



INLAND SPEED POST DOCUMENT



EW467299738IN

Delivery Office & Pincode: Dhurwa SO(834004)

Booking Office: MBC KOLKATA RMS (700001)

Counter No. 1, 23-05-2026 15:30:35

GSTNo. EkgRefID: 3326000523052685047

Charged Weight(gms):342 Phy.Wt(gms):342 Vol.Wt(gms):NA(L/NA

B/NA H/NA)

Mode of Payment: ONLINE Payment TransactionID: S415567071295 (I)

Sender	Receiver
BSIPL MEGA DVN Mobile No.9433313711 18 R N MJKHERJEE ROA	THE MEMBER SECRETARY Mobile No.1234567890 STATE LEVEL ENVIRONM
KOLKATA WEST BENGAL-700001	RANCHI JHARKHAND-834004

BALMUKUND**SPONGE AND IRONS PRIVATE LIMITED**

18, R. N. Mukherjee Road, (1st Fl.), Kolkata - 700 001

Ph.: 2248 6304 / 06, 4032 5000, Fax : 2213 7399

E-mail : balmukund.sponge@gmail.com

Website : www. balmukund.com

CIN : U27310WB1999PTC266185

(An ISO 9001 2015 & ISO 14001 : 2015 Company)

23rd May, 2026

The Member Secretary,
State Level Environment Impact Assessment Authority, Jharkhand,
Nursery Complex, Near Dhurwa Bus Stand,
Dhurwa,
Ranchi (Jharkhand)-834 004

Sub : Compliance Report to the EC vide Letter No. EC/SEIAA/2013-14/297/2014/1525
dt.25.08.2015 & No. EC/SEIAA/2021-22/2167/2021/67 dated 15.07.2021 granted
by SEIAA, Jharkhand, Ranchi.

After installation/modernization Installed Capacity of the plant : CCM-274068
TPA; Rolling Mill -246926 TPA and Induction Slag Grinders -47000 TPA segregating
3760 TPA of crushed Iron Metal & Iron Ore Beneficiation -94000 TPA(Throughput)

Sir,

We have been granted Environmental Clearance by SEIAA, Jharkhand, Ranchi vide their Letter No.EC/SEIAA/2021-22/2167/2021/67 dated 15.07.2021 & Letter No.EC/SEIAA/2013-14/297/2014/1525 dt.25.08.2015. After installation/modernization, Installed Capacity of the plant is CCM-274068 TPA; Rolling Mill -246926 TPA and Induction Slag Grinders -47000 TPA segregating 3760 TPA of crushed Iron Metal and Iron Ore Beneficiation Plant of 94000 TPA (Throughput). We append below our compliance report for 02nd six months of year 2025-26 (period from 01.10.2025 to 31.03.2026) :

I. Specific Conditions :

Sl. No.	Conditions	Compliance
i.	The Environmental Clearance is valid subject to the following condition, that this project has: a. Obtained all legal rights to operate at concerned place. b. Complied with all existing concerned laws of the land, and c. Complied with the decision of SEIAA on the issue of Environmental Clearance till date.	a. The required piece of land has been obtained with all legal rights to operate including NOC No. B-4109 dt.16.10.2015 & CTE No. JSFCB/HO/RNC/CTE-10840052/2021/209 dt.28.09.2021 and C.T.O. No. JSFCB/HO/RNC/CTO-22315086/2025/2059 dt.25.07.2025 valid till 30.06.2029 from JSFC Board. b. Complied. c. Complied.
ii.	No mining activity shall be undertaken in the forest land or deemed forest without obtaining requisite prior forestry clearance.	Land used for establishment of above referred manufacturing facilities does not include any mining activity. The said land also is not a forest land or deemed forest and need no forestry clearance.

Giridih Office : Near Vishwanath Nursing Home, Bajrang Chowk, Giridih, Jharkhand-815 301, Ph.: 06532-250597

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Works : Tundi Road, Majhiladih, Giridih, Jharkhand-815 302.

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EW467299707IN

Daily Office & Pincode: EKT SO(700107)

Booking Office: MBC KOLKATA RMS (700001)
 Counter No. 1, 23-(15-2026 15:30:35
 GSTNo. BkgRefID: 3326000523052685047
 Charged Weight(gms):342 Phy.Wt(gms):342 Vol.Wt(gms):NA(L.NA B.NA H.NA)
 Mode of Payment: ONLINE Payment TransactionID: S415567071295 ()

Sender	Receiver
BSIPL MEGA DVN Mobile No.9433313711 18 R N M.JKHERJEE ROA KOLKATA WEST BENGAL-700001	THE ZONAL OFFICER Mobile No.1234567890 CPCB KOLKATA WEST BENGAL-700107

Track on www.indiapost.gov.in OR Dial 18002668888 : IVR NO : 6987467299707
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Daily Office & Pincode: Dhanbad HO(826001)

Booking Office: MBC KOLKATA RMS (700001)
 Counter No. 1, 23-(15-2026 15:30:35
 GSTNo. BkgRefID: 3326000523052685047
 Charged Weight(gms):342 Phy.Wt(gms):342 Vol.Wt(gms):NA(L.NA B.NA H.NA)
 Mode of Payment: ONLINE Payment TransactionID: S415567071295 ()

Sender	Receiver
BSIPL MEGA DVN Mobile No.9433313711 18 R N M.JKHERJEE ROA KOLKATA WEST BENGAL-700001	THE REGIONAL OFFICE Mobile No.1234567890 JSPCB DHANBAD JHARKHAND-826001

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EW467299698IN

Daily Office & Pincode: Doranda HO(834002)

Booking Office: MBC KOLKATA RMS (700001)
 Counter No. 1, 23-(15-2026 15:30:35
 GSTNo. BkgRefID: 3326000523052685047
 Charged Weight(gms):342 Phy.Wt(gms):342 Vol.Wt(gms):NA(L.NA B.NA H.NA)
 Mode of Payment: ONLINE Payment TransactionID: S415567071295 ()

Sender	Receiver
BSIPL MEGA DVN Mobile No.9433313711 18 R N M.JKHERJEE ROA KOLKATA WEST BENGAL-700001	THE ZONAL OFFICER Mobile No.1234567890 INTEGRATED REGIONAL RANCHI JHARKHAND-834002

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INLAND SPEED POST DOCUMENT

EW467299715IN

Daily Office & Pincode: Dhanurwa SO(834004)

Booking Office: MBC KOLKATA RMS (700001)
 Counter No. 1, 23-(15-2026 15:30:35
 GSTNo. BkgRefID: 3326000523052685047
 Charged Weight(gms):342 Phy.Wt(gms):342 Vol.Wt(gms):NA(L.NA B.NA H.NA)
 Mode of Payment: ONLINE Payment TransactionID: S415567071295 ()

Sender	Receiver
BSIPL MEGA DVN Mobile No.9433313711 18 R N M.JKHERJEE ROA KOLKATA WEST BENGAL-700001	THE MEMBER SECRETARY Mobile No.1234567890 JSPCB TA DIVISION RANCHI JHARKHAND-834004

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Sl. No.	Conditions	Compliance
iii.	This Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India. Hon'ble High Court, Hon'ble NGT, MoEF & CC and any other Court of Law, if any, as may be applicable to this project.	We will comply the said outcome accordingly, if applicable to us.
iv.	Environmental clearance is subject to obtaining prior clearance from forestry and Wildlife angle including clearance from standing committee of NBWL, as may be applicable to this project (in case any fauna occurs/is found in the Project area or if the area involves forest land or Wildlife habitat i.e. core zone of elephant/tiger reserve etc. and or located within 10 Km of protected area).	The Environmental Clearance (EC) has been granted on submission of proof that the land used for establishment of above referred manufacturing facilities is not a part of Reserve Forest/Protected Forest/Deemed Forest or wildlife habitat. Clearance from standing committee of NBWL is not required in our case.
v.	The project proponent may apply simultaneously for forest and NBWL clearance in order to complete the formalities without undue delay which will process on their respective merits, no rights will vest in or accrue to them unless all clearance are obtained	The land used for establishment of above referred projects is not a part of Reserve Forest/Protected Forest/Deemed Forest as stated in compliance of condition No. iv above. Therefore, we do not require NBWL clearance.

II. Statutory Compliance

Sl. No.	Conditions	Compliance
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	The land used for establishment of above referred manufacturing facilities does not require diversification of forest land to non-forest purpose as the piece of land used is not a forest land.
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	The land used for establishment of above referred manufacturing facilities is not a part of Reserve Forest/Protected Forest/Deemed Forest. We do not require NBWL clearance.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest	There is no presence of schedule-1 species in the study area. Site-Specific Conservation Plan & Wildlife Management Plan is not required in our case.



Sl. No.	Conditions	Compliance
	Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).	
iv.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	We have obtained required NOC/Consent to Establish (No.B-4109 dt.16.10.2015 & CTE No. JSPCB/HO/RNC/CTE-10840052/2021/209 dt. 28.09.2021) and CTO No. JSPCB/HO/RNC/CTO-22315086/2025/2059 dt.25.07.2025 valid till 30.06.2029 from J.S.P.C.B., Ranchi under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974.
v.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	We have obtained NOC from CGWA No. NOC/IND/JH/2024/656/R-4/4 dt.24.03.2025 valid till 03.03.2028, a copy of the said NOC has been submitted with our EC Compliance for the period ending on 31 st March, 2025.
vi.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	We have obtained renewed authorization under the Hazardous and other Waste Management Rules, 2016 from SPCB bearing No JSPCB/HO/RNC/HWM-15424532/2024/29 dated 31.03.2024 valid till 08.09.2028. Copy of HW Authorization Certificate has been submitted along-with our 2 nd six months EC Compliance Report for the period ending on 31.03.2024.
vii.	It shall be mandatory for the project management to submit six (06) monthly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard copies and soft copies to the regulatory authority, concerned Regional Office of MoEF & CC at Ranchi and Jharkhand State Pollution Control Board (J.S.P.C.B.), Ranchi/SEIAA/ CPCB.	We are submitting hard copy of the six (06) monthly compliance report in respect of the prior environmental clearance for stipulated terms and conditions including existing manufacturing units to the regulatory authority, concerned Regional Office of MoEF & CC at Ranchi and Jharkhand State Pollution Control Board, Ranchi/SEIAA/ CPCB within prescribed time limit.
viii.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	We are submitting factual data only.



Sl. No.	Conditions	Compliance
ix.	The SEIAA, Jharkhand or any other competent Authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.	We agree and we will comply applicable modified conditions or further stipulated condition, if any, by the SEIAA, Jharkhand or any other competent authority.

III. Air Quality Monitoring and Preservation:

Sl. No.	Conditions	Compliance
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R. 277 (E) dated 31 st March, 2012 (applicable to IF/EAF) as amended from time to time, S.O.3305 (E) dated 7 th December, 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	We have already installed 24x7 days continuous emission monitoring system at process stacks of both existing and expanded/modernized units of our Mega Division to monitor stack emission and connected to SPCB and CPCB online servers for continuous monitoring of stacks' emissions. Calibration of stack emission monitoring equipment are done regularly and sent to concerned authority.
ii.	The project proponent shall monitor fugitive emission in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Quarterly monitoring of fugitive emission in the premises is being done by NABL laboratory. Quarterly fugitive emission monitoring report for compliance operational period is enclosed.
iii.	The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NOx in reference to SO ₂ 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 (case to case basis – Small plants : Manual; Large plants : Continuous).	We have installed Continuous online monitoring system at our Mega Division premises to monitor PM. PM ₁₀ , PM _{2.5} , SO ₂ and NOx monitoring is also being done manually at four locations within the premises by NABL laboratory on quarterly basis as directed. Ambient Air Quality Monitoring Reports for compliance operational period are enclosed.



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Sl. No.	Conditions	Compliance
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF & CC, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	We are submitting quarterly results of manual stack monitoring and air quality/fugitive emissions monitoring to Regional Office of MoEF & CC, Zonal Office of CPCB and Regional Office of SPCB along with six- monthly compliance report. Our stacks and AAQ monitoring systems are connected online to JSPCB & CPCB servers for continuous monitoring of stacks emission and AAQ.
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	We have provided dust catcher in our Mega Division plant premises. APC system comprising of bag filters, water sprinklers (fixed and manual), dry fog systems for all the dust generating points including fugitive dust from all vulnerable sources have already been provided.
vi.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	We have provided leakage detection and mechanized bag cleaning facilities for better maintenance of bags filters.
vii.	Sufficient numbers of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	We have provided sufficient numbers of mobile and stationary cleaning facilities to clean plant roads, shop floors, roofs, regularly.
viii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines, and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	We are reusing Iron ore fines and coke fines, lime fines collected in the pollution control devices in the manufacturing process.
ix.	The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	We are using leak proof trucks/dumpers covered tightly with tarpaulin sheets for carrying raw materials.
x.	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	We have provided covered sheds for each raw material separately within premises.
xi.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	We have provided fume extraction system with acoustic hoods at all induction furnaces.
xii.	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Proper ventilation system for adequate air changes has been provided to the plant sheds. No tunnel, oil cellars exist within the plant premises.

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Works : Tundi Road, Majhiladih, Giridih, Jharkhand-815 302.

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**IV. Water Quality Monitoring and Preservation :**

Sl. No.	Conditions	Compliance
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R. 277 (E) dated 31 st March, 2012 (applicable to IF/EAF) as amended from time to time, S.O. 3305 (E) dated 7 th December, 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories (case to case basis small plants: Manual; Large plants: Continuous).	There is no industrial effluent discharge from our Mega Division plant. Water is used only for cooling of hot products and domestic purposes. Cooling water is kept in closed circuit and is reused again and again. Domestic waste water is collected in settling tank followed by soak-pit and reused in greenbelt development and dust suppression within the premises. Water used for washing of low grade iron ore is stored in slime dam and reused again and again. During this compliance period low grade iron ore washing unit is not in operation. Also we have not any thermal power plant within premises.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent area through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Arrangements have been made to monitor ground water quality regularly twice a year (pre and post monsoon) at piezometers/sampling wells in the plant and adjacent area through M/s. Scientific Research Laboratory, Ranchi. Pre/Post-monsoon ground water quality reports dt.19.05.2025 & 25.10.2025 have been submitted with our EC Compliance for September, 2025.
iii.	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF & CC, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	There is no industrial effluent from our units under Mega Division. Copy of ground water quality reports dt.19.05.2025 & dt. 25.10.2025 (Pre & Post monsoon) have been submitted with our EC Compliance for September, 2025.
iv.	Adhere to 'Zero Liquid Discharge'.	We are strictly adhering to 'Zero Liquid Discharge'.
v.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	We collect domestic wastewater in a collecting tank of adequate size followed by soak-pit. Waste water so obtained is reused for dust suppression and greenbelt development. Quarterly Monitoring Reports of domestic waste water for compliance operational period are enclosed.



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Sl. No.	Conditions	Compliance
vi.	The project proponent shall provide the ETP for effluents of rolling mills to the standards prescribed in G.S.R. 277 (E) dated 31 st March, 2012 (applicable to IF/EAF) as amended from time to time.	No effluent is generated in the rolling mill. Water is used only for cooling of hot TMT Bar/Rod, is kept in enclosed circuit and recycled/reused again and again. Only make-up water is added to this enclosed circuit when required.
vii.	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.	Garland drains and collection pits of adequate size are provided and upgraded to arrest the run-off rain water in the event of heavy rains to prevent the water pollution due to surface run-off. Photograph of collection pond has been submitted earlier.
viii.	The project proponent shall practice rainwater harvesting to maximum possible extent.	We are practicing rainwater harvesting to maximum possible extent. Rain/Roof Top Rain Water Harvesting with ground water recharge pit(s) have also been provided. Photographs of the RTRWH structures have been submitted earlier.
ix.	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use by recycling treated water.	To minimize water consumption, we have integrated our CCM and Rolling Mill. Hot MS Billet is being directly injected to Rolling Mill. Arrangement for reuse of cooling water of hot TMT Bars has been made by keeping cooling water in closed circuit. Domestic waste water, treating it by collecting/settling tank followed by soak-pit, is reused in greenbelt development & dust suppression.

V. Noise Monitoring and Prevention:

Sl. No.	Conditions	Compliance
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as part of six-monthly compliance report.	Quarterly NLM reports both for existing and expanded/modernized plant for compliance operational period are being submitted as part of this six-monthly compliance reports to the authorities concerned.
ii.	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.	We have provided noise resisting arrangements in both the existing and expanded/modernized plant to control Ambient Noise Levels to conform the standards prescribed under E(P)A Rules, 1986.

VI. Energy Conservation measures :

Sl. No.	Conditions	Compliance
i.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.	There is no re-heating furnace in our Rolling Mill. It is completely integrated with our M.S. Billet plant.

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Sl. No.	Conditions	Compliance
ii.	Practice hot charging of slabs and billets/blooms as far as possible.	Only continuous hot charging of M.S. Billets with surplus heat to Rolling Mills as described in manufacturing process of TMT Bar/Rod has been adopted.
iii.	Ensure installation of regenerative type burners on all reheating furnaces.	No reheating furnace has been installed in rolling mill.
iv.	Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	We are using LED lights at all common areas, street lights, parking area for minimal electric power consumption and to finish the provision of solar power generation and use.
v.	The project proponents shall provide LED lights in their offices and residential areas.	We have provided LED lights in our offices, canteens. There is no residential accommodation in our factory premises.

VII. Waste Management :

Sl. No.	Conditions	Compliance
i.	Used refractories shall be recycled as far as possible.	Refractories used in induction furnaces gets completely burnt. However, unburnt refractories, if any, is recycled as far as possible.
ii.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused in melting furnaces.	Oily scum and metallic sludge recovered from rolling mills cooling bed is dried, briquetted and reused in melting furnaces.
iii.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	There is no fly ash generation in our units.
iv.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other Waste (Management & Transboundary Movement Rules, 2016.	Only burnt mobil oil is generated in course of running of Diesel Generator which is kept safely in metal drums and reused in mobilization of machineries for their smooth operation within the plant premises. No out of premises or trans-boundary disposal of the burnt mobil oil is done.
v.	Kitchen waste shall be composted or converted to biogas for further use (<i>to be decided on case to case basis depending on type and size of plant.</i>)	Domestic waste of canteen is composted and reused in development of greenbelt.

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**VIII. Green Belt :**

Sl. No.	Conditions	Compliance
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CFCB guidelines. The greenbelt shall inter-alia cover the entire periphery of the plant.	We have developed greenbelt in an area of 33% of the plant area with native tree. We are enhancing density and biodiversity of the greenbelt regularly.
ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	We do not burn fossil fuels for electricity or heat. No GHG is generated. Transport vehicles with PUC only are permitted to enter into the premises.

IX. Public Hearing and Human Health Issues :

Sl. No.	Conditions	Compliance
i.	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	We have implemented emergency plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan as per Factory Act.
ii.	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 the norms of Factory Act.	Personal Protection Equipment (PPEs) like heat resisting dress, goggles, gloves, nose masks as per the norms of Factory Act have been provided to the workmen working in high temperature work zone. During operation distance of at least 4 mtr from the molten metal and delivery spout is always maintained by the workers working near induction furnaces. Exhaust fans/ventilation in the working shed are provided to minimize and maintain heat stress in the working zone.
iii.	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 to be removed after the completion of the project.	Construction labours had been provided temporary housing with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile ST, safe drinking water, medical health care, creche etc. within the premises which were removed after the completion of installation work of the project. Only regular permanent workers are provided quarters/ house with all required facilities out of factory premises.

**X. Corporate Environment Responsibility :**

Sl. No.	Conditions	Compliance
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III dated 1 st May, 2018 as applicable, regarding Corporate Environment Responsibility.	We are complying with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III dated 1 st May, 2018 as applicable. We attach hereto detail of expenses incurred towards CSR and CER activities keeping in view of the issues of the Ministry's said OM.
ii.	The Company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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.	We are following Environment Management policy as stipulated in EIA submitted for grant of Environmental Clearances.
iii.	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 report to the head of the organization.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel under the control of senior Executive, who directly report to the head of the organization as stated in the EMPs of final EIAs submitted for grant of Environmental Clearances. is already constituted.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year-wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.	We are implementing EMP and environmental conditions. The year-wise funds earmarked Rs.17.00 Lac towards recurring expenditure for environmental protection measures, has been kept in separate account and is not being diverted for any other purpose. Annexure-1 showing expenses incurred during 02 nd six months of FY:2025-26 is enclosed herewith.



Sl. No.	Conditions	Compliance
v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Environment Audit Report for FY:2025-26 is being prepared for the compliance period ending on 31 st March, 2026 to be carried out by third party.
vi.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plant shall be implemented.	We implemented the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for existing units (Annexure-2 enclosed).
vii.	Occupational health surveillance of the worker shall be done on a regular basis and records maintained as per Factories Act.	Occupational health surveillance of the workers on a regular basis as per Factory Act is being continued for workers working in Mega Div. and records kept in the factory office.

X. Miscellaneous :

Sl. No.	Conditions	Compliance
i.	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.	We have already advertised the grant of Environmental Clearances in two local newspapers Hindustan Times dated 29.07.2021(English) and Dainik Bhasker dated 30.07.2021(Hindi) to make the public acknowledged in this regard. Copy of newspaper cuttings submitted earlier. The EC granted has been uploaded on the Company's website.
ii.	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.	We have submitted copy of granted Environmental Clearance to DC (Admn.), Giridih; Zila Parishad, Giridih; G.M., DIC, Giridih; Mukhiya, Gadisrirampur Panchyat; Giridih. Copies of receiving submitted.
iii.	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.	We are uploading compliance to the conditions of Environmental Clearances regularly on our website.



Sl. No.	Conditions	Compliance
iv.	The project proponent shall monitor the criteria pollutants level namely PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	We monitor the criteria pollutants level namely PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) and display the same at main gate of the premise for disclosure to the public. Monitoring reports conducted by NABL laboratory are put on the web site of the Company with six monthly compliance report regularly.
v.	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.	We are submitting our six-monthly compliance report regularly. It is also put on website of the Company.
vi.	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.	The environmental statement for financial year ending 31 st March, 2026 has been submitted to the State Pollution Control Board on 08.05.2026 by Speed Post. Copy enclosed herewith for your ready reference.
vii.	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.	Already complied
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	We strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board and the State Government. We have obtained CTO valid till 30.06.2029. Copy of the same has been submitted along-with EC Compliance for the 1 st half of the FY 2025-26.
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	We abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during our presentation to the Expert Appraisal Committee. Compliance to the commitments made during Public Hearing has been submitted marked as Annexure-3 along-with EC Compliance Report for 1 st six month ending on 30.09.2024.

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Ph.: 2248 6304 / 06, 4032 5000, Fax : 2213 7399

E-mail : balmukund.sponge@gmail.com

Website : www.balmukund.com

CIN : U27310WB1999PTC266185

(An ISO 9001 : 2015 & ISO 14001 : 2015 Company)

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Sl. No.	Conditions	Compliance
x.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF & CC).	We will not expand or modify our plant further without prior approval of the competent authority.
xi.	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	We have submitted factual data only.
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	We have complied all the conditions of existing environmental clearances to the best of satisfaction of concerned authorities.
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	We will implement properly the additional conditions, if any, found necessary and stipulated in future, in a time bound manner.
xiv.	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.	We will extend full cooperation to the officer(s) of the Regional Office by furnishing requisite data/information/monitoring reports.
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	We are complying provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
xvi.	Any appeal against this Environmental Clearance 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.	No appeal filed against this Environmental Clearance or any previous Environmental Clearance.

Giridih Office : Near Vishwanath Nursing Home, Bajrang Chowk, Giridih, Jharkhand-815 301, Ph.: 06532-250597**Patna Office** : 702-Luv Kush Tower, Exhibition Road, Patna-800 001, Ph.: 0612-2322388**Works** : Tundi Road, Majhiladih, Giridih, Jharkhand-815 302.

All Disputes are Subject to Patna (Bihar) Jurisdiction only

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XI. Other Conditions :

Sl. No.	Conditions	Compliance
i.	The Authorities reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of the Authority or for that matter for any other administrative reason.	We have implemented the directions given vide above conditions properly and agree to implement condition, if any, applicable to us is added/modified by the concerned authorities. We are complying all the conditions of granted Environmental Clearances.
ii.	In view of MoEF & CC O.M.No.22-27/2015-IA-III dated 12.04.2016 the Environmental Clearance accorded shall be valid for a period of Seven (07) years. The PP shall not increase production rate and make modifications in process during the validity of Environmental Clearance.	We will not increase production rate and also will not make modifications in process further during validity of the Environmental Clearances without prior approval of the competent authority.
iii.	In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions, if required.	We did not make any deviation or alteration in the project from those submitted to SEIAA, Jharkhand for environmental clearance. We will submit afresh proposal for deviation or alteration required in the existing plant, if any, in future.

We have complied all the applicable conditions of the Environmental Clearances. We are also complying all the applicable EC Conditions which are to be complied periodically. Further, we assure that the direction in this regard, if any, is received, we will promptly take action to comply.

Thanking you,
Yours faithfully,

For Balmukund Sponge & Irons Pvt. Ltd.

Santosh Kumar
Authorized Signatory



Encl: As above.

CC: The Zonal Officer, Integrated Regional Office of Ministry of Environment, Forest & Climate Change, Govt. of India, Eastern Central Zone, 2nd Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi (Jharkhand)-834002

CC: The Zonal Office, CPCB, Southern Conclave, Block 502, 5th and 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700107

CC: The Member Secretary, JSFCB, T.A. Division Bldg. (Ground Floor), HEC Complex, Ranchi (Jharkhand)-834004

CC: The Regional Office, JSFCB, H.I.G.-1, Sardar Patel Nagar, Hrapur, Dhanbad (Jharkhand) - 826001.

-All for information and record.

Giridih Office : Near Vishwanath Nursing Home, Bajrang Chowk, Giridih, Jharkhand-815 301, Ph.: 06532-250597

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Annexure-1

Year	Recurring Expenditure for Environment Protection	Amount Rs. In Lakh
2025-26 (October, 2025 to March, 2026)	Environmental Monitoring	1.552
	Running Cost of Pollution Control Equipments	5.28
	Greenbelt Development	2.34
Total during 02 nd half of the year 2025-26 :		9.172

For Balmukund Sponge & Irons Pvt. Ltd.
(Mega Div.)



Santosh Kumar
Authorized Signatory

**Annexure-2**

Recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants are implemented and submit point-wise compliance as follow:

CREP conditions & compliance :

1. **Coke Oven Plant** : We do not have any coke oven plant in the premises.

Steel Melting Shop:

2. **Fugitive Emission** : To minimize fugitive emission we have concreted shop floor, floor of RM & Finished goods shed, installed fixed type water sprinklers and bag filters in sufficient wherever required. Besides, manual water sprinklers (water Tankers) are also sprinkling water on the floor of the work-shop and approach roads of transportation. Roads are kept clean and wet. Dry Fog Systems wherever required have been installed and are operated. Fugitive emission is kept within prescribed limit.
3. **Solid Waste/Hazardous Waste Management:** 100% Solid waste in form of induction slag is crushed, iron content is segregated from slag for reuse in the induction furnaces as raw material of M.S. Billet and remaining slag-dust is given to brick manufacturers to manufacture bricks and nearby villagers to fill their low land on demand at free of cost. Runner & Risers, End cutting and misroll, mill scale of TMT Bar are reused/melted again in induction furnaces as raw material of M.S. Billet. Refractories used in induction furnaces gets burnt and is not reusable and is used for leveling low land within premises. However, if any, refractories is recovered and is reusable, we reuse the same as far as possible. Oily scum and metallic sludge recovered from rolling mills cooling bed tank is dried, briquetted and reused in melting furnaces. Iron fines recovered from Iron Ore is beneficiated by hot process of iron ore beneficiation. Solid waste (soil) received from slime dam of Iron Ore Beneficiation Plant (Wet Process) is given to brick manufacturers free of cost for their use. During this compliance operational period, our Iron Ore Beneficiation (Wet Process) is inoperative. Iron dust collected from Pollution Control Equipment is also reused as raw material in the manufacturing process of M.S. Billet. Domestic waste is composted and reused in development of greenbelt. Thus 100% solid waste is being disposed off by re-using in eco-friendly manner. Need not to study the possibility of slag transportation back to abandoned mines to fill the cavities. We do not generate tar sludge/ETP sludge. We generate, store, and dispose hazardous waste namely burnt mobil oil generated at DG Set Unit for which we have obtained 'Authorization Certificate' from Jharkhand State Pollution Control Board, Ranchi. Hazardous waste in form of burnt mobil oil received from DG Set is reused in mobilization of machineries for their smooth operation within the premises. Sufficient fixed type water sprinklers and manual water sprinklers are available which efficiently suppress the dust within the factory premises and on

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approach road. Fume Extraction System along-with acoustic hoods in our Induction Furnace Unit is provided for suction of PM, fume and dispersal into the atmosphere after filtration within prescribed limit.

4. **Water Conservation/ Water Pollution** : Rain water is being harvested into an adequate size water pond to meet out the water requirement in lean season. Roof Top rain water is being used for ground water recharge to maintain the ground water table. Only make-up water is abstracted from ground. Water consumption is in cooling of hot product (TMT Bar/Rod) during operational period only. Cooling water is recycled and kept in closed circuit. Domestic waste water is treated by septic tank followed by soak-pit and being reused for dust suppression and green belt development. Ground water consumption is less than the prescribed standard for the steel plant. No water pollution exists in our plant. We strictly maintain 'Zero Discharge'. Rain Water Harvesting system including Roof Top Rain Water Harvesting system and ground water recharge system have been implemented.
5. **Installation of Continuous Stack Monitoring System**: We have provided Fume Extraction System with continuous online stack monitoring system for regular monitoring of dust emission(PM), SO₂ analyzer and PM₁₀(AAQ) with remote calibration facility with 24 x 7 days connectivity to CPCB and JSPCB servers. Continuous data is transmitted to JSPCB and CPCB servers. Manual stack emission monitoring is also being done by NABL accredited laboratory. Test Reports for compliance period of the year 2025-26 (December, 2025 & March, 2026) for stack emission and AAQ monitoring are enclosed with the compliance report. Results are within the prescribed limit.
6. **Housekeeping**: Good Housekeeping is being maintained by placing things appropriately.
7. **To operate existing Pollution Control Equipment efficiently and to keep proper record of run hours, failure time and efficiently with immediate effect** : Fume Extraction System is installed, operate and maintain proper records. Manual monitoring reports of 03rd and 04th quarters of fy:2025-26 are being submitted to CPCB and SPCB along-with EC Compliance Report.

For Balmukund Sponge & Irons Pvt. Ltd.
(Mega Division)



Santosh Kumar
Authorized Signatory

Corporate Social Responsibility
Balmukund Sponge & Irons Pvt. Ltd., Giridih
(Mega Division)

Detail of CSR Expenses incurred during 01.10.2025 to 31.03.2026

Ledger :

Date	CSR Work done	Amount incurred-Rs.
	CSR Expenses incurred till 30.09.2025, detail submitted earlier(A)	4,88,45,893.72
01.10.2025	Amount paid to M/s. Vikas Textiles Industries towards cost of 2 pcs of blankets purchased vide their Inv.No.VTI/25-26/1148 dt.08.08.2025 and given to poor people near factory at Giridih being a social responsibility.	431.00
01.10.2025	Amount paid to All India Marwari Yuva Manch for organizing free medical camp, free blood donation camp as local CSR expenditure.	1,35,000.00
10.10.2025	Amount paid to M/s. National Garments Associates, Giridih towards purchase of Polo T-Shirt with digital logo media T-Shirt Fluorescent Jacket – 150 Nos. vide their Inv.No.NGA/GST/203 dt.09.10.2025 for DC Office, Giridih.	22,050.00
22.10.2025	Amount paid to Giridih Pachamba Shree Gopal Goshala vide Receipt No.21355 dt.22.10.2025 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,25,000.00
14.10.2025	Amount paid to M/s. Shri Godham Mahatirtha Pathmeda gaushala vide Cheque No.128662 dt.13.10.2025 & their Receipt No.469017 dt.14.10.2025 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,01,000.00
24.10.2025	Amount paid to Babita Kumari for plant purchase 1284 Nos. @Rs.30/- per plant vide her Inv.No.83 dt.24.10.2025 for plantation at Birni and rajdhanwar blocks in government school campus being a social responsibility.	38,550.00
29.10.2025	Amount paid to Sri Hanuman Prasad Poddar for maintenance of School of Blind Children vide Receipt of date being a social responsibility.	75,000.00
31.10.2025	Amount paid to Sri Binod Saw-Contractor for support service for plantation at government schools under Birni block-35 schools and Dhanwar block-39 schools total 74 schools -1253 plants @Rs.490/- vide his Inv.No.BS/03/25-26 dt.30.10.2025, being a social responsibility.	7,24,484.00
15.11.2025	Amount paid to M/s. Balajee Trading towards purchase of Parboiled rice vide their Inv.No.BOS2025260003 dt.03.11.2025 and distributed amongst poor villagers at villges Chatro, Gangapur and Gadisirampur being a social responsibility.	12,801.00
15.11.2025	Amount paid to M/s. Shri Godham Mahatirtha Pathmeda gaushala vide Cheque No.128672 dt.12.11.2025 & their Receipt No.469022 dt.13.11.2025 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,01,000.00
19.11.2025	Amount paid to M/s. Vikas Textiles Industries towards cost of 5000 pcs of blankets purchased vide their Inv.No.VTI/25-26/3149 dt.05.11.2025 plus transportation paid to Tyagi Tampoo Service and distributed amongst villagers near factory at Giridih being a social responsibility.	10,65,750.00
20.11.2028	Amount paid to Sri Hanuman Prasad Poddar for maintenance of School of Blind Children vide Receipt of date being a social responsibility.	75,000.00
21.11.2025	Amount paid to Giridih Pachamba Shree Gopal Goshala vide Receipt No.21389 dt.21.11.2025 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,25,000.00

Date	CSR Work done	Amount incurred-Rs.
21.11.2025	Amount paid to Giridih Pachamba Shree Gopal Goshala vide Receipt No.21390 dt.21.11.2025 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,25,000.00
25.11.2025	Amount paid to Seth Dindayal Jalan Seva Trust vide Receipt of date for CSR expenses in nearby villagers being a social responsibility.	15,00,000.00
30.11.2025	Amount paid to M/s. Vikas Textiles Industries towards cost of 600 pcs of blankets purchased vide their Inv.No.VTI/25-26/3431 dt.17.11.2025 plus transportation paid to Jharkhand Bengal Freight Carrier Pvt. Ltd. (C.No.05400033063 dt.17.11.2025) and distributed amongst villagers near factory at Giridih being a social responsibility.	1,31,513.00
30.11.2025	Amount paid to M/s. Vikas Textiles Industries towards cost of 600 pcs of blankets purchased vide their Inv.No.VTI/25-26/3432 dt.17.11.2025 plus transportation paid to Jharkhand Bengal Freight Carrier Pvt. Ltd. (C.No.05400033063 dt.18.11.2025) and distributed amongst villagers near factory at Giridih being a social responsibility.	1,31,513.00
30.11.2025	Amount paid to M/s. Vikas Textiles Industries towards cost of 600 pcs of blankets purchased vide their Inv.No.VTI/25-26/3433 dt.17.11.2025 plus transportation paid to Jharkhand Bengal Freight Carrier Pvt. Ltd. (C.No.05400033064 dt.18.11.2025) and distributed amongst villagers near factory at Giridih being a social responsibility.	1,31,513.00
30.11.2025	Amount paid to M/s. Vikas Textiles Industries towards cost of 600 pcs of blankets purchased vide their Inv.No.VTI/25-26/3429 dt.17.11.2025 plus transportation paid to Jharkhand Bengal Freight Carrier Pvt. Ltd. (C.No.05400033055 dt.17.11.2025) and distributed amongst villagers near factory at Giridih being a social responsibility.	1,31,513.00
30.11.2025	Amount paid to M/s. Vikas Textiles Industries towards cost of 600 pcs of blankets purchased vide their Inv.No.VTI/25-26/3430 dt.17.11.2025 plus transportation paid to Jharkhand Bengal Freight Carrier Pvt. Ltd. (C.No.05400033056 dt.17.11.2025) and distributed amongst villagers near factory at Giridih being a social responsibility.	1,31,513.00
01.12.2025	Amount paid to M/s. Shri Godham Mahatirtha Pathmeda gaushala vide Cheque No.128675 dt.10.12.2025 & their Receipt No.469025 dt.10.12.2025 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,01,000.00
17.12.2025	Amount paid to M/s. Balajee Trading towards purchase of Parboiled rice vide their Inv.No.BOS2025260004 dt.03.12.2025 and distributed amongst poor villagers at villges Chatro, Gangapur and Gadisrirampur being a social responsibility.	12,801.00
23.12.2025	Amount paid to Kala Sangam, Giridih vide Cheque No.010521 and their Receipt No.108 both of date for arranging cultural program for villagers being a social responsibility.	15,000.00
30.12.2025	Amount paid to M/s. Shiv Textiles towards cost of 125 pcs of Sparsh blankets purchased vide their Inv.No.ST-GST-29563 dt.30.12.2025 and distributed amongst staffs of Mufassil Thana, Giidih being a social responsibility.	35,051.00
06.08.2025	Amount paid to Sri Hanuman Prasad Poddar for maintenance of School of Blind Children vide Receipt No.4300 of date being a social responsibility.	75,000.00

Date	CSR Work done	Amount incurred-Rs.
05.01.2026	Amount paid to M/s. Balajee Trading towards purchase of Parboiled rice vide their Inv.No.BOS2025260005 dt.03.01.2026 and distributed amongst poor villagers at villges Chatro, Gangapur and Gadisrirampur being a social responsibility.	12,800.00
06.01.2026	Amount paid to Giridih Pachamba Shree Gopal Goshala vide Receipt No.21464 dt.06.01.2026 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,25,000.00
15.01.2026	Amount paid to Seth Dindayal Jalan Seva Trust vide Receipt of date for CSR expenses in nearby villagers being a social responsibility.	15,00,000.00
20.01.2026	Amount paid to M/s. Shri Godham Mahatirtha Pathmeda gaushala vide Cheque No.000847 dt.15.01.2026 and their Receipt No.469029 dt.19.01.2026 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,01,000.00
29.01.2026	Amount paid to Giridih Pachamba Shree Gopal Goshala vide Receipt No.21491 dt.29.01.2026 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,25,000.00
30.01.2026	Amount paid to M/s. Imran Engineering Work Shop against Inv.No.44 dt.24.01.2026 for enovation work of Ambedkar Chowk, Giridih being cost of 06 pcs. Of Grill.	54,789.00
30.01.2026	Amount paid to M/s. Shree Nath marble against Inv.No. SNM/25-26/2638 dt.17.01.2026 for enovation work of Ambedkar Chowk, Giridih being cost of 866 Slab of granite.	1,09,047.00
05.02.2026	Amount paid to Sri Hanuman Prasad Poddar (Receipt No.4434 dt.05.02.2026) for maintenance of School of Blind Children vide Receipt of date being a social responsibility.	75,000.00
06.02.2026	Amount paid to Sarvajanik Maa Durga Shakti Mandir, Sihodih for its renovation and reconstruction vide Cheque No.010534 dt.06.02.2026.	1,00,000.00
11.02.2026	Amount paid to M/s. Balajee Trading towards purchase of Parboiled rice vide their Inv.No.BOS2025260006 dt.02.02.2026 and distributed amongst poor villagers at villges Chatro, Gangapur and Gadisrirampur being a social responsibility.	12,800.00
11.02.2026	Amount paid to M/s. Shri Godham Mahatirtha Pathmeda gaushala vide Cheque No.000849 dt.10.02.2026 and their Receipt No.469030 dt.10.02.2026 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,01,000.00
12.02.2026	Amount paid to Sri Binod Saw-Contractor for Dr. B.R. Ambedkar statue installation work at Court road, Giridih vide his Inv.No.BS/07/25-26 dt.12.02.2026, being a social responsibility.	3,58,269.24
27.02.2026	Amount paid to Sri Hanuman Prasad Poddar (Receipt No.4498 dt.27.02.2026) for maintenance of School of Blind Children vide Receipt of date being a social responsibility.	75,000.00
28.02.2026	Amount paid to Giridih Pachamba Shree Gopal Goshala vide Receipt No.22658 dt.28.02.2026 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,25,000.00
11.03.2026	Amount paid to M/s. Balajee Trading towards purchase of Parboiled rice vide their Inv.No.BOS2025260007 dt.03.03.2026 and distributed amongst poor villagers at villges Chatro, Gangapur and Gadisrirampur being a social responsibility.	12,800.00

Date	CSR Work done	Amount incurred-Rs.
17.03.2026	Amount paid to M/s: Shri Godham Mahatirtha Pathmeda gaushala vide Cheque No.000849 dt.10.02.2026 and their Receipt No.469030 dt.10.02.2026 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	1,01,000.00
23.03.2026	Amount paid to Sri Hanuman Prasad Poddar (Receipt No.4613 dt.23.03.2026) for maintenance of School of Blind Children vide Receipt of date being a social responsibility.	75,000.00
25.03.2026	Amount paid to Giridih Pachamba Shree Gopal Goshala vide Receipt No.22808 dt.25.03.2026 for better services to cattles including food, cleaning, arrangement of light at goshala being a social responsibility.	125,000.00
	Expenses incurred during 02nd half of FY- 2025-26 (B):	83,10,988.24
	Total expenditure on CSR till 31.03.2026(A+B):	5,71,56,881.96

For Balmukund Sponge & Irons Pvt. Ltd.
(Mega Division)



Santosh Kumar
Authorized Signatory



BALMUKUND

SPONGE & IRON PVT. LTD.

18, R. N. Mukherjee Road, (1st Fl.), Kolkata - 700 001

Ph.: 2248 6304 / 06, 4032 5000, Fax : 2213 7399

E-mail : balmukund.sponge@gmail.com

Website : www.balmukund.com

CIN : U27310WB1999PTC266185

(An ISO 9001 : 2008 & ISO 14001 : 2004 Company)

7th May, 2026

The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Division Building,
H.E.C. Complex, Dhurwa,
Ranchi (Jharkhand)-834004

Sub: Submission of Environmental Statement for the Financial Year : 2025-26

Sir,

We are submitting hereto attached Environmental Statement (Form V) for the Financial Year 2025-26 for your needful.

Thanking you,

Yours faithfully,

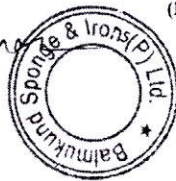
For Balmukund Sponge & Irons Pvt. Ltd.

(Mega Div.)

Santosh Kumar

Manager

Encl: As above.



INLAND SPEED POST DOCUMENT



EW447925645IN

Daly Office & Pincode Dhurwa SC(834004)	
Booking Office: MEC KOLKATA RMS (700001)	
Counter No. 1, 08-15-2026 16:19:26	
GSTNo. EkgRefID: 3326000508052697485	
Charged Weight(gms): 34 Phy Wt(gms): 34 Vol.Wt(gms) NA(L,NA B,NA H NA)	
Amount Paid: 55.00(Base Tariff:Rs.47 Tax:Rs.8) (CGST:4.00 SGST:4.00)	
Mode of Payment: ONLINE Payment Transaction ID:	
Sender	Receiver
B SIRON MEGA DIVISION Mobile No.1234567890 KOLKATA	MEMBER SECRETARY Mobile No.1234567890 RANCHI
KOLKATA WEST BENGAL-700001	RANCHI JHARKHAND-834004

Track on www.indiapost.gov.in OR Dial 18002568865, IVR NO: 6387447925645

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PATNA OFFICE : 603, SHANTIKUNJ APARTMENT, CHHAJUL

8/488

WORKS : CHATRO, TUNDI ROAD, P.O.: GADISRIRAMPUR, GIRIDIH-815 302, PHONE : (06532) 250597

All Disputes are Subject to Patna (Bihar) Jurisdiction only

ENVIRONMENTAL STATEMENT

(2025-26)

BALMUKUND SPONGE & IRONS PVT. LTD.

MEGA DIVISION

CHATRO

TUNDI ROAD

GIRIDIH

FORM V

(See Rule 14)

***Environmental Statement For the
Financial Year Ending 31st March, 2026***

Environment Statement for the Financial Year ending the 31st March, 2026
PART - A

- 1) Name & Address of the owner/occupier of the industry operation or process : **Pradip Kumar Sahewal**
Balmukund Sponge & Irons Pvt. Ltd. (Mega Divn.)
Chatro, Tundi Road, Giridih.
- 2) Industry category-Primary, Secondary (STC Code): Primary
- 3) Production Capacity – Unit : TMT Rod - 746 MT per day
M.S. Billet - 828 MT per day
Indn.Furn.Slag Grinding- 47000 TPA
Pig Iron - 189 MT per day
Iron Ore (Beneficiated)- 94000 TPA
- 4) Year of Establishment : TMT Rod - 22.12.2021
M.S. Billet - 22.12.2021
Indn.Furn.Slag Grinding - 01.01.2022
Pig Iron - 15.04.2025
Iron Ore (Beneficiated)- 20.01.2016
- 5) Date of the last environmental statement submitted : 26.04.2025

PART - B

- 6) Water & Raw Material Consumption:
Water Consumption cub.m/day :
Process : 0.000 KL (Washing of Low Grade Iron Ore)
Cooling : 35.000 KL per day
Domestic : 12.000 KL per day

Name of Products	Process water consumption per unit of product out-put	
	During the previous Financial Year	During the current Financial Year
1. M.S. Billet	-	-
2. M.S./TMT Rod	-	-
3. Pig Iron	-	-
4. Iron Ore (Beneficiated)	-	-

- 7) Raw Material Consumption

Name of Raw Material	Name of Products	Raw material consumption per unit of product out-put	
		During the previous Financial Year(MT)	During the current Financial Year(MT)
1. Sponge Iron	M.S. Billet	0.869	0.994
2. Scrap of Iron & Steel		0.020	0.032
3. Pig Iron		0.233	0.196
4. Silico Manganese		0.014	0.016
5. Slag Metal		0.000	0.018
1. M.S. Ingot/Billet	TMT Rod	1.024	1.025
1. Iron Ore	Pig Iron	1.449	0.228
2. Hard Coke		0.770	0.866
3. Dolomite/Quartz		0.190	0.091
4. Lime Stone		0.120	0.006
5. Iron Pellet		0.261	0.116
6. Iron Ore Fines		0.080	0.019
7. Beneficiated Iron Ore		0.000	1.459

Raw Material Consumption

Name of Raw Material	Name of Products	Raw material consumption per unit of product out-put	
		During the previous Financial Year(MT)	During the current Financial Year(MT)
1. Low Grade Iron Ore	Beneficiated	1.034	0.971
2. Coke Fines	Iron Ore	0.000	0.087
3. Lime Powder		0.000	0.206
4. Dolo Fines		0.000	0.055
5. Induction Slag	Iron Metal	12.508	10.365

PART – C

Pollution discharge to environment/out-put (Parameter as specified in the consent issued)

Pollutants	Quantity of Pollution Generated (Mass/day)	Conc. Of pollutants In discharge (Mass/ Volume)	Percentage of form prescribed with reason
a) Water	: No water discharge out of premises. So no water pollution.		
b) Air	: Test reports submitted (found under limit of prescribed parameters).		

PART – D

Hazardous Waste

(As specified Hazardous Waste (Management and Handling Rule, 1989)

Hazardous Waste	Total Quantity (Kg/Ltr)	
	During the previous Financial year(Liter)	During the Current Financial Year(Liter)
From Process	-	-
From pollution control facilities(sold)	-	-
Other (Burnt Mobil Oil)	445	427

PART – E

Solid Waste

Solid Waste	Total Quantity (Kg)	
	During the previous Financial year	During the Current Financial Year
a) From Process		
i) From Induction unit – Slag	22202460*	45215200*
ii) From MBF unit – Slag	9042940**	40664290
iii) Beneficiation of Iron Ore(Soil)	0	0
b) From Pollution Control facilities	10870	48880
c) Quantity recycled or re-utilized		
1)Sold -MBF unit(Pig) Slag	Sold-7793400	Sold-36459880
2)From Pollution Control facilities(Pig)	Reused in MBF-10870	Reused in MBF-48880
a) Disposal		
Induction slag	Indn.Slag O/B-9461240 Kg; Crushing-29520860 Kg; C/B-2142840 Kg*. Crushed Waste/Dust O/B-7926810 Kg; Rect.-27160770 Kg; Given 3182.220 Kg Free of cost to brick manufacturers; Used in land filling within premises-31214480 Kg.; C/B-690880 Kg.	* Indn.Slag O/B-2142840 Kg; Crushing-46098990 Kg; C/B-1259050 Kg*. Crushed Waste/Dust O/B-690880 Kg; Rect.-41671730 Kg; Given 16484230 Kg Free of cost to brick manufacturers; Used in land filling within premises-24311580 Kg.; C/B-1566800 Kg.

PART – F

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

We have installed 2 Induction Slag grinding units for iron metal segregation. Iron metal segregated is reused in induction furnaces as raw material and solid waste/dust obtained after segregation of iron metal is given to brick manufacturers free of cost. Solid Waste from MBF unit is being sold to cement manufacturers directly or through its suppliers and transported in eco-friendly safe manner in tightly covered trucks. During this whole year our low grade iron ore washing unit is non-operational. Mill skull generated during manufacturing of M.S/TMT Rod is reused in induction furnaces as raw material. Hazardous waste (Burnt Mobil Oil) is stored within the premises safely in appropriate drums and reused in smoothening the machinery within the premises for smooth running of the plant.

PART – G

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

Impact of pollution control measures on conservation of natural resources is positive. Cost of production gets some hike causing reduction in profit ratio.

PART – H

Additional investment proposal/implementation for environment protection including abatement of pollution:

Already implemented :

- 1) Gas Cleaning Plant (GCP) has been provided to MBF unit.
- 2) Fume Extractions Systems have been provided to Induction Furnace unit.
- 3) Online Stake Emission monitoring facility to stakes of appropriate heights with PM, CO, SO₂, NO_x Analyzer and dust concentration monitoring with 24x7 days connectivity to JSPCB and CPCB servers have been provided for both the above units.
- 4) Sufficient Bag Filters at required places have been provided.
- 5) Dry Fog Systems at required places have been provided.
- 6) Settling tank for collection of used water in Iron Ore Beneficiation (washing unit) has been provided. (Not in operation).
- 7) Water used in cooling of hot products are kept in closed circuit for reuse again and again.
- 8) Water settling tank followed by soak-pits for collection of domestic waste water has been provided.
- 9) Online dust monitoring system for AAQ PM₁₀ monitoring with 24x7 days connectivity to JSPCB and CPCB servers has been provided with a display board at factory premises main gate in public domain.
- 10) Water flow meter with camera are installed and is 24x7 days connected online to JSPCB & CPCB server to monitor.
- 11) Monitoring of AAQ within the premises, stack dust concentration, Fugitive Emission, Domestic Waste Water, Noise Level are also done quarterly by NABL laboratory also.
- 12) Rolling Mill unit has been integrated to M.S. Billet unit by installing covered metal conveyor for easy feeding of M.S. Billet to Rolling mill.
- 13) Emission Stack and Re-heating Furnaces of Rolling Mill have been removed after integration of Rolling Mill to M.S. Billet unit.

The additional measure will be adopted after study and on advice of the Jharkhand State Pollution Control Board/MoEF/CPCB.

PART – I

Any other particulars in respect of environment protection of environment and abatement of pollution :

Besides operating facilities as above in Part-H, huge Plantation has been done around the factory premises. Concrete road constructed, Fixed water sprinklers have been provided by the side of concrete roads within premises. Manual water sprinklers have also been provided wherever fixed water sprinklers are found difficult to work. Manual water sprinklers are also made available for water sprinkling on approach road to factory premise for dust suppression and to minimize the dust around boundary of factory premise. Arrangements has been made and facilities provided to MBF Unit for no increase in pollution load as per CTE granted for increased installed production capacity.

For **Balmukund Sponge & Irons Pvt. Ltd.**
(Mega Division)



Manoj Kumar

Manager



SCIENTIFIC RESEARCH LABORATORY

(Analytical & Environmental Engineering Laboratory)

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 (OHSAS) Certified

90, Lake East (4th Road) Santoshpur, Jadavpur, Kolkata - 700 075

TC-17162

Tele Fax : (033) 2416 2267, Tel.: (033) 2416 1311, E-mail : jyotirmoysrl@gmail.com, srkolenvironmental@gmail.com

Website : www.srlkolkata.com



TEST REPORT

[ULR - TC17162250000254F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Labour Quarter		
Sample Identification No.	: S - 265/12/ 2025		
Sampling starting date	: 19.12.2025	Sampling ending date	: 20.12.2025
Sample Receiving/Analysis Starting On	: 20.12.2025	Analysis Completed on	: 31.12.2025

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/ BS&IPL / AMB / S - 265/12/ 2025 Dated: 31.12.2025]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.698	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of Instruments used for Analysis: GC-MS System [VARIAN 210-MS VARIAN 431-GC, Gas Chromatograph with FID & ECD
[Agilent 7820A], CO Analyser Ecotech Model- Serinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg/m³ & Benzo (a) Pyrene (BaP) is 0.2 ng/m³

For Scientific Research Laboratory
Checked By

-----End of Test Report-----
1 of 1

For Scientific Research Laboratory
Reviewed and Authorized By

Gautam Chowdhury
Quality Manager (Authorized Signatory)

- The test report shall not be reproduced, except in full, without written approval of the company.
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- All relevant information of customers regarding testing are treated as "Confidential".



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TC-17162

Tele Fax : (033) 2416 2267, Tel.: (033) 2416 1311, E-mail : jyotirmoysrl@gmail.com, srkolenvironmental@gmail.com

Website : www.srkkolkata.com



TEST REPORT

[ULR - TC17162250000255F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Labour Rest Room		
Sample Identification No.	: S - 266/12/ 2025		
Sampling starting date	: 19.12.2025	Sampling ending date	: 20.12.2025
Sample Receiving/Analysis Starting On	: 20.12.2025	Analysis Completed on	: 31.12.2025

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/ BS&IPL / AMB / S - 266/12/ 2025 Dated: 31.12.2025]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.722	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of instruments used for Analysis: GC-MS System [VARIAN 210-MS VARIAN 431-GC Gas Chromatograph with FID & ECD

[Agilent 7820A], CO Analyser Ecotech Model- Serinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg /m³ & Benzo (a) Pyrene (BaP) is 0.2 ng /m³

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Checked By

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Gautam Chowdhury

Quality Manager (Authorized Signatory)

-----End of Test Report-----

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Website : www.srlkolkata.com



TEST REPORT

[ULR - TC17162250000256F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Northern Boundary		
Sample Identification No.	: S - 267/12/ 2025		
Sampling starting date	: 19.12.2025	Sampling ending date	: 20.12.2025
Sample Receiving/Analysis Starting On	: 20.12.2025	Analysis Completed on	: 31.12.2025

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/ BS&IPL / AMB / S - 267/12/ 2025 Dated: 31.12.2025]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.714	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of instruments used for Analysis: GC-MS System [VARIAN 210-MS VARIAN 431-GC, Gas Chromatograph with FID & ECD

[Agilent 7820A], CO Analyser Ecotech Model- Serinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg/m³ & Benzo (a) Pyrene (BaP) is 0.2 ng/m³

For Scientific Research Laboratory

Checked By

For Scientific Research Laboratory

Reviewed and Authorized By

Gautam Chowdhury

Quality Manager (Authorized Signatory)

-----End of Test Report-----

1 of 1

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Website : www.srlkolkata.com



TEST REPORT

[ULR - TC17162250000257F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Southern Boundary		
Sample Identification No.	: S - 268/12/ 2025		
Sampling starting date	: 19.12.2025	Sampling ending date	: 20.12.2025
Sample Receiving/Analysis Starting On	: 20.12.2025	Analysis Completed on	: 31.12.2025

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/ BS&IPL / AMB / S - 268/12/ 2025 Dated: 31.12.2025]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.662	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of instruments used for Analysis: GC-MS System [VARIAN 210-MS VARIAN 431-GC, Gas Chromatograph with FID & ECD
[Agilent 7820A], CO Analyser Ecotech Model- Scrinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg/m³ & Benzo (a) Pyrene (BaP) is 0.2 ng/m³

For Scientific Research Laboratory

Checked By

For Scientific Research Laboratory

Reviewed and Authorized By

Gautam Chowdhury

Quality Manager (Authorized Signatory)

-----End of Test Report-----

1 of 1

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Analytical & Environmental Engineering Laboratory

Address: C-144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC1116325000001144F	Test Report No.	: SRL/R/N/DEC/25/1171
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division- Induction Furnace Unit) At.: Manjhiladih, Gadisirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Noise
	Date of Sampling	: 17.12.2025 to 18.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025
	Sample Collected by	: SRL Team
	Weather Condition	: Clear
	Atmospheric Temp.(°C)	: 16
	Test Method	: IS 9989

AMBIENT NOISE MONITORING DATA

Sl. No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)	
			Day Time (06.00-22.00 hr.)	Night Time (22.00-06.00 hr.)
1.	Near Metal Conveyer	17.12.2025 to 18.12.2025	72.7	68.9
2.	Near Raw Material Yard (Induction Furnace Division)	17.12.2025 to 18.12.2025	65.4	63.6
3.	Northern Side of Induction Furnace Shed	17.12.2025 to 18.12.2025	66.2	63.8
4.	Beside Control Room	17.12.2025 to 18.12.2025	68.0	67.3

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi,

Industrial Area	: Day Time 75 dB(A) Leq and Night Time 70 dB(A) Leq
Commercial Area	: Day Time 65 dB(A) Leq and Night Time 55 dB(A) Leq
Residential Area	: Day Time 55 dB(A) Leq and Night Time 45 dB(A) Leq
Silence Zone	: Day Time 50 dB(A) Leq and Night Time 40 dB(A) Leq

Niraj

Reviewed & issued by;
Dr. Niraj Kumar Singh
(Authorized Signatory)

-- End of the Report --



SCIENTIFIC RESEARCH LABORATORY

An ISO 9001:2015 (QMS) & OHSMS 45001:2018 Certified Organization

Recognized by Jharkhand State Pollution Control Board

Analytical & Environmental Engineering Laboratory

Address: C-144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC111632500001145F	Test Report No.	: SRL/R/N/DEC/25/1172
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division- Rolling Mill Unit) At.: Manjhiladih, Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Noise
	Date of Sampling	: 17.12.2025 to 18.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025
	Sample Collected by	: SRL Team
	Weather Condition	: Clear
	Atmospheric Temp.(°C)	: 16
	Test Method	: IS 9989

AMBIENT NOISE MONITORING DATA

Sl. No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)	
			Day Time (06.00-22.00 hr.)	Night Time (22.00-06.00 hr.)
1.	Near Finished Product Yard	17.12.2025 to 18.12.2025	64.8	62.5
2.	Near Raw Material Yard (Rolling Division)	17.12.2025 to 18.12.2025	65.2	63.0
3.	Eastern Side of Rolling Mill Unit	17.12.2025 to 18.12.2025	63.7	62.9
4.	Southern Side of Labour Rest Room	17.12.2025 to 18.12.2025	64.3	62.5

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi,

Industrial Area : Day Time 75 dB(A) Leq and Night Time 70 dB(A) Leq

Commercial Area : Day Time 65 dB(A) Leq and Night Time 55 dB(A) Leq

Residential Area : Day Time 55 dB(A) Leq and Night Time 45 dB(A) Leq

Silence Zone : Day Time 50 dB(A) Leq and Night Time 40 dB(A) Leq

Niraj

Reviewed & issued by;
Dr. Niraj Kumar Singh
(Authorized Signatory)

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TC-11163

TEST REPORT

ULR No.: TC111632500001146F	Test Report No.	: SRL/R/ST/DEC/25/1173
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division)	Type of Sample	: Stack Emission
At.: Manjhiladih, Gadisirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Date of Sampling	: 17.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 1 (Induction Furnace Stack)
Emission due to	: Burning of Raw Materials/ Scrap
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 30
Height of the sampling point from ground level (in meter)	: 09
Diameter of the stack at sampling point (in meter)	: 0.60
Fuel used & Consumption	: Electricity & Electric Furnace
Production Capacity	: 3 x 15 MT Furnace
Stack connected to	: Fume Extraction System

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	16	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	112	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	764	-
Stack gas velocity, (m/sec)	6.63	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	5225	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	0.481	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	5.8	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	<0.2	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	35	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	26	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	92	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 92 mg/Nm³ against prescribed limit of 150 mg/NM³.

Note:

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TEST REPORT

ULR No.: TC1116325000001147F	Test Report No.	: SRL/R/ST/DEC/25/1174
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division)	Type of Sample	: Stack Emission
At.: Manjhiladih, Gadisirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Date of Sampling	: 17.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 2 (Induction Furnace Stack)
Emission due to	: Burning of Raw Materials/ Scrap
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 30
Height of the sampling point from ground level (in meter)	: 09
Diameter of the stack at sampling point (in meter)	: 0.60
Fuel used & Consumption	: Electricity & Electric Furnace
Production Capacity	: 2 x 15 MT Furnace
Stack connected to	: Fume Extraction System

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	17	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	102	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	764	-
Stack gas velocity, (m/sec)	6.65	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	5380	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	0.463	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	5.6	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	<0.2	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	32	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	24	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	86	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 86 mg/Nm³ against prescribed limit of 150 mg/NM³.

Note:

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TEST REPORT

Customer's Name & Address;	Test Report No.	: SRL/R/WZ/DEC/25/1178
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division- Rolling Unit) At.: Manjhiladih, Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Report Issue Date	: 30.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 24.12.2025
	Weather Condition	: Clear
	Atmospheric Temp. (°C)	: 16
	Relative Humidity (%)	: 82
	Wind Speed (Km/hour)	: 6.0
	Wind Direction (From)	: NW

Nature and Description of Sample	: Air Quality Monitoring (Work Place)
Type of Sample	: Work Zone Dust
Date of Sampling	: 18.12.2025
Sampling Method	: IS: 5182 (Part- 23)
Sample Collected by	: SRL Team
Any Other Information (if any)	: Nil

TEST RESULTS

Sl. No.	Location	Unit	Regulatory Standards	Results
1.	Finished Product Yard	µg/m ³	3000	1596
2.	Raw Material Yard	µg/m ³	3000	1830
3.	Eastern Side of Rolling Unit	µg/m ³	3000	1618
4.	Southern Side of Labour Rest Room	µg/m ³	3000	1554

* Norms for Fugitive Emission: MoEF & CC Notification, 31st March, 2012.

Note:

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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC111632500001150F	Test Report No.	: SRL/R/AAQ/DEC/25/1179
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisrampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Air
	Sampling Location	: Near Labour Quarter
	Date of Sampling	: 19.12.2025 to 20.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Clear	Ambient Temperature (°C): 16	Relative Humidity (%): 86
Atmospheric Pressure (mmHg): 762	Wind Speed (km/hr.): 8.0	Wind Direction : N

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	18.70	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	34.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	77.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	45.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	<20.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	18.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

Note:

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TEST REPORT

ULR No.: TC111632500001151F	Test Report No.	: SRL/R/AAQ/DEC/25/1180
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisrampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Air
	Sampling Location	: Near Labour Rest Room
	Date of Sampling	: 19.12.2025 to 20.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Clear	Ambient Temperature (°C): 16	Relative Humidity (%): 86
Atmospheric Pressure (mmHg): 762	Wind Speed (km/hr.): 8.0	Wind Direction : N

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	19.30	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	36.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	83.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	47.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	21.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	18.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

Note:

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TEST REPORT

ULR No.: TC1116325000001152F	Test Report No.	: SRL/R/AAQ/DEC/25/1181
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.)	Type of Sample	: Ambient Air
At.: Manjhiladih, P.O.: Gadisrirampur,	Sampling Location	: Near Northern Boundary
P.S.: Giridih (M), District: Giridih,	Date of Sampling	: 19.12.2025 to 20.12.2025
Jharkhand.	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Clear	Ambient Temperature (°C): 16	Relative Humidity (%): 86
Atmospheric Pressure (mmHg): 762	Wind Speed (km/hr.): 8.0	Wind Direction : N

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	17.60	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	32.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	76.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	44.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	<20.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	16.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

Note:

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TC-11163

TEST REPORT

ULR No.: TC111632500001153F	Test Report No.	: SRL/R/AAQ/DEC/25/1182
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Air
	Sampling Location	: Near Southern Boundary
	Date of Sampling	: 19.12.2025 to 20.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Clear	Ambient Temperature (°C): 16	Relative Humidity (%): 86
Atmospheric Pressure (mmHg): 762	Wind Speed (km/hr.): 8.0	Wind Direction : N

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	21.00	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	37.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	85.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	51.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	21.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	19.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC1116325000001154F	Test Report No.	: SRL/R/N/DEC/25/1183
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand	Type of Sample	: Ambient Noise
	Date of Sampling	: 19.12.2025 to 20.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025
	Sample Collected by	: SRL Team
	Weather Condition	: Clear
	Atmospheric Temp.(°C)	: 16
	Test Method	: IS 9989

AMBIENT NOISE MONITORING DATA

Sl. No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)	
			Day Time (06.00-22.00 hr.)	Night Time (22.00-06.00 hr.)
1.	Near Labour Quarter	19.12.2025 to 20.12.2025	61.6	58.5
2.	Near Labour Rest Room	19.12.2025 to 20.12.2025	64.7	62.3
3.	Near Northern Boundary	19.12.2025 to 20.12.2025	62.0	61.2
4.	Near Southern Boundary	19.12.2025 to 20.12.2025	63.5	62.6

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi,
Industrial Area : Day Time 75 dB(A) Leq and Night Time 70 dB(A) Leq
Commercial Area : Day Time 65 dB(A) Leq and Night Time 55 dB(A) Leq
Residential Area : Day Time 55 dB(A) Leq and Night Time 45 dB(A) Leq
Silence Zone : Day Time 50 dB(A) Leq and Night Time 40 dB(A) Leq

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TC-11163

TEST REPORT

ULR No.: TC1116325000001155F	Test Report No.	: SRL/R/ST/DEC/25/1184
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Iron Ore Ben. Plant) At.: Manjhiladih, P.O.: Gadisirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Stack Emission
	Date of Sampling	: 19.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 1 (Iron Ore Beneficiation Unit)
Emission due to	: Process
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 30
Height of the sampling point from ground level (in meter)	: 12
Diameter of the stack at sampling point (in meter)	: 0.60
Fuel used & Consumption	: Process Stack
Production Capacity	: 74,000 TPA (Iron Ore)
Stack connected to	: IOB Unit

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	17	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	72	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	762	-
Stack gas velocity, (m/sec)	6.78	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	5964	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	0.54	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	NA	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	NA	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	NA	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	NA	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	90	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 90 mg/Nm³ against prescribed limit of 150 mg/NM³.

Note:

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TC-11163

TEST REPORT

ULR No.: TC1116325000001156F	Test Report No.	: SRL/R/WW/DEC/25/1185
Customer's Name & Address;	Report Issue Date	: 30.12.2025
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 27.12.2025
	Sample Collected by	: SRL Team
	Sample Quantity	: 2 Litre
	Sample Condition	: Preserved
	Weather Condition	: Clear
	Lab. Sample No.	: WW – 124

Type of Sample	: Effluent Water	Sampling Method	: APHA 1060 B
Location of Sample	: Office Outlet	Date of Sampling	: 21.12.2025

TEST RESULTS

Sl. No.	Parameters	Results	Regulatory Standard*			Test Method
			Inland Surface Water Body	Public Sewer	On Land Irrigation	
1.	pH Value	7.3	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	APHA 24 th Edn. 4500H+ B
2.	Total Suspended Solids, mg/l	28	100	600	200	APHA 24 th Edn. 2540 D
3.	Total Dissolved Solids, mg/l	264	-	-	-	APHA 24 th Edn. 2540 C
4.	Total Solids, mg/l	294	-	-	-	APHA 24 th Edn. 2540 B
5.	COD (as O ₂), mg/l	36	250	-	-	IS: 3025 (Part 58) 2006
6.	BOD (3 days at 27 °C), mg/l	11	30	350	100	IS: 3025 (Part 44) 2012
7.	Oil & Grease, mg/l	<5	10	20	10	APHA 24 th Edn. 5220 B
8.	Chloride (as Cl), mg/l, Max.	72	1000	1000	600	APHA 24 th Edn. 4500 Cl- B

*General standards for discharge of environmental pollutants into inland surface water as per CPCB, MoEF&CC, July, 2000.

Note:

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2. Test report shall not be reproduced except in full, without written approval of the laboratory.
3. Sample shall be discarded after 15 days from the date of issue of the test reports.

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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com

TEST REPORT

Customer's Name & Address:	Test Report No.	: SRL/R/WZ/DEC/25/1186
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (CCM & Iron Ore Ben. Plant) At.: Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Report Issue Date	: 30.12.2025
	Sample Receipt Date	: 21.12.2025
	Analysis Date	: 22.12.2025 to 24.12.2025
	Weather Condition	: Clear
	Atmospheric Temp. (°C)	: 16
	Relative Humidity (%)	: 86
	Wind Speed (Km/hour)	: 8
	Wind Direction (From)	: W

Nature and Description of Sample	: Air Quality Monitoring (Work Place)
Type of Sample	: Work Zone Dust
Date of Sampling	: 20.12.2025
Sampling Method	: IS: 5182 (Part- 23)
Sample Collected by	: SRL Team
Any Other Information (if any)	: Nil

TEST RESULTS

Sl. No.	Location	Unit	Regulatory Standards	Results
1.	Near Hopper (Iron Ore Beneficiation Unit)	µg/m ³	3000	1952
2.	Near Raw Material Yard (Iron Ore Beneficiation Unit)	µg/m ³	3000	1566
3.	Near Scrape Yard (M.S. Billet Section)	µg/m ³	3000	1581
4.	Near Weigh Bridge (M.S. Billet Section)	µg/m ³	3000	1890

* Norms for Fugitive Emission: MoEF & CC Notification, 31st March, 2012.

Note:

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TC-11163

TEST REPORT

ULR No.: TC111632600000273F	Test Report No.	: SRL/R/AAQ/MAR/26/280
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.)	Type of Sample	: Ambient Air
At.: Manjhiladih, P.O.: Gadisrirampur,	Sampling Location	: Near Labour Quarter
P.S.: Giridih (M), District: Giridih,	Date of Sampling	: 20.03.2026 to 21.03.2026
Jharkhand.	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 28.03.2026
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Cloudy	Ambient Temperature (°C): 23	Relative Humidity (%): 74
Atmospheric Pressure (mmHg): 758	Wind Speed (km/hr.): 9.0	Wind Direction : NE

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	17.30	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	32.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	78.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	47.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	<20.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	16.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

Note:

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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC111632600000274F	Test Report No.	: SRL/R/AAQ/MAR/26/281
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.)	Type of Sample	: Ambient Air
At.: Manjhiladih, P.O.: Gadisrirampur,	Sampling Location	: Near Labour Rest Room
P.S.: Giridih (M), District: Giridih,	Date of Sampling	: 20.03.2026 to 21.03.2026
Jharkhand.	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 28.03.2026
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Cloudy	Ambient Temperature (°C): 23	Relative Humidity (%): 74
Atmospheric Pressure (mmHg): 758	Wind Speed (km/hr.): 9.0	Wind Direction : NE

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	18.60	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	34.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	81.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	48.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	<20.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	18.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

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TC-11163

TEST REPORT

ULR No.: TC111632600000275F	Test Report No.	: SRL/R/AAQ/MAR/26/282
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Air
	Sampling Location	: Near Northern Boundary
	Date of Sampling	: 20.03.2026 to 21.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 28.03.2026
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Cloudy	Ambient Temperature (°C): 23	Relative Humidity (%): 74
Atmospheric Pressure (mmHg): 758	Wind Speed (km/hr.): 9.0	Wind Direction : NE

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	16.50	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	30.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	75.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	43.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	<20.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	18.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

Note:

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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC111632600000276F	Test Report No.	: SRL/R/AAQ/MAR/26/283
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.)	Type of Sample	: Ambient Air
At.: Manjhiladih, P.O.: Gadisrirampur,	Sampling Location	: Near Southern Boundary
P.S.: Giridih (M), District: Giridih,	Date of Sampling	: 20.03.2026 to 21.03.2026
Jharkhand.	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 28.03.2026
	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Cloudy	Ambient Temperature (°C): 23	Relative Humidity (%): 74
Atmospheric Pressure (mmHg): 758	Wind Speed (km/hr.): 9.0	Wind Direction : NE

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1.	Sulphur Dioxide, (SO ₂)	µg/m ³	20.00	80 (24 hrs.)	IS: 5182 (Part- 2)
2.	Nitrogen Dioxide, (NO ₂)	µg/m ³	36.00	80 (24 hrs.)	IS: 5182 (Part- 6)
3.	Particulate Matter, PM ₁₀	µg/m ³	86.00	100 (24 hrs.)	IS: 5182 (Part- 23)
4.	Particulate Matter, PM _{2.5}	µg/m ³	51.00	60 (24 hrs.)	IS: 5182 (Part- 24)
5.	Ammonia (NH ₃)	µg/m ³	20.00	400 (24 hrs.)	IS: 5182 (Part- 25)
6.	Ozone (O ₃)	µg/m ³	18.00	180 (1 hr.)	CPCB, Vol. I (NAAQMS Monitoring & Analysis Guidelines)
7.	Arsenic (As)	ng/m ³	<1.00	6 (Annual)	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
8.	Lead (Pb)	µg/m ³	<0.02	1 (24 hr.)	IS 5182 (Part-22)
9.	Nickel (Ni)	ng/m ³	<5.00	20 (Annual)	IS 5182 (Part-26): 2020

*NAAQS: National Ambient Air Quality Standards, 2009.

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TC-11163

TEST REPORT

ULR No.: TC111632600000277F	Test Report No.	: SRL/R/N/MAR/26/284
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand	Type of Sample	: Ambient Noise
	Date of Sampling	: 20.03.2026 to 21.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 24.03.2026
	Sample Collected by	: SRL Team
	Weather Condition	: Cloudy
	Atmospheric Temp.(°C)	: 23
	Test Method	: IS 9989

AMBIENT NOISE MONITORING DATA

Sl. No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)	
			Day Time (06.00-22.00 hr.)	Night Time (22.00-06.00 hr.)
1.	Near Labour Quarter	20.03.2026 to 21.03.2026	62.3	58.8
2.	Near Labour Rest Room	20.03.2026 to 21.03.2026	63.7	62.0
3.	Near Northern Boundary	20.03.2026 to 21.03.2026	62.6	61.5
4.	Near Southern Boundary	20.03.2026 to 21.03.2026	64.2	63.4

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi,

Industrial Area : Day Time 75 dB(A) Leq and Night Time 70 dB(A) Leq

Commercial Area : Day Time 65 dB(A) Leq and Night Time 55 dB(A) Leq

Residential Area : Day Time 55 dB(A) Leq and Night Time 45 dB(A) Leq

Silence Zone : Day Time 50 dB(A) Leq and Night Time 40 dB(A) Leq

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TC-11163

TEST REPORT

ULR No.: TC111632600000278F	Test Report No.	: SRL/R/ST/MAR/26/285
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Iron Ore Ben. Plant)	Type of Sample	: Stack Emission
At.: Manjhiladih, P.O.: Gadisirampur,	Date of Sampling	: 20.03.2026
P.S.: Giridih (M), District: Giridih, Jharkhand.	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 26.03.2026

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 1 (Iron Ore Beneficiation Unit)
Emission due to	: Process
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 30
Height of the sampling point from ground level (in meter)	: 12
Diameter of the stack at sampling point (in meter)	: 0.60
Fuel used & Consumption	: Process Stack
Production Capacity	: 74,000 TPA (Iron Ore)
Stack connected to	: IOB Unit

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	26	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	82	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	758	-
Stack gas velocity, (m/sec)	6.88	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	5880	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	0.506	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	NA	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	NA	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	NA	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	NA	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	86	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 86 mg/Nm³ against prescribed limit of 150 mg/NM³.

Note:

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Address: C-144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC111632600000279F	Test Report No.	: SRL/R/WW/MAR/26/286
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) At.: Manjhiladih, P.O.: Gadisirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 26.03.2026
	Sample Collected by	: SRL Team
	Sample Quantity	: 2 Litre
	Sample Condition	: Sealed and preserved
	Weather Condition	: Partly Cloudy
	Lab. Sample No.	: WW - 27

Type of Sample	: Effluent Water	Sampling Method	: APHA 1060 B
Location of Sample	: Office Outlet	Date of Sampling	: 22.03.2026

TEST RESULTS

Sl. No.	Parameters	Results	Regulatory Standard*			Test Method
			Inland Surface Water Body	Public Sewer	On Land Irrigation	
1.	pH Value	7.4	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	APHA 24 th Edn. 4500H+ B
2.	Total Suspended Solids, mg/l	26	100	600	200	APHA 24 th Edn. 2540 D
3.	Total Dissolved Solids, mg/l	256	-	-	-	APHA 24 th Edn. 2540 C
4.	Total Solids, mg/l	285	-	-	-	APHA 24 th Edn. 2540 B
5.	COD (as O ₂), mg/l	40	250	-	-	IS: 3025 (Part 58) 2006
6.	BOD (3 days at 27 °C), mg/l	12	30	350	100	IS: 3025 (Part 44) 2012
7.	Oil & Grease, mg/l	<5	10	20	10	APHA 24 th Edn. 5220 B
8.	Chloride (as Cl), mg/l, Max.	66	1000	1000	600	APHA 24 th Edn. 4500 Cl- B

*General standards for discharge of environmental pollutants into inland surface water as per CPCB, MoEF&CC, July, 2000.

Note:

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3. Sample shall be discarded after 15 days from the date of issue of the test reports.

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Address: C-144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com

TEST REPORT

Customer's Name & Address:	Test Report No.	: SRL/R/WZ/MAR/26/287
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (CCM & Iron Ore Ben. Plant) At.: Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Report Issue Date	: 31.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 26.03.2026
	Weather Condition	: Partly Cloudy
	Atmospheric Temp. (°C)	: 24
	Relative Humidity (%)	: 56
	Wind Speed (Km/hour)	: 8
	Wind Direction (From)	: WNW

Nature and Description of Sample	: Air Quality Monitoring (Work Place)
Type of Sample	: Work Zone Dust (Particulate Matter, PM ₁₀)
Date of Sampling	: 21.03.2026
Sampling Method	: IS: 5182 (Part- 23)
Sample Collected by	: SRL Team
Any Other Information (if any)	: Nil

TEST RESULTS

Sl. No.	Location	Unit	Regulatory Standards	Results
1.	Near Hopper (Iron Ore Beneficiation Unit)	µg/m ³	3000	1968
2.	Near Raw Material Yard (Iron Ore Beneficiation Unit)	µg/m ³	3000	1540
3.	Near Scrape Yard (M.S. Billet Section)	µg/m ³	3000	1526
4.	Near Weigh Bridge (M.S. Billet Section)	µg/m ³	3000	1894

* Norms for Fugitive Emission: MoEF & CC Notification, 31st March, 2012.

Note:

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90, Lake East (4th Road) Santoshpur, Jadavpur, Kolkata - 700 075

TC-17162 Tele Fax : (033) 2416 2267, Tel.: (033) 2416 1311, E-mail : jyotirmoysri@gmail.com, srkolenvironmental@gmail.com

Website : www.srikolkata.com



TEST REPORT

[ULR - TC17162260000615F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Labour Quarter		
Sample Identification No.	: S - 196/03/ 2026		
Sampling starting date	: 20.03.2026	Sampling ending date	: 21.03.2026
Sample Receiving/Analysis Starting On	: 23.03.2026	Analysis Completed on	: 30.03.2026

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/ BS&IPL / AMB / S - 196/03/ 2026 Dated: 30.03.2026]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.692	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of instruments used for Analysis: GC-MS System [VARIAN 210-MS VARIAN 431-GC, Gas Chromatograph with FID & ECD
[Agilent 7820A], CO Analyser Ecotech Model- Serinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg /m³ & Benzo (a) Pyrene (BaP) is 0.2 ng /m³

For Scientific Research Laboratory

Checked By

For Scientific Research Laboratory

Reviewed and Authorized By

Gautam Chowdhury

Quality Manager (Authorized Signatory)

-----End of Test Report-----

1 of 1

- The test report shall not be reproduced, except in full, without written approval of the company.
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(Analytical & Environmental Engineering Laboratory)

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 (OHSAS) Certified

90, Lake East (4th Road) Santoshpur, Jadavpur, Kolkata - 700 075

TC-17162 Tele Fax : (033) 2416 2267, Tel.: (033) 2416 1311, E-mail : jyotirmoysrl@gmail.com, srkolenvironmental@gmail.com

Website : www.srlkolkata.com



TEST REPORT

[ULR - TC17162260000616F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Labour Rest Room		
Sample Identification No.	: S - 197/03/ 2026		
Sampling starting date	: 20.03.2026	Sampling ending date	: 21.03.2026
Sample Receiving/Analysis Starting On	: 23.03.2026	Analysis Completed on	: 30.03.2026

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/BS&IPL / AMB / S - 197/03/ 2026 Dated: 30.03.2026]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.732	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of instruments used for Analysis:GC-MS System [VARIAN 210-MS VARIAN 431-GC, Gas Chromatograph with FID & ECD
[Agilent 7820A], CO Analyser Ecotech Model- Serinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg / m³ & Benzo (a) Pyrene (BaP) is 0.2 ng / m³

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-----End of Test Report-----
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TEST REPORT

[ULR - TC17162260000617F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Northern Boundary		
Sample Identification No.	: S - 198/03/ 2026		
Sampling starting date	: 20.03.2026	Sampling ending date	: 21.03.2026
Sample Receiving/Analysis Starting On	: 23.03.2026	Analysis Completed on	: 30.03.2026

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/ BS&IPL / AMB / S - 198/03/ 2026 Dated: 30.03.2026]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.722	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of instruments used for Analysis:GC-MS System [VARIAN 210-MS VARIAN 431-GC, Gas Chromatograph with FID & ECD
[Agilent 7820A], CO Analyser Ecotech Model- Serinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg/m³ & Benzo (a) Pyrene (BaP) is 0.2 ng/m³

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TC-17162

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TEST REPORT

[ULR - TC17162260000618F] AMBIENT AIR QUALITY MONITORING [FORMAT NO. SRL / FRM / 18]

Name & Address of the Factory	: M/s. Balmukund Sponge & Iron (P) Ltd. (Mega Div.) (Mega Division, CCM & Iron Ore Beneficiation Plant) Manjhiladih, P.O.: Gadisrirampur, P.S.: Giridih District: Giridih, Jharkhand		
Sampling Location	: Near Southern Boundary		
Sample Identification No.	: S - 199/03/ 2026		
Sampling starting date	: 20.03.2026	Sampling ending date	: 21.03.2026
Sample Receiving/Analysis Starting On	: 23.03.2026	Analysis Completed on	: 30.03.2026

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/ BS&IPL / AMB / S - 199/03/ 2026 Dated: 30.03.2026]

SL.NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/ LIMITS
01.	Carbon Monoxide (CO) [01 Hr.]	mg/m ³	0.674	IS 5182 (Part-10)	4.0 [1 Hour]
02.	Benzene (C ₆ H ₆)	µg/m ³	< 0.2	IS 5182 (Part 11)	5.0 [Annual]
03.	Benzo (a) Pyrene (BaP)	ng/m ³	< 0.2	IS 5182 (Part 12)	1.0 [Annual]

Note 01 : Carbon Monoxide (CO) for hourly basis.

Note 02 : Details of instruments used for Analysis: GC-MS System [VARIAN 210-MS VARIAN 431-GC, Gas Chromatograph with FID & ECD
[Agilent 7820A], CO Analyser Ecotech Model- Scrinus 30.

Note 03 : Detection Limit of Benzene (C₆H₆) is 0.2 µg/m³ & Benzo (a) Pyrene (BaP) is 0.2 ng/m³

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Analytical & Environmental Engineering Laboratory

Address: C-144, Aman Green City, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC111632600000267F	Test Report No.	: SRL/R/N/MAR/26/272
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division- Induction Furnace Unit) At.: Manjhiladih, Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Noise
	Date of Sampling	: 18.03.2026 to 19.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 24.03.2026
	Sample Collected by	: SRL Team
	Weather Condition	: Partly Cloudy
	Atmospheric Temp.(°C)	: 32
	Test Method	: IS 9989

AMBIENT NOISE MONITORING DATA

Sl. No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)	
			Day Time (06.00-22.00 hr.)	Night Time (22.00-06.00 hr.)
1.	Near Metal Conveyer	18.03.2026 to 19.03.2026	71.4	68.3
2.	Near Raw Material Yard (Induction Furnace Division)	18.03.2026 to 19.03.2026	65.7	63.1
3.	Northern Side of Induction Furnace Shed	18.03.2026 to 19.03.2026	66.5	62.6
4.	Beside Control Room	18.03.2026 to 19.03.2026	67.7	66.2

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi,

Industrial Area	: Day Time 75 dB(A) Leq and Night Time 70 dB(A) Leq
Commercial Area	: Day Time 65 dB(A) Leq and Night Time 55 dB(A) Leq
Residential Area	: Day Time 55 dB(A) Leq and Night Time 45 dB(A) Leq
Silence Zone	: Day Time 50 dB(A) Leq and Night Time 40 dB(A) Leq

Niraj

Reviewed & issued by;
Dr. Niraj Kumar Singh
(Authorized Signatory)

-- End of the Report --



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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC-11163

TEST REPORT

ULR No.: TC111632600000268F	Test Report No.	: SRL/R/N/MAR/26/273
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division- Rolling Mill Unit) At.: Manjhiladih, Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Type of Sample	: Ambient Noise
	Date of Sampling	: 18.03.2026 to 19.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 24.03.2026
	Sample Collected by	: SRL Team
	Weather Condition	: Partly Cloudy
	Atmospheric Temp.(°C)	: 32
	Test Method	: IS 9989

AMBIENT NOISE MONITORING DATA

Sl. No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)	
			Day Time (06.00-22.00 hr.)	Night Time (22.00-06.00 hr.)
1.	Near Finished Product Yard	18.03.2026 to 19.03.2026	63.7	62.1
2.	Near Raw Material Yard (Rolling Division)	18.03.2026 to 19.03.2026	65.5	63.8
3.	Eastern Side of Rolling Mill Unit	18.03.2026 to 19.03.2026	63.2	62.0
4.	Southern Side of Labour Rest Room	18.03.2026 to 19.03.2026	62.9	61.4

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi,
Industrial Area : Day Time 75 dB(A) Leq and Night Time 70 dB(A) Leq
Commercial Area : Day Time 65 dB(A) Leq and Night Time 55 dB(A) Leq
Residential Area : Day Time 55 dB(A) Leq and Night Time 45 dB(A) Leq
Silence Zone : Day Time 50 dB(A) Leq and Night Time 40 dB(A) Leq

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TC-11163

TEST REPORT

ULR No.: TC111632600000269F	Test Report No.	: SRL/R/ST/MAR/26/274
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division)	Type of Sample	: Stack Emission
At.: Manjhiladih, Gadisirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Date of Sampling	: 18.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 26.03.2026

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 1 (Induction Furnace Stack)
Emission due to	: Burning of Raw Materials/ Scrap
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 30
Height of the sampling point from ground level (in meter)	: 09
Diameter of the stack at sampling point (in meter)	: 0.60
Fuel used & Consumption	: Electricity & Electric Furnace
Production Capacity	: 3 x 15 MT Furnace
Stack connected to	: Fume Extraction System

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	34	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	114	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	758	-
Stack gas velocity, (m/sec)	6.65	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	5213	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	0.37	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	5.6	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	<0.2	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	34	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	28	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	71	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 71 mg/Nm³ against prescribed limit of 150 mg/NM³.

Note:

1. The results relate only to the items sampled and tested.
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Niraj

Reviewed & issued by;
Dr. Niraj Kumar Singh
(Authorized Signatory)

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TC-11163

TEST REPORT

ULR No.: TC1116326000000270F	Test Report No.	: SRL/R/ST/MAR/26/275
Customer's Name & Address;	Report Issue Date	: 31.03.2026
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division)	Type of Sample	: Stack Emission
At.: Manjhiladih, Gadisirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Date of Sampling	: 18.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 26.03.2026

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 2 (Induction Furnace Stack)
Emission due to	: Burning of Raw Materials/ Scrap
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 30
Height of the sampling point from ground level (in meter)	: 09
Diameter of the stack at sampling point (in meter)	: 0.60
Fuel used & Consumption	: Electricity & Electric Furnace
Production Capacity	: 2 x 15 MT Furnace
Stack connected to	: Fume Extraction System

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	35	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	106	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	756	-
Stack gas velocity, (m/sec)	6.58	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	5267	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	0.337	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	5.6	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	<0.2	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	31	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	26	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	64	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 64 mg/Nm³ against prescribed limit of 150 mg/NM³.

Note:

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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com

TEST REPORT

Customer's Name & Address;	Test Report No.	: SRL/R/WZ/MAR/26/279
M/s Balmukund Sponge & Iron (P) Ltd. (Mega Division- Rolling Unit) At.: Manjhiladih, Gadisrirampur, P.S.: Giridih (M), District: Giridih, Jharkhand.	Report Issue Date	: 31.03.2026
	Sample Receipt Date	: 22.03.2026
	Analysis Date	: 22.03.2026 to 24.03.2026
	Weather Condition	: Partly Cloudy
	Atmospheric Temp. (°C)	: 30
	Relative Humidity (%)	: 34
	Wind Speed (Km/hour)	: 4.0
	Wind Direction (From)	: S

Nature and Description of Sample	: Air Quality Monitoring (Work Place)
Type of Sample	: Work Zone Dust (Particulate Matter, PM ₁₀)
Date of Sampling	: 19.03.2026
Sampling Method	: IS: 5182 (Part- 23)
Sample Collected by	: SRL Team
Any Other Information (if any)	: Nil

TEST RESULTS

Sl. No.	Location	Unit	Regulatory Standards	Results
1.	Finished Product Yard	µg/m ³	3000	1596
2.	Raw Material Yard	µg/m ³	3000	1830
3.	Eastern Side of Rolling Unit	µg/m ³	3000	1618
4.	Southern Side of Labour Rest Room	µg/m ³	3000	1554

* Norms for Fugitive Emission: MoEF & CC Notification, 31st March, 2012.

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