



EW0692416151H TVR:69870692416151H
SF HRC KOLKATA RM3 <700001>
Counter No:3, 30/05/2025, 13:47
To:THE ZONAL OFF, INTEGRATED REGIO
PIN:834002, Dardanda HO
From:BALMUKUND S.18 R N H ROAD
Wt:148gms
Amt:47.20, Tax:7.20, Amt.Paid:47.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002644444> <More cash - Stay safe>

BALMUKUND

SPONGE & IRON PVT. LTD. (MEGA DVN.)

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
PHONE : 06532-250597
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
CIN : U27310WB1999PTC266185

29th May, 2025

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)-834 002

Sub : **EC compliance report for the period from October, 2024 to March, 2025 of conditions as laid down in Environmental Clearance issued by Ministry of Environment and Forest (MoEF), Govt. of India**

Sir,

With reference to the subject above, we are submitting our compliance of the conditions of Environment Clearance granted to us by the Ministry of Environment & Forest, Govt. of India to our Pig Iron Plant (of capacity-39000 TPA) vide letter No.J-11011/870/2008-IA II (I) dt.28th July, 2010 for compliance period from 01st October, 2024 to 31st March, 2025 as follows :

A) Specific Conditions :

Sl. No.	Conditions	Compliance
i.	To control the emission, the emissions from the Mini Blast Furnace, Gas Cleaning Plant comprising dust catchers and ventury scrubbers shall be installed to control the emissions within the prescribed standards.	We have installed Gas Cleaning Plant along-with online dust (PM) monitoring system. Online monitoring system has also been facilitated with CO, NO _x and SO ₂ Gas Analyzer and Water Flow Meter with Camera having 24 x 7 days connectivity to CPCB and JSPC Board. Particulate emission is being maintained below 50 mg/Nm ³ . All other parameters namely CO, NO _x and SO ₂ are also being maintained within prescribed limits and data is being transmitted to the server of CPCB and JSPC Board during compliance operational period as per direction. Data are available on server may be verified. Stack emission is also monitored quarterly by a NABL laboratory, results has been shown in their AAQ Monitoring Report on 12 parameters enclosed herewith for compliance operational period. We have installed dust catchers and wet ventury scrubbers to control the fugitive emissions at work zone within the prescribed standards. Dry fog system is already installed and is being operated efficiently as previously informed and photographs submitted to the MoEF & CC authorities.
ii.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R.No.826(E) dated 16 th November, 2009 should be followed.	The National Ambient Air Quality Standards issued by the Ministry vide GSR No.826 (E) dated 16 th November, 2009 is being followed. Air quality monitoring within the premises has been improved by installing Online PM monitoring system with 24x7 days connectivity to SPCB and CPCB servers. Monitoring of Ambient Air Quality parameters such as RSPM, SO ₂ , CO & NO _x are also being carried out during the compliance operational period by above said NABL laboratory. AAQ Monitoring Report for compliance operational period are enclosed.

REGD. OFFICE : 18, R. N. MUKHERJEE ROAD, (1ST FLOOR), KOLKATA-700 001, PH.: 4032 5000
WORKS : AT- CHATRO. TUNDI ROAD, P.O.: GADISRIRAMPUR, GIRIDIH - 815 302, PH.: (06532) 244162, 244163, FAX : 244062
PATNA OFFICE : 603, SHANTIKUNJ APARTMENT, CHHAJJUBAGH, PATNA - 800 001(BIHAR), PH.: 0612-2322388/488

All Disputes are Subject to Patna (Bihar) jurisdiction only

**B A L M U K U N D****SPONGE & IRON PVT. LTD.
(M E G A D V N .)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
P H O N E : 0 6 5 3 2 - 2 5 0 5 9 7
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
C I N : U 2 7 3 1 0 W B 1 9 9 9 P T C 2 6 6 1 8 5

-2-

Sl. No.	Conditions	Compliance
iii.	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 th May, 2008 and regularly monitored Guidelines/Code of Practice issued by the CPCB shall be followed.	<p>Secondary fugitive emission from all sources are controlled by providing following arrangements to maintain the pollutants within permissible limits as issued by the Ministry vide GSR 414(E) dated 30th May, 2008; monitored regularly as per guidelines/Code of Practice issued by the CPCB :</p> <p>Concrete roads have been constructed all along the premises. Dust on roads and loading/unloading area is regularly cleaned/removed. Roads are kept wet. Fixed type water sprinklers all along the roads have been provided.</p> <p>Raw materials are kept separately under shed.</p> <p>Dust generation at transfer points has been controlled by providing fixed and manual water sprinklers.</p> <p>Dust catcher is already installed and operated regularly.</p> <p>Dry fog dust suppression systems have been installed at storage shed of raw materials and wherever required.</p> <p>Fugitive dust Monitoring Reports conducted manually by NABL laboratory including work zone for compliance operational period are enclosed.</p>
iv.	Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Efforts shall also be made to reduce impact of the transportation of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.	<p>Proper arrangements to control Vehicular pollution due to transportation, loading/unloading of raw material and finished/end product have been made by providing following arrangements :</p> <p>Dry fog systems have been installed at unloading of raw material and loading of finished product points to maintain the fugitive emission within the limit at minimal level.</p> <p>Fly ash is not generated during manufacturing process of Pig Iron.</p> <p>Tightly covered vehicles (solving purpose of container) are used for raw material transportation and transportation of finished products.</p> <p>PUC bearing vehicles only are being allowed to enter into premises.</p> <p>Regular water spraying also is done inside the unit as well as at unloading/loading points of raw material and finished goods. Regular manual water spraying is also done on approach road of factory premises.</p> <p>Slag generated from the unit is carried/transported safely in covered vehicle without effecting surroundings.</p>

REGD. OFFICE : 18, R. N. MUKHERJEE ROAD, (1ST FLOOR), KOLKATA-700 001, PH.: 4032 5000

WORKS : AT- CHATRO. TUNDI ROAD, P.O.: GADISRIRAMPUR, GIRIDIH - 815 302, PH.: (06532) 244162, 244163, FAX : 244062

PATNA OFFICE : 603, SHANTIKUNJ APARTMENT, CHHAJJUBAGH, PATNA - 800 001(BIHAR), PH.: 0612-2322388/488

All Disputes are Subject to Patna (Bihar) jurisdiction only

**B A L M U K U N D****SPONGE & IRON PVT. LTD.
(M E G A D V N .)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
P H O N E : 0 6 5 3 2 - 2 5 0 5 9 7
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
C I N : U 2 7 3 1 0 W B 1 9 9 9 P T C 2 6 6 1 8 5

-3-

Sl. No.	Conditions	Compliance
		Fugitive emission from vehicular movement is controlled by water sprinkling and dust catcher and is monitored by installed online PM monitoring system. Monitoring report of Fugitive Emission conducted manually by NABL laboratory for the compliance operational period enclosed .
v.	Permission for drawl of 10 m/hr of water shall be obtained from the Central Ground Water Board/Central Ground Water Authority whichever may be applicable in this case.	Permission from CGWA for drawl of water has been obtained vide NOC No.21-4(166) MER/ CGWA/2013-396 dt.04.03.2014. Renewal of NOC has been granted with validity till 03.03.2028 vide NOC No. NOC/IND/JH/2024/656/R-4/4 dt.24.03.2025. Copy of the same is enclosed for your ready reference.
vi.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rain water harvesting as per condition has been constructed. Rain water is properly harvested in reservoirs having sufficient capacity to store rain water. Maximum water is stored in the reservoir and used for dust suppression and greenbelt develop-ment during lean season. Balance water requirement is met from ground water source. Roof top rain water harvesting systems are provided and water so collected is recharged properly to maintain the ground water table. Required Piezometers have been installed.
vii.	'Zero' effluent discharge should be strictly followed and no wastewater shall be discharged outside the premises.	'Zero' effluent discharge has strictly been adopted and no wastewater is discharged outside the factory premises. Water is used only for cooling of hot products and is kept in closed circuit. Domestic waste water is stored in settling tank followed by soak pit. Treated domestic waste water so obtained is reused in dust suppression and greenbelt development.
viii.	The water consumption shall not exceed as per prescribed standards for the steel plants.	We use ground water less than 120 KLD as per NOC granted by CGWA.
ix.	All the blast furnace (BF) slag shall be granulated and provided to cement manufacturers for further utilization. Accretions shall also be properly utilized.	100% Slag 13096.910 MT generated from blast furnace has been sold to cement manufacturers on demand. They carry it in eco-friendly manner without affecting surroundings.
x.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 and 2010. All the fly ash shall be provided to cement and brick manufacturers for further utilization and 'Memorandum of Understanding' shall be submitted to the Ministry's Regional Office at Bhubaneswar.	No fly ash or bottom ash is generated during manufacturing of Pig Iron.

REGD. OFFICE : 18, R. N. MUKHERJEE ROAD, (1ST FLOOR), KOLKATA-700 001, PH.: 4032 5000**WORKS : AT- CHATRO. TUNDI ROAD, P.O.: GADISRIRAMPUR, GIRIDIH - 815 302, PH.: (06532) 244162, 244163, FAX : 244062****PATNA OFFICE : 603, SHANTIKUNJ APARTMENT, CHHAJJUBAGH, PATNA - 800 001(BIHAR), PH.: 0612-2322388/488****All Disputes are Subject to Patna (Bihar) jurisdiction only**

**B A L M U K U N D****SPONGE & IRON PVT. LTD.
(M E G A D V N .)**HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
P H O N E : 0 6 5 3 2 - 2 5 0 5 9 7
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
C I N : U 2 7 3 1 0 W B 1 9 9 9 P T C 2 6 6 1 8 5**-5-**

Sl. No.	Conditions	Compliance
		CTE Ref. No. JSPCB/HO/RNC/CTE-17713231/2024/177 dt.31.03.2024 for increasing installed production capacity from 39000 TPA to 67000 TPA through equipment with or without change in raw material mix, equipment and process optimization. Copy of the said certificate has been submitted vide EC compliance report for the period ending on 31.03.2024. Optimization of machineries has been completed as per our proposal and CTE granted.
iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The gaseous emissions conform as per standards notified by this Ministry. Online stack dust concentration (PM), CO, NO _x monitoring system, SO ₂ Analyzer & Water Flow Meter with Camera with 24x7 days connectivity to JSPCB and CPCB server are already installed and are kept in operation. Offline AAQ parameters (12) are being monitored by NABL accredited laboratory. Monitoring Reports for the compliance operational period are enclosed .
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to the Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	As per guidance of JSPCB/MoEF, Ambient Air Quality Monitoring at four points and stack emission monitoring by NABL Laboratory is being done regularly. Monitoring report to the Ministry Regional Office including SPCB/CPCB is being submitted. AAQ Monitoring Reports for the compliance operational period are enclosed herewith also with a copy to SPCB/CPCB.
v.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Our MBF plant is a dry processed except water use for cooling of hot pig iron, furnace and slag. The cooling water is kept in a closed circuit and reused again and again. No industrial waste water generated and discharged outside premises. We strictly maintain 'Zero Discharge' norm of water pollution control.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	We have provided noise level control system at all noise generation sources to keep the noise level within the prescribed limit. Noise monitoring report is submitted regularly. NL Monitoring Report for the compliance operational period are enclosed . Results are within prescribed limit.

**B A L M U K U N D****SPONGE & IRON PVT. LTD.
(M E G A D V N .)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
P H O N E : 0 6 5 3 2 - 2 5 0 5 9 7
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
C I N : U 2 7 3 1 0 W B 1 9 9 9 P T C 2 6 6 1 8 5

-6-

Sl. No.	Conditions	Compliance
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers is done by arranging medical camp on yearly basis and records maintained as per Factory Act.
viii.	The Company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Surface rain water harvesting is done. A chain of drain including reservoir of adequate capacity has been provided. Rain water so collected is used in greenbelt development and dust suppression. Roof top rain water harvesting for recharging the ground water is already implemented to maintain ground water table.
ix.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in EIA/EMP report. Further, the Company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care, etc.	Please refer Specific Condition (xiii). We comply all environmental protection measures and safeguards as per EIA/EMP report and also providing jobs to local people resulting socio-economic development including community and educational development in surrounding villages, providing drinking water supply and health care, etc.
x.	Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	We have already incurred earmarked amount Rs.151.00 Lakh (Fixed) and fulfilled the conditions. Annual recurring expenditure comprising environmental monitoring, Running cost of Pollution Control Equipment, Greenbelt maintenance, cleaning of approach road as fixed has been incurred as per requirement. Detail as Annexure-1 is enclosed.
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchyat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied much earlier. EC copy is available on our website for other bodies and public.
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Bhubaneswar, the respective	We are uploading status of compliance of Environmental Clearance conditions along-with all monitoring data issued by NABL laboratory on Company's website and also submitting to your good-self. Test Reports for the compliance operational period are enclosed. The criteria pollutant levels namely; PM ₁₀ , CO, SO ₂ and

**B A L M U K U N D****SPONGE & IRON PVT. LTD.
(M E G A D V N .)**HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
P H O N E : 0 6 5 3 2 - 2 5 0 5 9 7
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
C I N : U 2 7 3 1 0 W B 1 9 9 9 P T C 2 6 6 1 8 5

-7-

Sl. No.	Conditions	Compliance
	Zonal Office of CPCB and the CECB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ and NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at the convenient location near the main gate of the Company in the public domain.	NO _x (ambient levels as well as stack emissions) is monitored online with connectivity to SPCB, CPCB servers and also displayed at our main gate in public domain.
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	We submitted six monthly compliance reports regularly in the past. Status of the compliances for this compliance operational period including all monitored data (in hard copies) are being submitted to the Regional Office of MoEF & CC and the concerned CPCB / SPCB.
xiv.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the Company along-with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF at Bhubaneswar by e-mail.	The environmental statement for financial year ending 31 st March, 2025 submitted to the State Pollution Control Board by Speed Post and also uploaded on the website of the Company. Copy of the said Environmental Statement is enclosed herewith for your reference and record.
xv.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Bhubaneswar.	Complied much earlier.
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Already complied much earlier. It is a running unit from 14 th November, 2010. Financial closure of our unit is 12.11.2010.

REGD. OFFICE : 18, R. N. MUKHERJEE ROAD, (1ST FLOOR), KOLKATA-700 001, PH.: 4032 5000
WORKS : AT- CHATRO. TUNDI ROAD, P.O.: GADISRIRAMPUR, GIRIDIH - 815 302, PH.: (06532) 244162, 244163, FAX : 244062
PATNA OFFICE : 603, SHANTIKUNJ APARTMENT, CHHAJJUBAGH, PATNA - 800 001(BIHAR), PH.: 0612-2322388/488

All Disputes are Subject to Patna (Bihar) jurisdiction only

**BALMUKUND****SPONGE & IRON PVT. LTD.
(MEGA DIVN.)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
PHONE : 06532-250597
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
CIN : U27310WB1999PTC266185

-8-

This is again to state here that we have installed all necessary pollution control equipment in our plant and online stack dust concentration (PM) monitoring system, CO, NO_x monitoring system, SO₂ Analyzer, Water Flow Meter with Camera and also online AAQ monitoring within the premises with 24x7 days connectivity to JSPCB and CPCB servers.

Further instruction/direction, if any, in this regard is highly solicited which will be complied at our end promptly.

Thanking you,
Yours faithfully,

For **Balmukund Sponge & Iron Pvt. Ltd.**

Santosh Kumar

Authorized Signatory



Encl: As above

CC: The Member Secretary, JSPCB, T.A. Division Bldg. (Ground Floor), HEC Complex, Dhurwa, Ranchi-834004.
CC: The Regional Officer, JSPCB, PTC Chowk, Hazaribagh (Jharkhand)-825301.
CC: The Zonal Office, CPCB, Southern Conclave, Block 502, 5th and 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700107

EW069241638IN IVR:6987069241638
SP REC KOLKATA RMS <700001>
Counter No:3,30/05/2025,13:47
To:THE ZONAL OFFICE,CPCB
PIN:700107, Madurdaha SO
From:BALMUKUND S.18 R N M ROAD
Wt:147gms
Amt:29.50,Tax:4.50,Amt.Paid:30.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002664848>Wear mask -Stay safe>

EW069241624IN IVR:6987069241624
SP REC KOLKATA RMS <700001>
Counter No:3,30/05/2025,13:47
To:THE MEMBER SECRETARY,JSPCB
PIN:834004, Dhurwa SO
From:BALMUKUND S.18 R N M ROAD
Wt:148gms
Amt:47.20,Tax:7.20,Amt.Paid:47.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002664848>Wear mask -Stay safe>

EW069241607IN IVR:6987069241607
SP REC KOLKATA RMS <700001>
Counter No:3,30/05/2025,13:47
To:THE REGIONAL OFFICER ,JSPCB
PIN:825301, Hazaribagh HO
From:BALMUKUND S.18 R N M ROAD
Wt:147gms
Amt:47.20,Tax:7.20,Amt.Paid:47.00(Cash)
<Track on www.indiapost.gov.in>

REGD. OFFICE : 18, R. N. MUKHERJEE ROAD, (1ST FLOOR), KOLKATA-700 001, PH.: 4032 5000
WORKS : AT- CHATRO. TUNDI ROAD, P.O.: GADISIRAMPUR, GIRIDIH - 815 302, PH.: (06532) 244162, 244163, FAX : 244062
PATNA OFFICE : 603, SHANTIKUNJ APARTMENT, CHHAJJUBAGH, PATNA - 800 001(BIHAR), PH.: 0612-2322388/488
All Disputes are Subject to Patna (Bihar) jurisdiction only

**BALMUKUND****SPONGE & IRON PVT. LTD.
(MEGA DIVN.)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
PHONE : 0 6 5 3 2 - 2 5 0 5 9 7
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
CIN : U 2 7 3 1 0 W B 1 9 9 9 P T C 2 6 6 1 8 5

Annexure-1

Year	Recurring Expenditure for Environment Protection (MBF)	Amount Rs. In Lakh
2024-25 (October, 2024- March, 2025)	Environmental Monitoring	0.988
	Running Cost of Pollution Control Equipments	1.372
	Greenbelt Development	2.70
Total :		5.06

For Balmukund Sponge & Iron Pvt. Ltd.

(Mega Div.)



Authorized Signatory

**B A L M U K U N D****SPONGE & IRON PVT. LTD.
(M E G A D V N .)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
P H O N E : 0 6 5 3 2 - 2 5 0 5 9 7
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
C I N : U 2 7 3 1 0 W B 1 9 9 9 P T C 2 6 6 1 8 5

Annexure-2

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

CREP conditions & compliance :

1. Coke Oven Plant : We do not have coke oven plant in the premises.
2. Pig Iron Plant:
 - a) Control of fugitive emission : To minimize fugitive emission we have concreted shop floor, RM & Finished goods shed, also installed Dust catcher, bag filter, dry fog systems, fixed type water sprinklers. Besides, manual water sprinkling (by water Tankers) is also done on the floor of the work-shop and approach roads of transportation. Fixed type water sprinklers along the constructed concrete roads have been provided. Roads are kept clean and wet. Raw material like iron ore, beneficiated iron ore, coke and dolomite, lime stone, etc. and finished product i.e. pig iron and wastage namely pig slag all are kept under shed separately.
 - b) Direct Inject of reducing agents : Our plant i.e. Blast Furnace is already based on technology of direct inject of reducing agents.
 - c) Solid Waste/Hazardous Waste Management: 100% generated BF granulated Slag (pig slag) is sold to the cement manufacturers on demand. Need not to study the possibility of slag transportation back into abandoned mines to fill the cavities. We do not generate tar sludge/ETP sludge. No hazardous waste is generated from this end. Hazardous waste in form of burnt mobil oil received from DG Set is used in smoothening of machineries. We have obtained Hazardous Waste Authorization from JSPCB for disposing burnt mobil oil in the manner described.
 - d) Water Conservation / Water Pollution : Rain water is harvested to meet out the water requirement during lean season. Roof top rain water is recharged to ground to maintain the ground water table. We consume water for cooling of hot product (Pig Iron) during operational period only. Cooling water is kept in closed circuit and reused again and again. Domestic waste water is treated by septic tank followed by soak-pit and reused in dust suppression and greenbelt development. Ground water consumption is less than the prescribed standard for the steel plant. We have provided Roof Top Rain Water and Surface Rain Water Harvesting System. Only balance required water is abstracted from ground. No water pollution exists in our plant. We strictly maintain 'Zero Discharge' norm.

**BALMUKUND****SPONGE & IRON PVT. LTD.
(M E G A D V N .)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
PHONE : 06532-250597
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
CIN : U27310WB1999PTC266185

- e) Installation of Continuous Stack Monitoring System: We have installed continuous online stack monitoring system for dust emission(PM) monitoring, CO, NOx, SO₂ analyzer and PM₁₀ (AAQ) and Water Flow Meter with Camera with 24 x 7 days connectivity to JSPCB and CPCB servers. Continuous data transmitted to JSPCB and CPCB server during compliance operational period.
- f) Housekeeping is being maintained in good condition by placing goods at appropriate places.
- g) To operate existing Pollution Control Equipment efficiently and to keep proper record of run hours, failure time and efficiently with immediate effect : GCP is installed and works properly. Energy meter (installed separately for GCP) reading is taken day to day and record maintained. Stack emission monitoring is being done online by connecting system 24x7 days to CPC and SPC Board's servers and manually by NABL laboratory. Manual monitoring reports for 03rd quarter of the year 2024-25 for stack emission monitoring are enclosed with the compliance report. Results are within the prescribed limit. EC Compliance Report alongwith quarterly monitoring test reports is also being submitted to CPCB and JSPCB half-yearly.

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



Sanjib Kumar
Authorized Signatory



सत्यमेव जयते



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

PROJECT NAME M/S BALMUKUND SPONGE AND IRON LTD.

PROJECT ADDRESS M/S BALMUKUND SPONGE AND IRON LTD. POST -
GADDI-SHRIRAMPUR

PIN CODE 815302

STATE JHARKHAND

DISTRICT GIRIDIH

TOWN/BLOCK
GIRIDIH

COMMUNICATION ADDRESS Village-Manjhiladih, P.O. Gadisirampur

ADDRESS OF CGWB REGIONAL OFFICE 6th& 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer
Road, Dak Banglow, Patna- 800011, Bihar.

- | | |
|--|---|
| 1. NOC NO. NOC/IND/JH/2024/656/R-4/4 | 2. DATE OF ISSUANCE 24/03/2025 |
| 3. APPLICATION NO. IND/JH/2024/656/R-4 | 4. APPLICATION TYPE Industry |
| 5. PROJECT STATUS Existing Project | 6. NOC TYPE Renew |
| 7. VALID FROM 04/03/2025 | 8. VALID UP TO 03/03/2028 |
| 9. WATER QUALITY TYPE Fresh Water | 10. AREA TYPE CATEGORY Semi Critical (GWRE - 2024) |

11. Ground Water Abstraction Permitted

GW Abstraction		Dewatering		Total	
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year
120.00	43800.00	0.00	0.00	120.00	43800.00

12. Details of Ground Water Abstraction /Dewatering Structures

EXISTING 2					PROPOSED 2					TOTAL 4				
DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu
0	0	2	0	0	0	0	2	0	0	0	0	4	0	0

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

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

Phase I (within 30 days)

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

Phase II (after 11 months)

1. Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

2. Construction of purpose-built observation wells (piezometers) for ground water level monitoring is mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the notified guidelines.

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

Phase III (Biennial)

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

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

General Conditions:

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

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

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

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

**BALMUKUND****SPONGE & IRON PVT. LTD.
(MEGA DIVN.)**

HEAD OFFICE : NEAR VISHWANATH NURSING HOME
BAJRANG CHOWK, AT-BARMASIA, DIST/PO.: GIRIDIH-815301
PHONE : 06532-250597
E-mail : balmukund.sponge@gmail.com
Website : www.balmukund.com
CIN : U27310WB1999PTC266185

EW2512530041H IUR:6967251253004
SP REC KOLKATA RMS (700001)
Counter No:3, 26/04/2025, 13:34
To: THE MEMBER SECRETARY, DHURWA
PIN:834004, Dhurwa SO
From: B&I P LTD, KOLKATA
Wt: 32gms
Amt: 41.30, Tax: 6.30, Amt. Paid: 41.00 (Cash)
(Track on www.indiapost.gov.in)

26th April, 2025

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 : 2024-25

Sir,

We are submitting hereto attached Environmental Statement (Form V) for the Financial Year 2024-25 for your needful.

Thanking you,

Yours faithfully,

For **Balmukund Sponge & Iron Pvt. Ltd.**

Manager

Encl: As above.



REGD. OFFICE : 18, R. N. MUKHERJEE ROAD, (1ST FLOOR), KOLKATA-700 001, PH.: 4032 5000
WORKS : AT- CHATRO. TUNDI ROAD, P.O.: GADISRIRAMPUR, GIRIDIH - 815 302, PH.: (06532) 244162, 244163, FAX : 244062
PATNA OFFICE : 603, SHANTIKUNJ APARTMENT, CHHAJJUBAGH, PATNA - 800 001(BIHAR), PH.: 0612-2322388/488
All Disputes are Subject to Patna (Bihar) jurisdiction only

Environment Statement for the Financial Year ending the 31st March, 2025

PART - A

- 1) Name & Address of the owner/occupier of the industry operation or process : Pradeep Kumar Sahewal
Balmukund Sponge & Iron 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 - 110 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 - 14.11.2010
Iron Ore (Beneficiated)- 20.01.2016
- 5) Date of the last environmental statement submitted : 02.05.2024

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	0.889	0.869
2. Scrap of Iron & Steel		0.078	0.020
3. Pig Iron		0.191	0.233
4. Silico Manganese		0.014	0.014
5. Carbon Fines/CPC		0.000	0.000
1. M.S. Ingot/Billet	TMT Rod	1.005	1.024
1. Iron Ore	Pig Iron	1.696	1.449
2. Hard Coke		0.838	0.770
3. Dolomite/Quartz		0.230	0.190
4. Lime Stone		0.230	0.120
5. Iron Pellet		0.042	0.261
6. Iron Ore Fines		0.105	0.080

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 Iron Ore	1.315	1.034
2. Induction Slag	Iron Metal	12.52	12.508

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)	410	445

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	19751735*	22202460*
ii) From MBF unit – Slag	7743454**	9042940**
iii) Beneficiation of Iron Ore(Soil)	0	0
b) From Pollution Control facilities	9296	10870
c) Quantity recycled or re-utilized		
1)Sold -MBF unit(Pig) Slag	Sold-8489265**	Sold-7793400**
2)From Pollution Control facilities(Pig)	Reused in MBF-9296	Reused in MBF-10870
a) Disposal		
Induction slag	Crushing-12591790 Kg; Used in land filling within premises-12772430 Kg, C/B-9461240 Kg*. Crushed Waste/Dust 11586330 Kg Given Free of cost to brick manufacturers	*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.
Washing Slurry- to brick manufacturer	0	0

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 PM₁₀, 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 PM 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.

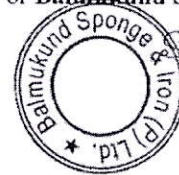
The additional measure will be adopted after study and on advice of the Jharkhand State Pollution Control Board/MoEF/CPCB.

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 roads 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 & Iron Pvt. Ltd.
(Mega Division)



Santosh Kumar
Manager

KALYANI LABORATORIES PVT.LTD.

Kalyani Laboratories

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-752101, ODISHA

+91 9861463904 M: kalyanilab@yahoo.co.in



TEST REPORT

NABL ULR NO : TC1206325000008404

Test Report No : KLPL/12/24/ENVN/00405

Issue Date : 06-Jan-2025

Reference :

Customer Name :

BALMUKUND SPONGE & IRON (P) LIMITED (MEGA DIVISION- MBF)

Address :

AT-CHATRO, TUNDI ROAD, GIRIDIH, JHARKHAND

Date of receipt :

30-Dec-2024

Commenced On:

30-Dec-2024

Completion On:

03-Jan-2025

Sample Name : AMBIENT AIR QUALITY MONITORING

Sample Condition :

GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED/FILTER PAPER SEALED IN ZIP LOCK POLYTHENE BAG

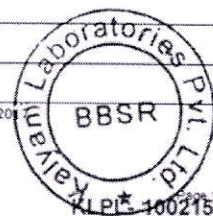
Sample Collected By :

MR. SUDHIR KUMAR BARIK

Ref.To Sampling Procedure:

KLPL/QSP-07 & KLPL/QSP/AIR-19

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR ADMINISTRATIVE OFFICE BUILDING, DT- 27.12.2024 TO 28.12.2024				
Sulphur Dioxide	µg/m ³	80	18.50	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	33.00	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m ³	100	80.00	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m ³	60	47.00	KLPL/SOP/AIR-02, ISSUE NO.1:2017
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.54	KLPL/SOP/AIR-19 : 2019
Ozone (O3) (01 Hrs.)	µg/m ³	180	28.00	KLPL/SOP/AIR-13, ISSUE NO.1:2019
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Ammonia (NH3)	µg/m ³	400	28.00	KLPL/SOP/AIR-05, ISSUE NO.1:2017
Nickel (Ni)	ng/m ³	20	4.4	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Benzo (a) Pyrene (BaP)	ng/m ³	01	<0.1	KLPL/SOP/AIR-07, Issue No.01: 2019
Arsenic (As)	ng/m ³	06	<1.0	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Location & Date : NEAR ELECTRIC SUB STATION, DT- 27.12.2024 TO 28.12.2024				
Sulphur Dioxide	µg/m ³	80	20.00	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	36.00	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m ³	100	87.00	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m ³	60	52.00	KLPL/SOP/AIR-02, ISSUE NO.1:2017
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.58	KLPL/SOP/AIR-19 : 2019
Ozone (O3) (01 Hrs.)	µg/m ³	180	32.00	KLPL/SOP/AIR-13, ISSUE NO.1:2019
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Ammonia (NH3)	µg/m ³	400	22.00	KLPL/SOP/AIR-05, ISSUE NO.1:2017
Nickel (Ni)	ng/m ³	20	4.80	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Benzo (a) Pyrene (BaP)	ng/m ³	01	<0.1	KLPL/SOP/AIR-07, Issue No.01: 2019
Arsenic (As)	ng/m ³	06	<1.0	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Location & Date : NEAR LABOUR REST ROOM, DT- 27.12.2024 TO 28.12.2024				
Sulphur Dioxide	µg/m ³	80	18.70	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	35.00	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m ³	100	83.00	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m ³	60	48.00	KLPL/SOP/AIR-02, ISSUE NO.1:2017



KALYANI LABORATORIES PVT.LTD.

Kalyani Laboratories

PLOT NO-78/944, MILLENIUM CITY PATHAL, BHUBANESWAR-752101, ODISHA

+91 9861463904 M: kalyanilab@yahoo.co.in



TEST REPORT

TC-12063

NABL ULR NO : TC120632500008404

Test Report No : KLPL/12/24/ENVN/00405

Issue Date : 06-Jan-2025

Reference :

Customer Name :

BALMUKUND SPONGE & IRON (P) LIMITED (MEGA DIVISION- MBF)

Address :

AT-CHATRO, TUNDI ROAD, GIRIDIH, JHARKHAND

Date of receipt :

30-Dec-2024

Commenced On : 30-Dec-2024

Completion On: 03-Jan-2025

Sample Name : AMBIENT AIR QUALITY MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED/FILTER PAPER SEALED IN ZIP LOCK POLYTHENE BAG

Sample Collected By : MR. SUDHIR KUMAR BARIK

Ref.To Sampling Procedure : KLPL/QSP-07 & KLPL/QSP/AIR-19

Parameters	Unit	Standard Value	Results	Test Method
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.56	KLPL/SOP/AIR-19 :2019
Ozone (O3) (01 Hrs.)	µg/m ³	180	30.00	KLPL/SOP/AIR-13, ISSUE NO.1:2019
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Ammonia (NH3)	µg/m ³	400	21.00	KLPL/SOP/AIR-05, ISSUE NO.1:2017
Nickel (Ni)	ng/m ³	20	4.20	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Benzo (a) Pyrene (BaP)	ng/m ³	01	<0.1	KLPL/SOP/AIR-07, ISSUE NO.1:2019
Arsenic (As)	ng/m ³	06	<1.0	KLPL/SOP/AIR-10, ISSUE NO.1:2017

Location & Date : NEAR WESTERN BOUNDARY, DT- 27.12.2024 TO 28.12.2024

Sulphur Dioxide	µg/m ³	80	17.40	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m ³	80	31.60	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m ³	100	78.00	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m ³	60	45.00	KLPL/SOP/AIR-02, ISSUE NO.1:2017
Carbon Monoxide (CO) (01 Hrs.)	mg/m ³	04	0.50	KLPL/SOP/AIR-19 :2019
Ozone (O3) (01 Hrs.)	µg/m ³	180	26.00	KLPL/SOP/AIR-13, ISSUE NO.1:2019
Lead (Pb)	µg/m ³	1.0	<0.02	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Ammonia (NH3)	µg/m ³	400	18.00	KLPL/SOP/AIR-05, ISSUE NO.1:2017
Nickel (Ni)	ng/m ³	20	<4.0	KLPL/SOP/AIR-10, ISSUE NO.1:2017
Benzo (a) Pyrene (BaP)	ng/m ³	01	<0.1	KLPL/SOP/AIR-07, ISSUE NO.1:2019
Arsenic (As)	ng/m ³	06	<1.0	KLPL/SOP/AIR-10, ISSUE NO.1:2017

Remarks : NIL

Any unusual feature observed during determination : NIL
Requirement is as per standard specification NAAQS:2009

Analysed By

Mr Digambar Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorised Signatory

Dr. Rekha Nayak
For Kalyani Laboratories Pvt. Ltd.

End of Test Report

KLPL- 10021554B

KALYANI LABORATORIES PVT.LTD.

Kalyani Laboratories

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-752101, ODISHA

+91 9861463904 M: kalyanilab@yahoo.co.in



TEST REPORT

TC-12063

NABL ULR NO : TC1206325000008394

Test Report No : KLPL/12/24/WATER/02154

Issue Date : 06-Jan, 2025

Reference :

Customer Name : BALMUKUND SPONGE & IRON (P) LIMITED (MEGA DIV.)

Address : At.: CHATRO - TUNDI ROAD, GIRIDIH, JHARKHAND

Date of receipt : 30-Dec, 2024 Test Commenced On: 30-Dec, 2024 Test Completion On: 02-Jan, 2025

Sample Description : WASTE WATER

Sample Condition : HDPE PLASTIC BOTTLE

Sample Identification : DOMESTIC EFFLUENT WATER

Sampling Date: 29-Dec, 2024

Batch No , Lot No : NA

MFG Date : NA

EXP Date : NA

Received Quantity : 1LTR X 1 NO

Place of Collection : OUTLET OF OFFICE BUILDING

Sample Collected By : MR. SUDHIR KUMAR BARIK


Ref. To Sampling Procedure: KLPL/QSP-07

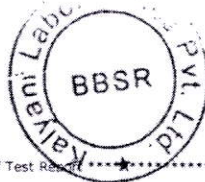
Parameters	Unit	Requirement	Result	Test Method
CHEMICAL PARAMETER				
i Oil & Grease	mg/l	-	<1.0	APHA 24th Edition (2550B), 2023
ii Total Dissolved Solid	mg/l	-	228	APHA 24th Edition (2540 C), 2023
iii Chemical Oxygen Demand	mg/l	-	33	APHA 24th Edition (5220 B), 2023
iv Biochemical Oxygen Demand(For 3 days 27deg C)	mg/l	-	12	APHA 24th Edition (5210 B), 2023
v Total Suspended Solids	mg/l	-	24	APHA 24th Edition (2540 D), 2023
PHYSICAL PARAMETER				
i Color	True col. Unit	-	<1.0	APHA 23rd Edition (2120 B), 2017
ii pH Value	---	-	7.25	APHA 23rd Edition (4500-H+-B), 2017

Remarks : NIL

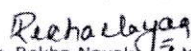
Any unusual feature observed during determination : NIL

Analysed By


Mr. Digambar Arukha
For Kalyani Laboratories Pvt. Ltd



Authorized Signatory


Dr. Rekha Nayak
For Kalyani Laboratories Pvt. Ltd

End of Test Report

KALYANI LABORATORIES PVT. LTD.

Kalyani Laboratories

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-752101.

+91 9861463904 M: kalyanilab@yahoo.co.in



TEST REPORT

TC-12063

NABL ULR NO : TC120632500008405A
Test Report No : KLPL/12/24/ENVN/00437A **Issue Date** : 06-Jan-2025
Amendment No : - **Amendment Date** : -
Reference : -
Customer Name : BALMUKUND SPONGE & IRON PVT LTD (MEGA DIVISION)
Address : (MBF UNIT), AT- CHATRO - TUNDI ROAD, DISTRICT- GIRIDIH, JHARKHAND
Date of receipt : 30-Dec, 2024 **Commenced On:** 30-Dec, 2024 **Completion On:** 30-Dec, 2024
Sample Name : NOISE (DAY TIME)
Sample Condition : -
Sample collected by : MR. SUDHIR KUMAR BARIK
Ref. To Sampling Procedure: KLPL/NOISE/SOP-23

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR ADMINISTRATIVE OFFICE BUILDING, DT- 27.12.2024				
Noise Level Indl. Area (Day)	dB(A)	75	63.9	IS 9989:1981 (RA 2014)
Location & Date : NEAR RAW MATERIAL YARD (MBF UNIT), DT- 27.12.2024				
Noise Level Indl. Area (Day)	dB(A)	75	62.7	IS 9989:1981 (RA 2014)
Location & Date : NEAR PIG IRON MANUFACTURING UNIT, DT- 27.12.2024				
Noise Level Indl. Area (Day)	dB(A)	75	66.5	IS 9989:1981 (RA 2014)
Location & Date : NEAR LABOUR REST ROOM, DT- 27.12.2024				
Noise Level Indl. Area (Day)	dB(A)	75	63.2	IS 9989:1981 (RA 2014)

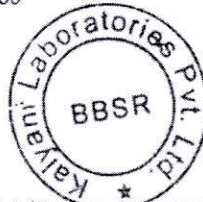
Remarks : NIL

Any unusual feature observed during determination : NIL
Requirement Is As Per Standard Specification Noise Rule 2000

Analysed By

D Arukha

Mr. Digamber Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorised Signatory

Rekha Nayak
Dr. Rekha Nayak 21/01/2025
For Kalyani Laboratories Pvt. Ltd.

End of Test Report

KLPL- 10021591B



TEST REPORT

TC-12063

NABL ULR NO : TC1206325000008405A

Test Report No : KLPL/12/24/ENVN/00437A

Issue Date : 06-Jan-2025

Amendment No : -

Amendment Date : -

Reference : -

Customer Name : BALMUKUND SPONGE & IRON PVT LTD (MEGA DIVISION)

Address : (MBF UNIT), AT- CHATRO - TUNDI ROAD, DISTRICT- GIRIDIH, JHARKHAND

Date of receipt : 30-Dec, 2024 Commenced On: 30-Dec, 2024 Completion On: 30-Dec, 2024

Sample Name : NOISE (NIGHT TIME)

Sample Condition : -

Sample collected by : MR. SUDHIR KUMAR BARIK

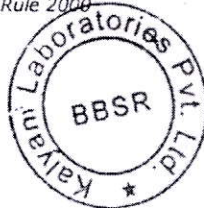
Ref. To Sampling Procedure: KLPL/NOISE/SOP-23

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR ADMINISTRATIVE OFFICE BUILDING, DT- 27.12.2024 & 28.12.2024				
Noise Level Indl. Area (Night)	dB(A)	70	62.3	IS 9989:1981 (RA 2014)
Location & Date : NEAR RAW MATERIAL YARD (MBF UNIT), DT- 27.12.2024 & 28.12.2024				
Noise Level Indl. Area (Night)	dB(A)	70	60.6	IS 9989:1981 (RA 2014)
Location & Date : NEAR PIG IRON MANUFACTURING UNIT, DT- 27.12.2024 & 28.12.2024				
Noise Level Indl. Area (Night)	dB(A)	70	65.1	IS 9989:1981 (RA 2014)
Location & Date : NEAR LABOUR REST ROOM, DT- 27.12.2024 & 28.12.2024				
Noise Level Indl. Area (Night)	dB(A)	70	61.4	IS 9989:1981 (RA 2014)

Remarks : NIL

Any unusual feature observed during determination : NIL
Requirement Is As Per Standard Specification Noise Rule 2000

Analysed By

Mr. Digamber Arukha
For Kalyani Laboratories Pvt. Ltd.

Authorised Signatory

Dr. Rekha Nayak
For Kalyani Laboratories Pvt. Ltd.

***** End of Test Report *****

TEST REPORT


Test Report No : KLPL/12/24/ENVN/00405A Issue Date : 06-Jan-2025
Amendment No : - Amendment Date : -
Reference : -
Customer Name : BALMUKUND SPONGE & IRON (P) LIMITED
Address : MEGA DIV. (MBF-PIG IRON PLANT) AT.: CHATRO-TUNDI ROAD, GIRIDIH, JHARKHAND
Date of receipt : 30-Dec-2024 Commenced On: 30-Dec-2024 Completion On: 01-Jan-2025
Sample Name : AIR QUALITY MONITORING (FUGITIVE DUST)
Sample Condition : FILTER PAPER SEALED IN ZIP LOCK POLYTHENE BAG
Sample Collected By : MR. SUDHIR KUMAR BARIK
Ref.To Sampling Procedure: KLPL/QSP-07

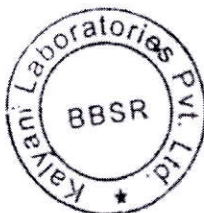
Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR LOADING POINT OF FINISHED PRODUCT YARD, DT- 28.12.2024				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	3000	1567	KLPL/SOP/AIR-11:2012
Location & Date : NEAR MBF PLANT WORK SHOP, DT- 28.12.2024				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	3000	1674	KLPL/SOP/AIR-11:2012
Location & Date : NEAR SOLID WASTE DUMP AREA, DT- 28.12.2024				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	3000	1620	KLPL/SOP/AIR-11:2012
Location & Date : NEAR UNLOADING POINT OF RAW MATERIAL YARD, DT- 28.12.2024				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	3000	1788	KLPL/SOP/AIR-11:2012

Remarks : Standard Specification as per G.S.R. 277(E), MOEF & CC, 31st March 2012


Any unusual feature observed during determination : NIL

Analysed By


Mr. Digamber Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorised Signatory


Dr. Rekha Nayak
For Kalyani Laboratories Pvt. Ltd.

***** End of Test Report *****

KALYANI LABORATORIES PVT.LTD.

Kalyani Laboratories

PLOT NO-78/944, MILLENNIUM CITY PAHAL, BHUBANESWAR-752101, ODISHA

+91 9861463904 M: kalyanilab@yahoo.co.in



TEST REPORT

NABL ULR NO : TC1206325000008406

TC-12063

Test Report No : KLPL/12/24/ENVN/00438

Issue Date : 06-Jan, 2025

Amendment No : -

Amendment Date : -

Reference : -

Customer Name : M/s Balmukund Sponge & Iron (Pvt.) Ltd (MEGA DIV.)

Address : At - Chatro - Tundi Road, Dist - Giridih, Jharkhand.

Date of receipt : 30-Dec, 2024 Commenced On : 30-Dec, 2024 Completion On: 03-Jan, 2025

Sample Name : FLUE GAS | STACK MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Sample Collected By : MR. SUDHIR KUMAR BARIK

Ref.To Sampling Procedure : KLPL/SOP/AIR-20 & KLPL/QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : Mini Blast Furnace Stack, DATE:28.12.2024				
Particulate Matter	mg/Nm ³	50	38	IS 11255(Part-1):1985,RA:2019
Oxides of Nitrogen	mg/Nm ³	--	21	KLPL/SOP/AIR-20:2019
Stack Temperature	Deg C	--	121	IS 11255(Part-1):1985,RA:2019
Velocity	m/sec	--	6.92	IS 11255(Part-1):1985,RA:2019
Sulphur Dioxide as SO ₂	mg/Nm ³	--	24	IS 11255(part-2):1985,RA:2019
*Weather condition	--	--	PARTLY CLOUDY	--
*Height of stack from ground level	In Meter	--	30	--
*Inner dimension of stack	In Meter	--	1.2	--
*Height of port hole	In Meter	--	12	--
Atmospheric temperature	Deg C	--	23	IS 11255(Part-1):1985,RA:2019
Volumetric flow rate	Nm ³ / hr	--	21292	IS 11255(Part-1):1985,RA:2019
Emission rate	kg/hr	--	0.81	IS 11255(Part-1):1985,RA:2019
*Name of fuel & quantity used per shift	--	--	Electricity (Electric Furnace)	--
*Production capacity	--	--	110 MT/day(Pig Iron)	--
*Stack attached to	--	--	Furnace through pollution control System (GCP & Bag Filter)	--

Remarks : Stack Temperature & Velocity (Not in NABL Scope of Testing)

Any unusual feature observed during determination :NIL

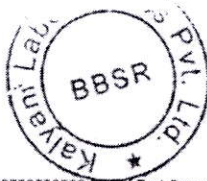
Requirement Is As Per Standard Specification CTO

* Additional information incorporated in the test report as per the requirement and data provided by the customer.

Analysed By

D. Arukha

Mr. Digamber Arukha
For Kalyani Laboratories Pvt. Ltd.



Authorised Signatory

Rekha Nayak
Dr. Rekha Nayak
For Kalyani Laboratories Pvt. Ltd.

***** End of Test Report *****

KLPL- 10021585B