

SIX MONTHLY COMPLIANCE REPORT
(APRIL 2022 - SEPTEMBER 2022)

F. No. J-11011/280/2007-IA II (I), Date 28.08.2007



IN RESPECT OF:

JAI BALAJI INDUSTRIES LIMITED

**ADDRESS: VILLAGE-BANSKOPA, PO: RAJBANDH,
DURGAPUR, DIST-PASCHIM BARDHMAN, WEST BENGAL.
PIN-713212**

April 2022 - September 2022

JAI BALAJI INDUSTRIES LIMITED

SIX MONTHLY COMPLIANCE REPORT

Name of the project: Expansion of Integrated Steel Plant (4,00,000 TPA) with Captive Power Plant (85 MW)

Clearance Vide letter no. : F. No. J-11011/280/2007-IA II (I), Date 28.08.2007

Period of Compliance: April 2022 - September 2022

INTRODUCTION

The project of Jai Balaji Industries Limited is located at Village-Banskopa, PO: Rajbandh, Durgapur, Dist-Paschim Bardhman, West Bengal. PIN-713212.

Jai Balaji Industries Limited was granted Environmental Clearance from GoI, MoEF & CC (Impact Assessment Division) Vide letter No F. No. J-11011/280/2007-IA II (I), Date 28.08.2007 for Expansion of Integrated Steel Plant (4,00,000TPA) with Captive Power Plant (85 MW) in Unit-IV.

As part of the compliance of statutory requirement environmental quality monitoring has been carried out by M/s Envirocheck, Kolkata, West Bengal. The detail regarding compliance is given herewith in the following pages for the six monthly period of April 2022 - September 2022.

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Sl. No.	A. SPECIFIC CONDITIONS :	COMPLIANCE STATUS
(i)	Effort shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted within three months for the reduction of SPM levels. On-line stack monitoring facilities for all the stacks and sufficient air pollution control systems viz. ESP, Bag Filter, etc. to control emissions from the Kiln and WHRB shall be provided to keep emission level below 50 mg/Nm ³ and reports submitted to the WBPCB and CPCB.	Befitting efforts are already made to reduce RSPM levels in the ambient air and an action plan has been created already for combating air pollution efficiently. The stack gas and ambient air quality status are regularly monitored and the latest Stack, Ambient, work zone air quality reports are attached as Annexure 1-3 . Sufficient air pollution control systems like ESP, Bag Filter, etc., are already installed to keep the emission level within the prescribed limit.
(ii)	Low NO _x burners shall be installed in bar and rod mills to reduce NO _x emissions and other Mill related furnaces. Hot fumes from SMS shall be collected by the fume extraction system and condensed through a condenser.	Installation of low NO _x burners are already done and utilized in bar & rod mills to reduce NO _x emissions.
(iii)	Total requirement of the water from Asansol Durgapur Development Authority (ADDA) shall not exceed 1,50,000 l/day as per prior "Permission" accorded by the ADDA. Effluent Treatment Plant (ETP) shall be installed for the treatment of process water. The treated wastewater from all the processes shall be	Total requirement of water from Asansol Durgapur Development Authority (ADDA) does not exceed the limit. Effluent treatment plant (ETP) is already installed within the factory premises. The treated wastewater is re-used and recycled for domestic purposes, for dust suppression, and green belt

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	recycled into the process to the maximum extent possible and reused either in the process or for dust suppression or green belt development. Domestic effluent shall be treated in Sewage Treatment Plant (STP) and used for dust suppression and green belt development.	development. Rainwater harvesting structure is also installed in the plant to ensure optimal water consumption. The latest Effluent and Drinking water test report is attached as Annexure 4 and 5.
(iv)	A time bound action plan shall be submitted within three months to reduce solid waste, its proper utilization and disposal.	Solid wastes generated in the plant are in form of scraps, coal fines are reused in the furnace. Fly ash is used in making of pavered block and bricks for internal use. MBF slag is sold to the nearest cement factory. ESP dust of power plant is reused. To ensure the reduction, optimal use, and disposal of solid waste suitable action is already being implemented.
(v)	All the Fly Ash from FBC Boilers shall be used in brick manufacturing at site itself and compliance to EIA Notification 1999 and subsequently amended in 2003 shall be strictly complied with. Bed ash from FBC steam generator shall be used for filling low-lying areas inside the plant premises. IF and LF slag shall be used for land filling. Mill scale generated during billet production shall be disposed as landfill in designated area. Dhanashyam and Parasias Mines shall be used for ash disposal. Char shall be used in FBC Boiler. Waste Oil shall be sold to	Fly ash is used in making of pavered block and bricks for internal use. Slag and Bottom ash are being used for Landfilling purposes.

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	recyclers or properly disposed off as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments	
(vi)	Green Belt shall be developed in 33% area within and around the plant premises as per the CPCB guideline in consultation with DFO.	Green belt is already developed as per the CPCB guidelines and the total planted area is 33%. Avenue plantation is also done within and around the premises..
Sl. No.	B. GENERAL CONDITIONS :	COMPLIANCE STATUS
i)	The project authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government	Being adhered as per the stipulation made by WBPCB and State Government. Consent to Operate obtained from WBPCB is attached as Annexure 7 .
(ii)	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	No further expansion or modification of the plant is carried out without prior approval of this Ministry.
(iii)	The gaseous emission from various process units shall conform to the load/mass based standards notified by the Ministry on 19 th May, 1993 and standards prescribed from time to time. The West Bengal Pollution Control Board (WBPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed	The gaseous emission from various process units doesn't exceed the standard limits. On-line monitoring system has been installed to determine the gaseous emission from different units. There is a provision for ESP in the plant premises to optimize the air pollution control and the emission level is maintained well within the prescribed limit. The reports are sent to the authorized body with due course of time.

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	standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	
(iv)	Gaseous emission levels including secondary fugitive emissions shall be controlled within the latest permissible limits issued by the Ministry, regularly monitored and records maintained. Guidelines/code of Practice issued by the CPCB shall be followed.	Gaseous emission levels including secondary fugitive emissions are kept well within permissible limits. There is a suitable provision for APC equipment and are well maintained to keep the emissions in control.
(v)	Dust Extraction System with Bag Filter shall be provided at various dust generating points. Dust Suppression System through water sprinkling shall be adopted in raw material handling area. In-plant control measures for checking fugitive emission from all the vulnerable sources shall be provided.	Dust Extraction System with Bag filters is already installed to arrest dust generation in the plant. Water sprinkler is used in the plant to control pollution due to dust generation. Truck carrying water is also used to reduce dust in the plant premises.
(vi)	Ambient Air Quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient Air Quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of Ambient Air Quality shall be carried out regularly in consultation with the WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for	Ambient Air Quality monitoring is conducted on regular basis to monitor air quality. The latest ambient air quality monitoring reports are attached in the Annexure 2 .

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	Ambient Air Quality monitoring shall be calibrated time to time.	
(vii)	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 level shall conform to the standards prescribed under Environmental (Protection) Act, 1986 rules, 1989 viz 75dBA (day time) and 70 dBA (night time)	The overall noise levels were monitored at various locations and are maintained within the prescribed limit. The latest reports are attached in Annexure 6 .
(viii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factory Act.	Occupational health surveillance of the workers is being done regularly and records are maintained.
(ix)	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	All the environment management measures given in the EIA/EMP are being implemented and complied with.
(x)	All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) of CPCB issued for the steel plants shall be implemented.	ALL the Recommendations in the Corporate Responsibility for Environmental Protection (CREP) are strictly followed.
(xi)	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground watertable.	Rain water harvesting structures are already installed to harvest the rain water.
(xii)	Proper housekeeping and adequate occupational health programmes shall be	Proper Housekeeping and Occupational health programmes are being taken.

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	taken up.	
(xiii)	The company shall undertake eco-development measures including community welfare measures in the project area.	The proponent has already undertaken eco-development measures.
(xiv)	A separate Environmental Management Cell to carry out various management and monitoring functions shall be set up under the control of Senior Executives.	Environment Management cell is established for dealing with the different monitoring functions and control of Environmental aspects.
(xv)	As mentioned in EIA/EMP, Rs 26.02 Crores allocated towards the environmental pollution control measures shall be used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	As mentioned in EIA/EMP, the amount has been designated for the pollution control measures. The fund is used to implement the conditions stipulated by the MoEF as well as the State Govt.
(xvi)	The Regional Office of this Ministry at Bhubaneswar/CPCB/WBPCB shall monitor the stipulated conditions. A 6 monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Six Monthly compliance reports are being submitted to the regional office of the ministry. All the data of environmental monitoring are attached as annexures to the compliance report.
(xvii)	The 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	Complied with.

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	commencing the land development work.	
(xviii)	<p>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 W. B. Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This should 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 shall be forwarded to the Regional office at Bhubaneswar.</p>	<p>The proponent has informed the public about the project regarding the environmental clearance. All the other stipulations made in the compliance condition are strictly followed. See Annexure 8.</p>

ANNEXURE 1



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/I	Report No.	:	ENV/68/Sep./TR(A)/I/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 1 & 2) (SMS) attached
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	15 MT/Heat/Furnace
Emission Due to	:	Melting of Scraps, Sponge Iron, Pig Iron etc.
Fuel Used	:	N.A. (Electrically Operated)
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Spark arrester & Bag Filter
Height of Stack (mtr.) (from G. L.)	:	30.0
Stack I.D. at sampling point (mtr.)	:	1.0
Height of sampling port (mtr.) (from G.L.)	:	17.0
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	67.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	9.56	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	23418.44	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	33.64	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
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Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/VI	Report No.	:	ENV/68/Sep./TR(A)/VI/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Duct Attached to	:	C.F.B.C Boiler (No.1 & 2) (CPP) (attached)
Shape of Duct	:	Circular
Materials of Construction	:	Concrete
Capacity	:	CFBC Boiler No.1 – 170 TPH CFBC Boiler No.2 – 85 TPH
Emission Due to	:	Combustion of Coal
Fuel Used	:	Coal
Working Fuel Consumption	:	90 MT/hr. (Only for CFBC Boiler No.1)
Pollution Control Device	:	E.S.P
Height of Stack (mtr.) (from G. L.)	:	100.0
Stack I.D. at sampling point (mtr.)	:	6.70
Height of sampling port (mtr.) (from G.L.)	:	--
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	139.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	11.97	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	1051598.85	N.A.
5.	Concentration of SO ₂ (at 6% O ₂)	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	354.05	600.0
6.	Concentration of NO _x (at 6% O ₂)	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec 11 (Vol. 11.07) : 2011	171.35	200.0
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	11.4	N.A.
8.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0	1.0
9.	a) Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) :	38.03	N.A.
	b) Concentration of Particulate Matter (at 6% O ₂)		Sec. 11 (Vol. 3 11.07) : 2011	38.54	50.0

Remarks : Limit as per New Environmental Regulation, MoEF & CC dated 7th December-2015.

: N.A. means Not Available.

: During monitoring only CFB Boiler No.1 was running.

Reviewed By :

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FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/VI	Report No.	:	ENV/68/Sep./TR(A)/VI/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Duct Attached to	:	C.F.B.C Boiler (No.1 & 2) (CPP) (attached)
Shape of Duct	:	Circular
Materials of Construction	:	Concrete
Capacity	:	CFBC Boiler No.1 - 170 TPH CFBC Boiler No.2 - 85 TPH
Emission Due to	:	Combustion of Coal
Fuel Used	:	Coal
Working Fuel Consumption	:	90 MT/hr. (Only for CFBC Boiler No.1)
Pollution Control Device	:	E.S.P
Height of Stack (mtr.) (from G. L.)	:	100.0
Stack I.D. at sampling point (mtr.)	:	6.70
Height of sampling port (mtr.) (from G.L.)	:	--
Permanent Platform & Ladder	:	Yes

B. RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of O ₂	% (v/v)	IS 13270 1992 RA 2003	6.2	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

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			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/II	Report No.	:	ENV/68/Sep./TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 3)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	15 MT/Heat/Furnace
Emission Due to	:	Melting of Scraps & Hot Metal
Fuel Used	:	N.A. (Electrically Operated)
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Spark arrester & Bag Filter
Height of Stack (mtr.) (from G. L.)	:	30.0
Stack I.D. at sampling point (mtr.)	:	1.0
Height of sampling port (mtr.) (from G.L.)	:	17.0
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	60.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	10.22	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	25561.46	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	36.61	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/III	Report No.	:	ENV/68/Sep./TR(A)/III/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 4 & 5) (attached)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	15 MT/Heat/Furnace
Emission Due to	:	Melting of Scraps & Hot Metal
Fuel Used	:	N.A. (Electrically Operated)
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter
Height of Stack (mtr.) (from G. L.)	:	30.0
Stack I.D. at sampling point (mtr.)	:	1.0
Height of sampling port (mtr.) (from G.L.)	:	17.0
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	70.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	9.61	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	23332.85	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	49.65	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

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Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/V	Report No.	:	ENV/68/Sep./TR(A)/V/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reheating Furnace (No. 2)
Shape of Stack	:	Circular
		Height of Stack (mtr.) (from G. L.) : 30.0
Materials of Construction	:	M.S.
		Stack I.D. at sampling point (mtr.) : 0.90
Capacity	:	40 TPH
		Height of sampling port (mtr.) (from G.L.) : 10.6
Emission Due to	:	Combustion of CBM (Coal Bed Methane)
Fuel Used	:	Coal Bed Methane
		Permanent Platform & Ladder : Yes
Working Fuel Consumption	:	50 Nm ³ /hr.
Pollution Control Device	:	Nil

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 222.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 14.68	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 20006.84	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 35.24	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 4.8	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 41.78	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/IV	Report No.	:	ENV/68/Sep./TR(A)/IV/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reheating Furnace (No. 1)
Shape of Stack	:	Circular
		Height of Stack (mtr.) (from G. L.) : 30.0
Materials of Construction	:	M.S.
		Stack I.D. at sampling point (mtr.) : 0.90
Capacity	:	20 TPH
		Height of sampling port (mtr.) (from G.L.) : 10.6
Emission Due to	:	Combustion of CBM (Coal Bed Methane)
Fuel Used	:	Coal Bed Methane
		Permanent Platform & Ladder : Yes
Working Fuel Consumption	:	25 Nm ³ /hr.
Pollution Control Device	:	Nil

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 198.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 13.60	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 19481.22	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 23.0	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 4.2	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 19.74	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/VII	Report No.	:	ENV/68/Sep./TR(A)/VII/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Stove of MBF (No.1)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.2	
Capacity	:	45 m ³	Height of sampling port (mtr.) (from G.L.)	:	20.0	
Emission Due to	:	Combustion of B. F. Gas				
Fuel Used	:	B. F. Gas	Permanent Platform & Ladder	:	Yes	
Working Fuel Consumption	:	2800 - 3000 Nm ³ /hr.				
Pollution Control Device	:	GCP consists Dust Catcher, Saturator, Venturi Scrubber & Cyclone Separator				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 282.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 15.55	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 32270.06	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 16.31	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 11.4	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 21.43	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/VIII	Report No.	:	ENV/68/Sep./TR(A)/VIII/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Stove of MBF (No.2)
Shape of Stack	:	Circular
		Height of Stack (mtr.) (from G. L.)
	:	30.0
Materials of Construction	:	M.S.
		Stack I.D. at sampling point (mtr.)
	:	1.2
Capacity	:	45 m ³
		Height of sampling port (mtr.) (from G.L.)
	:	20.0
Emission Due to	:	Combustion of B. F. Gas
Fuel Used	:	B. F. Gas
		Permanent Platform & Ladder
	:	Yes
Working Fuel Consumption	:	2800 - 3000 Nm ³ /hr.
Pollution Control Device	:	GCP consists Dust Catcher, Saturator, Venturi Scrubber & Cyclone Separator

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 290.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 14.86	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 30415.75	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 21.77	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 11.2	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 26.42	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/IX	Report No.	:	ENV/68/Sep./TR(A)/IX/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tape Hole Emission (No.1)
Shape of Stack	:	Circular
		Height of Stack (mtr.) (from G. L.)
	:	30.0
Materials of Construction	:	M.S.
		Stack I.D. at sampling point (mtr.)
	:	0.90
Capacity	:	--
		Height of sampling port (mtr.) (from G.L.)
	:	22.86
Emission Due to	:	During Processing
Fuel Used	:	N.A.
		Permanent Platform & Ladder
	:	Yes
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 73.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.60	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 18696.29	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 26.74	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/X	Report No.	:	ENV/68/Sep./TR(A)/X/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tape Hole Emission (No.2)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	--
Emission Due to	:	During Processing
Fuel Used	:	N.A.
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter
Height of Stack (mtr.) (from G. L.)	:	30.0
Stack I.D. at sampling point (mtr.)	:	0.90
Height of sampling port (mtr.) (from G.L.)	:	22.86
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	77.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	9.65	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	18577.15	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	26.54	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/XI	Report No.	:	ENV/68/Sep./TR(A)/XI/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.1 & 2) attached				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	40.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.60	
Capacity	:	16.5 MVA x 2	Height of sampling port (mtr.) (from G.L.)	:	21.5	
Emission Due to	:	Melting of Mn-Ore, Dolomite, Lime Stone				
Fuel Used	:	N.A. (Electricity Operated)	Permanent Platform & Ladder	:	Yes	
Working Fuel Consumption	:	Nil				
Pollution Control Device	:	Bag Filter & F.D. Cooler				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 89.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 10.63	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 165094.13	N.A.
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 28.58	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/XII	Report No.	:	ENV/68/Sep./TR(A)/XII/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.3)
Shape of Stack	:	Circular
		Height of Stack (mtr.) (from G. L.) : 40.0
Materials of Construction	:	M.S.
		Stack I.D. at sampling point (mtr.) : 2.60
Capacity	:	16.5 MVA
		Height of sampling port (mtr.) (from G.L.) : 21.5
Emission Due to	:	Melting of Mn-Ore, Dolomite, Lime Stone
Fuel Used	:	N.A. (Electricity Operated)
		Permanent Platform & Ladder : Yes
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter & F.D. Cooler

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 72.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 8.84	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 144072.34	N.A.
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 31.90	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	16.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/XIII	Report No.	:	ENV/68/Sep./TR(A)/XIII/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Briquetting Plant				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	21.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.8	
Capacity	:	--	Height of sampling port (mtr.) (from G.L.)	:	9.0	
Emission Due to	:	Combustion of Furnace Oil				
Fuel Used	:	Furnace Oil	Permanent Platform & Ladder	:	Yes	
Working Fuel Consumption	:	100 liter./hr.				
Pollution Control Device	:	Water Scrubber / Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	140.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	11.24	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	14212.35	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	45.71	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	6.0	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	41.78	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87]. 182.50
: N.A. means Not Available.

Reviewed By :

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Dy. Technical Manager, Chemical

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	16.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/XIV	Report No.	:	ENV/68/Sep./TR(A)/XIV/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G. - 1000 KVA (No.1) (Acoustic Enclosure attached)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	1000 KVA
Emission Due to	:	Combustion of H.S.D
Fuel Used	:	H.S.D
Working Fuel Consumption	:	130 - 140 liter./hr.
Pollution Control Device	:	Nil
Height of Stack (mtr.) (from G. L.)	:	8.53
Stack I.D. at sampling point (mtr.)	:	0.20
Height of sampling port (mtr.) (from G.L.)	:	Final Exhaust
Permanent Platform & Ladder	:	No

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	450.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	19.21	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	887.48	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	121.50	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	9.4	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	71.78	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: During monitoring temporary ladder and platform were provided.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	16.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/XV	Report No.	:	ENV/68/Sep./TR(A)/XV/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G. – 500 KVA (Acoustic Enclosure attached)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	500 KVA
Emission Due to	:	Combustion of H.S.D
Fuel Used	:	H.S.D
Working Fuel Consumption	:	50 – 60 liter./hr.
Pollution Control Device	:	Nil
Height of Stack (mtr.) (from G. L.)	:	7.0
Stack I.D. at sampling point (mtr.)	:	0.20
Height of sampling port (mtr.) (from G.L.)	:	Final Exhaust
Permanent Platform & Ladder	:	No

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	240.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	16.90	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	1100.15	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	71.28	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	8.0	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	64.47	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: During monitoring temporary ladder and platform were provided.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	16.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/XVI	Report No.	:	ENV/68/Sep./TR(A)/XVI/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G. - 380 KVA (No.4)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	380 KVA
Emission Due to	:	Combustion of H.S.D
Fuel Used	:	H.S.D
Working Fuel Consumption	:	50 - 55 liter./hr.
Pollution Control Device	:	Nil
Height of Stack (mtr.) (from G. L.)	:	6.0
Stack I.D. at sampling point (mtr.)	:	0.10
Height of sampling port (mtr.) (from G.L.)	:	Final Exhaust
Permanent Platform & Ladder	:	No

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	182.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	14.67	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	270.89	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	55.84	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	7.2	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	61.48	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: During monitoring temporary ladder and platform were provided.

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	16.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/68/Sep./A/XVII	Report No.	:	ENV/68/Sep./TR(A)/XVII/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G. – 320 KVA (No.2)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	320 KVA
Emission Due to	:	Combustion of H.S.D
Fuel Used	:	H.S.D
Working Fuel Consumption	:	40 - 45 liter./hr.
Pollution Control Device	:	Nil
Height of Stack (mtr.) (from G. L.)	:	6.0
Stack I.D. at sampling point (mtr.)	:	0.20
Height of sampling port (mtr.) (from G.L.)	:	Final Exhaust
Permanent Platform & Ladder	:	No

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	175.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	15.83	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	1179.90	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	62.47	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	7.0	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	51.79	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: During monitoring temporary ladder and platform were provided.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	12.07.2022
			Period of analysis	:	16.07.2022 – 16.07.2022
			Date of Issue	:	18.07.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/25/July/A/1	Report No.	:	ENV/25/July/TR(A)/I/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln (No.1 & 2) attached (DRI)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	100 TPD/Kiln
Emission Due to	:	Combustion of Coal & Reduction of Fe-Ore
Fuel Used	:	Coal
Working Fuel Consumption	:	4.1 MT/hr./Kiln
Pollution Control Device	:	E.S.P
Height of Stack (mtr.) (from G. L.)	:	30.0
Stack I.D. at sampling point (mtr.)	:	1.2
Height of sampling port (mtr.) (from G.L.)	:	25.0
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	156.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	9.92	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	19016.80	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	510.34	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	162.23	N.A.
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	11.0	N.A.
8.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0	1.0
9.	a) Concentration of Particulate Matter (at 11% CO ₂)	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	38.64	N.A.
	b) Concentration of Particulate Matter (at 12% CO ₂)			42.15	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: During monitoring both Kilns were running.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	12.07.2022
			Period of analysis	:	16.07.2022 – 16.07.2022
			Date of Issue	:	18.07.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/25/July/A/II	Report No.	:	ENV/25/July/TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln (No.3 & 4) attached to common stack DRI				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.2	
Capacity	:	100 TPD (each Kiln)	Height of sampling port (mtr.) (from G.L.)	:	25.0	
Emission Due to	:	Combustion of Coal & Reduction of Fe-Ore				
Fuel Used	:	Coal	Permanent Platform & Ladder	:	Yes	
Working Fuel Consumption	:	4.1 MT/hr./Kiln				
Pollution Control Device	:	E.S.P				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 163.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.74	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 21966.12	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 549.01	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	: 149.19	N.A.
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 11.6	N.A.
8.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
9.	a) Concentration of Particulate Matter (at 11.6% CO ₂)	mg/Nm ³		: 36.76	N.A.
	b) Concentration of Particulate Matter (at 12% CO ₂)		IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 38.02	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: During monitoring both Kilns were running.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	12.07.2022
			Period of analysis	:	16.07.2022 – 16.07.2022
			Date of Issue	:	18.07.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/25/July/A/III	Report No.	:	ENV/25/July/TR(A)/III/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Coal Crusher
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	--
Emission Due to	:	During Processing
Fuel Used	:	N.A.
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter
Height of Stack (mtr.) (from G. L.)	:	15.24
Stack I.D. at sampling point (mtr.)	:	0.45
Height of sampling port (mtr.) (from G.L.)	:	10.6
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	52.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	8.70	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	4547.02	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	14.46	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

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ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	12.07.2022
			Period of analysis	:	16.07.2022 – 16.07.2022
			Date of Issue	:	18.07.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/25/July/A/IV	Report No.	:	ENV/25/July/TR(A)/IV/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Product House
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	--
Emission Due to	:	During Processing
Fuel Used	:	N.A.
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter
Height of Stack (mtr.) (from G. L.)	:	15.24
Stack I.D. at sampling point (mtr.)	:	0.45
Height of sampling port (mtr.) (from G.L.)	:	10.6
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	50.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	9.23	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	4854.85	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	26.23	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	12.07.2022
			Period of analysis	:	16.07.2022 – 16.07.2022
			Date of Issue	:	18.07.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/25/July/A/V	Report No.	:	ENV/25/July/TR(A)/V/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Cooler Discharge
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	--
Emission Due to	:	During Processing
Fuel Used	:	N.A.
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter
Height of Stack (mtr.) (from G. L.)	:	15.24
Stack I.D. at sampling point (mtr.)	:	0.45
Height of sampling port (mtr.) (from G.L.)	:	10.6
Permanent Platform & Ladder	:	Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	63.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	10.17	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	5136.82	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	53.65	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

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ANNEXURE 2



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022 - 15.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/68/Sep./A/XVIII	Report No.	:	ENV/68/Sep./TR(A)/XVIII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Main Administrative Building
2. Duration of Sampling : 24 hrs. (09:30 a.m. - 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.22	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	89.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	18.08	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	36.51	80.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022 - 15.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/68/Sep./A/XIX	Report No.	:	ENV/68/Sep./TR(A)/XIX/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Main Gate (Western Side)
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	57.13	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	93.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	21.50	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	36.19	80.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022 - 15.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/68/Sep./A/XX	Report No.	:	ENV/68/Sep./TR(A)/XX/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Raw Materials Yard (Southern Side)
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.91	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	91.26	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	12.46	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	29.96	80.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022 – 16.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/68/Sep./A/XXI	Report No.	:	ENV/68/Sep./TR(A)/XXI/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Administrative Building (Ferro Div.) (Eastern Side)
2. Duration of Sampling : 24 hrs. (10:00 a.m. – 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	49.12	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	86.48	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	8.24	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	26.52	80.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022 - 16.09.2022
			Period of analysis	:	16.09.2022 - 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/68/Sep./A/XXII	Report No.	:	ENV/68/Sep./TR(A)/XXII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Power Plant Control Room (Northern Side)
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	51.27	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.12	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	11.85	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	30.04	80.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

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ANNEXURE 3



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXIII	Report No.	:	ENV/68/Sep./TR(A)/XXIII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Furnace Area (From 20 mtr.) (Ferro Div.)
2. Duration of Sampling : 08 hrs. (11:00 a.m. – 07:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 35.0
2. Average Relative Humidity (%) : 72.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	410.54	5000.0

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXIII	Report No.	:	ENV/68/Sep./TR(A)/XXIII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Furnace Area (From 20 mtr.) (Ferro Div.)
2. Duration of Sampling : 08 hrs. (11:00 a.m. – 07:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 35.0
2. Average Relative Humidity (%) : 72.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	212.63	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	21.70	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	34.27	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

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ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXIV	Report No.	:	ENV/68/Sep./TR(A)/XXIV/22-23

A] GENERAL INFORMATION

1. Location of Sampling : 15 mtr. Distance from WHRB & E.S.P
2. Duration of Sampling : 08 hrs. (11:30 a.m. – 07:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	361.16	5000.0

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
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ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXIV	Report No.	:	ENV/68/Sep./TR(A)/XXIV/22-23

A] GENERAL INFORMATION

1. Location of Sampling : 15 mtr. Distance from WHRB & E.S.P
2. Duration of Sampling : 08 hrs. (11:30 a.m. – 07:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	162.54	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	14.46	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	32.35	N.A.

Remarks : N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant			
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022			
			Period of analysis	:	16.09.2022 – 17.09.2022			
			Date of Issue	:	19.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXV	Report No.	:	ENV/68/Sep./TR(A)/XXV/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : 05 mtr. Distance from Control Room (Coke Oven Division)
2. Duration of Sampling : 08 hrs. (12:00 p.m. – 08:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0
2. Average Relative Humidity (%) : 78.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	320.52	5000.0

Remarks : Limit as per the Factory Act – 1948.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	14.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXV	Report No.	:	ENV/68/Sep./TR(A)/XXV/22-23

A] GENERAL INFORMATION

1. Location of Sampling : 05 mtr. Distance from Control Room (Coke Oven Division)
2. Duration of Sampling : 08 hrs. (12:00 p.m. – 08:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0
2. Average Relative Humidity (%) : 78.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	162.61	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	11.45	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	32.59	N.A.

Remarks : N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXVI	Report No.	:	ENV/68/Sep./TR(A)/XXVI/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Furnace Area (SMS)
2. Duration of Sampling : 08 hrs. (10:00 a.m. – 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	261.43	5000.0

Remarks : Limit as per the Factory Act – 1948.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXVI	Report No.	:	ENV/68/Sep./TR(A)/XXVI/22-23

A] GENERAL INFORMATION

- Location of Sampling : Near Furnace Area (SMS)
- Duration of Sampling : 08 hrs. (10:00 a.m. – 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

- Average Temperature (°C) : 34.0
- Average Relative Humidity (%) : 68.0
- Barometric Pressure (mm of Hg) : 751.0
- Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	146.73	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	12.05	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	36.19	N.A.

Remarks : N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXVII	Report No.	:	ENV/68/Sep./TR(A)/XXVII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Finished Goods Stock Yard (Rolling Mill)
2. Duration of Sampling : 08 hrs. (09:40 a.m. – 05:40 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.5
2. Average Relative Humidity (%) : 67.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	242.80	5000.0

Remarks : Limit as per the Factory Act – 1948.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXVII	Report No.	:	ENV/68/Sep./TR(A)/XXVII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Finished Goods Stock Yard (Rolling Mill)
2. Duration of Sampling : 08 hrs. (09:40 a.m. – 05:40 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.5
2. Average Relative Humidity (%) : 67.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	168.50	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	11.80	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	32.50	N.A.

Remarks : N.A. means Not Available.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXVIII	Report No.	:	ENV/68/Sep./TR(A)/XXVIII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inside the DRI Section
2. Duration of Sampling : 08 hrs. (10:15 a.m. – 06:15 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.5
2. Average Relative Humidity (%) : 66.5
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	246.50	5000.0

Remarks : Limit as per the Factory Act – 1948.

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Bardhaman, Pin - 713212	Sampling Date	:	15.09.2022
			Period of analysis	:	16.09.2022 – 17.09.2022
			Date of Issue	:	19.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/68/Sep./A/XXVIII	Report No.	:	ENV/68/Sep./TR(A)/XXVIII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inside the DRI Section
2. Duration of Sampling : 08 hrs. (10:15 a.m. – 06:15 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.5
2. Average Relative Humidity (%) : 66.5
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	156.80	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	12.80	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	34.50	N.A.

Remarks : N.A. means Not Available.

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ANNEXURE 4



ENVIROCHECK

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	14.09.2022
			Period of Analysis	:	16.09.2022 – 19.09.2022
			Date of Issue	:	21.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Industrial Effluent Water (Grab)
Location	:	E.T.P Inlet	Sample ID No.	:	ENV/18/Sep./W/I
			Report No.	:	ENV/18/Sep./TR(W)/I/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH value	4500 H+B APHA 23 rd Edition, 2017	-	7.13
2.	Total Suspended Solids	APHA 23 rd Ed., 2540 D : 2017	mg/l	140.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	9.2
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	646.8
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0
6.	Cyanide	APHA 23 rd Ed., D/E/F : 2017	mg/l	<0.01
7.	Phenolic Compound	APHA 23 rd Ed., 5530 – Phenols D : 2017	mg/l	0.80

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FORMAT NO.ENV/FM/40

TEST REPORT

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	14.09.2022
			Period of Analysis	:	16.09.2022 - 19.09.2022
			Date of Issue	:	21.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Industrial Effluent Water (Grab)
Location	:	E.T.P Inlet	Sample ID No.	:	ENV/18/Sep./W/I
			Report No.	:	ENV/18/Sep./TR(W)/I/22-23

SL.NO.	PARAMETER	TEST METHOD	UNIT	RESULT
1.	Total Dissolved Solids	IS 3025 (Part 16) : 1984 : 2014	mg/l	2680.0

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	14.09.2022
			Period of Analysis	:	16.09.2022 – 19.09.2022
			Date of Issue	:	21.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Industrial Effluent Water (Grab)
Location	:	E.T.P Outlet	Sample ID No.	:	ENV/18/Sep./W/II
			Report No.	:	ENV/18/Sep./TR(W)/II/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH value	4500 H+B APHA 23 rd Edition, 2017	-	6.84	5.5 – 9.0
2.	Total Suspended Solids	APHA 23 rd Ed., 2540 D : 2017	mg/l	20.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	5.1	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	147.0	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0	30.0
6.	Cyanide	APHA 23 rd Ed., D/E/F : 2017	mg/l	<0.01	0.2
7.	Phenolic Compound	APHA 23 rd Ed., 5530 – Phenols D : 2017	mg/l	<0.001	1.0

Remarks : Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

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FORMAT NO.ENV/FM/40

TEST REPORT

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	:	14.09.2022
			Period of Analysis	:	16.09.2022 - 19.09.2022
			Date of Issue	:	21.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Industrial Effluent Water (Grab)
Location	:	E.T.P Outlet	Sample ID No.	:	ENV/18/Sep./W/II
			Report No.	:	ENV/18/Sep./TR(W)/II/22 -23

SL. NO.	PARAMETER	TEST METHOD	UNIT	RESULT	LIMIT
1.	Total Dissolved Solids	IS 3025 (Part 16) : 1984 : 2014	mg/l	920.0	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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ANNEXURE 5



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)			Type of Industry	:	Steel Plant		
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212			Sampling Date	:	15.09.2022		
					Period of Analysis	:	16.09.2022 – 21.09.2022		
					Date of Issue	:	23.09.2022		
Sampling Plan & Procedure		:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Drinking Water
Location	:	Tap of Ferro Division			ULR No.	:	TC601422000000315P		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)	
					Acceptable	Permissible
1.	pH	IS 3025 (Part 11) : 1984, RA 2012	--	7.21	6.5-8.5	No Relaxation
2.	Total Hardness	IS 3025 (Part 21) : 2009, RA 2014	mg/l	300.0	200.0	600.0
3.	Calcium	IS 3025 (Part 40) : 1991, RA 2014	mg/l	88.17	75.0	200.0
4.	Magnesium	IS 3025 (Part 46) : 1994, RA 2014	mg/l	19.2	30.0	100.0
5.	Chloride	IS 3025 (Part 32) : 1988, RA 2014	mg/l	64.97	250.0	1000.0
6.	Iron	IS 3025(Part 53) : 2003, RA 2014	mg/l	0.38	1.0*	No Relaxation
7.	Boron	IS 13428: 2005, RA 2014, Annex H	mg/l	<0.1	0.5	1.0
8.	Sulfate	IS 3025 (Part 24) : 1986, RA 2014	mg/l	28.50	200.0	400.0
9.	Total Dissolved Solids	IS 3025(Part 16) : 1984, RA 2014	mg/l	593.0	500.0	2000.0
10.	Turbidity	IS 3025 (Part 10) : 1984, RA 2012	mg/l	<1.0	1.0	5.0
11.	Total Alkalinity	IS 3025 (Part 23) : 1986, RA 2014	mg/l	210.0	200.0	600.0
12.	Nitrate	IS 3025 (Part 34) : 1988, RA 2014	mg/l	1.80	45.0	No Relaxation
13.	Fluoride	IS 3025 (Part 60) : 2008, RA 2013	mg/l	<0.1	1.0	1.5
14.	Hexavalent Chromium	APHA 23 rd Ed., 3500 Cr. B : 2017	mg/l	<0.1	N.A.	N.A.
15.	Zinc	IS 3025 (Part 49) : 1994, RA 2014	mg/l	0.015	5.0	15.0

Remarks : a) The (*) marked limit are as per IS 10500:2012 Drinking Water Specification (Amendment No.1, June 2015) (Second Revision).

b) N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

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ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry		:	Jai Balaji Industries Ltd. (Unit # IV)			Type of Industry		:	Steel Plant					
Address		:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212			Sampling Date		:	15.09.2022					
						Period of Analysis		:	16.09.2022 – 21.09.2022					
						Date of Issue		:	23.09.2022					
Sampling Plan & Procedure		:	ENV/SOP/01		Deviation from the Sampling Method and Plan		:	No		Type of Sample		:	Drinking Water	
Location		:	Tap of Ferro Division			ULR No.		:	TC601422000000315P					

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)	
					Acceptable	Permissible
1.	Total Solids	APHA 23 rd Ed., 2540 B : 2017	mg/l	610.0	N.A.	N.A.
2.	Dissolved Oxygen	APHA 23 rd Ed., 4500 O-C : 2017	mg/l	7.8	N.A.	N.A.
3.	COD	APHA 23 rd Ed., 5220 B/C/D : 2017	mg/l	<5.0	N.A.	N.A.
4.	BOD [3 Day's at 27°C]	APHA 23 rd Ed., 5210 B : 2017	mg/l	<2.0	N.A.	N.A.
5.	Chromite	--	mg/l	BDL	N.A.	N.A.
	Conductivity	APHA 23 rd Ed., 2510-B : 2017	µs/cm	915.2	--	--

Remarks : a) The (*) marked limit are as per IS 10500:2012 Drinking Water Specification (Amendment No.1, June 2015) (Second Revision).

b) N.A. means Not Available.

c) BDL indicates Below Detection Limit.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

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ENVIROCHECK

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry		:	Jai Balaji Industries Ltd. (Unit # IV)			Type of Industry		:	Steel Plant					
Address		:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212			Sampling Date		:	15.09.2022					
						Period of Analysis		:	16.09.2022 – 17.09.2022					
						Date of Issue		:	23.09.2022					
Sampling Plan & Procedure		:	ENV/SOP/01		Deviation from the Sampling Method and Plan		:	No		Type of Sample		:	Drinking Water	
Location		:	Tap of Ferro Division			ULR No.		:	TC601422000000315P					

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)
1.	Total Coliform	9222B, APHA 23 rd Ed., 2017	CFU/100ml.	<1.0	Shall not be detectable in any 100 ml. sample
2.	Fecal Coliform	9222D, APHA 23 rd Ed., 2017	CFU/100ml.	<1.0	Shall not be detectable in any 100 ml. sample

Remarks : a) CFU indicates Colony Forming Unit.

b) <1.0 indicates 'Absent' no Colony developed i.e. No Coliform Found.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

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Overseas : UAE ■ Qatar ■ Netherlands

ANNEXURE 6



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/1/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 8:00 - 8:20 A.M

DAY TIME

1. Location : Raw Material Yard (Coke Oven)				Sample Code : (ENV/NOISE/01/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	65.2	76.9	74.17	East Side
02.	dB(A)	63.5	70.4	68.20	West Side
03.	dB(A)	62.8	75.6	72.81	North Side
04.	dB(A)	64.2	72.7	70.26	South Side
Average dB(A) Leq				71.36	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/2/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 8:30 - 8:50 A.M

DAY TIME

2. Location : Primary Crusher (Coke Oven)

Sample Code : (ENV/NOISE/02/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.2	78.6	76.93	East Side
02.	dB(A)	73.5	80.4	78.20	West Side
03.	dB(A)	74.6	79.9	78.01	North Side
04.	dB(A)	75.3	80.2	78.41	South Side
Average dB(A) Leq				77.88	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/3/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 9:00 – 9:20 A.M

DAY TIME

3. Location : Secondary Crusher (Coke Oven)				Sample Code : (ENV/NOISE/03/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.5	80.9	78.27	East Side
02.	dB(A)	71.3	79.4	77.02	West Side
03.	dB(A)	76.3	82.5	80.42	North Side
04.	dB(A)	70.9	78.4	76.10	South Side
Average dB(A) Leq				77.95	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/4/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 9:30 - 9:50 A.M

DAY TIME

4. Location : Warf (Coke Oven)				Sample Code : (ENV/NOISE/04/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.3	77.5	75.25	East Side
02.	dB(A)	72.8	80.4	78.09	West Side
03.	dB(A)	72.5	79.6	77.36	North Side
04.	dB(A)	74.7	78.3	76.86	South Side
Average dB(A) Leq				76.89	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Anup Singha
Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/5/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 10:00 - 10:20 A.M

DAY TIME

5. Location : Near Battery - 1 (Coke Oven)				Sample Code : (ENV/NOISE/05/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.8	74.6	73.10	East Side
02.	dB(A)	74.2	81.5	79.23	West Side
03.	dB(A)	75.9	80.6	78.86	North Side
04.	dB(A)	72.1	74.9	73.72	South Side
Average dB(A) Leq				76.22	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/6/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 10:30 - 10:50 A.M

DAY TIME

6. Location : Near Battery - 4 (Coke Oven)				Sample Code : (ENV/NOISE/06/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.5	73.7	72.39	East Side
02.	dB(A)	70.2	74.8	73.08	West Side
03.	dB(A)	72.5	80.3	77.96	North Side
04.	dB(A)	76.8	79.9	78.62	South Side
Average dB(A) Leq				75.51	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/7/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 11:00 - 11:20 A.M

DAY TIME

7. Location : Raw Material Handling Yard (Ferro)				Sample Code : (ENV/NOISE/07/20-21)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	72.1	77.6	75.67	East Side
02.	dB(A)	70.2	74.9	73.16	West Side
03.	dB(A)	73.3	78.9	76.95	North Side
04.	dB(A)	72.4	76.8	75.13	South Side
Average dB(A) Leq				75.22	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/8/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 11:30 - 11:50 A.M

DAY TIME

8. Location : SEAF - 1 (Ferro)				Sample Code : (ENV/NOISE/08/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	79.1	82.8	81.33	East Side
02.	dB(A)	80.2	82.6	81.56	West Side
03.	dB(A)	75.3	78.4	77.12	North Side
04.	dB(A)	76.7	80.2	78.79	South Side
Average dB(A) Leq				79.70	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

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Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/9/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 12:00 - 12:20 P.M

DAY TIME

9. Location : SEAF - 2 (Ferro)

Sample Code : (ENV/NOISE/09/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	80.2	84.6	82.93	East Side
02.	dB(A)	78.3	83.5	81.64	West Side
03.	dB(A)	75.2	78.1	76.89	North Side
04.	dB(A)	80.4	84.6	82.99	South Side
Average dB(A) Leq				81.11	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/10/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 12:30 - 12:50 P.M

DAY TIME

10. Location : SEAF - 3 (Ferro)				Sample Code : (ENV/NOISE/10/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	72.8	81.6	79.13	East Side
02.	dB(A)	76.2	80.5	78.86	West Side
03.	dB(A)	78.7	82.5	81.00	North Side
04.	dB(A)	76.3	81.4	79.56	South Side
Average dB(A) Leq				79.64	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/11/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 1:00 - 1:20 P.M

DAY TIME

11. Location : Pump House (Ferro)				Sample Code : (ENV/NOISE/11/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	72.5	80.6	78.22	East Side
02.	dB(A)	75.9	81.3	79.39	West Side
03.	dB(A)	74.8	79.4	77.68	North Side
04.	dB(A)	76.7	80.2	78.79	South Side
Average dB(A) Leq				78.52	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TC-6014

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/12/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 1:30 - 1:50 P.M

DAY TIME

12. Location : Rolling Mill (Rolling Mill)				Sample Code : (ENV/NOISE/12/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	72.3	76.8	75.11	East Side
02.	dB(A)	74.8	81.3	79.17	West Side
03.	dB(A)	73.7	78.9	77.04	North Side
04.	dB(A)	74.6	80.8	78.72	South Side
Average dB(A) Leq				77.51	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/13/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 8:00 - 8:20 A.M

DAY TIME

13. Location : Dispatch Yard (Rolling Mill)				Sample Code : (ENV/NOISE/13/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	71.8	76.4	74.68	East Side
02.	dB(A)	76.8	79.1	78.10	West Side
03.	dB(A)	76.4	81.3	79.51	North Side
04.	dB(A)	72.9	78.5	76.55	South Side
Average dB(A) Leq				77.21	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/14/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 8:30 - 8:50 A.M

DAY TIME

14. Location : Induction Furnace - 1 (SMS)				Sample Code : (ENV/NOISE/14/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	76.4	80.2	78.70	East Side
02.	dB(A)	78.7	81.5	80.32	West Side
03.	dB(A)	72.8	79.4	77.25	North Side
04.	dB(A)	73.7	78.2	76.51	South Side
Average dB(A) Leq				78.20	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/15/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 9:00 - 9:20 A.M

DAY TIME

15. Location : Induction Furnace - 2 (SMS)

Sample Code : (ENV/NOISE/15/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.3	79.4	77.56	East Side
02.	dB(A)	76.3	80.5	78.89	West Side
03.	dB(A)	76.7	79.1	78.06	North Side
04.	dB(A)	78.2	82.5	80.86	South Side
Average dB(A) Leq				78.84	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/16/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 9:30 - 9:50 A.M

DAY TIME

16. Location : Induction Furnace - 3 (SMS)				Sample Code : (ENV/NOISE/16/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	80.5	83.8	82.46	East Side
02.	dB(A)	76.8	82.5	80.52	West Side
03.	dB(A)	74.7	78.1	76.72	North Side
04.	dB(A)	80.6	84.8	83.19	South Side
Average dB(A) Leq				80.72	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/17/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 10:00 - 10:20 A.M

DAY TIME

17. Location : Induction Furnace - 4 (SMS)				Sample Code : (ENV/NOISE/17/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.5	79.4	77.38	East Side
02.	dB(A)	75.1	83.5	81.08	West Side
03.	dB(A)	78.2	81.4	80.09	North Side
04.	dB(A)	80.5	86.3	84.30	South Side
Average dB(A) Leq				80.71	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/18/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 10:30 - 10:50 A.M

DAY TIME

18. Location : CCM (SMS)

Sample Code : (ENV/NOISE/18/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.8	76.9	75.62	East Side
02.	dB(A)	78.5	80.6	79.68	West Side
03.	dB(A)	76.7	80.2	78.79	North Side
04.	dB(A)	72.5	77.9	75.99	South Side
Average dB(A) Leq				77.52	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/19/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 11:00 - 11:20 A.M

DAY TIME

19. Location : Dispatch Yard(SMS)				Sample Code : (ENV/NOISE/19/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	72.5	76.9	75.23	East Side
02.	dB(A)	74.6	79.1	77.41	West Side
03.	dB(A)	71.8	75.7	74.17	North Side
04.	dB(A)	72.3	75.9	74.46	South Side
Average dB(A) Leq				75.32	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/20/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 11:30 - 11:50 A.M

DAY TIME

20. Location : Pump House (SMS)				Sample Code : (ENV/NOISE/20/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	77.5	80.6	79.32	East Side
02.	dB(A)	79.1	81.2	80.28	West Side
03.	dB(A)	78.5	82.4	80.87	North Side
04.	dB(A)	80.2	84.9	83.16	South Side
Average dB(A) Leq				80.91	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TC-6014

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/21/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 12:00 - 12:20 P.M

DAY TIME

21. Location : MBF - 1 (MBF)				Sample Code : (ENV/NOISE/21/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	75.9	81.3	79.39	East Side
02.	dB(A)	77.4	80.2	79.02	West Side
03.	dB(A)	76.8	82.9	80.84	North Side
04.	dB(A)	78.3	83.5	81.64	South Side
Average dB(A) Leq				80.22	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/22/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 12:30 - 12:50 P.M

DAY TIME

22. Location : MBF - 2 (MBF)				Sample Code : (ENV/NOISE/22/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	76.8	81.9	80.06	East Side
02.	dB(A)	74.5	82.6	80.22	West Side
03.	dB(A)	80.3	85.7	83.79	North Side
04.	dB(A)	79.9	84.2	82.56	South Side
Average dB(A) Leq				81.66	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/23/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 01:00 - 01:20 P.M

DAY TIME

23. Location : Blower House (MBF)				Sample Code : (ENV/NOISE/23/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.8	81.3	79.17	East Side
02.	dB(A)	77.5	80.6	79.32	West Side
03.	dB(A)	83.7	85.9	84.94	North Side
04.	dB(A)	72.9	83.1	80.49	South Side
Average dB(A) Leq				80.98	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/24/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 01:30 - 01:50 P.M

DAY TIME

24. Location : Pump House (MBF)				Sample Code : (ENV/NOISE/24/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	79.4	83.5	81.92	East Side
02.	dB(A)	80.6	85.9	84.01	West Side
03.	dB(A)	77.3	81.2	79.67	North Side
04.	dB(A)	77.2	84.5	82.23	South Side
Average dB(A) Leq				81.96	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/25/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 08:00 - 08:20 A.M

DAY TIME

25. Location : Turbine - 1 (CPP)				Sample Code : (ENV/NOISE/25/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	81.6	84.9	83.56	East Side
02.	dB(A)	78.2	80.5	79.50	West Side
03.	dB(A)	74.7	80.6	78.58	North Side
04.	dB(A)	75.9	82.5	80.35	South Side
Average dB(A) Leq				80.50	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/26/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 08:30 - 08:50 P.M

DAY TIME

26. Location : Turbine - 2 (CPP)				Sample Code : (ENV/NOISE/26/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	78.9	85.6	83.43	East Side
02.	dB(A)	82.3	86.7	85.03	West Side
03.	dB(A)	80.3	85.2	83.41	North Side
04.	dB(A)	83.9	88.1	86.49	South Side
Average dB(A) Leq				84.59	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/27/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 09:00 - 09:20 A.M

DAY TIME

27. Location : Turbine - 3 (CPP)				Sample Code : (ENV/NOISE/27/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	80.6	86.9	84.80	East Side
02.	dB(A)	76.1	82.5	80.39	West Side
03.	dB(A)	77.4	80.2	79.02	North Side
04.	dB(A)	73.7	81.5	79.16	South Side
Average dB(A) Leq				80.84	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/28/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 09:30 - 09:50 A.M

DAY TIME

28. Location : DM Plant (CPP)				Sample Code : (ENV/NOISE/28/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	72.8	78.6	76.60	East Side
02.	dB(A)	74.7	81.3	79.15	West Side
03.	dB(A)	77.5	84.7	82.45	North Side
04.	dB(A)	77.2	83.5	81.40	South Side
Average dB(A) Leq				79.90	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/29/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 10:00 - 10:20 A.M

DAY TIME

29. Location : Boiler - 1 (CPP)

Sample Code : (ENV/NOISE/29/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.5	78.6	76.76	East Side
02.	dB(A)	76.8	80.3	78.89	West Side
03.	dB(A)	76.9	80.6	79.13	North Side
04.	dB(A)	78.0	81.4	80.02	South Side
Average dB(A) Leq				78.70	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/30/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 10:30 - 10:50 A.M

DAY TIME

30. Location : Boiler - 2 (CPP)				Sample Code : (ENV/NOISE/30/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.9	80.2	78.10	East Side
02.	dB(A)	78.2	80.6	79.56	West Side
03.	dB(A)	77.2	82.5	80.61	North Side
04.	dB(A)	73.1	78.6	76.67	South Side
Average dB(A) Leq				78.74	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/31/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 11:00 - 11:20 A.M

DAY TIME

31. Location : Pump House (CPP)				Sample Code : (ENV/NOISE/31/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	80.5	84.2	82.73	East Side
02.	dB(A)	76.8	81.3	79.61	West Side
03.	dB(A)	77.5	83.6	81.54	North Side
04.	dB(A)	72.8	80.2	77.92	South Side
Average dB(A) Leq				80.45	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/32/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 11:30 - 11:50 A.M

DAY TIME

32. Location : Kiln - 1 (DRI)

Sample Code : (ENV/NOISE/32/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	78.6	84.5	82.48	East Side
02.	dB(A)	76.9	81.2	79.56	West Side
03.	dB(A)	75.7	78.5	77.32	North Side
04.	dB(A)	80.6	84.7	83.12	South Side
Average dB(A) Leq				80.62	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



Recognised by MoEF&CC, WBPCB & JSPCB
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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/33/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 12:00 - 12:20 P.M

DAY TIME

33. Location : Kiln - 3 (DRI)				Sample Code : (ENV/NOISE/33/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	78.6	83.5	81.71	East Side
02.	dB(A)	74.7	81.8	79.56	West Side
03.	dB(A)	76.2	82.9	80.73	North Side
04.	dB(A)	74.7	84.1	81.56	South Side
Average dB(A) Leq				80.89	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/34/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 12:30 - 12:50 P.M

DAY TIME

34. Location : WHRB - 2 (DRI)				Sample Code : (ENV/NOISE/34/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	78.3	80.6	79.60	East Side
02.	dB(A)	76.2	81.5	79.61	West Side
03.	dB(A)	74.5	79.9	77.99	North Side
04.	dB(A)	78.3	81.6	80.26	South Side
Average dB(A) Leq				79.37	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/35/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 01:00 - 01:20 P.M

DAY TIME

35. Location : WHRB - 4 (DRI)				Sample Code : (ENV/NOISE/35/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.6	78.2	76.76	East Side
02.	dB(A)	74.7	80.3	78.35	West Side
03.	dB(A)	72.5	81.8	79.27	North Side
04.	dB(A)	77.9	82.5	80.78	South Side
Average dB(A) Leq				78.79	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/36/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 02:00 - 02:20 A.M

DAY TIME

36. Location : Main Administrative Building (AAQMS)				Sample Code : (ENV/NOISE/36/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	55.3	60.2	58.41	East Side
02.	dB(A)	56.8	61.4	59.68	West Side
03.	dB(A)	55.9	62.9	60.68	North Side
04.	dB(A)	56.7	64.8	62.42	South Side
Average dB(A) Leq				60.30	

Time : 10:00 - 10:20 P.M

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	48.3	52.5	50.89	East Side
02.	dB(A)	49.6	55.7	53.64	West Side
03.	dB(A)	47.1	55.3	52.90	North Side
04.	dB(A)	46.2	51.4	49.54	South Side
Average dB(A) Leq				51.74	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/37/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 02:30 - 02:50 P.M

DAY TIME

37. Location : Near Main Gate (Western Side) (AAQMS)

Sample Code : (ENV/NOISE/37/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	56.2	60.8	59.08	East Side
02.	dB(A)	55.9	64.7	62.23	West Side
03.	dB(A)	54.3	63.5	60.98	North Side
04.	dB(A)	61.7	65.9	64.29	South Side
Average dB(A) Leq				61.65	

Time : 10:30 - 10:50 P.M

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	48.3	52.9	51.18	East Side
02.	dB(A)	46.4	53.8	51.52	West Side
03.	dB(A)	45.3	51.2	49.18	North Side
04.	dB(A)	49.6	56.8	54.55	South Side
Average dB(A) Leq				51.61	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/38/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 03:00 - 03:20 P.M

DAY TIME

38. Location : Admin Building Ferro Div. (Eastern Side) (AAQMS)				Sample Code : (ENV/NOISE/38/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	55.8	64.2	61.78	East Side
02.	dB(A)	57.5	60.8	59.46	West Side
03.	dB(A)	58.3	66.4	64.02	North Side
04.	dB(A)	56.7	65.2	62.76	South Side
Average dB(A) Leq				62.01	

Time : 11:00 - 11:20 P.M

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	50.8	55.1	53.46	East Side
02.	dB(A)	52.6	57.9	56.01	West Side
03.	dB(A)	55.1	58.4	57.06	North Side
04.	dB(A)	50.3	53.7	52.32	South Side
Average dB(A) Leq				54.71	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/39/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 03:30 - 03:50 P.M

DAY TIME

39. Location : Near RM Yard (Southern Side) (AAQMS)

Sample Code : (ENV/NOISE/39/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	56.8	63.5	61.33	East Side
02.	dB(A)	59.7	64.2	62.51	West Side
03.	dB(A)	61.9	66.7	64.93	North Side
04.	dB(A)	60.2	65.8	63.85	South Side
Average dB(A) Leq				63.16	

Time : 11:30 - 11:50 P.M

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	52.0	54.9	53.69	East Side
02.	dB(A)	53.5	56.7	55.39	West Side
03.	dB(A)	50.2	56.8	54.65	North Side
04.	dB(A)	49.9	52.7	51.52	South Side
Average dB(A) Leq				53.81	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	440/EC/M/N
8.	Report ID	:	440/EC/M/TR(N)/40/22-23
9.	Date of Study	:	26/09/2022
10.	Reporting Date	:	30/09/2022
11.	Method No.	:	IS 15575 (Part 2), 2022
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet
14.	Sample Monitoring by	:	Mr. Anup Singha

RESULT OF NOISE LEVEL STUDY

Time : 03:30 - 03:50 P.M

DAY TIME

40. Location : Power Plant Control Room (Northern Side) (AAQMS)				Sample Code : (ENV/NOISE/40/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	55.3	63.8	61.36	East Side
02.	dB(A)	56.7	64.2	61.90	West Side
03.	dB(A)	55.3	60.9	58.95	North Side
04.	dB(A)	56.8	64.5	62.17	South Side
Average dB(A) Leq					

Time : 10:00 - 10:20 P.M

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	51.3	58.9	56.59	East Side
02.	dB(A)	48.3	53.7	51.79	West Side
03.	dB(A)	47.5	52.9	50.99	North Side
04.	dB(A)	50.2	53.8	52.36	South Side
Average dB(A) Leq				52.93	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

ANNEXURE 7

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'
Bldg. No. - 10A, Block - LA, Sector-III
Salt Lake City, Kolkata-700 098



Consent Letter Number : CO 110222

Memo Number : 3228/201-CO-S/11/1855

Date : 09/10/2018.

Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

Jai Balaji Industries Limited (Unit IV)

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Vill. Banskopa, PO: Rajbandh, PS: Kanksa
Paschim Bardhaman - 713212

(Detailed address of the manufacturing unit)

for a period from date of issue to 30/09/2023

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

Ram
Assistant Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

ANNEXURE

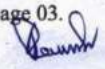
Consent to Jai Balaji Industries limited (Unit IV)
 for its unit at Vill: Banskopa, PO: Rajbandh, PS: Kankoa, Paschim Bardhaman
Pin - 713212.

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Clean Coal	10312 MT
02	Ferro Chrome / Manganese / Silico Manganese / Ferro Silicon	6133 MT
03	Metallurgical Coke	29167 MT
04	Pig Iron	6000 MT
05	Power (Electricity)	85 MW
06	Producer Gas	9000 Nm ³ /hr
07	Sponge Iron	12000 MT
08	Steel Billets	24950 MT
09	TMT Bars	19333 MT
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed KL.
04. Daily discharge of domestic liquid effluent shall not exceed 119.60 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed KL.
06. The Applicant shall discharge liquid effluent to Municipal drain after treatment (place of discharge) through 01 nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.


 Assistant Environmental Engineer
 (Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)
 Durgapur Regional Office
 West Bengal Pollution Control Board
 Continued.....

Consent to Jai Balaji Industries limited (Unit IV)
for its unit at Vill: Banskopa, PO: Rajbandh, PS: Kanksha, Paschim Bardhaman
Pin - 713212.

Table-I

[illegible]

09. The Applicant falls in the Red Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.

10. **Daily water consumption for the following purposes should not exceed :-**

- | | | | |
|--|---|--------|----|
| ● Industrial cooling, spraying in mine pits and boiler feed water
(Water used for gardening should be included in this category of use) | → | 2710.0 | KL |
| ● Domestic purpose | → | 149.50 | KL |
| ● Processing whereby water gets polluted and the pollutants are easily biodegradable | → | — | KL |
| ● Processing whereby water gets polluted and the pollutants are not easily biodegradable | → | — | KL |

The *Applicant* shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Assistant Environmental Engineer
Durgapur Regional Office -
West Bengal Pollution Control Board

(4)

Consent to Jai Balaji Industries Limited (Unit IV)
 for its unit at Vill: Baanskopa, PO: Rajbandh, PS: Kamloa, Paschim Bardhaman-713212

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

Stack No.	Stack height from G.L., (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)			
S-1			(See Annexure 1)						
S-2									
S-3									
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Assistant Environmental Engineer
 Durgapur Region Office
 West Bengal Pollution Control Board

(5)

Consent to Jai Balaji Industries Limited (Unit IV)
for its unit at Vill. Banskopa, PO: Rajbandh, PS: Kankoa, Paschim Bardhaman-713212.

14. The Applicant shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.

15. The Applicant shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Furnace Oil	13300 lit/month	Rolling Mills
02	Non-Coking Coal	62554 Ton/month	Boiler, DRI Kiln, SEAF <i>Boiler</i>
03	Diesel	170 lit/hr	DG Sets
04	Coking Coal	45000 Ton/month	Coke Oven
05			

16. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
Lump, BF Slag	3940 MT/month	—	Sold/disposed off
Gal Dust, Scrap, Mill Scale	2318 MT/month	—	Re used in process.

17. The Applicant shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 10 p.m.)	65
Night Time (10 p.m. to 06 a.m.)	55

18. The Applicant shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.

19. The Applicant shall bring about at least 33% of the available open land under the green coverage / plantation.

20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.

21. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.

22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

23. The Applicant shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

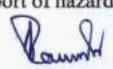
(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Assistant Environmental Engineer
Durgapur Region Office
West Bengal Pollution Control Board

Consent to Tai Balaji Industries Limited (Unit IV)
 for its unit at Vill- Banskopa, PO: Rajbandh, PS: Kanksa, Paschim Bardhaman
Pin - 713212.

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions


 Assistant Environmental Engineer
 Regional Office
 West Bengal Pollution Control Board
 (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

ANNEXURE – I

To consent to Operate letter no. C0110222 of M/s Jai Balaji Industries Limited (unit – IV), located at Banskopa, P.O. – Rajbandh, P.S. – Coke Oven, Dist. – Burdwan, Pin – 713 212 bearing memo no..... date:.....

Sl No of Stack	Stack Height from G.L. (in meters)	Stack Attached to (Source and Control System, if any)	Volume Nm ³ /hr	Velocity of Gas Emission (m/sec)	Concentration of Parameters not to be Exceed		Frequency of Sampling
					SPM (mg/Nm ³)	CO (% v/v)	
1	30	Rotary Kilns No. 1 & 2 (100 TPD X 2), ESP	-	-	100	1	Thrice in a Year
2	30	Rotary Kilns No. 3 & 4 (100 TPD X 2), ESP	-	-	100	1	Do
3	30	Cooler Discharge 4 Nos., Bag Filter	-	-	50	-	Do
4	30	Product House, Bag Filter	-	-	50	-	Do
5	30	Coal Crusher, Bag Filter	-	-	100	-	Do
6	5	D.G. Set (380 KVA X 6)	-	-	150	1	Yearly
7	24	Induction Furnace No. 4 & 5 (15 MT X 2), Common Bag Filter	-	-	150	-	Half Yearly
8	24	Induction Furnace No. 1 & 2 (15 MT X 2), Common Bag Filter	-	-	150	-	Do
9	24	Induction Furnace No. 3 (15 MT X 1), Common Bag Filter	-	-	150	-	Do
10	25	Re-Heating Furnace No. 2 (40 TPH X 1), Dedicated Stack	-	-	150	1	Do
11	15	Coal Washery (50 TPH X 1), Bag Filter	-	-	150	-	Do

Contd.. P/2.

Sl No of Stack	Stack Height from G.L. (in meters)	Stack Attached to (Source and Control System, if any)	Volume Nm ³ /hr	Velocity of Gas Emission (m/sec)	Concentration of Parameters not to be Exceed	Frequency of Sampling		
12	27	Re-Heating Furnace No. 1 (20 TPH X 1), Dedicated Stack	-	-	150	1	-	Do
13	30	Stoves of MBF No. 1 (50 m ³ X 1)	-	-	150	1	-	Do
14	30	Stoves of MBF No. 2 (50 m ³ X 1)	-	-	150	1	-	Do
15	15	Tap Hole Emission No. 1, Bag Filter	-	-	150	1	-	Do
16	15	Tap Hole Emission No. 2, Bag Filter	-	-	150	1	-	Do
17	30	SEAF No. 1 & 2 (16.5 MVA X 2), Bag Filter	-	-	150	1	-	Do
18	30	SEAF No. 3 (16.5 MVA), Bag Filter	-	-	150	1	-	Do
19	30	Briquetting Plant, Cyclone Separator	-	-	150	1	-	Do
20	100	Captive Power Plant (85 MW) with 2 nos. CFBC Boilers of Capacity 85 TPH and 170 TPH, Common Stack and Individual ESP	-	-	150	1	-	Do
21	15	Raw Material Handling Section of Power Plant, Bag Filter	-	-	150	1	-	Do
22	7	D.G. Set (320 KVA X 2)	-	-	150	1	-	Yearly
23	5.6	D.G. Set (1000 KVA X 2)	-	-	150	1	-	Do
24	6.5	D.G. Set (500 KVA X 1)	-	-	150	1	-	Do

Signature

Asst. Environmental Engineer & In-charge
West Bengal pollution Control Board

ANNEXURE 8

F. No. J-11011/280/2007 IA-II (I)
Government of India
Ministry of Environment and Forests
(IA Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail : pb.rastogi@nic.in
Telefax : 011-24367668
Dated 28th August, 2007

To, ✓
M/s Shri Rampuparai Balaji Steels Ltd.
5, Bentinck Street, 1st Floor
Kolkata 700 001, West Bengal

E-Mail : ibalaji@vsnl.et / gaurav@jaibalajigroup.com / Fax No. : 033-22430021

Subject : Expansion of Integrated steel Plant (4,00,000 TPA) and Captive Power Plant (85 MW) at Durgapur, West Bengal by M/s Shri Rampuparai Balaji Steels Ltd. - Environmental clearance reg.

Sir,

Kindly refer your letter no. A-J11021/2007 dated 10th March, 2007 alongwith project documents including Questionnaire, Feasibility Report and EIA/EMP and subsequent clarifications furnished vide communication dated 20th April, 2007, 17th May, 2007, 1st June, 2007 and 14th June, 2007 regarding above mentioned project.

2.0 The Ministry of Environment and Forests has examined your application. It is noted M/s Ramrupai Balaji Steels Ltd. have proposed for the expansion of Integrated Steel Plant (4,00,000 TPA) and Captive Power Plant (85 MW) at Banskopa, Rajbandh, Durgapur, Bardhaman, West Bengal as per the details given below :

Present Production Scenario :	
Units	Capacity
Sponge Iron (MTPA)	1,20,000
Pig Iron (MTPA)	80,500
Rolling Mill (MTPA)	80,000
Billet Division - Induction Furnace (MTPA)	2,37,600
Proposed Additional Units :	
Billet Division - Induction Furnace (MTPA)	2,37,600
Rolling Mill (MTPA)	3,20,000
Captive Power Plant (10 MW WHRB & 75 MW from coal based AFBC TPP)	85 MW
Coal Washery (MTPA)	7,20,000
Ferro Alloys (MTPA)	
High Carbon Ferro Chrome	22,211
Ferro-silicon	9,310
High Carbon Ferro Manganese & Neduyn Carbon Silico-Manganese)	26,600
	20,415

Total land acquired is 131.45 acres. No rehabilitation and resettlement is involved. Total cost of the project is Rs. 916.50 Crores. Rs. 26.02 Crores are earmarked for the environmental pollution control measures.

3.0 Public hearing/consultation is not required as per para 7 (i) (ii) of EIA Notification, 2006 since the project is located in the Industrial Zone of Asansol Durgapur Development Authority (ADDA) as confirmed vide letter no. ADDA/DGP/PC-26/07-07/360 dated 7th June, 2007.

4.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under EIA Notification dated 14th September, 2006 subject to strict compliance of the following conditions:

A. Specific Conditions :

- i) Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted within three months for the reduction of SPM levels. On-line stack monitoring facilities for all the stacks and sufficient air pollution control systems viz. ESP and bag filters etc. to control emissions from the kiln and WHRB shall be provided to keep emissions levels below 50 mg/Nm³ and reports submitted to the WBPCB & CPCB.
- ii) Low NO_x burners shall be installed in bar and rod mills to reduce NO_x emissions and other Mill related furnaces. Hot fumes from SMS shall be collected by the fume extraction system and condensed through a condenser.
- iii) Total requirement of the water from Asansol Durgapur Development Authority (ADDA) shall not exceed 1,50,000 l/day as per prior 'Permission' accorded by the ADDA. Effluent Treatment Plant (ETP) shall be installed for the treatment of process water. The treated wastewater from all the processes shall be recycled into the process to the maximum extent possible and reused either in the process or for dust suppression or green belt development. Domestic effluent shall be treated in sewage treatment plant (STP) and used for dust suppression and green belt development.
- iv) A time bound action plan shall be submitted within three months to reduce solid waste, its proper utilization and disposal.
- v) All the Fly ash from FBC boilers shall be used in brick manufacturing at site itself and compliance to EIA Notification 1999 and subsequently amended in 2003 shall be strictly complied with. Bed ash from FBC steam generator shall be used for filling low-lying areas inside the plant premises. IF & LF slag shall be used for land filling. Mill scale generated during billet production shall be disposed as landfill in designated area. Dhanashyam and Parasias Mines shall be used for ash disposal. Char shall be used in FBC boiler. Waste oil shall be sold to recyclers or properly disposed off as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
- vi) Green belt shall be developed in 33% area within and around the plant premises as per the CPCB guidelines in consultation with DFO.

B. General Conditions :

- i. The project authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed

from time to time. The West Bengal Pollution Control Board (WBPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.

- iv. Gaseous emission levels including secondary fugitive emissions shall be controlled within the latest permissible limits issued by the Ministry, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB shall be followed.
- v. Dust extraction system with bag filters shall be provided at various dust generating points. Dust suppression system through water sprinkling shall be adopted in raw material handling area. In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided.
- vi. Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality shall be carried out regularly in consultation with WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
- vii. 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 shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- viii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- ix. All the environment management measures given in the EIA/EMP shall be implemented and complied with.
- x. All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) of CPCB issued for the steel plants shall be implemented.
- xi. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- xii. Proper house keeping and adequate occupational health programmes shall be taken up.
- xiii. The company shall undertake eco-development measures including community welfare measures in the project area.
- xiv. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- xv. As mentioned in the EIA/EMP, Rs. 26.02 Crores allocated towards the environmental pollution control measures shall be used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.

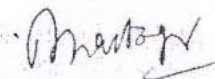
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- xvi. The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.
 - xvii. The 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.
 - xviii. 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 W. B. Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should 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 shall be forwarded to the Regional office at Bhubaneswar.

6.0 The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bhubaneswar.

7.0 The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.

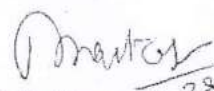
8.0 Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.

9.0 The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Dr. P. B. Rastogi)
Additional Director

Copy to :-

1. The Secretary, State Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA Sector-III, Salt Lake, Kolkata - 700091, West Bengal.
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests A-3 Chandrashekharapur, Bhubaneswar - 751 023, Orissa
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.


(Dr. P. B. Rastogi) 28/8/07
Additional Director

JBG Covid-19 Vaccination Camp

Jai Balaji Industries Ltd. Is Proud and honored to have had organized free Covid – 19 vaccination camps for 10000+ employees, workmen and families. Jai Balaji Group was the only company to take this unique initiative in eastern india in the month of June 2021.





JBG Eye Checkup Camp

Intending to serve society and help the people to see clearly how beautiful this world is, Jai Balaji Group organized a free-of-cost eyecare, microsurgery & spectacles distribution camp. In association with a unit of Mahavir Seva Sadan, Kolkata, we served 500+ people. The camp was organized in Durgapur on 19th September 2021 (Sunday) people joined from villages like Namo Sagar Bhanga, Banskopa, Mamc, and also from nearby areas to seek the opportunity. We had special guests with us to honour the event, Mr. Ajoy Kumar (Regional P.F Commissioner), Mr. Subba (WBCS, Executive Magistrate), Dr. Anuradha Dey (Chief Medical officer- eye, Paschim Burdwan). In these difficult times, the Jai Balaji Group is taking this initiative to inspire other people to come forward and help society.





AC Donation for Durgapur Govt. hospital.

Jai Balaji Industries Limited has always been ahead of its social responsibility. When the company came to know that the radiology room needed an AC to give better results to the patients in the government hospital of Durgapur JBG immediately provided an air conditioner to the hospital 2nd August' 2021



PICTORIAL EVIDENCE

Ambient Air Quality Monitoring



Stack Gas Monitoring



Work Zone Air Monitoring



Noise Monitoring



Effluent water collection



Drinking water collection



Green Belt development





Health Care Centre



Industrial Safety



Jai Balaji Industries Limited (Unit- IV)

Barrakpala, Rajabandh, Kankola, Durgam Cheruvu-12, Paschim Bardhaman (W.B)

ENVIRONMENTAL INFORMATION

1. Consent to Operate Certificate : 3228/dt-CD-5/11/1855 Dt. 09.10.2018 valid-30.09.2023
2. Hazardous Waste Certificate No. : 120/25 (HW)-4443/2021 Date-16.06.2022 Valid-30.06.2026
3. Stack Analysis Report As on : 26-28.03.2022

Parameter	Concentration Limit	MSF-1	MSF-2	CSP	SMS	DRI
PM ₁₀ (mg/Nm ³)	150	34.11	18.47	21.5	22.89	84.86
CO % (v/v)	1	<1.0	<1.0	<1.0	-	<1.0

4. Liquid Effluent Analysis Report: As on : 26.03.2022

Parameter	Concentration Limit	Result
pH	5.5 - 9.0	6.82
TSS (mg/l)	100	30.00
BOD (5 days 27°C) (mg/l)	30	12.00
COD (mg/l)	250	107.80
Oil & Grease (mg/l)	10	4.50
Other	-	-

5. Hazardous Chemicals Stock as on -

Name of the Chemicals	Quantity used/month	Maximum Storage
	-	-

6. Hazardous Wastes Stock as on-17.05.2022

Name of the Hazardous Waste	Generation/Annum	Storage/ Disposal
A Used Oil (5.1)	0.0425 MT/A	0.085 MT/A
B Used Cotton (5.2)	0.02 MT/A	0.04 MT/A
C Other (35.2)	0.005 MT/A	0.01 MT/A