# 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

# 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.

Sl.	A. SPECIFIC CONDITIONS:	COMPLIANCE STATUS
No.		
(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 <sup>3</sup> 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 <b>Annexure 1-3</b> . Sufficient air pollution control systems like ESP, Bag Filter, etc., are already installed to keep the emission level within the prescribed limit.
(ii)	Low NOx burners shall be installed in bar and rod mills to reduce NOx 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 NOx 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

	recycled into the process to the	development. Rainwater harvesting
	maximum extent possible and reused	structure is also installed in the plant
	either in the process or for dust	to ensure optimal water consumption.
	suppression or green belt	The latest Effluent and Drinking
	development. Domestic effluent shall	water test report is attached as
	be treated in Sewage Treatment Plant	Annexure 4 and 5.
	(STP)and used for dust suppression	
	and green belt development.	
(iv)	A time bound action plan shall be	Solid wastes generated in the plant
	submitted within three months to reduce	are in form of scraps, coal fines are
	solid waste, its proper utilization and	reused in the furnace. Fly ash is used
	disposal.	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	Fly ash is used in making of pavered
	be used in brick manufacturing at site	block and bricks for internal use. Slag
	itself and compliance to EIA Notification	and Bottom ash are being used for
	1999 and subsequently amended in 2003	Landfilling purposes.
	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 Parasia 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%	Green belt is already developed as per
	area within and around the plant premises	the CPCB guidelines and the total
	as per the CPCB guideline in consultation	planted area is 33%. Avenue plantation
	with DFO.	is also done within and around the
		premises
Sl.	B. GENERAL CONDITIONS:	COMPLIANCE STATUS
No.		
i)	The project authority shall adhere to the	Being adhered as per the stipulation
	stipulations made by West Bengal	made by WBPCB and State
	Pollution Control Board (WBPCB) and	Government. Consent to Operate
	State Government	obtained from WBPCB is attached as
		Annexure 7.
(ii)	No further expansion or modification of	No further expansion or modification of
	the plant shall be carried out without	the plant is carried out without prior
	prior approval of this Ministry.	approval of this Ministry.
(iii)	The gaseous emission from various	The gaseous emission from various
	process units shall conform to the	process units doesn't exceed the
	load/mass based standards notified by	standard limits. On-line monitoring
	the Ministry on 19 <sup>th</sup> May, 1993 and	system has been installed to
	standards prescribed from time to time.	determine the gaseous emission from
	The West Bengal Pollution Control	different units. There is a provision
	Board (WBPCB) may specify more	for ESP in the plant premises to
	stringent standards for the relevant	optimize the air pollution control and
	parameters keeping in view the nature	the emission level is maintained well
	of the industry and its size and	within the prescribed limit. The
	location. At no time, the emission level	reports are sent to the authorized body
1		i .

	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	Gaseous emission levels including
	secondary fugitive emissions shall	secondary fugitive emissions are kept
	be controlled within the latest	well within permissible limits. There
	permissible limits issued by the	is a suitable provision for APC
	Ministry, regularly monitored and	equipment and are well maintained to
	records maintained.	keep the emissions in control.
	Guidelines/code of Practice issued	
	by the CPCB shall be followed.	
(v)	Dust Extraction System with Bag	Dust Extraction System with Bag
	Filter shall be provided at various dust	filters is already installed to arrest
	generating points. Dust Suppression	dust generation in the plant. Water
	System through water sprinkling shall	sprinkler is used in the plant to
	be adopted in raw material handling	control pollution due to dust
	area. In-plant control measures for	generation. Truck carrying water is
	checking fugitive emission from all the	also used to reduce dust in the plant
	vulnerable sources shall be provided.	premises.
(vi)	Ambient Air Quality monitoring	Ambient Air Quality monitoring is
	stations shall be set up as per statutory	conducted on regular basis to monitor
	requirement in consultation with the	air quality. The latest ambient air
	WBPCB. Ambient Air Quality	quality monitoring reports are
	including ambient noise levels shall	attached in the <b>Annexure 2</b> .
	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 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)	The overall noise levels were monitored at various locations and are maintained within the prescribed limit. The latest reports are attached in <b>Annexure 6</b> .
(-:::)	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 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.

# **Six Monthly Compliance Report**

	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.

# **Six Monthly Compliance Report**

	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 theW. 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 Bhubaneshwar.	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.

# **ANNEXURE 1**





Name of the Industry	:	Jai Bala	i In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim		Sampling Date				14.09.2022		
		Bardhaman, Pin - 713212					Period of analysis				16.09.2022 - 17.09.2022		
						Date	of Issue			19.09.2022			
Sampling Plan 8	k Pr	ocedure	::	ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan	:	No	Type of	:	Stack
									Sample		Emission		
Sample ID No.	Sample ID No. : ENV/68/Sep./A/I							ENV/68/Sep./T	R(A	)/I/2	2-23		

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 1 & 2) (SMS) attached				
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.)	:	1.0	
Capacity	:	15 MT/Heat/Furnace	Height of sampling port (mtr.) (from G.L.)	:	17.	0
Emission Due to	:	Melting of Scraps, Sponge Iron, Pig Iron etc.				
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Laddo	er	:	Yes
Working Fuel	:	Nil			•	•
Consumption		8 - 1.8 1 1 1				
Pollution Control Device	:	Spark arrester & Bag Filter				

# **B. RESULTS**

SL.	PARAMETERS	PARAMETERS UNIT METHOD NO.			RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	67.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon	:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	9.56	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	23418.44	N.A.
5.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	33.64	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
			Sec. 11 (Vol. 3 11.07): 2011			

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

Dr. AJOY PAUL Quality Manager

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi





FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	i In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim		Sampling Date				14.09.2022		
		Bardhaman, Pin - 713212					Period of analysis				16.09.2022 - 17.09.2022		
							Date of Issue			:	19.09.2022		
Sampling Plan 8	ն Pr	ocedure	::	ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan	:	No	Type of	:	Stack
									Sample		Emission		
Sample ID No.	Sample ID No. : ENV/68/Sep./A/VI							ENV/68/Sep./T	R(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	Height of Stack (mtr.) (from G. L.)					
Materials of Construction	:	Concrete	Stack I.D. at sampling point (mtr.)	:	6.	70		
Capacity	:	CFBC Boiler No.1 – 170 TPH CFBC Boiler No.2 – 85 TPH	Height of sampling port (mtr.) (from G.L.)	:				
Emission Due to	:	Combustion of Coal						
Fuel Used	:	Coal	Permanent Platform & Ladd	er	:	Yes		
Working Fuel Consumption	:	90 MT/hr. (Only for CFBC Boiler No.1)	_ AN					
Pollution Control Device	:	.S.P						

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	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	Nm³/hr.	IS : 11255 (Part III)	:	1051598.85	N.A.
5.	Concentration of SO <sub>2</sub> (at 6% O <sub>2</sub> )	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	354.05	600.0
6.	Concentration of $NO_x$ (at 6% $O_2$ )	mg/Nm <sup>3</sup>	IS: 11255 (Part 7) 2005 & ASTM D 1608-98	:	171.35	200.0
			reapproved 2009 : Sec 11 (Vol. 11.07) : 2011			
7.	Concentration of CO <sub>2</sub>	% (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	. #	/	:	38.03	N.A.
	Matter	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D			
	b) Concentration of Particulate	76.4	3685/D 3685M-98 (reapproved 2005):	:	38.54	50.0
	Matter (at 6% O <sub>2</sub> )		Sec. 11 (Vol. 3 11.07) : 2011			

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:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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FORMAT NO : ENV/	/FM/38

Name of the Industry	:	Jai Balaji	In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		2
Address	••	Banskop	a, I	Rajbandh, Durgap	our, Paschim	1	Sam	oling Date		:	14.09.2022		
19-1		Bardham	ian	, Pin - 713212			Period of analysis			:	16.09.2022 – 17.09.2022		
						. ""	Date	of Issue		N	19.09.2022		9
Sampling Plan &	Pr	ocedure		ENV/SOP/01	Deviation	from the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack
											Sample		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

D . A. 1 1.		CERCR II (N. 10.2) (CPR) ( II. I. I)				
Duct Attached to	:	C.F.B.C Boiler (No.1 & 2) (CPP) (attached)			_	
Shape of Duct	:	Circular	Height of Stack (mtr.) (from G. L.)	:	100	0.0
Materials of Construction		Concrete	Stack I.D. at sampling point (mtr.)	:	6.7	0
Capacity	:	CFBC Boiler No.1 - 170 TPH CFBC Boiler No.2 - 85 TPH	Height of sampling port (mtr.) (from G.L.)	:		( <del>-</del> -)
Emission Due to	:	Combustion of Coal				
Fuel Used	:	Coal	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	90 MT/hr. (Only for CFBC Boiler No.1)				
Consumption						
Pollution Control Device	:	E.S.P	Bellin Street			

# **B. RESULT**

SL. NO.	PARAMETER	UNIT	METHOD NO.		RESULT	LIMIT
1.	Concentration of O <sub>2</sub>	% (v/v)	IS 13270 1992 RA 2003		6.2	N.A.
Remar	ks : N.A. means Not Available.	The Late of the la	The same of the sa	10,5		•

Reviewed By:

INDRANI BHATTACHARYA

Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	ji In	dustries Ltd. (Un	it # IV)		Туре	e of Industry	:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim		Sam	pling Date	:	14.09.2022		
		Bardhai	mar	, Pin - 713212			Perio	od of analysis	:	16.09.2022	- 1	7.09.2022
							Date	of Issue		19.09.2022		
Sampling Plan 8	ն Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan	 No	Type of	:	Stack
										Sample		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	Height of Stack (mtr.) (from G. L.)	:	30.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.0	
Capacity	:	15 MT/Heat/Furnace	Height of sampling port (mtr.) (from G.L.)	:	17.	0
Emission Due to	:	Melting of Scraps & Hot Metal				
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	Nil			•	•
Consumption		5 -1.3				
Pollution Control Device	:	Spark arrester & Bag Filter				

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	60.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second		752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	10.22	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	:	25561.46	N.A.
5.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	36.61	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
	7 70		Sec. 11 (Vol. 3 11.07): 2011			

Remarks: Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

: N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

Dr. AJOY PAUL Quality Manager

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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	i In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant		
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschim	<u> </u>	Sam	pling Date		:	14.09.2022		
		Bardhai	nan	, Pin - 713212			Perio	od of analysis		:	16.09.2022	- 1	7.09.2022
							Date	of Issue			19.09.2022		
Sampling Plan &	k Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan		No	Type of	:	Stack
										Γæ	Sample		Emission
Sample ID No. : ENV/68/Sep./A/III						Report No.	:	ENV/68/Sep./T	R(A	)/III <sub>/</sub>	/22-23		

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 4 & 5) (attached)				
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.)	:	1.0	
Capacity	:	15 MT/Heat/Furnace	Height of sampling port (mtr.) (from G.L.)	:	17.	0
Emission Due to	:	Melting of Scraps & Hot Metal				
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	Nil				
Consumption						
Pollution Control Device	:	Bag Filter	2 - 2 - 2			·

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	70.0	N.A.
2.	Barometric Pressure	mm of Hg.	The state of the s		752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		9.61	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)		23332.85	N.A.
5.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D		49.65	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
	7 762		Sec. 11 (Vol. 3 11.07): 2011			

Remarks: Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

: N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

Dr. AJOY PAUL Quality Manager

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi





Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant			
Address	:	Banskoj	oa, I	Rajbandh, Durgap	our, Paschim		Sam	pling Date		:	14.09.2022			
		Bardhar	nar	ı, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date	of Issue		:	19.09.2022			
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan		No	Type of	:	Stack	
											Sample		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	0.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.9	90
Capacity	:	40 TPH	Height of sampling port (mtr.) (from G.L.)	:	10	0.6
Emission Due to	:	Combustion of CBM (Coal Bed Methane)				
Fuel Used	:	Coal Bed Methane	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	50 Nm³/hr.				
Consumption						
Pollution Control Device	:	Nil	- Land St			·

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	222.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon		752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	14.68	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	20006.84	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	35.24	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	41.78	150.0
	Particulate Matter	The same of the sa	3685/D 3685M-98 (reapproved 2005) :			
		70	Sec. 11 (Vol. 3 11.07) : 2011			

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

Reviewed By:

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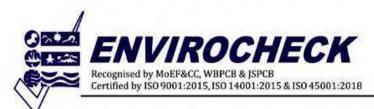
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Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant			
Address	:	Banskoj	pa, I	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sampling Date				14.09.2022			
		Bardhai	man	, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date	of Issue		:	19.09.2022			
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan		No	Type of	:	Stack	
											Sample		Emission	
Sample ID No. : ENV/68/Sep./A/IV Report No. : ENV/68/Sep./TR(A)/IV/22-2										/22-23				

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reheating Furnace (No. 1)	2.2			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30	0.0
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	0.6
Emission Due to	:	Combustion of CBM (Coal Bed Methane)				
Fuel Used	:	Coal Bed Methane	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	25 Nm³/hr.				
Consumption						
Pollution Control Device	:	Nil	The second second			·

# **B. RESULTS**

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NU.	El C m	0.0	IC 14255 (D + 1)		100.0	D.T. A
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	198.0	N.A.
2.	Barometric Pressure	mm of Hg.	Alliana and the same of the sa	:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	# :	13.60	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	. :	19481.22	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	23.0	N.A.
6.	Concentration of CO <sub>2</sub>	% (v/v)	IS 13270 1992 RA 2003	:	4.2	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	1	<1.0	1.0
8.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	19.74	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
			Sec. 11 (Vol. 3 11.07): 2011			

Remarks: Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

: N.A. means Not Available.

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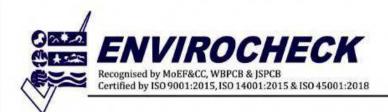
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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	ji In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant			
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschim	l	Sam	pling Date		:	15.09.2022			
		Bardhai	man	, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date	of Issue			19.09.2022			
Sampling Plan 8	k Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan		No	Type of	:	Stack	
											Sample		Emission	
Sample ID No.	ENV/68	p./A/VII		Report No.	:	ENV/68/Sep./T	R(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	0.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.	2
Capacity	:	45 m <sup>3</sup>	Height of sampling port (mtr.) (from G.L.)	:	20	0.0
Emission Due to	:	Combustion of B. F. Gas				
Fuel Used	:	B. F. Gas	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	2800 - 3000 Nm <sup>3</sup> /hr.				
Consumption		A = [1, 8]				
Pollution Control Device	:	GCP consists Dust Catcher, Saturato	r, Venturi Scrubber & Cyclone Separator			

#### **B. RESULTS**

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1	Fl C T	0.0	IC 11255 (Dt 1)		202.0	NI A
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	. :	282.0	N.A.
2.	Barometric Pressure	mm of Hg.	The state of the s	m :	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	15.55	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)		32270.06	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	16.31	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D		21.43	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
		793	Sec. 11 (Vol. 3 11.07): 2011			

Remarks: Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

: N.A. means Not Available.

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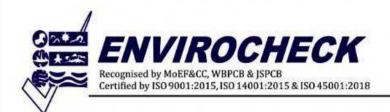
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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	i In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant			
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschim	<u> </u>	Sam	pling Date		:	15.09.2022			
		Bardhai	nan	, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date	of Issue			19.09.2022			
Sampling Plan &	k Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan	:	No	Type of	:	Stack	
											Sample		Emission	
Sample ID No.	:	ENV/68	3/Se	p./A/VIII		Report No.	:	ENV/68/Sep./T	R(A	)/VII	I/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	0.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.2	2	
Capacity	:	45 m <sup>3</sup>	Height of sampling port (mtr.) (from G.L.)	:	20	0.0	
Emission Due to	:	Combustion of B. F. Gas					
Fuel Used	:	B. F. Gas	Permanent Platform & Ladd	er	:	Yes	
Working Fuel Consumption	:	800 - 3000 Nm³/hr.					
Pollution Control Device	:	CP consists Dust Catcher, Saturator, Venturi Scrubber & Cyclone Separator					

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	290.0	N.A.
2.	Barometric Pressure	mm of Hg.	The same of the sa	:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	14.86	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	30415.75	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	21.77	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	26.42	150.0
	Particulate Matter	No	3685/D 3685M-98 (reapproved 2005):			
			Sec. 11 (Vol. 3 11.07) : 2011			

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

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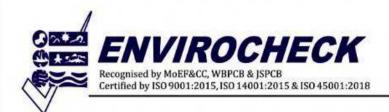
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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant		
Address	:	Banskoj	pa, I	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sam	pling Date		:	15.09.2022		
		Bardhai	Bardhaman, Pin - 713212				Period of analysis			:	16.09.2022 - 17.09.2022		
							Date	of Issue			19.09.2022		
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan		No	Type of	:	Stack
											Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/IX		Report No.	:	ENV/68/Sep./T	R(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	0.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.	90
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	22	2.86
Emission Due to	:	During Processing				
Fuel Used	:	N.A.	Permanent Platform & Ladd	er	:	Yes
Working Fuel Consumption	:	Nil	- All			
Pollution Control Device	:	Bag Filter				

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	73.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second	m :	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.60	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)		18696.29	N.A.
5.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	26.74	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
	/ 1/2		Sec. 11 (Vol. 3 11.07): 2011			

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

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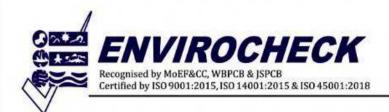
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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant		
Address	:	Banskoj	pa, I	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sam	pling Date		:	15.09.2022		
		Bardhai	Bardhaman, Pin - 713212				Period of analysis			:	16.09.2022 - 17.09.2022		
							Date	of Issue			19.09.2022		
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack
											Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/X		Report No.	:	ENV/68/Sep./T	R(A	)/X/2	22-23		

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tape Hole Emission (No.2)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30	0.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.	90
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	22	2.86
Emission Due to	:	During Processing				
Fuel Used	:	N.A.	Permanent Platform & Ladd	er	<b>:</b>	Yes
Working Fuel Consumption	:	Nil	- 18 m			
Pollution Control Device	:	Bag Filter				

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	77.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second	m :	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.65	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)		18577.15	N.A.
5.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	26.54	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
	/ 1/2		Sec. 11 (Vol. 3 11.07): 2011			

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

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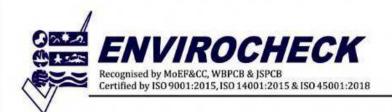
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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	ji In	dustries Ltd. (Un	it # IV)		Type of Industry		::	Steel Plant		
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschim		Sampling Date		:	15.09.2022		
		Bardhai	man	, Pin - 713212			Period of analysis		:	16.09.2022	- 1	7.09.2022
							Date of Issue			19.09.2022		
Sampling Plan 8	Pr	ocedure		ENV/SOP/01	Deviation from the	Samp	ling Method and Plan	:	No	Type of	:	Stack
										Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/XI	Repor	t No.	: ENV/68/Sep./T	R(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	0.0
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	1.5
Emission Due to	:	Melting of Mn-Ore, Dolomite, Lime Stone				
Fuel Used	:	N.A. (Electricity Operated)	Permanent Platform & Ladd	er	:	Yes
Working Fuel Consumption	:	Nil	- AND			•
Pollution Control Device	:	Bag Filter & F.D. Cooler				

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	89.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon	:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	10.63	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)		165094.13	N.A.
8.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	28.58	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
			Sec. 11 (Vol. 3 11.07): 2011			

Remarks: Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

: N.A. means Not Available.

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<b>FORMAT</b>	NO .	FNV	/FM	/38
runmai	NO:	LIVV	/ I' IVI	/30

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)					Type of Industry				Steel Plant			
Address	:	Bansko	pa, I	Rajbandh, Durgap	our, Paschim		Sampling Date				15.09.2022			
		Bardhai	man	, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date of Issue			:	19.09.2022			
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation fr	rom the Samp	m the Sampling Method and Plan :			No	Type of	:	Stack	
										7.3	Sample		Emission	
Sample ID No. : ENV/68/Sep./A/XII						Report No.	:	ENV/68/Sep./T	R(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	0.0
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.)	:	2	1.5
Emission Due to	:	Melting of Mn-Ore, Dolomite, Lime Stone				
Fuel Used	:	N.A. (Electricity Operated)	Permanent Platform & Ladd	er		Yes
Working Fuel	:	Nil				
Consumption						
Pollution Control Device	:	Bag Filter & F.D. Cooler	The second by the second			

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	72.0	N.A.
2.	Barometric Pressure	mm of Hg.	Mineral III and the second sec	:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	8.84	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	<u>.</u> :	144072.34	N.A.
8.	Concentration of	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	31.90	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
	/ %		Sec. 11 (Vol. 3 11.07): 2011			

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi





Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)				Type of Industry			:	Steel Plant				
Address	:	Bansko	pa, l	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sampling Date				16.09.2022			
		Bardhai	mar	, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date of Issue			:	19.09.2022			
Sampling Plan &	Pr	ocedure	:	ENV/SOP/01	Deviation fr	from the Sampling Method and Plan :			:	No	Type of	:	Stack	
									Sample		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	3
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	9.0	)
Emission Due to	:	Combustion of Furnace Oil				
Fuel Used	:	Furnace Oil	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	100 litr./hr.				
Consumption						
Pollution Control Device	:	Water Scrubber / Bag Filter				

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	140.0	N.A.
2.	Barometric Pressure	mm of Hg.	Mineral III and the second sec	. :	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		11.24	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)		14212.35	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	45.71	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	1:	41.78	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
			Sec. 11 (Vol. 3 11.07) : 2011			

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].182.50

: N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi





Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)					Type of Industry			:	Steel Plant			
Address	:	Banskoj	pa, I	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sampling Date				16.09.2022			
		Bardhai	nan	, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date of Issue :			:	19.09.2022			
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	the Sampling Method and Plan :			No	Type of	:	Stack	
											Sample		Emission	
Sample ID No. : ENV/68/Sep./A/XIV						Report No.	:	ENV/68/Sep./T	R(A	)/XIV	7/22-23			

#### 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	Height of Stack (mtr.) (from G. L.)	:	8.53	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.20	
Capacity	:	1000 KVA	Height of sampling port (mtr.) (from G.L.)			
Emission Due to	:	Combustion of H.S.D				
Fuel Used	:	H.S.D	Permanent Platform & Ladde	er	: No	
Working Fuel	:	130 - 140 litr./hr.				
Consumption		8 - 123				
Pollution Control Device	:	Nil	The second secon			

# **B. RESULTS**

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	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	Nm³/hr.	IS: 11255 (Part III)	:	887.48	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	121.50	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	71.78	150.0
	Matter	O,	3685/D 3685M-98 (reapproved 2005):			
			Sec 11 (Vol 3 11 07) · 2011			

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:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi





Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant		
Address	:	Banskopa, Rajbandh, Durgapur, Pascl					Sampling Date : 16.09.20						
		Bardhai	man	, Pin - 713212			Period of analysis			:	16.09.2022 - 17.09.2022		
							Date of Issue				19.09.2022		
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan		No	Type of	:	Stack
										Sample		Emission	
Sample ID No. : ENV/68/Sep./A/XV						Report No.	:	ENV/68/Sep./T	R(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	Height of Stack (mtr.) (from G. L.)	:	7.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.20
Capacity	:	500 KVA	Height of sampling port (mtr.) (from G.L.)	:	Final Exhaust
Emission Due to	:	Combustion of H.S.D			
Fuel Used	:	H.S.D	Permanent Platform & Laddo	er	: No
Working Fuel Consumption	:	50 – 60 litr./hr.	and the same		
Pollution Control Device	:	Nil			

# **B. RESULTS**

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	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	Nm³/hr.	IS: 11255 (Part III)		1100.15	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	71.28	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	64.47	150.0
	Matter	<u>.</u>	3685/D 3685M-98 (reapproved 2005):			
			Sec. 11 (Vol. 3 11.07) : 2011			

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:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant				
Address	:	Banskoj	pa, I	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sampling Date				16.09.2022	16.09.2022			
		Bardhai	man	, Pin - 713212			Period of analysis			:	16.09.2022 - 17.09.2022				
							Date of Issue			:	19.09.2022				
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan		No	Type of	:	Stack		
										Sample		Emission			
Sample ID No. : ENV/68/Sep./A/XVI						Report No.	:	ENV/68/Sep./T	R(A	)/XV	I/22-23				

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	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	Nm³/hr.	IS : 11255 (Part III)	:	270.89	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	55.84	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	61.48	150.0
	Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			

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:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant				
Address	:	Banskopa, Rajbandh, Durgapur, Pascl					Sampling Date				16.09.2022	16.09.2022			
		Bardhai	man	, Pin - 713212			Period of analysis			:	16.09.2022 - 17.09.2022				
							Date of Issue			:	19.09.2022				
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack		
										Sample		Emission			
Sample ID No. : ENV/68/Sep./A/XVII						Report No.	:	ENV/68/Sep./T	R(A	)/XV	II/22-23				

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	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	Nm³/hr.	IS : 11255 (Part III)	:	1179.90	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	62.47	N.A.
6.	Concentration of CO <sub>2</sub>	% (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	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	51.79	150.0
	Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			

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:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

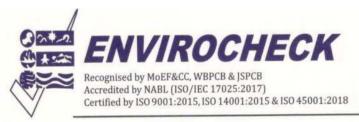
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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit	# IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskopa,	Ra	jbandh, Durgapu	r, Paschim B	urdwan, Pin	Samj	oling Date		:	12.07.2022		
		- 713212					Period of analysis			:	16.07.2022 - 16.07.2022		
							Date	of Issue		:	18.07.2022		
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation f	rom the Samp	pling Method and Plan : No Type of :				Stack		
							Sample			Emission			
Sample ID No	. ]	: ENV/25	/Ju	ly/A/I		Report No.	:	ENV/25/July/T	R(A	I/2	2-23		

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln (No.1 & 2) attached (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/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	r	:	Yes	
Working Fuel Consumption	:	4.1 MT/hr./Kiln			•		
Pollution Control Device	:	E.S.P					

# **B. RESULTS**

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	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	Nm³/hr.	IS : 11255 (Part III)	:	19016.80	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	510.34	N.A.
6.	Concentration of NO <sub>x</sub>	mg/Nm <sup>3</sup>	IS: 11255 (Part 7) 2005 & ASTM D 1608-98	:	162.23	N.A.
			reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011			
7.	Concentration of CO <sub>2</sub>	% (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			:	38.64	N.A.
	Matter (at 11% CO <sub>2</sub> )	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D			
	b) Concentration of Particulate		3685/D 3685M-98 (reapproved 2005):	:	42.15	150.0
	Matter (at 12% CO <sub>2</sub> )		Sec. 11 (Vol. 3 11.07): 2011			

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:

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indrani Bhattacharyya

Approved By:

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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit	# IV)		Type of Industry				Steel Plant			
Address	:	Banskopa,	Ra	jbandh, Durgapu	r, Paschim Bı	urdwan, Pin	Samj	oling Date		:	12.07.2022			
		- 713212					Period of analysis				16.07.2022 - 16.07.2022			
							Date	of Issue		:	18.07.2022			
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack	
											Sample		Emission	
Sample ID No	. ]	: ENV/25	/Ju	ly/A/II		Report No.	:	ENV/25/July/T	$R(\overline{A})$	)/II/2	22-23			

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln (No.3 & 4) attached to common sta	ck 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.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	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	Nm³/hr.	IS : 11255 (Part III)	:	21966.12	N.A.
5.	Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	:	549.01	N.A.
6.	Concentration of NO <sub>x</sub>	mg/Nm <sup>3</sup>	IS: 11255 (Part 7) 2005 & ASTM D 1608-98	:	149.19	N.A.
			reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011			
7.	Concentration of CO <sub>2</sub>	% (v/v)	IS 13270 1992 RA 2003	:	11.6	N.A.
3.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
9.	a) Concentration of Particulate			:	36.76	N.A.
	Matter (at 11.6% CO <sub>2</sub> )	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D			
	b) Concentration of Particulate		3685/D 3685M-98 (reapproved 2005):	:	38.02	150.0
	Matter (at 12% CO <sub>2</sub> )		Sec. 11 (Vol. 3 11.07): 2011			

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:

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indrani Bhattacharyya

Approved By:

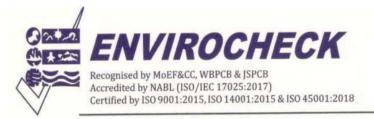
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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit	# IV)		Type of Industry			:	Steel Plant			
Address	:	Banskopa,	Ra	jbandh, Durgapu	r, Paschim B	urdwan, Pin	Samj	oling Date		:	12.07.2022			
		- 713212					Period of analysis				16.07.2022 - 16.07.2022			
							Date	of Issue		:	18.07.2022			
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack	
											Sample		Emission	
Sample ID No	. ]	: ENV/25	NV/25/July/A/III Report No. : ENV/25/July/TR(A)/I											

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Coal Crusher			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.24
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.45
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	10.6
Emission Due to	:	During Processing			
Fuel Used	:	N.A.	Permanent Platform & Ladder	1	: Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter			

# **B. RESULTS**

ue Gas Temperature	оС	IS : 11255 (Part 1)	-	<b>F</b> 2.0	
		: ===== (		52.0	N.A.
arometric Pressure	mm of Hg.		:	757.0	N.A.
elocity of Gas flow	m/s	IS : 11255 (Part 3)	:	8.70	N.A.
uantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	4547.02	N.A.
oncentration of Particulate	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	14.46	150.0
atter		3685/D 3685M-98 (reapproved 2005) :			
		Sec. 11 (Vol. 3 11.07) : 2011			
ב ב ב	locity of Gas flow antity of Gas flow ncentration of Particulate	locity of Gas flow m/s antity of Gas flow Nm³/hr. ncentration of Particulate mg/Nm³	Included   Included	IS : 11255 (Part 3)   :	IS : 11255 (Part 3)   : 8.70

Remarks : Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].

: N.A. means Not Available.

Reviewed By:

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Indrani Blattacharyya

Approved By:

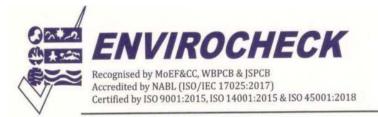
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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit	# IV)		Туре	of Industry		:	Steel Plant			
Address	:	Banskopa,	Ra	jbandh, Durgapu	r, Paschim B	urdwan, Pin	Samj	oling Date		:	12.07.2022			
		- 713212					Period of analysis				16.07.2022 - 16.07.2022			
							Date	of Issue		:	18.07.2022			
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack	
											Sample		Emission	
Sample ID No	. ]	: ENV/25	IV/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	Height of Stack (mtr.) (from G. L.)	:	15.24
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.45
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	10.6
Emission Due to	:	During Processing			
Fuel Used	:	N.A.	Permanent Platform & Ladder	1	: Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter			

# **B. RESULTS**

	UNIT	METHOD NO.		RESULTS	LIMIT
Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	50.0	N.A.
Barometric Pressure	mm of Hg.		:	757.0	N.A.
Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.23	N.A.
Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	4854.85	N.A.
Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	26.23	150.0
Matter		3685/D 3685M-98 (reapproved 2005) :			
		Sec. 11 (Vol. 3 11.07) : 2011			
	Velocity of Gas flow Quantity of Gas flow Concentration of Particulate	Velocity of Gas flow m/s  Quantity of Gas flow Nm³/hr.  Concentration of Particulate mg/Nm³	Velocity of Gas flow m/s IS : 11255 (Part 3)  Quantity of Gas flow Nm³/hr. IS : 11255 (Part III)  Concentration of Particulate mg/Nm³ IS 11255 (Part – 1) 1985 RA 2003 & ASTM D  Matter 3685/D 3685M-98 (reapproved 2005) :	Velocity of Gas flow         m/s         IS : 11255 (Part 3)         :           Quantity of Gas flow         Nm³/hr.         IS : 11255 (Part III)         :           Concentration of Particulate         mg/Nm³         IS 11255 (Part - 1) 1985 RA 2003 & ASTM D         :           Matter         3685/D 3685M-98 (reapproved 2005) :	Velocity of Gas flow       m/s       IS: 11255 (Part 3)       : 9.23         Quantity of Gas flow       Nm³/hr.       IS: 11255 (Part III)       : 4854.85         Concentration of Particulate       mg/Nm³       IS 11255 (Part - 1) 1985 RA 2003 & ASTM D       : 26.23         Matter       3685/D 3685M-98 (reapproved 2005) :

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

Reviewed By:

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#### FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaji Ir	ıdu	stries Ltd. (Unit ‡	# IV)		Type of Industry				Steel Plant			
Address	:	Banskopa,	Ra	bandh, Durgapui	r, Paschim Bı	urdwan, Pin	Samj	oling Date		:	12.07.2022			
		- 713212					Period of analysis				16.07.2022 - 16.07.2022			
							Date	of Issue		:	18.07.2022			
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack	
											Sample		Emission	
Sample ID No		: ENV/25	/Ju	ly/A/V		ENV/25/July/T	R(A	V/V/2	22-23					

#### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

# **B. RESULTS**

Flue Gas Temperature					
riue das reinperature	oC	IS : 11255 (Part 1)	:	63.0	N.A.
Barometric Pressure	mm of Hg.		:	757.0	N.A.
Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.17	N.A.
Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	5136.82	N.A.
Concentration of Particulate	mg/Nm <sup>3</sup>	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	53.65	150.0
Matter		3685/D 3685M-98 (reapproved 2005) :			
		Sec. 11 (Vol. 3 11.07) : 2011			
	Velocity of Gas flow Quantity of Gas flow Concentration of Particulate	Velocity of Gas flow m/s  Quantity of Gas flow Nm³/hr.  Concentration of Particulate mg/Nm³	Velocity of Gas flow m/s IS : 11255 (Part 3)  Quantity of Gas flow Nm³/hr. IS : 11255 (Part III)  Concentration of Particulate mg/Nm³ IS 11255 (Part – 1) 1985 RA 2003 & ASTM D  Matter 3685/D 3685M-98 (reapproved 2005) :	Velocity of Gas flow       m/s       IS: 11255 (Part 3)       :         Quantity of Gas flow       Nm³/hr.       IS: 11255 (Part III)       :         Concentration of Particulate       mg/Nm³       IS 11255 (Part - 1) 1985 RA 2003 & ASTM D       :         Matter       3685/D 3685M-98 (reapproved 2005) :	Velocity of Gas flow       m/s       IS: 11255 (Part 3)       : 10.17         Quantity of Gas flow       Nm³/hr.       IS: 11255 (Part III)       : 5136.82         Concentration of Particulate       mg/Nm³       IS 11255 (Part - 1) 1985 RA 2003 & ASTM D       : 53.65         Matter       3685/D 3685M-98 (reapproved 2005) :

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

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# **ANNEXURE 2**





FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)					Type of Industry :			:	Steel Plant			
Address	:	Banskoj	oa, I	Rajbandh, Durga <sub>l</sub>	our, Paschim	ļ.	Sampling Date				14.09.2022 - 15.09.2022			
		Bardhaman, Pin - 713212					Period of analysis			:	16.09.2022 - 17.09.2022			
							Date of Issue			:	19.09.2022			
Sampling Plan & Procedure : ENV/SOP/01 Deviation for				rom the Samp	m the Sampling Method and Plan :			No	Type of	:	Ambient Air			
										Sample				
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

Average Temperature (°C) : 28.0
 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 <sub>2.5</sub>	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.22	60.0
2.	Concentration of PM <sub>10</sub>	μg/m³	IS 5182 (PART 23) : 2006	89.50	100.0
3.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	18.08	80.0
			2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	36.51	80.0
			2005 : Sec. 11 (Vol. 11.07) : 2011		

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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FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	dustries Ltd. (Un		Type of Industry			:	Steel Plant				
Address	:	Banskoj	pa, l	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sampling Date			:	14.09.2022 - 15.09.2022		
		Bardhaman, Pin - 713212					Period of analysis			:	16.09.2022 - 17.09.2022		
							Date of Issue			:	19.09.2022		
Sampling Plan & Procedure : ENV/SOP/01 Deviation				Deviation fr	rom the Samp	om the Sampling Method and Plan :			No	Type of	:	Ambient Air	
										Sample			
Sample ID No.   :   ENV/68/Sep./A/XIX   Report No.   :   ENV/68/Sep./TR(A)/XIX/22-23													

#### A] GENERAL INFORMATION

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

#### B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 28.0
 Average Relative Humidity (%) : 84.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

#### C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		70000			
1.	Concentration of PM <sub>2.5</sub>	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	57.13	60.0
2.	Concentration of PM <sub>10</sub>	μg/m³	IS 5182 (PART 23) : 2006	93.50	100.0
3.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	21.50	80.0
			2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	36.19	80.0
		100	2005 : Sec. 11 (Vol. 11.07) : 2011		

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

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Type of Industry				Steel Plant			
Address	:	Banskoj	oa, I	Rajbandh, Durgaj	our, Paschim		Sampling Date : 14.09.2022 – 15.09					5.09.2022		
		Bardhar	nan	, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022			
							Date of Issue				19.09.2022			
Sampling Plan 8	l Pr	ocedure		ENV/SOP/01	Deviation fr	rom the Samp	ling N	lethod and Plan		No	Type of	:	Ambient Air	
											Sample			
Sample ID No. : ENV/68/Sep./A/XX						Report No.	:	ENV/68/Sep./T	R(A	)/XX	/22-23			

**GENERAL INFORMATION** A]

Near Raw Materials Yard (Southern Side) 1. Location of Sampling

2. : 24 hrs. (10:30 a.m. - 10:30 a.m.) **Duration of Sampling** 

**METEOROLOGICAL INFORMATION** B]

28.0 1. Average Temperature (°C) 2. Average Relative Humidity (%) 84.0

Barometric Pressure (mm of Hg) 3. 752.0

Smell or Odour No Remarkable Smell 4. Weather Condition

#### C]**RESULTS**

5.

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM <sub>2.5</sub>	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.91	60.0
2.	Concentration of PM <sub>10</sub>	μg/m³	IS 5182 (PART 23) : 2006	91.26	100.0
3.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	12.46	80.0
			2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	29.96	80.0
			2005 : Sec. 11 (Vol. 11.07) : 2011		

Cloudy

: 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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: UAE - Qatar - Netherlands Overseas





FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskoj	oa, l	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sampling Date : 15.09.2022 - 16.0					6.09.2022	
		Bardhar	nar	ı, Pin - 713212			Perio	od of analysis		:	16.09.2022 - 17.09.2022		
							Date of Issue : 19.09.2022						
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan		No	Type of	:	Ambient Air
											Sample		
Sample ID No.	ENV/68	ep./A/XXI		Report No.	:	ENV/68/Sep./T	R(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

Average Temperature (°C) : 29.0
 Average Relative Humidity (%) : 80.0
 Barometric Pressure (mm of Hg) : 751.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

#### C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO. 1.	Concentration of PM <sub>2.5</sub>	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	49.12	60.0
2.	Concentration of PM <sub>10</sub>	μg/m <sup>3</sup>	IS 5182 (PART 23) : 2006	86.48	100.0
3.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	8.24	80.0
			2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	26.52	80.0
			2005 : Sec. 11 (Vol. 11.07) : 2011		

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

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Type of Industry				Steel Plant		
Address	:	Banskoj	oa, I	Rajbandh, Durga <sub>l</sub>	our, Paschim	ļ.	Sampling Date : 15.09.2022 – 16					6.09.2022	
		Bardhar	nar	ı, Pin - 713212			Perio	od of analysis		:	16.09.2022 - 17.09.2022		
							Date of Issue : 19.09.2022						
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Ambient Air
											Sample		
Sample ID No.	ENV/68	p./A/XXII		Report No.	:	ENV/68/Sep./T	R(A	)/XX	1/22-23				

#### 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

Average Temperature (°C) : 29.0
 Average Relative Humidity (%) : 80.0
 Barometric Pressure (mm of Hg) : 751.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

#### C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		70000			
1.	Concentration of PM <sub>2.5</sub>	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	51.27	60.0
2.	Concentration of PM <sub>10</sub>	μg/m³	IS 5182 (PART 23) : 2006	84.12	100.0
3.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	11.85	80.0
			2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	30.04	80.0
			2005 : Sec. 11 (Vol. 11.07) : 2011		

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

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

Dr. AJOY PAUL Quality Manager

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi

# **ANNEXURE 3**





FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaji	In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskopa	a, F	Rajbandh, Durgap	our, Paschim		Sam	pling Date		:	14.09.2022		
		Bardham	ıan	, Pin - 713212		Period of analysis				16.09.2022 - 17.09.2022			
							Date of Issue			:	19.09.2022		
Sampling Plan &	. Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Work Zone
											Sample		Air
Sample ID No.	ENV/68/	Report No.	:	ENV/68/Sep./T	R(A	)/XX	II/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

Average Temperature (°C) : 35.0
 Average Relative Humidity (%) : 72.0
 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/m³	NIOSH 0500 : 1994	410.54	5000.0

: Limit as per the Factory Act – 1948.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indraui Blattackeryja

Approved By:

Dr. AJOY PAUL Quality Manager

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi









Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un		Туре	e of Industry		:	Steel Plant		2	
Address	:	Banskop	a, l	Rajbandh, Durgap	our, Paschim	-	Sampling Date : 14.09.2022						
		Bardhan	naman, Pin - 713212				Period of analysis			:	16.09.2022	- 1	7.09.2022
							Date	of Issue		: 19.09.2022			. 3
Sampling Plan &	Pr	ocedure	:	ENV/SOP/01	Deviation fr	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Work Zone
											Sample		Air
Sample ID No.   : ENV/68/Sep./A/XXIII   Report No.   : ENV/68/Sep./TR(A)/XXIII/22-23									R(A	)/XXI	II/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

Average Temperature (°C) : 35.0
 Average Relative Humidity (%) : 72.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

#### C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		E SPE SUI			
1.	Concentration of RPM	μg/m <sup>3</sup>	IS 5182 (PART 23) : 2006	212.63	N.A.
2.	Concentration of $SO_2$	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	21.70	N.A.
			reapproved 2007: Sec. 11 (Vol. 11.07) : 2011		
3.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	34.27	N.A.
	A 6	Ellina.	reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskoj	oa, l	Rajbandh, Durga <sub>l</sub>	our, Paschim		Sampling Date : 14.09.20						
		Bardhar	nar	ı, Pin - 713212			Period of analysis				16.09.2022 - 17.09.2022		
							Date of Issue : 19.09.2022						
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan		No	Type of	:	Work Zone
											Sample		Air
Sample ID No.	ENV/68	p./A/XXIV		Report No.	:	ENV/68/Sep./T	R(A	)/XX	V/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

Average Temperature (°C) : 31.0
 Average Relative Humidity (%) : 80.0
 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/m³	NIOSH 0500 : 1994	361.16	5000.0

s: Limit as per the Factory Act – 1948.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indraui Blattackeryge

Approved By:

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FORMAT	NO	· ENV	/FM	/57
IUMIAI	110		/ I I'I	,,,

Name of the Industry	:	Jai Balaji I	ndustries Ltd. (Un	it# IV)		Туре	of Industry		:	Steel Plant		0
Address	:	Banskopa,	Rajbandh, Durgaj	our, Paschim		Sampling Date			: _	14.09.2022		
		Bardhama	Bardhaman, Pin - 713212				Period of analysis			16.09.2022	- 1	7.09.2022
						Date	of Issue		:	19.09.2022		
Sampling Plan &	l Pr	ocedure :	ENV/SOP/01	Deviation fr	rom the Sampl	ing M	lethod and Plan	:	No	Type of		Work Zone
									6	Sample		Air
Sample ID No.	ENV/68/S		Report No.	:	ENV/68/Sep./T	R(A)	/XXI	IV/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

Barometric Pressure (mm of Hg)

Average Temperature (°C) : 31.0
 Average Relative Humidity (%) : 80.0

4. Smell or Odour : No Remarkable Smell

#### C] RESULTS

3.

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	μg/m³	IS 5182 (PART 23) : 2006	162.54	N.A.
2.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	14.46	N.A.
		A STORY A	reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
3.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	32.35	N.A.
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

752.0

Remarks : N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

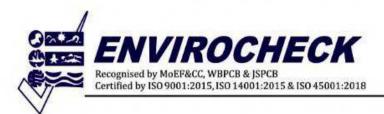
Dr. AJOY PAUL Quality Manager

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FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	ddress : Banskopa, Rajbandh, Durgapur, Paschi							pling Date	:	14.09.2022			
		Bardhai	nar	ı, Pin - 713212			Period of analysis			:	16.09.2022 - 17.09.2022		
							Date	of Issue		:	19.09.2022		
Sampling Plan 8	k Pro	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan		No	Type of	:	Work Zone
											Sample		Air
Sample ID No. : ENV/68/Sep./A/XXV						Report No.	:	ENV/68/Sep./T	R(A	)/XXV	1/22-23		

#### 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

Average Temperature (°C) : 34.0
 Average Relative Humidity (%) : 78.0
 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/m³	NIOSH 0500:1994	320.52	5000.0

Remarks : Limit as per the Factory Act - 1948.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indrawi Bhattacharyya

Approved By:

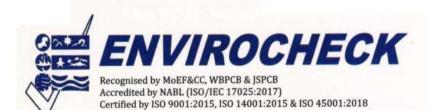
Dr. AJOY PAUL Quality Manager

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FORMAT NO : ENV/FM/57

Name of the	:	Jai Balaji I	ndustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant	
Industry											2
Address		Banskopa	Rajbandh, Durgaj	our, Paschim	-	Samj	oling Date			14.09.2022	
		Bardhama	n, Pin - 713212		Period of analysis			1:1	16.09.2022	- 17.09.2022	
					17	Date	of Issue	- 1	:	19.09.2022	. 3
Sampling Plan 8	l Pr	ocedure :	ENV/SOP/01	Deviation fr	rom the Sampli	ing M	lethod and Plan	:	No	Type of	: Work Zone
								Sample	Air		
Sample ID No.	ENV/68/S	Sep./A/XXV		Report No.	:	ENV/68/Sep./T	R(A)	/XXV	V/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

Average Temperature (°C) : 34.0
 Average Relative Humidity (%) : 78.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

#### C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		ESPECIE	FARE STATE OF THE PARTY OF THE		
1.	Concentration of RPM	μg/m <sup>3</sup>	IS 5182 (PART 23) : 2006	162.61	N.A.
2.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	11.45	N.A.
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
3.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	32.59	N.A.
	A 100		reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	ddress : Banskopa, Rajbandh, Durgapur, Paschi							Sampling Date			15.09.2022		
		Bardhar	nar	ı, Pin - 713212			Period of analysis			:	16.09.2022 - 17.09.2022		
							Date	of Issue		:	19.09.2022		
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan		No	Type of	:	Work Zone
											Sample		Air
Sample ID No. : ENV/68/Sep./A/XXVI						Report No.	:	ENV/68/Sep./T	R(A	)/XXV	VI/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

Average Temperature (°C) : 34.0
 Average Relative Humidity (%) : 68.0
 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/m³	NIOSH 0500:1994	261.43	5000.0

arks: Limit as per the Factory Act – 1948.

Reviewed By:

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Indrawi Blattackaryja

Approved By:

Dr. AJOY PAUL Quality Manager

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#### FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Bala	ji In	dustries Ltd. (Un	it # IV)		Туре	of Industry			Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim	71	Sam	pling Date			15.09.2022		
1,000		Bardhai	rdhaman, Pin - 713212				Period of analysis			:::	16.09.2022	- 1	7.09.2022
							Date	of Issue		:	19.09.2022		
Sampling Plan 8	k Pr	ocedure	:	ENV/SOP/01	Deviation fr	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Work Zone
							-				Sample		Air
Sample ID No. : ENV/68/Sep./A/XXVI						Report No.		ENV/68/Sep./T	R(A	)/XXV	VI/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

Average Temperature (°C) : 34.0
 Average Relative Humidity (%) : 68.0

3. Barometric Pressure (mm of Hg) : 751.0

4. Smell or Odour : No Remarkable Smell

### C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	μg/m³	IS 5182 (PART 23) : 2006	146.73	N.A.
2.	Concentration of SO <sub>2</sub>	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	12.05	N.A.
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
3.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	36.19	N.A.
		ALT THE	reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

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Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi





FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskoj	pa,	Rajbandh, Durgaj	our, Paschim		Sam	pling Date		:	15.09.2022		
		Bardhai	nar	ı, Pin - 713212			Peri	od of analysis		:	16.09.2022	- 1	7.09.2022
							Date	of Issue			19.09.2022		
Sampling Plan 8	k Pro	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling N	lethod and Plan		No	Type of	:	Work Zone
											Sample		Air
Sample ID No. : ENV/68/Sep./A/XXVII						Report No.	:	ENV/68/Sep./T	'R(A	)/XX	VII/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

Average Temperature (°C) : 31.5
 Average Relative Humidity (%) : 67.0
 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/m³	NIOSH 0500:1994	242.80	5000.0

Remarks : Limit as per the Factory Act - 1948.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indrawi Blattacharyja

Approved By:

Dr. AJOY PAUL Quality Manager

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<b>FORMAT</b>	NO:	<b>ENV</b>	/FM	/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	e of Industry		:	Steel Plant		2
Address	:	Banskop	a, l	Rajbandh, Durgaj	our, Paschim		Sam	pling Date		: 1	15.09.2022		
		Bardhan	nar	, Pin - 713212		Period of analysis				16.09.2022	- 1	7.09.2022	
							Date	of Issue		:	19.09.2022		
Sampling Plan &	l Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of		Work Zone
											Sample		Air
Sample ID No. : ENV/68/Sep./A/XXVII Repo								ENV/68/Sep./T	R(A	)/XX	VII/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

Average Temperature (°C) : 31.5
 Average Relative Humidity (%) : 67.0
 Barometric Pressure (mm of Hg) : 756.0

4. Smell or Odour : No Remarkable Smell

#### C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.	766		the state of the s		
1.	Concentration of RPM	μg/m³	IS 5182 (PART 23) : 2006	168.50	N.A.
2.	Concentration of $SO_2$	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	11.80	N.A.
		CHANGE IN	reapproved 2007: Sec. 11 (Vol. 11.07) : 2011		
3.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	32.50	N.A.
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

Dr. AJOY PAUL Quality Manager

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Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi





FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskoj	oa, l	Rajbandh, Durga <sub>l</sub>	our, Paschim		Samj	oling Date		:	15.09.2022		
		Bardhar	nar	ı, Pin - 713212			Perio	od of analysis		:	16.09.2022	- 1	7.09.2022
							Date	of Issue		:	19.09.2022		
Sampling Plan &	l Pr	ocedure	:	ENV/SOP/01	Deviation f	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Work Zone
											Sample		Air
Sample ID No. : ENV/68/Sep./A/XXVIII						Report No.	:	ENV/68/Sep./T	R(A	)/XXV	VIII/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

Average Temperature (°C) : 31.5
 Average Relative Humidity (%) : 66.5
 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/m³	NIOSH 0500 : 1994	246.50	5000.0

Remarks : Limit as per the Factory Act - 1948.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indrawi Brattacharyja

Approved By:

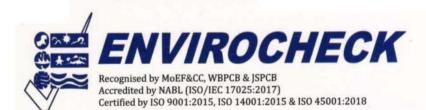
Dr. AJOY PAUL Quality Manager

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Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi









FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji	In	dustries Ltd. (Un	it # IV)		Турє	of Industry		:	Steel Plant		2
Address		Banskopa	a, F	Rajbandh, Durgap	our, Paschim		Sam	oling Date		:	15.09.2022		
		Bardham	aman, Pin - 713212					Period of analysis			16.09.2022	- 1	7.09.2022
							Date	of Issue		:	19.09.2022		
Sampling Plan &	Pro	ocedure	:	ENV/SOP/01	Deviation fr	rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Work Zone
					2.0						Sample		Air
Sample ID No.		ENV/68/	Se	p./A/XXVIII		Report No.	:	ENV/68/Sep./T	R(A)	/XXV	VIII/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

Barometric Pressure (mm of Hg)

Average Temperature (°C) : 31.5
 Average Relative Humidity (%) : 66.5

4. Smell or Odour : No Remarkable Smell

#### C] RESULTS

3.

SL.	PARAMETERS	PARAMETERS UNIT METHOD NO.			
NO.			The Management of the Control of the		
1.	Concentration of RPM	μg/m³	IS 5182 (PART 23) : 2006	156.80	N.A.
2.	Concentration of $SO_2$	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	12.80	N.A.
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
3.	Concentration of NO <sub>2</sub>	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	34.50	N.A.
		The same	reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

756.0

Remarks : N.A. means Not Available.

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

Dr. AJOY PAUL Quality Manager

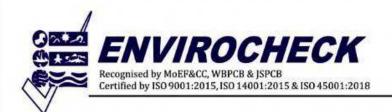
H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141

Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889

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Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi

# **ANNEXURE 4**





# TEST REPORT

Name of the		:	Jai Balaji Ind	dust	ustries Ltd. (Unit # IV)					Туре	of Industry	:	Steel Plant
Industry													.60
Address		:	Banskopa, R	Rajba	andh, Durga	ipui	, Paschi	m		Samp	oling Date	:	14.09.2022
			Burdwan, Pi	in - '	713212					Perio	od of Analysis	:	16.09.2022 - 19.09.2022
										Date	of Issue	:	21.09.2022
Sampling Plan	&		ENV/SOP/0	1	Deviation	froi	n the	:		No	Type of	:	Industrial Effluent Water
Procedure					Sampling	Met	hod				Sample		(Grab)
			400		and Plan								
Location :	: E	E.T.	P Inlet	Sai	nple ID	:	ENV/1	8/S	ep.,	/W/I	Report No.	:	ENV/18/Sep./TR(W)/I/22-
				No	1								23

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

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

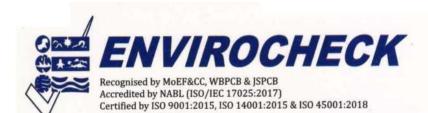
Dr. AJOY PAUL Quality Manager

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# TEST REPORT

Name of the Industry	:	Jai Balaji Ind	ust	ries Ltd. (Ur	nit #	# IV)			Туре	of Industry	:	Steel Plant
Address	:	Banskopa, Ra	ajba	ındh, Durga	pui	r, Paschii	n		Samp	oling Date	:	14.09.2022
		Burdwan, Pir	n - 7	713212					Perio	d of Analysis	:	16.09.2022 - 19.09.2022
									Date	of Issue	:	21.09.2022
Sampling Plan &	: :	ENV/SOP/01	1	Deviation	fro	m the		I	No	Type of		Industrial Effluent Water
Procedure				Sampling l	Met	hod				Sample		(Grab)
		ASS		and Plan	i.	To the last						
Location :	E.T	.P Inlet	Sar	nple ID		ENV/18	3/S	ep./	W/I	Report No.		ENV/18/Sep./TR(W)/I/22-
		1900	No									23

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

Indraui Brattacharyja

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical **Approved By:** 

Dr. A IOV PA

Dr. AJOY PAUL Quality Manager

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# TEST REPORT

Name of the	:	Jai Balaji Ind	lustr	ries Ltd. (Ur	nit i	# IV)			Type	of Industry	:	Steel Plant		
Industry														
Address	:	Banskopa, Rajbandh, Durgapur, Paschim			Sampling Date			14.09.2022						
		Burdwan, Pi	n - 7	713212					Period of Analysis		Period of Analysis		:	16.09.2022 - 19.09.2022
									Date of Issue		:	21.09.2022		
Sampling Plan &	:	ENV/SOP/01	1	Deviation	fro	m the	:   N		No	Type of	:	Industrial Effluent Water		
Procedure				Sampling l	Met	thod				Sample		(Grab)		
		-		and Plan										
Location :	E.T.	P Outlet	San	nple ID	:	ENV/1	3/S	ep.,	/W/II	Report No.	:	ENV/18/Sep./TR(W)/II/22		
			No.									-23		

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

Reviewed By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:

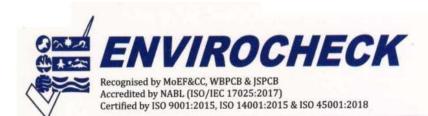
Dr. AJOY PAUL Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141

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# TEST REPORT

Name of the : Jai E Industry		Jai Balaji Ind	dustries Ltd. (Unit # IV)			Type of Industry			Steel Plant							
Address :		Banskopa, F	Banskopa, Rajbandh, Durgapur, Paschim				Sampling Date			14.09.2022						
		Burdwan, P	in - '	713212					Period of Analysis		Period of Analysis		Period of Analysis		:	16.09.2022 - 19.09.2022
4,-1									Date	of Issue	:	21.09.2022				
Sampling Plan &	:	ENV/SOP/0	)1	Deviation	fro	m the	:	N	lo	Type of	:	Industrial Effluent Water				
Procedure				Sampling l	Met	thod				Sample		(Grab)				
-		.48		and Plan							T					
Location :	E.T.	P Outlet	Sai	nple ID	:	ENV/18	ENV/18/Sep.,		/W/II Report No.		:	ENV/18/Sep./TR(W)/II/22				
		1	No	- US I								-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 Dy. Technical Manager, Chemical

Indraui Blattackeryja

Approved By:

Dr. A IOV PA

Dr. AJOY PAUL Quality Manager

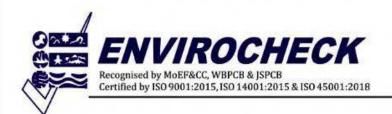
H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141

Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889

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Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi

# **ANNEXURE 5**





# TEST REPORT

:	Jai Balaji Industries Ltd. (Unit # IV)			Type of Industry				Steel P	lant		
			Durgapur, Pasch	nim Burdwan,	Sampling Date :				15.09.2	2022	2
Pin - 713212					Period of Analysis			:	16.09.2022 - 21.09.2022		2 - 21.09.2022
					Da	ite of Issi	ıe	:	23.09.2	2022	2
	:	ENV/SOP/01	Deviation from	the Sampling	:	No	Type o	f Sa	mple	:	Drinking Water
			Method and Pla	an							
Location : Tap of Ferro Division		of Ferro Division		ULR No.		: TC6	6014220	000	00315P		
	: : : T	: Ba Pir	: Banskopa, Rajbandh, Pin - 713212 : ENV/SOP/01	: Banskopa, Rajbandh, Durgapur, Pasch Pin - 713212 : ENV/SOP/01 Deviation from Method and Pla	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212  : ENV/SOP/01 Deviation from the Sampling Method and Plan	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212  : ENV/SOP/01 Deviation from the Sampling Method and Plan	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212  : ENV/SOP/01 Deviation from the Sampling Method and Plan  Sampling Deviation from the Sampling Method and Plan	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212  : Period of Analysis Date of Issue  : ENV/SOP/01 Deviation from the Sampling Method and Plan  : No Type o	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212  : Period of Analysis : Date of Issue :  ENV/SOP/01 Deviation from the Sampling Method and Plan  : No Type of Sampling Method and Plan	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212  : ENV/SOP/01 Deviation from the Sampling Method and Plan    Sampling Date   : 15.09.2   Period of Analysis   : 16.09.2   Date of Issue   : 23.09.2   Type of Sample	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212 : Period of Analysis : 15.09.202: Date of Issue : 23.09.202: Date of Issue : 23.09.202: Show the sampling Method and Plan

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS	10500 : 2012)
					Acceptable	Permissible
1.	рН	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 <sup>rd</sup> 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:

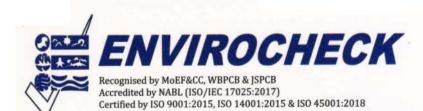
INDRANI BHATTACHARYA
 Dy. Technical Manager, Chemical

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# TEST REPORT

Name of the	:	Jai Balaji Industri	es Ltd. (Unit # IV) Type of I			Industry	у :	Steel P	lant	į.
Industry										
Address	:	Banskopa, Rajbai	dh, Durgapur, Paschim Sampling Date			:	15.09.2022			
		Burdwan, Pin - 7	13212	Period of Analysis		sis :	16.09.	16.09.2022 - 21.09.2022		
		- 1		D	ate of	Issue	:	23.09.	202	2
Sampling Plan &	:	ENV/SOP/01	Deviation from the Sampling	:	No	Ty	pe of Sa	mple	:	Drinking Water
Procedure			Method and Plan			V. Uni				
Location : '	ocation : Tap of Ferro Division ULR No. : TC6014220		220000	000315P						

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 1	0500 : 2012)
					Acceptable	Permissible
1.	Total Solids	APHA 23 <sup>rd</sup> Ed., 2540 B : 2017	mg/l	610.0	N.A.	N.A.
2.	Dissolved Oxygen	APHA 23 <sup>rd</sup> Ed., 4500 O-C: 2017	mg/l	7.8	N.A.	N.A.
3.	COD	APHA 23 <sup>rd</sup> Ed., 5220 B/C/D: 2017	mg/l	<5.0	N.A.	N.A.
4.	BOD [3 Day's at 27°C]	APHA 23 <sup>rd</sup> Ed., 5210 B: 2017	mg/l	<2.0	N.A.	N.A.
5.	Chromite	Carlo	mg/l	BDL	N.A.	N.A.
	Conductivity	APHA 23 <sup>rd</sup> 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

Indraui Bhaltacharyya

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## TEST REPORT

Name of the			:	Jai Balaji Industri	ies Ltd. (Unit # IV)			pe o	f Ind	ustry	:	Steel P	lant	
Industry												. A		
Address			:	Banskopa, Rajbar	ndh, Durgapur, Pa	aschim	Sa	mpli	ing D	ate	:	15.09.2	2022	2
				Burdwan, Pin - 71	13212		Pe	Period of Analysis		nalysis	:	16.09.2	16.09.2022 - 17.09.2022	
							Da	ite o	f Issu	ie	:	23.09.2	2022	2
Sampling Plan	&		:	ENV/SOP/01	Deviation from	the Sampling	:	N	lo	Type o	f Sa	mple	:	Drinking Water
Procedure					Method and Plan									
Location	:	Т	ар	of Ferro Division		ULR No.		:	TC6	014220	000	00315P		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)
1.	Total Coliform	9222B, APHA 23 <sup>rd</sup> Ed., 2017	CFU/100ml.	<1.0	Shall not be detectable in any 100 ml. sample
2.	Fecal Coliform	9222D, APHA 23 <sup>rd</sup> 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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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi

# **ANNEXURE 6**





## TEST REPORT

1. N	Name of the	Industry	:	Jai Balaji Industrie	s Ltd. (Unit # IV)		
2. A	Address		:		a, P.O - Rajbandh, l	Durgapur,	District - Burdwa
	. 46	2		Pin - 713212		35	
	Гуре of Indu		:	Integrated Steel Pla	int		
		n & Procedure	:	ENV/SOP/02			
		m the Sampling Method & Plan	:	No			
	Гуре of Sam <sub>l</sub>	ole	:	Noise		8 8	
	Sample ID		:	440/EC/M/N		1 4	- T
8. F	Report ID		:	440/EC/M/TR(N)/	1/22-23		
9. E	Date of Study		:	26/09/2022	from home and the		
10. F	Reporting Da	nte	:	30/09/2022			
	Method No.		:	IS 15575 (Part 2), 2	2022	Water	
12. T	Time of Dura	tion of Noise	:	20 Minutes		ALC: U	
13. H	Height from	Ground Level	:	4 feet	100		
14. S	Sample Moni	toring by	:	Mr. Anup Singha	R. WILLIAM		
		RESULT OF NOIS	E LEV	EL STUDY		Ti	ime: 8:00 - 8:20 A.M
				DAY TIME			
1. Locat	tion: Raw M	laterial Yard (Coke Oven)			Sample Code	: (ENV/NO	ISE/01/21-22)
Sl. No.	Unit	Minimum	ľ	Maximum	Leq		Remarks
		dB(A)		dB(A)	dB(A)		
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	6	North Side
04.	dB(A)	64.2		72.7	70.26		South Side
			A	verage dB(A) Leq	71.36	Ø -	- , «

Reviewed By:

Dy. Quality Manager

Approved By:

**Quality Manager** 

>End of Report<

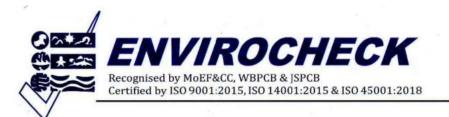
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## TEST REPORT

1. I	Name of the	Industry	:	Jai Balaji Industries Ltd	l. (Unit # IV)	
<b>2</b> . <i>I</i>	Address	K L	:			urgapur, District - Burdwai
	18	11		Pin - 713212		20
	Type of Indu		:	Integrated Steel Plant		1/2
		nn & Procedure	:	ENV/SOP/02		11
		om the Sampling Method & Plan	:	No		· # #
	Type of Sam	ple	:	Noise	30	f 3
	Sample ID		:	440/EC/M/N		Paralle San Commence
	Report ID		:	440/EC/M/TR(N)/2/22	2-23	
	Date of Study		:	26/09/2022		
	Reporting Da	ate	<u>:</u>	30/09/2022		
	Method No.		+:	IS 15575 (Part 2), 2022	2	
				20 Minutes		
		Ground Level	- :	4 feet		
14.	Sample Mon	<u> </u>	:	Mr. Anup Singha		m: 000 050 115
		RESULT OF NOISE	LEV	ELSIUDY		Time: 8:30 - 8:50 A.M
				DAY TIME		
2. Loca	tion : Prima	ry Crusher (Coke Oven)			Sample Code:	(ENV/NOISE/02/21-22)
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
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
			A	verage dB(A) Leq	77.88	

Reviewed By:

Dy. Quality Manager

Approved By:

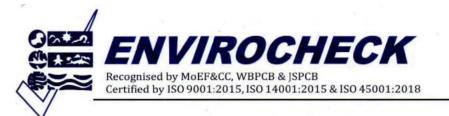
Quality Manager

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## TEST REPORT

	Name of the	Industry	:	, , , , , , , , , , , , , , , , , , , ,		IRO is at
2. A	Address		:	Village - Banskop Pin - 713212	a, P.O - Rajbandh, D	urgapur, District - Burdwan
3. T	Type of Indu	istry	:	Integrated Steel Pla	ant	37.7
4. S	Sampling Pla	an & Procedure	:	ENV/SOP/02		22
5. I	Deviation fro	om the Sampling Method & Plan	:	No		
	Type of Sam	ple	:	Noise		20 20
	Sample ID		:	-1 -1 1	9.0	9 8
	Report ID		<u>:</u>	-7 -1 1	3/22-23	37
	Date of Study		<u>:</u>	-1 - 1 -		A STATE OF THE STA
	Reporting D	ate	:	, ,	AND SUN COM	
	Method No.	E018/62/11	_ :	( ),	2022	
				20 Minutes		dilles
		Ground Level	:			
14. S	Sample Mon	<u> </u>	:	Mr. Anup Singha	A district to the same	TI 0.00 0.00 1.17
		RESULT OF NOIS	E LEV	EL STUDY		Time : 9:00 - 9:20 A.M
				DAY TIME		
3. Locat	tion : Secon	dary Crusher (Coke Oven)			Sample Code :	(ENV/NOISE/03/21-22)
Sl. No.	Unit	Minimum	1	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
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
			A	verage dB(A) Leq	77.95	P. S. C. S. C.

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

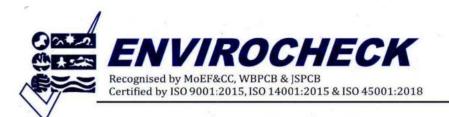
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## TEST REPORT

1. N	Name of the	Industry	:	Jai Balaji Industrie	s Ltd. (Unit # IV)		
<b>2.</b> A	Address		:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwar Pin - 713212			
3.	Гуре of Indu	strv	:	Integrated Steel Pl	ant	9.9	
		nn & Procedure	:			20	
		om the Sampling Method & Plan	:	No		. 18 6	
<b>6.</b> 1	Type of Sam	ple	:	Noise	4	2. 2	
7. 5	Sample ID		:	440/EC/M/N		7. 37	
8. I	Report ID		:	440/EC/M/TR(N)/	4/22-23		
9. I	Date of Study	y	:	26/09/2022			
10. I	Reporting Da	ate	:				
	Method No.		:	IS 15575 (Part 2),	2022		
	. Time of Duration of Noise		:	20 Minutes			
	3. Height from Ground Level			4 feet		(5) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	
14.	Sample Mon		<u>:</u>	Mr. Anup Singha		All Atlanta	
		RESULT OF NOIS	E LEV	EL STUDY		Time : 9:30 - 9:50 A.M	
				DAY TIME			
4. Locat	tion: Warf	(Coke Oven)			Sample Code : (	(ENV/NOISE/04/21-22)	
Sl. No.	Unit	Minimum	1	Maximum	Leq	Remarks	
		dB(A)		dB(A)	dB(A)		
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	
			A	verage dB(A) Leq	76.89		

Reviewed By:

Dy. Quality Manager

Approved By:

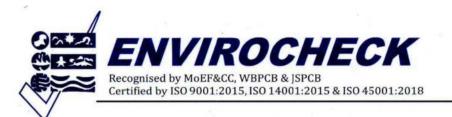
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>End of Report<

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## TEST REPORT

1.	Name of the	Industry	:	: Jai Balaji Industries Ltd. (Unit # IV)
2.	Address		:	B
	- 10	166		Pin - 713212
	Type of Indu		:	
		an & Procedure	:	ENV/SOP/02
		om the Sampling Method & Plan	:	
	Type of Sam	ple	:	
	Sample ID		:	-1 -1 1
	Report ID		:	-1 -1 1 ()1-1
	Date of Stud		:	-1 - 1
	Reporting D	ate	:	
	Method No.		:	
				20 Minutes
				4 feet
14.	Sample Mon	8 7	:	: Mr. Anup Singha
		RESULT OF NOI	SE LEV	VEL STUDY Time: 10:00 - 10:20 A
				DAY TIME
5. Loca	tion: Near	Battery - 1 (Coke Oven)		Sample Code: (ENV/NOISE/05/21-22)
Sl. No.	Unit	Minimum		Maximum Leq Remarks
		dB(A)		dB(A) dB(A)
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
			A	Average dB(A) Leq 76.22

Reviewed By:

Dy Quality Manager

**Quality Manager** 

>End of Report<

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## TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industr	ies Ltd. (Unit # IV)		
2.	Address			Village - Bansko Pin - 713212	opa, P.O - Rajbandh, D	urgapur, District - Burdwar	
3.	Type of Indu	istry	:	Integrated Steel	Plant	9.0	
		an & Procedure	:			0.9	
5.	Deviation fr	om the Sampling Method & Plan	:	No		. 8 8	
6.	Type of Sam	ple	:	Noise		2 2	
7.	Sample ID		:	440/EC/M/N	4.		
8.	Report ID		:	440/EC/M/TR(N	)/6/22-23		
9.	<b>Date of Stud</b>	y	:	26/09/2022			
10.	Reporting D	ate	:	30/09/2022	Automatical and and		
11.	Method No.		:	IS 15575 (Part 2), 2022			
<b>12</b> .	12. Time of Duration of Noise			20 Minutes			
<b>13</b> .	<b>Height from</b>	Ground Level	:	4 feet			
14.	Sample Mon	itoring by	:	Mr. Anup Singha			
		RESULT OF NOISE	E LEV	EL STUDY		Time : 10:30 - 10:50 A.M	
				DAY TIME			
6. Loca	ation : Near	Battery - 4 (Coke Oven)			Sample Code :	(ENV/NOISE/06/21-22)	
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks	
		dB(A)		dB(A)	dB(A)		
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

Reviewed By:

Dy. Quality Manager

Approved By:

75.51

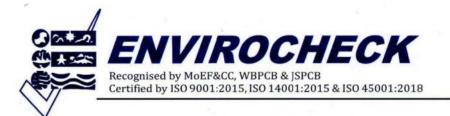
Quality Manager

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## TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)			
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwar			
			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	LEV	VEL STUDY Time: 11:00 - 11:20 A.M			
			DAY TIME			
7 10	cation · Raw Material Handling Vard (Ferro)		Sample Code : (FNV/NOISE/07/20-21)			

7. Locat	ion: Raw l	Material Handling Yard (Feri	Sample Code: (ENV/NOISE/07/20-21)							
Sl. No.	Unit	Minimum	Maximum	Leq	Remarks					
		dB(A)	dB(A)	dB(A)						
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					
	<u> </u>		Average dB(A) Leq	75.22						

Reviewed By:

Dy. Quality Manager

Quality Manager

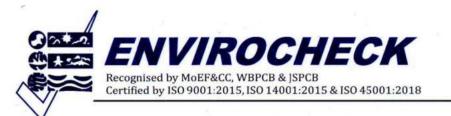
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79.1

80.2

75.3

76.7



FORMAT NO.: ENV/FM/53

#### TEST REPORT

dress pe of Indu		:	Village - Banskopa, P.O	- Raihandh, Dr	rganur Dictrict - Rurdwan	
	El .		Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdw			
			Pin - 713212			
		:	Integrated Steel Plant		38" 49	
npling Pla	n & Procedure	:	ENV/SOP/02		22.	
viation fro	m the Sampling Method & Pl	an :	No		A 4 -	
pe of Samp	ole	:	Noise		F F	
nple ID		:	440/EC/M/N			
port ID		:	440/EC/M/TR(N)/8/22-2	3	S	
te of Study		:	26/09/2022			
10. Reporting Date : 30/09/2022						
11. Method No. : IS 15575 (Part 2), 2022						
ne of Dura	tion of Noise		20 Minutes			
ight from (	Ground Level		4 feet	100		
nple Moni	toring by	:	Mr. Anup Singha			
	RESULT OF N	OISE LEV	EL STUDY	Time: 11:30 - 11:50 A.M		
			DAY TIME			
n: SEAF -	1 (Ferro)			Sample Code : (	ENV/NOISE/08/21-22)	
Unit	Minimum	N	aximum	Leq	Remarks	
	dB(A)		dB(A)	dB(A)		
t p t	viation from the of Sampaple ID open I	viation from the Sampling Method & Ploe of Sample nple ID oort ID te of Study borting Date thod No. ne of Duration of Noise ght from Ground Level nple Monitoring by  RESULT OF Noise n : SEAF - 1 (Ferro)	viation from the Sampling Method & Plan : be of Sample : poort ID : poort ID : poort ID : poorting Date : poor	viation from the Sampling Method & Plan : No be of Sample : Noise mple ID : 440/EC/M/N port ID : 440/EC/M/TR(N)/8/22-2 port ID : 26/09/2022 porting Date : 30/09/2022 porting Date : 15 15575 (Part 2), 2022 per of Duration of Noise : 20 Minutes ght from Ground Level : 4 feet mple Monitoring by : Mr. Anup Singha  RESULT OF NOISE LEVEL STUDY  DAY TIME  n: SEAF - 1 (Ferro)  Unit Minimum Maximum	viation from the Sampling Method & Plan : No see of Sample : Noise mple ID : 440/EC/M/N : 440/EC/M/TR(N)/8/22-23 : 26/09/2022 : 30/09/2022 : 30/09/2022 : 30/09/2022 : 15 15575 (Part 2), 2022 : 20 Minutes : 20 Minutes : 4 feet mple Monitoring by : Mr. Anup Singha RESULT OF NOISE LEVEL STUDY  DAY TIME  n: SEAF - 1 (Ferro) Sample Code: (Unit Minimum Maximum Leq	

82.8

82.6

78.4

80.2

Average dB(A) Leq

Reviewed By:

01.

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

dB(A)

Approved By:

81.33

81.56

77.12

78.79

79.70

**Quality Manager** 

**East Side** 

West Side

North Side

**South Side** 

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78.3

75.2

80.4



FORMAT NO.: ENV/FM/53

### TEST REPORT

1.	Name of th	e Industry	:	Jai Balaji Industr	ries Ltd. (Unit # IV)				
2.	Address		:	Village - Bansk Pin - 713212	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdv Pin - 713212				
3.	Type of Ind	lustry	:	Integrated Steel	Plant	2.7			
4.		lan & Procedure	:	ENV/SOP/02		27			
5.	Deviation f	rom the Sampling Method & Plan	1 :	No		9 5			
6.	Type of Sar	nple	:	Noise					
7.	Sample ID		:	440/EC/M/N		7			
8.	Report ID		:	440/EC/M/TR(N	1)/9/22-23				
9.	Date of Stu	dy	:	26/09/2022					
10.	10. Reporting Date			30/09/2022					
11.	11. Method No.			IS 15575 (Part 2), 2022					
12.	Time of Du	ration of Noise	:	20 Minutes					
13.	Height fron	n Ground Level	:	: 4 feet					
14.	Sample Mo	nitoring by	:	Mr. Anup Singha					
		RESULT OF NOI	SE LEV	LEVEL STUDY Time: 12:00 – 12					
				DAY TIME					
9. Loca	tion : SEAF	- 2 (Ferro)			Sample Code : (EN	IV/NOISE/09/21-22)			
Sl. No.	Unit	Minimum	N	Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
01.	dB(A)	80.2		84.6	82.93	East Side			

83.5

78.1

84.6

Average dB(A) Leq

Reviewed By:

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

Approved By:

81.64

76.89

82.99

81.11

Quality Manager

West Side

North Side

**South Side** 

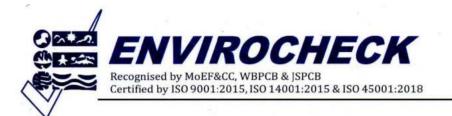
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#### TEST REPORT

1.	Name of the Industry / Project	:	Jai Balaji Industries Ltd. (Unit # IV)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan,
	May 1		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	LEV	/EL STUDY Time : 12:30 – 12:50 P.M

RESULT OF NOISE LEVEL STUDY Time: 12:30 - 12:50 P.M.

## **DAY TIME**

10. Loca	tion : SEAI	F - 3 (Ferro)		Sample Code: (ENV/NOISE/10/21-22)		
Sl. No.	Unit	Minimum	Maximum	Leq	Remarks	
		dB(A)	dB(A)	dB(A)		
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:

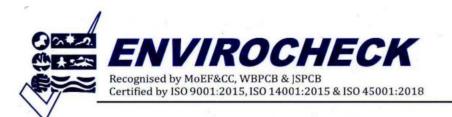
**Quality Manager** 

>End of Report<

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# TEST REPORT

1. N	Name of the l	Industry	:	Jai Balaji Industries	s Ltd. (Unit # IV)	200		
<b>2.</b> /	Address		:		a, P.O - Rajbandh, D	urgapur, District - Burdwa		
	1	ē.		Pin - 713212		5.0		
	Type of Indu		:	Integrated Steel Pla	ant	37.31		
	Sampling Pla	n & Procedure	:	ENV/SOP/02		22		
		m the Sampling Method & Plan	:	No		. # 8		
6. 7	Гуре of Samp	ole	:	Noise	2	2.2		
	Sample ID		:	440/EC/M/N		J. J		
8. I	Report ID	100	:	440/EC/M/TR(N)/	11/22-23			
9. I	Date of Study		:	26/09/2022		A R Agency		
	Reporting Da	ite	:	30/09/2022				
	Method No.		:	IS 15575 (Part 2), 2	2022	Serie Control		
<b>12.</b> 7	12. Time of Duration of Noise		:					
				4 feet				
14.	14. Sample Monitoring by			Mr. Anup Singha	Shell the street street			
		RESULT OF NOISE	E LEV	EL STUDY		Time : 1:00 - 1:20 P.M		
				DAY TIME				
11. Loc	ation : Pump	House (Ferro)			Sample Code :	(ENV/NOISE/11/21-22)		
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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		
			A	verage dB(A) Leq	78.52	Part of the second		

Reviewed By:

Dy. Quality Manager

Approved By:

**Quality Manager** 

>End of Report<

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi





#### TEST REPORT

1. N	Name of the	Industry	:	Jai Balaji Industrie	es Ltd. (Unit # IV)	
2. A	Address		:	Village - Banskop Pin - 713212	oa, P.O - Rajbandh, Du	ırgapur, District - Burdwan
3. 1	Type of Indu	istry	:	Integrated Steel Pl	ant	W II
	Sampling Plan & Procedure			ENV/SOP/02		2.2
5. I	Deviation fr	om the Sampling Method & Plan	:	No		A 8 1
6. 1	Гуре of Sam	ple	:	Noise		2 2
7. S	Sample ID		:	440/EC/M/N		
8. F	Report ID		:	-1 -1 1	/12/22-23	
	Date of Stud		:	26/09/2022	Later Service Control of the Control	- 10 mg (1)
	Reporting D	ate	:	30/09/2022		
	Method No.		:	7,	2022	
	12. Time of Duration of Noise			20 Minutes	CHARLES TO THE	
	U	Ground Level	:		Silver and the second of	
14. S	Sample Mon		:	· · · · · · · · · · · · · · · · · · ·	1.6.11	Mr. Egg
		RESULT OF NOISE	ELEV	EL STUDY		Time: 1:30 - 1:50 P.M
				DAY TIME		
12. Loca	ation : Rolli	ing Mill (Rolling Mill)			Sample Code : (	ENV/NOISE/12/21-22)
Sl. No.	Unit	Minimum	I	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
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
			A	verage dB(A) Leq	77.51	

Reviewed By:

Dy. Quality Manager

**Quality Manager** 

>End of Report<

H.O.

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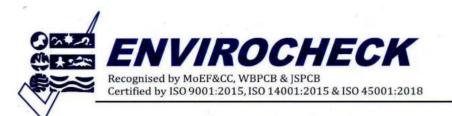
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#### TEST REPORT

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	LEV	YEL STUDY Time: 8:00 - 8:20 A.M			
			<u>DAY TIME</u>			
13. L	ocation: Dispatch Yard (Rolling Mill)		Sample Code : (ENV/NOISE/13/21-22)			

13. Loca	13. Location : Dispatch Yard (Rolling Mill) Sample Code : (ENV/NOISE/13/21-22)								
Sl. No.	Unit	Minimum	Maximum	Leq	Remarks				
		dB(A)	dB(A)	dB(A)					
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				

77.21 Average dB(A) Leq

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

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#### TEST REPORT

1. I	Name of the	Industry	:	Jai Balaji Industrie	es Ltd. (Unit # IV)		
2.	Address		:	Village - Banskop Pin - 713212	oa, P.O - Rajbandh, D	urgapur, District - Burdwan	
3.	. Type of Industry			Integrated Steel Pl	ant	37.37	
		an & Procedure	:			0.2	
5. I	. Deviation from the Sampling Method & Plan			No		- A A	
	Type of Sam	ple	:	Noise		2.2	
7.	Sample ID		:	440/EC/M/N			
	Report ID		:	440/EC/M/TR(N)/	/14/22-23		
	Date of Stud		:	26/09/2022	10, 11, 12, 1		
	Reporting D	ate	:	30/09/2022			
	<ol> <li>Time of Duration of Noise</li> <li>Height from Ground Level</li> </ol>			IS 15575 (Part 2),	2022		
				20 Minutes			
				4 feet		Essential Control	
14.	Sample Mon		:	· · · · · · · · · · · · · · · · · · ·	RESERVED TO THE		
		RESULT OF NOISE	E LEV	/EL STUDY		Time : 8:30 - 8:50 A.M	
				DAY TIME			
14. Loc	ation : Indu	ction Furnace - 1 (SMS)			Sample Code :	(ENV/NOISE/14/21-22)	
Sl. No.	Unit	Minimum	I	Maximum	Leq	Remarks	
		dB(A)		dB(A)	dB(A)		
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	
			A	verage dB(A) Leq	78.20	D + 1 1 1	

Reviewed By:

Dy. Quality Manager

Approved By:

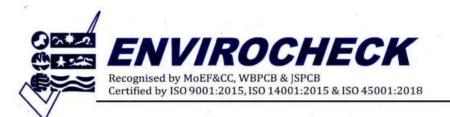
Quality Manager

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#### TEST REPORT

1. N	lame of the	Industry	:	Jai Balaji Industrie	es Ltd. (Unit # IV)	200		
2. A	Address		:	Village - Banskoj Pin - 713212	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Bur Pin - 713212			
3. T	Type of Indu	stry	:	Integrated Steel P	lant	37 37		
4. S	Sampling Pla	nn & Procedure	:	ENV/SOP/02		29		
5. D	Deviation fro	om the Sampling Method & Plan	:	No				
	Type of Sam	ple	:	Noise		22		
	Sample ID		:	440/EC/M/N	THE STATE OF THE S			
	Report ID		:	440/EC/M/TR(N)	/15/22-23			
	Date of Study			26/09/2022		A STATE OF THE STA		
	Reporting D	ate	:	30/09/2022		2 (3)		
				IS 15575 (Part 2), 2022				
				20 Minutes				
	. 8			4 feet				
14. S	Sample Mon	RESULT OF NOIS	<u>:</u>	Mr. Anup Singha	Time: 9:00 - 9:20 A.M			
		RESULT OF NOIS	E LEV	EL STUDY		11me : 9:00 - 9:20 A.M		
				<u>DAY TIME</u>				
15. Loca	ation : Indu	ction Furnace - 2 (SMS)			Sample Code : (	(ENV/NOISE/15/21-22)		
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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		
			A	verage dB(A) Leq	78.84			

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

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Website : www.envirocheck.in

Branch Office : Siliguri 

Haldia 

Durgapur 

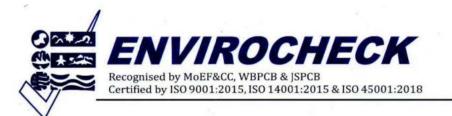
Dhanbad 

Gangtok 

Port Blair 

Dehradun 

New Delhi





# TEST REPORT

1. N	lame of the	Industry			es Ltd. (Unit # IV)				
2. A	ddress			: Village - Bansko Pin - 713212	pa, P.O - Rajbandh, D	ourgapur, District - Burdwar			
3. T	Type of Indu	stry		: Integrated Steel I	Plant	2.2			
	Sampling Plan & Procedure			: ENV/SOP/02		11			
5. D	Deviation from the Sampling Method & Plan			: No		- J. F.			
6. T	Type of Sam	ple		: Noise	18	E E			
7. S	ample ID			: 440/EC/M/N		7. J			
	Report ID			: 440/EC/M/TR(N)	/16/22-23	0.			
	Date of Study			: 26/09/2022					
	Reporting D	ate		: 30/09/2022					
	I. Method No.				IS 15575 (Part 2), 2022				
				: 20 Minutes					
	8			: 4 feet					
14. S	ample Mon			: Mr. Anup Singha					
		RESULT OF NO	DISE LI	EVEL STUDY		Time : 9:30 – 9:50 A.M			
				DAY TIME					
16. Loca	ation : Indu	ction Furnace - 3 (SMS)			Sample Code :	(ENV/NOISE/16/21-22)			
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
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.	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<

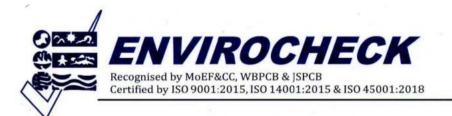
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#### TEST REPORT

1.	Name of the	Industry		: Jai Balaji Indus	tries Ltd. (Unit # IV)				
2.	Address			: Village - Bans Pin - 713212	kopa, P.O - Rajbandh, D	urgapur, District - Burdwan			
3.	Type of Indu	istry		: Integrated Stee	l Plant	37.37			
4.	Sampling Pla	an & Procedure		: ENV/SOP/02		22			
5.		om the Sampling Method & Pla	ın	: No		. 8 8			
6.	Type of Sam	ple		: Noise	100	8 8			
7.	Sample ID			: 440/EC/M/N					
8.	Report ID			: 440/EC/M/TR(	N)/17/22-23	T. W.			
9.	Date of Stud			: 26/09/2022					
10.	1 0				30/09/2022				
11.	Method No.		U						
12.			V.	: 20 Minutes		Marin 9			
13.		Ground Level		: 4 feet					
14.	Sample Mon			: Mr. Anup Singh	a				
		RESULT OF N	OISE LI	EVEL STUDY		Time : 10:00 - 10:20 A.M			
				DAY TIME					
17. Lo	cation: Indu	iction Furnace - 4 (SMS)			Sample Code :	(ENV/NOISE/17/21-22)			
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
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			

86.3

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

80.5

Approved By:

84.30

80.71

**Quality Manager** 

**South Side** 

>End of Report<

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# TEST REPORT

1.	Name of the	Industry	: Jai Balaji Industries Ltd. (Unit # IV)					
2.	Address	4	:	Village - Bansl	kopa, P.O -	Rajbandh, I	Durgapur, District - Burdwan,	
		-		Pin - 713212			ALC: U	
3.	Type of Indu		:	Integrated Stee	l Plant		33	
4.		an & Procedure	:	ENV/SOP/02			# 8	
5.		om the Sampling Method & Plan	:	No			- IF IF .	
6.	Type of Sam	ple	:	Noise	4		P 3	
7.	Sample ID		:	440/EC/M/N				
8.	Report ID	and the same of the same	:	440/EC/M/TR(	N)/18/22-23		2	
9.	Date of Stud		:	26/09/2022	115			
10.	0. Reporting Date			30/09/2022				
11.				IS 15575 (Part 2), 2022				
12.	12. Time of Duration of Noise			20 Minutes	100	73	Anna	
13.		Ground Level	:					
14.	Sample Mon		:	Mr. Anup Singh	a mana			
		RESULT OF NOIS	E LEV	VEL STUDY Time: 10:30 - 10:50			Time : 10:30 - 10:50 A.M	
				DAY TIME				
18. Lo	cation : CCM	(SMS)			S	ample Code :	(ENV/NOISE/18/21-22)	
Sl. No	. Unit	Minimum	ľ	Maximum		Leq	Remarks	
		dB(A)		dB(A)		dB(A)		
01.	dB(A)	73.8		76.9		75.62	East Side	
02.	dB(A)	78.5		80.6	ACE OF	79.68	West Side	
03.	dB(A)	76.7		80.2		78.79	North Side	

77.9

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

72.5

Approved By:

75.99

77.52

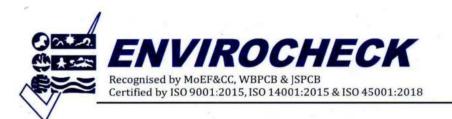
Quality Manager

**South Side** 

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# TEST REPORT

1.	Name of the Industry			: Jai Balaji Ind	Jai Balaji Industries Ltd. (Unit # IV)				
2.	Address					urgapur, District - Burdwan,			
	-	¥		Pin - 713212					
3.	3. Type of Industry			: Integrated St		27.0			
4.		an & Procedure		: ENV/SOP/02		# 3			
5.		om the Sampling Method & F	Plan	: No		. # # 1			
6.	Type of Sam	ple		: Noise	i i	22			
7.	Sample ID			: 440/EC/M/N					
8.	Report ID			: 440/EC/M/T	R(N)/19/22-23				
9.	Date of Stud	y		: 26/09/2022					
10.	Reporting D	ate	10.	: 30/09/2022					
11.	11. Method No.			: IS 15575 (Par	IS 15575 (Part 2), 2022				
12.	12. Time of Duration of Noise			: 20 Minutes	20 Minutes				
13.	13. Height from Ground Level			: 4 feet					
14.	Sample Mon	itoring by		: Mr. Anup Sin	Mr. Anup Singha				
		RESULT OF	NOISE L	EVEL STUDY		Time: 11:00 - 11:20 A.M			
				DAY TIME					
19. Lo	cation : Disp	atch Yard(SMS)			Sample Code :	(ENV/NOISE/19/21-22)			
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
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			

75.9

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

72.3

Approved By:

74.46

75.32

**Quality Manager** 

**South Side** 

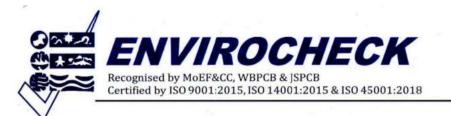
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#### **TEST REPORT**

1.	Name of the	Industry	:	Jai Balaji Industr	ies Ltd. (Unit # IV)			
2.	Address		:	Village - Bansk	opa, P.O - Rajbandh, D	urgapur, District - Burdwan,		
	20			Pin - 713212		# 1		
3.	Type of Indu	istry	:	Integrated Steel	Plant	- M M		
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02	H	1 3		
5.	Deviation fr	om the Sampling Method & Pl	lan :	No				
6.	Type of Sam	ple	:	Noise	. 8	40		
7.	Sample ID		:	440/EC/M/N				
8.	8. Report ID			440/EC/M/TR(N	)/20/22-23			
9.	9. Date of Study			26/09/2022				
10.	10. Reporting Date			30/09/2022				
11.	11. Method No.		:	IS 15575 (Part 2)	, 2022			
12.	Time of Dur	ation of Noise	:	: 20 Minutes				
13.	Height from	Ground Level	:	: 4 feet				
14.	Sample Mon	itoring by	:	: Mr. Anup Singha				
		RESULT OF I	NOISE LEV	EL STUDY	Time: 11:30 - 11:50 A.M			
				DAY TIME				
20. Lo	ocation : Pum	p House (SMS)			Sample Code :	(ENV/NOISE/20/21-22)		
Sl. No	o. Unit	Minimum	N	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	77.5		80.6	79.32	East Side		

81.2

82.4

84.9

Average dB(A) Leq

Reviewed By:

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

79.1

78.5

80.2

Approved By:

80.28

80.87

83.16 80.91

**Quality Manager** 

**West Side** 

North Side **South Side** 

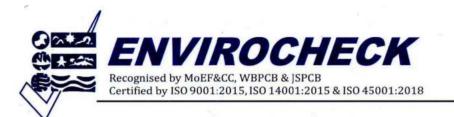
>End of Report<

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# TEST REPORT

1.	Name of the Industry			:	Jai Balaji Industries Ltd. (Unit # IV)				
2.	Address					kopa, P.O - Rajbandh, D	urgapur, District - Burdwan,		
		÷			Pin - 713212		24 34		
3.	Type of Indu				<b>Integrated Steel</b>	Plant	27.0		
4.	Sampling Plan	an & Procedure		:	ENV/SOP/02		22		
5.		om the Sampling Method & P	Plan		No		- B B		
6.	Type of Sam	ple		:	Noise		# #		
7.	Sample ID			: .	440/EC/M/N		1. T		
8.	Report ID			: .	440/EC/M/TR(N	N)/21/22-23			
9.	Date of Stud	y		:	26/09/2022				
10.	Reporting D	ate		: :	30/09/2022				
11.	11. Method No.		33	:	IS 15575 (Part 2), 2022				
12.	2. Time of Duration of Noise			: :	20 Minutes				
13.	Height from Ground Level			: .	4 feet	NO.			
14.	Sample Mon	itoring by		:	Mr. Anup Singha				
		RESULT OF	NOISE L	LEVEL STUDY			Time : 12:00 - 12:20 P.M		
					DAY TIME				
21. Lo	cation: MBF	- 1 (MBF)				Sample Code :	(ENV/NOISE/21/21-22)		
Sl. No	. Unit	Minimum		Ma	aximum	Leq	Remarks		
		dB(A)		(	dB(A)	dB(A)			
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		

83.5

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

78.3

Approved By:

81.64

80.22

**Quality Manager** 

**South Side** 

>End of Report<

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# TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Ind	lustries Ltd. (Unit # IV)			
2.	Address		:	Village - Ba		urgapur, District - Burdwar		
3.	Type of Indu	istry	٠.	Integrated S		77.		
		an & Procedure	+:	ENV/SOP/02		##		
		om the Sampling Method & Plan	+:	· · · · · ·	· X	· # # · · ·		
	Type of Sam		+:	Noise				
	Sample ID	pic	Ŧ:	440/EC/M/N	J	f- di		
					TR(N)/22/22-23			
	Date of Stud	v	1:					
	Reporting D		1:	30/09/2022				
	1 0			: IS 15575 (Part 2), 2022				
				20 Minutes	The second second	ATTENDED TO A TO A		
13.				4 feet	All appeared to the con-	And the second		
	Sample Mon		:	Mr. Anup Sir	igha			
	_	RESULT OF NOISE	E LEV	EL STUDY		Time : 12:30 - 12:50 P.M		
				DAY TIME				
22. Loc	cation: MBF	- 2 (MBF)			Sample Code :	(ENV/NOISE/22/21-22)		
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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

Reviewed By:

Dy. Quality Manager

Approved By:

81.66

**Quality Manager** 

>End of Report<

: 63/B, Rastraguru Avenue, Kolkata -700028 Ph. 033 25792891/ 25497490 Fax : 033 25299141 H.O.

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77.5

83.7

72.9



FORMAT NO.: ENV/FM/53

#### TEST REPORT

1.	Name of the	e Industry	:	Jai Balaji Industr	ies Ltd. (Unit # IV)			
2.	Address		:	Village - Bansko	pa, P.O - Rajbandh, I	Durgapur, District - Burdwan,		
				Pin - 713212		A07		
3.	Type of Ind	lustry	:	: Integrated Steel Plant				
4.	Sampling P	lan & Procedure	:	ENV/SOP/02		200		
5.	Deviation f	rom the Sampling Method & P	lan :	No				
6.	Type of San	nple	:	Noise		7.7		
7.	Sample ID		:	440/EC/M/N	T. E.	2 8 1		
8. Report ID : 440/EC/M/TR(N)/23/22-23								
9.	9. Date of Study :			26/09/2022				
10.	10. Reporting Date			30/09/2022		() 事份表		
11.	Method No.		:	: IS 15575 (Part 2), 2022				
12.	Time of Du	ration of Noise		: 20 Minutes				
13.	Height fron	n Ground Level	:	: 4 feet				
14.	Sample Mo	nitoring by	:	Mr. Anup Singha				
		RESULT OF N	IOISE LEV	EL STUDY		Time: 01:00 - 01:20 P.M		
				DAY TIME				
23. Lo	cation : Blow	ver House (MBF)			Sample Code :	(ENV/NOISE/23/21-22)		
Sl. No.	. Unit	Minimum	N	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			

81.3

80.6

85.9

83.1

Average dB(A) Leq

Reviewed By:

01.

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

dB(A)

Approved By:

79.17

79.32

84.94

80.49

80.98

Quality Manager

**East Side** 

West Side

North Side

**South Side** 

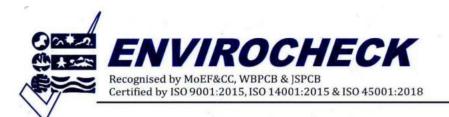
>End of Report<

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# TEST REPORT

1.	Name of the	Industry			ries Ltd. (Unit # IV)			
2.	Address	5 = = 2		: Village - Bansk Pin - 713212	kopa, P.O - Rajbandh, I	Durgapur, District - Burdwan		
3.	Type of Indu	istry		: Integrated Steel	Plant	99		
4.	Sampling Pla	an & Procedure		: ENV/SOP/02		17		
5.	Deviation fr	om the Sampling Method & Plan		: No		. 3 2		
6.	Type of Sam	ple		: Noise		F 1		
7.				: 440/EC/M/N	X			
8.				: 440/EC/M/TR(N	N)/24/22-23			
9.	Date of Study			: 26/09/2022				
10.	Reporting Date			: 30/09/2022				
11.	12. Time of Duration of Noise 13. Height from Ground Level			: IS 15575 (Part 2), 2022				
<b>12.</b>				: 20 Minutes		All the second s		
13.				: 4 feet	107	ARLES CO.		
14.	Sample Mon			: Mr. Anup Singha		Skt-100		
		RESULT OF NO	ISE LE	VEL STUDY		Time: 01:30 - 01:50 P.M		
				DAY TIME				
24. Lo	cation: Pum	p House (MBF)			Sample Code	: (ENV/NOISE/24/21-22)		
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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

Reviewed By:

Dy. Quality Manager

Approved By:

81.96

Quality Manager

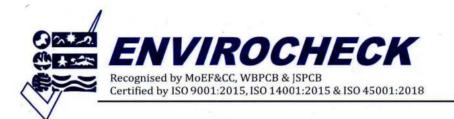
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# TEST REPORT

1.	Name of the	Industry		: Jai Balaji Indus	stries Ltd. (Unit # IV)					
2.	Address	Y and the second second			skopa, P.O - Rajbandh, Du	rgapur, District - Burdwan,				
		T .		Pin - 713212		AT 10P				
3.	Type of Indi				Integrated Steel Plant					
4.		an & Procedure		: ENV/SOP/02		2 3				
5.	Deviation fr	om the Sampling Method & Pl	lan	: No		2 8				
6.	Type of Sam	ple		: Noise		7 7				
7.	Sample ID			: 440/EC/M/N	the second second					
8.	Report ID			: 440/EC/M/TR	(N)/25/22-23					
9.	Date of Stud	ly		: 26/09/2022						
10.	Reporting D	ate		: 30/09/2022		SILL SILL SILL SILL SILL SILL SILL SILL				
11.	1. Method No.			: IS 15575 (Part	IS 15575 (Part 2), 2022					
12.	2. Time of Duration of Noise		mus.	: 20 Minutes	20 Minutes					
13.	13. Height from Ground Level			: 4 feet	Arr Deger P					
14.	Sample Mon	itoring by		: Mr. Anup Singl	ha					
		RESULT OF	NOISE LI	EVEL STUDY		Time : 08:00 - 08:20 A.M				
				<u>DAY TIME</u>						
25. Lo	cation : Tur	bine - 1 (CPP)			Sample Code : (1	ENV/NOISE/25/21-22)				
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks				
		dB(A)		dB(A)	dB(A)					
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				

82.5

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

75.9

Approved By:

80.35

80.50

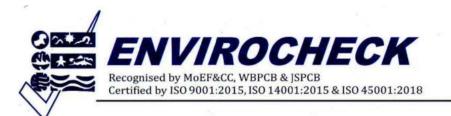
Quality Manager

**South Side** 

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#### TEST REPORT

1. N	Name of the	Industry	:	Jai Balaji Industrie	s Ltd. (Unit # IV)			
2. A	Address		:	Village - Banskop	a, P.O - Rajbandh, I	Durgapur, District - Burdwan		
		ē!		Pin - 713212		- F W		
	Гуре of Indu		:	Integrated Steel Pla	ant	20.20		
		an & Procedure	:	ENV/SOP/02		2.3		
		om the Sampling Method & Plan	:			A 40 C		
	Гуре of Sam	ple	:		4	5.8		
	Sample ID		:	-1 -1 1		4. 1		
	Report ID		:	-1 -1 1	26/22-23	+		
	Date of Stud		:	==//====				
	Reporting D	ate	:	//				
12. Time of Duration of Noise			:			388.3		
		Ground Level	- :			A-market and a second		
14. S	Sample Mon	<u> </u>	:	Mr. Anup Singha				
		RESULT OF NOIS	E LE\	EL STUDY		Time : 08:30 - 08:50 P.M		
				DAY TIME				
26. Loca	ation : Turk	oine - 2 (CPP)			Sample Code :	(ENV/NOISE/26/21-22)		
Sl. No.	Unit	Minimum	I	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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

Reviewed By:

Dy. Quality Manager

Approved By:

84.59

**Quality Manager** 

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# TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries	Ltd. (Unit # IV)			
2.	Address	1 2	:	Village - Banskopa Pin - 713212	, P.O - Rajbandh, l	Durgapur, District - Burdwan		
3.	Type of Indu	ıstry	:	Integrated Steel Plan	nt	97.0		
4.		an & Procedure	:			23		
5.	Deviation fr	om the Sampling Method & Plan	:	No				
6.	Type of Sam	ple	:	Noise		2 2		
7.	Sample ID		:	440/EC/M/N	× 2	3.3		
8.	Report ID		:	440/EC/M/TR(N)/2	7/22-23			
9.	Date of Stud	y	:	26/09/2022				
10.	Reporting D	ate	:	30/09/2022				
11.	1. Method No.			: IS 15575 (Part 2), 2022				
12.	12. Time of Duration of Noise			20 Minutes				
13.	13. Height from Ground Level			4 feet	AT			
14.	Sample Mon	itoring by	:	Mr. Anup Singha	The State of the S			
		RESULT OF NOIS	E LEV	EL STUDY		Time : 09:00 – 09:20 A.M		
				DAY TIME				
27. Lo	cation: Turl	oine - 3 (CPP)			Sample Code	: (ENV/NOISE/27/21-22)		
Sl. No	. Unit	Minimum	I	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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

Reviewed By:

Dy. Quality Manager

Approved By:

80.84

Quality Manager

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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 - Bans	skopa, P.O - Rajbandh, Du	rgapur, District - Burdwan,			
		2		Pin - 713212		10 10			
3.	Type of Indu			: Integrated Stee	el Plant	88			
4.		an & Procedure		: ENV/SOP/02		18			
5.		om the Sampling Method & P	Plan	: No		3 0			
6.	Type of Sam	ple		: Noise					
7.	Sample ID			: 440/EC/M/N					
8.	Report ID			: 440/EC/M/TR	(N)/28/22-23				
9.	Date of Stud			: 26/09/2022					
10.	Reporting D	ate		: 30/09/2022					
11.					-5 -55.5 (- 5 ), -5				
	12. Time of Duration of Noise			: 20 Minutes		(R) ACT			
	13. Height from Ground Level			: 4 feet	107 January 107 10	70.612			
14.	Sample Mon		0	: Mr. Anup Singha					
		RESULT OF	NOISE LI	EVEL STUDY		Time : 09:30 - 09:50 A.M			
				DAY TIME					
28. Lo	cation: DM	Plant (CPP)			Sample Code : (I	ENV/NOISE/28/21-22)			
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
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			

83.5

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

Approved By:

**South Side** 

81.40

79.90

Quality Manager

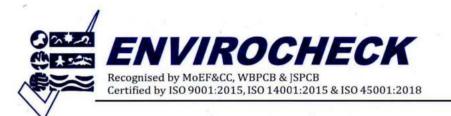
>End of Report<

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FORMAT NO.: ENV/FM/53

#### TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Indust	ries Ltd. (Unit # IV)	25		
2.	Address		:	Village - Bansk	kopa, P.O - Rajbandh, Du	rgapur, District - Burdwan		
				Pin - 713212				
3.	Type of Indu	istry	:	Integrated Steel	Plant	2 2		
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02				
5.	Deviation fr	om the Sampling Method & Plan	:	No				
6.	Type of Sam	ple	:	Noise				
7.	Sample ID			440/EC/M/N				
8.	Report ID	Allega Control	:	440/EC/M/TR(N	N)/29/22-23			
9.	Date of Stud	y	:			No see		
10.	Reporting D	ate	:	30/09/2022		Replace and the second		
11.	Method No.	40	:	IS 15575 (Part 2	2), 2022			
12.	Time of Dur	ation of Noise	:	20 Minutes	ASSESSED BUILDING	E. C.		
13.	Height from	Ground Level	:	4 feet	Self-residence of the self-residence	(Control of the Control of the Contr		
	Sample Mon		:	: Mr. Anup Singha				
		RESULT OF NOIS	E LEV	EL STUDY		Time: 10:00 - 10:20 A.M		
				DAY TIME				
29. Loc	cation : Boil	er - 1 (CPP)			Sample Code : (1	ENV/NOISE/29/21-22)		
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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		

81.4

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

Approved By:

80.02

78.70

Quality Manager

South Side

>End of Report<

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73.1



FORMAT NO.: ENV/FM/53

#### TEST REPORT

1.	Name of the	Industry		: Jai Balaji Indust	ries Ltd. (Unit # IV)				
2.	Address			: Village - Bansl	kopa, P.O - Rajbandh, E	Durgapur, District - Burdwan			
	. 4			Pin - 713212					
3.	Type of Indu			: Integrated Steel	l Plant	37.0			
4.		an & Procedure		: ENV/SOP/02		23			
5.		om the Sampling Method & l	Plan	: No					
6.	Type of Sam	ple		: Noise		# #			
7.	Sample ID			: 440/EC/M/N					
8.	Report ID			: 440/EC/M/TR(1	N)/30/22-23				
9.	Date of Stud	y		: 26/09/2022	forest heavy some till				
10. Reporting Date				: 30/09/2022					
11. Method No.				: IS 15575 (Part 2	2), 2022	Year			
12. Time of Duration of Noise				: 20 Minutes					
13.		Ground Level		: 4 feet					
14.	Sample Mon			: Mr. Anup Singha					
		RESULT OF	NOISE LI	LEVEL STUDY Time: 10:30 – 10:50 A.					
				DAY TIME					
30. Lo	cation: Boile	er - 2 (CPP)			Sample Code :	(ENV/NOISE/30/21-22)			
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
01.	dB(A)	73.9		80.2	78.10	East Side			
02.	dB(A)	78.2		80.6	79.56	West Side			

82.5

78.6

Average dB(A) Leq

Reviewed By:

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

March

North Side

**South Side** 

80.61

76.67

78.74

Quality Manager

>End of Report<

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# TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industrie	es Ltd. (Unit # IV)			
2.	Address	1 =		Village - Banskop Pin - 713212	oa, P.O - Rajbandh, I	Durgapur, District - Burdwan,		
3.	Type of Indu	istry	:	Integrated Steel Pl	ant	97.0		
4.		an & Procedure	:			29		
5.	Deviation fr	om the Sampling Method & Plan	:	No		. 4 4 1		
6.	Type of Sam	ple	:	Noise		# #		
7.	Sample ID		:	440/EC/M/N				
8.	Report ID		:	440/EC/M/TR(N)/	/31/22-23			
_	Date of Stud	J	:	26/09/2022	face in the second			
	Reporting D	ate	:	,,				
	11. Method No.			: IS 15575 (Part 2), 2022				
				20 Minutes				
	13. Height from Ground Level			4 feet	All control of	<b>以为</b> 。		
14.	Sample Mon		<u>:</u>		ALCOHOLD VINE	Sht-180		
		RESULT OF NOIS	E LEV	EL STUDY		Time: 11:00 - 11:20 A.M		
				DAY TIME				
31. Lo	cation: Pum	p House (CPP)			Sample Code :	(ENV/NOISE/31/21-22)		
Sl. No.	Unit	Minimum	I	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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

Reviewed By:

Dy. Quality Manager

Mary

80.45

**Quality Manager** 

>End of Report<

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Branch Office : Siliguri - Haldia - Durgapur - Dhanbad - Gangtok - Port Blair - Dehradun - New Delhi





# TEST REPORT

1.	Name of the	Industry		: Jai Balaji Indus	tries Ltd. (Unit # IV)			
2.	Address	1 -		: Village - Bans Pin - 713212	kopa, P.O - Rajbandh, I	Durgapur, District - Burdwan,		
3.	Type of Indu	istry		: Integrated Stee	47			
4.		an & Procedure		: ENV/SOP/02		24.		
5.		om the Sampling Method & Pla		: No		111		
6.	Type of Sam			: Noise		777		
7.	Sample ID			: 440/EC/M/N		1. 1.		
8.	Report ID			: 440/EC/M/TR(	(N)/32/22-23			
9.	Date of Stud	y		: 26/09/2022	descended and the second			
10.	Reporting D	ate		: 30/09/2022				
11.	11. Method No.			: IS 15575 (Part	IS 15575 (Part 2), 2022			
12.	12. Time of Duration of Noise			: 20 Minutes				
13.	13. Height from Ground Level			: 4 feet	100			
14.	Sample Mon	itoring by		: Mr. Anup Singh	ia in the second se	Show (SS)		
		RESULT OF N	IOISE LI	EVEL STUDY		Time: 11:30 - 11:50 A.M		
				DAY TIME				
32. Lo	cation : Kiln	- 1 (DRI)			Sample Code :	(ENV/NOISE/32/21-22)		
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
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		

84.7

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

80.6

Approved By:

**South Side** 

83.12

80.62

**Quality Manager** 

>End of Report<

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#### TEST REPORT

1.	Name of the	Industry		: Jai Balaji Indust	tries Ltd. (Unit # IV)				
2.	Address			: Village - Bans	kopa, P.O - Rajbandh, D	urgapur, District - Burdwan			
	. 4	E		Pin - 713212		20 00			
3.	Type of Indu			: Integrated Stee	l Plant	37.5			
4.		an & Procedure		: ENV/SOP/02		22			
5.		om the Sampling Method & P	lan	: No		- J J			
6.	Type of Sam	ple		: Noise		S. S.			
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.									
<b>12.</b>	12. Time of Duration of Noise			: 20 Minutes					
13.	Height from	Ground Level		: 4 feet					
<b>14.</b>	Sample Mon			: Mr. Anup Singha					
		RESULT OF	NOISE LI	EVEL STUDY		Time : 12:00 - 12:20 P.M			
				<u>DAY TIME</u>					
33. Lo	cation : Kiln	- 3 (DRI)			Sample Code :	(ENV/NOISE/33/21-22)			
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
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			

84.1

Average dB(A) Leq

04.

Dy. Quality Manager

dB(A)

74.7

Approved By:

81.56

80.89

**Quality Manager** 

**South Side** 

>End of Report<

H.O.

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Laboratory

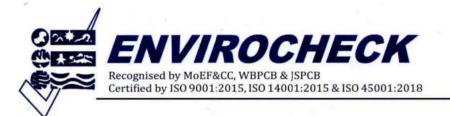
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# TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Indust	tries Ltd. (Unit # IV)		
2.	Address				kopa, P.O - Rajbandh, I	Durgapur, District - Burdwan	
	. 4			Pin - 713212			
3.	Type of Indu			Integrated Stee	l Plant	27.0	
4.		nn & Procedure	:	ENV/SOP/02		3 9 1	
5.		om the Sampling Method & Plan		: No			
6.	Type of Sam	ple	:	: Noise		# #	
7.	Sample ID		:	: 440/EC/M/N		I. F	
8.	Report ID		:	: 440/EC/M/TR(	N)/34/22-23		
9.	Date of Study			26/09/2022	description and the second		
10.	Reporting Date			: 30/09/2022			
11.	Method No.			: IS 15575 (Part 2	2), 2022	Transaction of the Control of the Co	
12.	Time of Duration of Noise			20 Minutes			
13.	Height from	Ground Level		: 4 feet		SERVE	
14.	Sample Mon	<u> </u>		: Mr. Anup Singh	a AREAR ETTERNALE	Oleva 1995	
		RESULT OF NOIS	SE LE	VEL STUDY		Time: 12:30 - 12:50 P.M	
				DAY TIME			
34. Lo	cation: WHR	RB - 2 (DRI)			Sample Code :	(ENV/NOISE/34/21-22)	
Sl. No	. Unit	Minimum		Maximum Leq		Remarks	
		dB(A)		dB(A)	dB(A)		
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

Reviewed By:

Dy. Quality Manager

Approved By:

79.37

**Quality Manager** 

>End of Report<

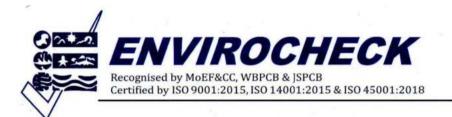
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#### **TEST REPORT**

1.	Name of the	Industry	:	Jai Balaji Indus	tries Ltd. (Unit # IV)		
2.	Address		:		kopa, P.O - Rajbandh, Dı	ırgapur, District - Burdwan	
				Pin - 713212		100	
3.	Type of Indu		:	Integrated Stee	el Plant	37.0	
4.		an & Procedure	:	ENV/SOP/02		0.9	
5.		om the Sampling Method & Plan	:	No			
6.	Type of Sam	ple	:	Noise	-		
7.	Sample ID		:	440/EC/M/N		F. 37	
8.	Report ID		:	440/EC/M/TR(	(N)/35/22-23		
9.	Date of Stud	y	:	26/09/2022		Mark Control	
<b>10</b> .	Reporting D	Reporting Date : 30/09/2022					
11. Method No. :				IS 15575 (Part	2), 2022	MINE	
12. Time of Duration of Noise				20 Minutes			
<b>13.</b>	Height from Ground Level : 4 feet					East to the second seco	
14.	Sample Mon	itoring by	:	Mr. Anup Singh	a		
		RESULT OF NOIS	E LEV	EL STUDY		Time: 01:00 - 01:20 P.M	
				DAY TIME			
35. Lo	cation : WHI	RB - 4 (DRI)			Sample Code : (	ENV/NOISE/35/21-22)	
Sl. No	. Unit	Minimum	ľ	Maximum	Leq	Remarks	
		dB(A)		dB(A)	dB(A)		
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	

82.5

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

77.9

Approved By:

80.78

78.79

**Quality Manager** 

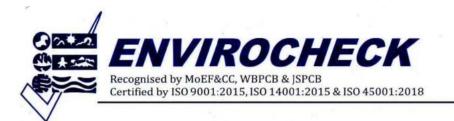
**South Side** 

>End of Report<

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# TEST REPORT

				THE THE CITE		
1.	Name of the	Industry		: Jai Balaji Industri	es Ltd. (Unit # IV)	
	Address					Durgapur, District - Burdwan
3.	Type of Indu	ustry		: Integrated Steel P	lant	7.7
4.	Sampling Pl	an & Procedure		: ENV/SOP/02		17
5.	Deviation fr	om the Sampling Method & Plar	n	: No		- 2 2
6.	Type of Sam	iple		: Noise		10 10
7.	Sample ID			: 440/EC/M/N		
	Report ID			: 440/EC/M/TR(N)	/36/22-23	
	<b>Date of Stud</b>			: 26/09/2022	Manifest Mal	
	Reporting D	ate		: 30/09/2022		
	1. Method No.			: IS 15575 (Part 2),	2022	Terror
				: 20 Minutes		(false)
		Ground Level		: 4 feet	AV	
14.	Sample Mon	nitoring by		: Mr. Anup Singha	ALESS OF THE RES	515,65c
		RESULT OF NO	DISE LI	EVEL STUDY		Time : 02:00 - 02:20 A.M
				DAY TIME		
36. Loc	cation : Main	n Administrative Building (AAQI	MS)		Sample Code :	(ENV/NOISE/36/21-22)
Sl. No.	No. Unit Minimum			Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
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	
				NICHT TIME		Time: 10:00 - 10:20 P.M
Cl M-	I I m i de	Minimo		NIGHT TIME	Log	Dom only
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks
01.	dB(A)	dB(A) 48.3		dB(A) 52.5	dB(A) 50.89	East Side
		-5.0				
02.	dB(A)	49.6		55.7	53.64	West Side
03.	dB(A)	47.1		55.3	52.90	North Side
03.						
04.	dB(A)	46.2		51.4	49.54	South Side

Dy. Quality Manager

**Quality Manager** 

>End of Report<

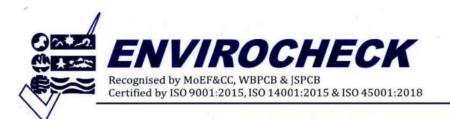
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# TEST REPORT

				THOT IMIT OUT					
1.	Name of the	Industry		: Jai Balaji Industri	es Ltd. (Unit # IV)				
2.	Address			: Village - Bansko Pin - 713212	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdw				
3.	Type of Indi			: Integrated Steel P	Plant	87.0			
4.	Sampling Plan & Procedure			: ENV/SOP/02		22			
5.		om the Sampling Method & Plai		: No					
6.	Type of Sam	ıple		: Noise		21			
7.	Sample ID			: 440/EC/M/N					
8.	Report ID			: 440/EC/M/TR(N)	/37/22-23				
9.	Date of Stud			: 26/09/2022	describer and the				
10.	Reporting D	ate		: 30/09/2022					
11.	Method No.			: IS 15575 (Part 2),	, 2022	Paragraph 1			
<b>12.</b>		ration of Noise		: 20 Minutes					
13.		Ground Level		: 4 feet	407	MANUE -			
14.	Sample Mon	nitoring by		: Mr. Anup Singha		Sitta (CC)			
		RESULT OF NO	DISE LI			Time : 02:30 - 02:50 P.M			
				DAY TIME					
37. Lo	cation : Near	Main Gate (Western Side) (AAC	QMS)		Sample Code :	(ENV/NOISE/37/21-22)			
Sl. No	No. Unit Minimum			Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
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	3 to 1 to 1			
				NICHT TIME		Time: 10:30 - 10:50 P.M			
Cl M-	Heit	Minimo		NIGHT TIME	Log	Domonico			
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks			
01.	dB(A)	dB(A) 48.3		dB(A) 52.9	dB(A) 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			
04.	uD(/1)								

Reviewed By:

Dy. Quality Manager

Approved By:

**Quality Manager** 

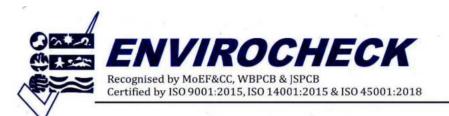
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# TEST REPORT

	Name of the	Industry		: Jai Balaji Industr	ies Ltd. (Unit # IV)	
<b>2.</b> A	Address	# p		: Village - Bansk Pin - 713212	opa, P.O - Rajbandh,	Durgapur, District - Burdwan
	Type of Indu			: Integrated Steel	Plant	7.7
		an & Procedure		: ENV/SOP/02		2.7
		om the Sampling Method & Plai	n	: No	W.	
	Type of Sam	ple		: Noise		2 2
	Sample ID			: 440/EC/M/N		2.2
	Report ID			: 440/EC/M/TR(N	)/38/22-23	0 0.
				: 26/09/2022	THE PERSON NAMED IN COLUMN TWO	
	Reporting D	ate		: 30/09/2022	ALCOHOLD TO BE A SERVICE OF THE SERV	Water Telephone Comments of the Comments of th
	Method No.			: IS 15575 (Part 2)	, 2022	
		ation of Noise		: 20 Minutes	The same of the	
		Ground Level		: 4 feet	No. of the last of	The state of the s
14.	Sample Mon			: Mr. Anup Singha	ADMITTED BY	elektrik.
		RESULT OF NO	DISE LI			Time : 03:00 - 03:20 P.M
				DAY TIME		
38. Loc	ation : Adm	in Building Ferro Div. (Eastern	Side)	(AAQMS)	-	e: (ENV/NOISE/38/21-22)
Sl. No.	No. Unit Minimum			Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
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	
				NICHTTIME		Time : 11:00 - 11:20 P.M
CL N.	11	N. C		NIGHT TIME	T	D
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
					i e	

Reviewed By:

Dy. Quality Manager

Approved By:

**Quality Manager** 

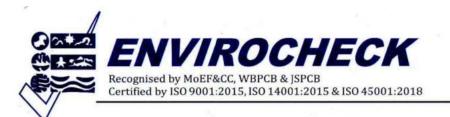
>End of Report<

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#### TEST REPORT

1.	Name of the	Industry		:	Jai Balaji Industri				
2.	Address			:	Village - Bansko Pin - 713212	pa, P.O	- Rajbandh,	Durgapur,	District - Burdwan
3.	Type of Indu	ıstrv		:	Integrated Steel P	lant			
		an & Procedure		:	ENV/SOP/02	- Iuni		2.1	
		om the Sampling Method & Pl	lan	:	No				
	Type of Sam			:	Noise			2.2	
	Sample ID	•		:	440/EC/M/N			2 9	
<b>8.</b> 1					440/EC/M/TR(N)	/39/22-2	3		
	Date of Study				26/09/2022		ri-comment	Teel land	
<b>10.</b>	, and the second				30/09/2022				
	11. Method No.				IS 15575 (Part 2),	2022		8.18	
		ation of Noise	7	:	20 Minutes	12.7		31115	
					4 feet			N-Byll	4 1
14. Sample Monitoring by					Mr. Anup Singha	Albert			
		RESULT OF	NOISE L	EV				Tir	ne : 03:30 - 03:50 P.M
					DAY TIME				
39. Loc	cation : Near	RM Yard (Southern Side) (AA	AQMS)				Sample Code	e : (ENV/NO	ISE/39/21-22)
Sl. No.	No. Unit Minimum			M	laximum		Leq		Remarks
		dB(A)			dB(A)		dB(A)		
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
				A	verage dB(A) Leq		63.16	100	
					NI CHE MILES			Ti	me : 11:30 - 11:50 P.M
Cl Na	IImia	Minimo		7.4	NIGHT TIME		Log		Domonko
Sl. No.	Unit	Minimum dB(A)		[V]	aximum 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
				Λ,	verage dB(A) Leq		53.81		

Reviewed By:

Dy. Quality Manager

Approved By:

**Quality Manager** 

>End of Report<

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# TEST REPORT

1.	Name of the	Industry					
2.	Address		:	Pin - 713212		h, Durgapur,	District - Burdwan
3.	Type of Indu		:		lant		
4.	Sampling Pl	an & Procedure	:	ENV/SOP/02		201	
5.	Deviation from the Sampling Method & Plan			No			
6.	Type of Sam	ple	:	Noise		10 11	W
7.	Sample ID		:	440/EC/M/N	7	. 1. 2	·71
8.	Report ID		:	-/ -/ /	/40/22-23	8 9	
9.	<b>Date of Stud</b>		:		distribution and the		
<b>10.</b>	Reporting D	ate	:				
11.	Method No.		:		2022	70000	
12.		ation of Noise					
13.		Ground Level	:		All marks		
14.	Sample Mon		:		R. WARRING		
		RESULT OF NO	ISE LE	VEL STUDY		Tin	ne : 03:30 - 03:50 P.M
				DAY TIME			
			011			1 (2222)	TOT (10 (0.1 0.0)
40. Lo	cation : Powe	er Plant Control Room (Northern	i Side)	(AAQMS)	Sample Co	de : (ENV/NO	ISE/40/21-22)
Sl. No	l. No. Unit Minimum  dB(A)			Maximum	Leq		Remarks
				dB(A)	dB(A)		
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	11	South Side
			A	Average dB(A) Leq		Ø -	
						Ti	me : 10:00 - 10:20 P.M
				NIGHT TIME			
Sl. No	. Unit	Minimum		Maximum	Leq		Remarks
		dB(A)		dB(A)	dB(A)		
		51.3	58.9		56.59		East Side
01.	dB(A)						
01. 02.	dB(A)	48.3		53.7	51.79		West Side
				53.7 52.9	51.79 50.99	a v	West Side North Side
02.	dB(A)	48.3				A	7.7

Reviewed By:

Dy. Quality Manager

Approved By:

**Quality Manager** 

>End of Report<

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 Ph. 033 25792891/ 25497490 Fax : 033 25299141

Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889

info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in E-mail

Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi

UAE ■ Qatar ■ Netherlands

# **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\_0-5/11/1855

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

26 of the Water (Preve	ention and Control of Pol	lution) Act, 1974, as am	nended and Section 21 of the Air (Prevention and Control reunder, hereby grants its consent to:
	Jai Bala	ji Industrie	s limited (Unit M)
			(Address of Regd. office/Head/Office/City Office)
			Banskopa, Po! Rajbandh, Ps! Kanks
			(Detailed address of the manufacturing unit)
for a period from	date of is	sue 1	to 30/09/2023
trial unit, in accordan	ce with the conditions as	s mentioned in the Ann harge and gaseous emiss	nit gaseous effluent from the premises/land of the indus- nexure to this consent letter provided on any day at any sion shall not exceed the permissible limit as specified in action) Act, 1986.
			directions as set out in the Annexure shall render the Prevention and Control of Pollution) Act, 1974 and Air

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.

CISCOPITE DUNGS DATE OF THE PROPERTY OF THE PR

(Prevention and Control of Pollution) Act, 1981.

For and on behalf of the State Board

Assistant Environmental Engineer

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr./ Asst. Env. Engr./ Los Board West Bengal Political Board

#### ANNEXURE

Consent to	Jai	Balaji	Indus	tries limit	ed C	Unit IV)	
		~					Bardhaman
Pin - 71							

#### 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/	6133 MT
03	Ferro Chrome/Manganese Silico Manganese/ Metallurgical Coke Feno Silicon	29167 MT
04	Pig Iron	6000 MT
05	Power (Sectricity)	G △85 MW
06	Producer Gas	9000 Nm3/hz
07	Sponge Iron	12 000MT
08	Steel Billets	24950 MT
09	TMT Bars	19333 MT
10		
11	Comment of the second	
12		The second secon

- 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.

	To	i Balati	T. luti	(3) 1: :t	ed (lenit 1	(1)	
for its unit at	Viv: 9	Banskopa,	, Po! Rajt	randh, PS	', Kanksha,	Paschim	Bardhaman
Pin - 713							

#### Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
1	Mixed	pH	Between: 5.5 to 9.0	quaterly
		Total Suspended Solids	Not to exceed:   or mg/1.	0
	PARTY IN	Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed: 250 mg/l.	
0.1		Oil & Grease	Not to exceed:   o mg/l.	
-		Phenol	1.0 mg/2.	
VIII TO S	Vital Institution	CN .	0.2 mgll	Section 1
		WESTBEN	GAL	CONTRACTOR OF THE PARTY OF THE
100				100
		Charlest Control of the Control of t		
		VERNING WEEK TO THE TOTAL PROPERTY OF THE PARTY OF THE PA		

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

  - Domestic purpose → 149.50 KL
  - Processing whereby water gets polluted and the pollutants are easily biodegradable
  - Processing whereby water gets polluted and the pollutants are not easily biodegradable

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.)

- 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 faciliate 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	Stack attached to (sources and control system.	Volume Nm³/hr.	Velocity of gas emission	Concent	rations o	f parame	ters not to	exceed	Frequency of emission sampling
	GI., (in mts.)	if any):	WE:	m/sec	SPM (mg/Nm³)	CO (%v/v)	AL			
S-I			( See	Annexu	w 1)					
S-2		1								
S-3								1	8	
S-4	a) tento	a to August				7	7	6 B 2B		
S-5	PER DE C		1					SA SAY	To the	D los
S-6		tentro								
S-7		arbay L	THE RESERVE OF THE	(Wights 28				Section 201	Tage Service	est e
S-8				Section Co.	ile la					7.5
S-9				The same	pilot to the	2-17-1				
S-10	dist	and with the little		le tro	4 1,00	ab wa	the in			Lar 1

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

Assistant Environmental Engineer

Company Regentinged Mice

Wes - Polition Control Board

- 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	133300 lit/month	Rolling Mills
02	Non Coking Coal	62554 Ton/mouth	: Boiler DRI Kiln, SEAF Yours
03	Diesel	170 let/ hr	Da Sets
04	Coking Coal	45000 Ton mouth	Coke Oven 1
05	9		

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, 85 Stag	3940 MT/month	U KI STERROOM END	Sold/disposed off
Gal Dust, Scrap, Mill	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 10	Limit in dB(A) Leq
Day Time (06 a.m. to 09 p.m.)	65
Night Time (09 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.
- 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.)

Consent to Jai Balaji Industries Limited (Unit IV)
for its unit at Nill-Bauxkopa, PO: Rajbandh, PS: Kanksa, Paschin Bauthaman
Pin - 713212.

- The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- 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.
- 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.
- 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.
- 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** 

ANNEXURE - I

Valority of Concentration of Darameters not to be Euread Freezen of		- Thrice in a Year	Do	Do	Do	- Do	Yearly	- Half Yearly	Do	OO	Do	
otomered to noite	CO (% v/v)	1	1				1			•	1	
Concontr	SPM (mg/Nm³)	100	100	20	20	100	150	150	150	150	150	
Velocity of	Gas Emission (m/sec)											
Volumo	Nm³/hr	*		-		,						
Stack Height Stack Attached to (Source and Control System if any)	אמרא אונפטונים בין יסטונים מווח סטונים ואינים אינים אי	Rotary Kilns No. 1 & 2 (100 TPD X 2), ESP	Rotary Kilns No. 3 & 4 (100 TPD X 2), ESP	Cooler Discharge 4 Nos., Bag Filter	Product House, Bag Filter	Coal Crusher, Bag Filter	D.G. Set (380 KVA X 6)	Induction Furnace No. 4 & 5 (15 MT X 2), Common Bag Filter	Induction Furnace No. 1 & 2 (15 MT X 2), Common Bag Filter	Induction Furnace No. 3 (15 MTX 1), Common Bag Filter	Re-Heating Furnace No. 2 (40 TPH X 1), Dedicated Stack	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Stack Height	from G.L. (in meters)	30	30	30	30 -	30	5	24	24	24	25	-
SINO	of Stack	1	2	3	4	5	9	7	00	6	10	***

Contd.. P/2.

of of Stack	200	Stack Height Stack Attached to (Source and Control System, if any) from G.L. (in meters)	Volume Nm³/hr	Velocity of Concentration of Parameters not to be Exceed Gas Emission	Concentration	on of Paran	neters not to	pe Exceed	Frequency of Sampling
12	27	Re-Heating Furnace No. 1 (20 TPH X 1), Dedicated Stack		face him	150	1	4		Do
13	30	Stoves of MBF No. 1 (50 m <sup>3</sup> X 1)			150				
14	30	Stoves of MBF No. 2 (50 m3 X 1)			150	1 .			Do
15	15	Tap Hole Emission No. 1, Bag Filter			000	1			Do
16	15	Tap Hole Emission No. 2. Bap Filter			150				Do
	30	SEAF No. 1 & 2 (16.5 MVA X 2) Bag Filter			150	- ,	10		Do
18	30	SEAF No. 3 (16.5 MVA) Bag Filtor			150	-			Do
19	30	Briguetting Diant Curlons Comments			150	1			Do
20	100	Continue Designation Schools and			150	1			Do
- 1	700	Captive Power Plant (85 MW) with 2 nos. CFBC Boilers of Capacity 85 TPH and 170 TPH, Common Stack and Individual ESP	*	,	150	- /		*	OO
21	15	Raw Material Handling Section of Power Plant, Bag Filter		,	150	1			OO
22	7	D.G. Set (320 KVA X 2)			150				
23	5.6	D.G. Set (1000 KVA X 2)			150				Yearly
24	6.5	D.G. Set (500 kVA x 1)			OCT	1			Do
1	5	CONTRACT)			150	1			Do

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 28<sup>th</sup> August, 2007

То,

M/s Shri Rampuparai Balaji Steels Ltd. 5, Bentinck Street, Ist Floor Kolkata 700 001, West Bengal

E-Mail: ibalaii@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 10<sup>th</sup> March, 2007 alongwith project documents including Questionnaire, Feasibility Report and EIA/EMP and subsequent clarifications furnished vide communication dated 20<sup>th</sup> April, 2007, 17<sup>th</sup> May, 2007, 1st June, 2007 and 14<sup>th</sup> 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, Bardhman, West Bengalas 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 :	1 2.01.000
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 Alioys (MTPA)  High Carbon Ferro Chrome  Ferro-silicon  High Carbon Ferro Manganese & Neduyn Carbon Silico-  Manganese)	22,211 9,310 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 7<sup>th</sup> June, 2007.
- 4.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under EIA Notification dated 14<sup>th</sup> September, 2006 subject to strict compliance of the following conditions:

### A. Specific Conditions :

- 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 to the WBPCB & CPCB.
- ii) Low NO<sub>X</sub> burners shall be installed in bar and rod mills to reduce NO<sub>X</sub> emissions and other Mill related furnaces. Hot fumes from SMS shall be collected by the fume extraction system and condensed through a condenser.
- (ADDA) shall not exceed 1,50,000 I/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.
- 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 Parasia Mines shall be used for ash disposal. Char shall be used in FBC boiler. Waste oil shall be shall be sold to recyclers or properly disposed off as per the Hazardous Waste (Management & Handling) Rules,
- 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:

- 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 19<sup>th</sup> 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 and 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.

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 Bhubaneswer.
- 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 :-

- The Secretary, State Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
- The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Deihi-110032
- The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA Sector-III, Salt Lake, Kolkata - 700091, West Bengal.
- The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests A-3 Chandrashekharpur, Bhubaneswar 751 023, Orissa
- 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) 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 SagarBhanga, 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.



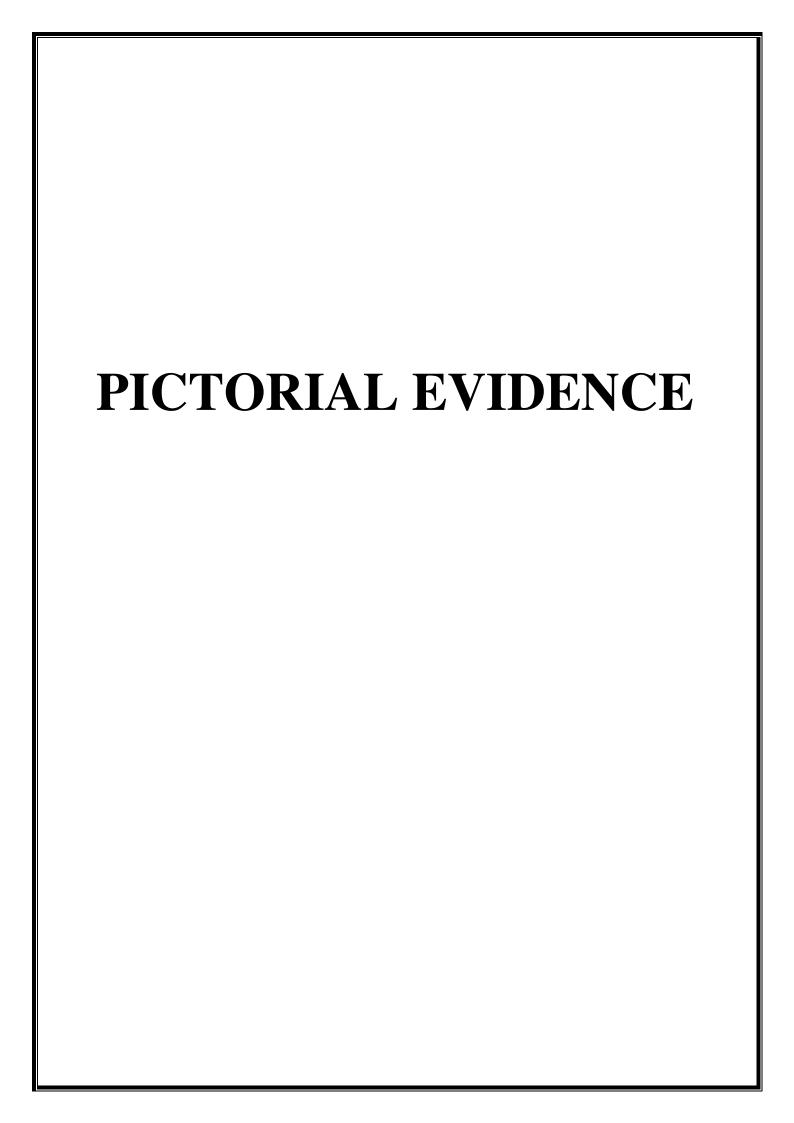




# AC Donation for Durgapur Govt. hospital.

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





# **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**



