SIX MONTHLY COMPLIACNE REPORT

SESSION: APRIL 2022 – SEPTEMBER 2022

F. No. J-11011/496/2009-IA-II (I), dated 29.11. 2010.

Unit- IV



IN RESPECT OF:

JAI BALAJI INDUSTRIES LIMITED

Village-Banskopa, PO-Rajbandh, Dist-Burdwan, West Bengal

INTRODUCTION

The project of Jai Balaji Industries Limited is located at Banskopa, P.O. - Rajbandh, Dist- Burdwan, West Bengal.

Jai Balaji Industries Limited was granted Environmental Clearance from GoI, MoEF & CC (Impact Assessment Division) Vide letter No F-No. J-11011/496/2009-IA-II (I), dated 29th November 2010. For expansion of Steel Plant (Unit-IV) by installation of Coke Oven Plant (Non recovery type, 1,65,000 TPA) along with Producer Gas Plant (9,000 Nm3/hr) and Captive Power Plant (WHRB 9 MW & CFBC 36 MW) as per Consent Letter No. Co110222, dtd. 09.10.2018.

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.

COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

Name of the Project: JAI BALAJI INDUSTRIES LIMITED- UNIT IV

Address: Village - Banskopa, P.O. - Rajbandh, dist. -

Burdwan, West Bengal

Clearance Letter No. : F-No. J-11011/496/2009-IA-II (I), dated 29th November 2010

Period of Compliance Report: April 2022 - September 2022

A. SPECIFIC CONDITIONS:

SI.	COMPLIANCE CONDITIONS	COMPLIANCE STATUS
i.	Effort shall be made to reduce RSPM levels in	Reduction in RSPM levels in the ambient air
	the ambient air and a time bound action plan	are ensured with all possible efforts. Ambient
	shall be submitted. On-line ambient air quality	air quality and stack gas quality levels are
	monitoring and continuous stack monitoring	monitored on regular basis. An action plan has
	facilities for all the stacks shall be provided.	been created already for combating air
		pollution efficiently. On-line stack monitoring
		facilities are available for all major stacks and
		sufficient air pollution control systems like
		ESP, Bag Filter, etc., are already installed to
		keep the emission level within the prescribed
		limit. Latest Stack, Ambient and Work zone
		air quality reports are attached as Annexure 1-
		3.
ii.	The National Ambient Air Quality	
	Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November,	1 suied by the Ministry vide $I_T \times R$ No
	2009 should be followed.	826(E) dated 16th November, 2009 is
		followed.

iii.	Stack monitoring facilities for the entire major	Installation of Stack monitoring facilities are
	stacks and adequate air pollution control	already done for all the major stack and
	systems viz. dust catchers, bag filters etc. to	adequate air pollution control systems are
	control particulate emission within the	already stationed to control particulate
	prescribed limits from coke oven shall be	emission within the prescribed limits.
	provided.	
	Electrostatic Precipitators shall be installed to	Electrostatic Precipitators is installed to
	control particulate emissions from the captive	control particulate emissions from the captive
	power plant. Carbon mono-oxide (CO) shall	power plant. Carbon mono- oxide (CO) is
	also be monitored along with other parameters	being monitored along with other parameters
	and standards notified under Environment	and standards notified under Environment
	(Protection)Act shall be followed. The reports	(Protection) Act are followed.
	shall be submitted to the Ministry's Regional	
	Office at the Bhubaneswar, Central Pollution	
	Control Board (CPCB) and West Bengal	
	Pollution Control Borad (WBPCB).	
iv.	Multi stage scrubber shall be installed to	Installation of Multi stage scrubber is already
	control gaseous and dust emission from the	done to control gaseous and dust emission
	coke oven stack. Measures shall be taken to	from the coke oven stack. Necessary
	prevent leakages from the coke oven plant.	measures are taken to prevent leakages from
		the coke oven plant.
v.	The prescribed emission standards for coke	Is being complied with.
	oven plants, as notified vide notification no.	
	GSR 46 (E) dated 3 rd February, 2006 and	
	subsequently amended shall be complied with.	
vi.	In-plant control measures like bag filters, de-	Provision for In-plant control measures like
· 1·	dusting and dust suppression system shall be	bag filters, de-dusting and dust suppression
	provided to control fugitive emissions from all	system is already provided to control fugitive
	the vulnerable sources. Dust extraction and	emissions from all the vulnerable sources.
	suppression system shall be provided at all the	Dust extraction and suppression system is
	transfer points, coal handling plant and coke	provided at all the transfer points, coal

	sorting plant of coke oven plant.	handling plant and coke sorting plant of coke
	Bag filters shall be provided to hoods dust	oven plant. Bag filters is provided to hoods
	emissions. Water sprinkling system shall and	and dust collectors to coal and coke handling
	dust collectors to coal and coke handling to	to control dust emissions. Water sprinkling
	control be provided to control secondary	system is provided to control secondary
	fugitive dust emissions generated during	fugitive dust emissions generated during
	screening loading, unloading, handling and	screening loading, unloading, handling and
	storage of raw materials etc.	storage of raw materials etc.
vii	Secondary fugitive emissions shall be controlled	Suitable efforts are taken to control Secondar
	within the prescribed limits, regularly monitored	fugitive emissions and to keep it within th
	and records maintained. Guidelines/Code of	prescribed limits. The latest Work Zone A
	Practice issued by the CPCB in this regard shall	Monitoring reports are given in Annexure 3.
	be followed.	
viii.	Vehicular pollution due to transportation of	Vehicular pollution due to transportation of
	raw material and finished product shall be	raw material and finished product is kept
	controlled. Proper arrangements shall also be	under control. All the raw materials including
	made to control dust emission during loading	fly ash is being transported in the closed
	and unloading of the raw material and finished	containers only. Suitable arrangement has
	product. Efforts shall also be made to reduce	been made to reduce impact of the transport
	impact of the transport of the raw materials	of the raw materials and end products on the
	and end products on the surrounding	surrounding environment including
	environment including agricultural land. All	agricultural land. The raw materials including
	the raw materials including fly ash shall be	fly ash is transported in the closed containers
	transported in the closed containers only and	only.
	shall not be overloaded vehicular emissions	
	shall be regularly monitored and records kept.	
ix.	The company shall explore possibility of use	All the bottom ash is being used for
	of bottom ash for brick manufacturing.	landfilling purpose. All the fly ash generated
		during the process is distributed to M/s Ultra
		Tech Cement located near to the project site.

Х.	The makeup requirement of the water shall not	The makeup requirement of the water are
	exceed 30 m ³ /hr. All the treated wastewater	kept within 30m ³ /hr. All the treated
	shall be recycled for dust suppression and	wastewater is being recycled for dust
	green belt development. Domestic wastewater	suppression and green belt development. Zero
	shall be treated in septic tank followed by soak	effluent discharge is being strictly followed
	pit and used for green belt development. Zero	and no wastewater is being discharged
	effluent discharge shall be strictly followed	outside the premises.
	and no wastewater shall be discharged outside	
	the premises. Regular monitoring of Trace	
	elements including Arsenic in the Ground	
	Water has to be done.	
xi.	Efforts shall be made to make use of rain water	Suitable efforts are made to make use of rain
	harvested. If needed capacity of the reservoir	water harvested. Well-developed Rain water
	shall be enhanced to meet the maximum water	harvesting system is already present within
	requirement. Only balance water requirement	the factory premises to utilize the collected
	shall be met from other sources.	rain water. The harvested water is used in
		various units to reduce raw water
		consumption per ton of finished product. The
		harvested water is also used for sprinkling on
		the road and in the green belt development.
xii.	The company shall obtain a certificate from the	The quality of coal is as per Indian coal.
	supplier of coking coal that it does not contain	
	any toxic or trace metals. A copy of	
	certificate shall be submitted to the Ministry of	
	Environment and Forests.	
xiii.	Coke breeze shall be used as fuel in the	Coke breeze is used as fuel in the existing
	existing ferro alloy plant. Coal fines shall be	ferroalloy plant. Coal fines is recycled and
	recycled and reused in the process. Fly ash	reused in the process. Fly ash generated
	generated from CFBC boiler shall be sold to	from CFBC boiler is sold to local cement
1	local company plant/brick manufacturant. Ton	plant/brick manufacturers.
	local cement plant/brick manufacturers. Tar	pland offer manufacturers.
	generated from Producer Gas plant shall be	plant/oriek manufacturers.

	dust shall be used for landfilling. The waste	
	oil shall be property disposed off as per the	
	Hazardous Waste (Management Handling,	
	Handling and Transboundry Movement)	
	Rules, 2008.	
xiv.	Risk and Disaster Management Plan along	This condition is complied with.
	with the mitigation measures shall be	
	prepared and a copy submitted to the	
	Ministry's Regional Office at Bhubaneswar	
	SPCB and CPCB within 3 months of issue of	
	environment clearance letter.	
XV.	The recommendations made in the Charter	The recommendations made in the Charter on
	on Corporate Responsibility for Environment	Corporate Responsibility for Environment
	Protection (CREP) for the Coke Oven Plants	Protection (CREP) for the Coke Oven Plants is
	shall be implemented.	being implemented.
xvi.	As proposed green belt should be	As proposed, suitable efforts are being taken to
	developed in at least 33% of the project area	develop Greenbelt and it comprises 33% of the
	with a revised green belt plan so as to have a	project area. Selection of plant species is as per
	minimum width of 15 to 20 m. Selection of	the CPCB guidelines.
	plant species shall be as per the CPCB	Photographs of green belt is attached.
	guidelines in consultation with the DFO.	
xvii.	All the commitments made to the public during	This condition is complied with.
	the Public Hearing/Public Consultation meeting	
	held on 15th july, 2010 shall be satisfactorily	
	implemented and a separate budget for	
	implementing the same shall be allocated and	
	information submitted to the Ministry's	
	Regional Office at Bhubaneswar.	
LI		

. At least 5% of the total cost of the project	This condition is complied with.
shall be earmarked towards the corporate	
social responsibility and item- wise details	
along with time bound action plan should be	
prepared and submitted to the Ministry's	
Regional Office at Bhubaneswar	
Implementation of such program shall be	
ensured accordingly in a time bound manner.	
The company shall provide housing for	The project is now in operation phase so it is
construction labour within the site with all	not applicable now.
necessary infrastructure and facilities such as	
fuel for cooking, mobile toilets, mobile STP,	
safe drinking water medical health care,	
crèche etc. The housing may be in the	
form of temporary structures to be	
removed after the completion of the	
project	
	shall be earmarked towards the corporate social responsibility and item- wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar Implementation of such program shall be ensured accordingly in a time bound manner. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the

B. GENERAL CONDITIONS

Sl.	COMPLIANCE CONDITIONS	COMPLIANCE STATUS
i.	The Project Authorities must strictly adhere to	According to the stipulations made by the
	the stipulations made by West Bengal	WBPCB and the State Government,
	Pollution Control Board (WBPCB) and State	Consent to Operate obtained from
	Government.	WBPCB is attached as Annexure 7.
ii.	No further expansion or modification of the	No further expansion or modification of
	plant shall be carried out without prior	the plant will be carried out without
	approval of this Ministry of Environment and	prior approval of this Ministry of
	Forest.	Environment and Forest
iii.	The gaseous emission from various process	The gaseous emission from various
	units shall conform to the load/mass based	process units is analyzed by NABL
	standards notified by the Ministry on 19th	accredited Laboratory and results
	May, 1993 and standards prescribed from	conforms to the prescribed standards.
	time to time. The State Board may specify	
	more stringent standards for the relevant	
	parameters keeping in view the nature of	
	the industry and its size and location.	
iv.	At least four ambient air quality monitoring	Ambient Air Quality monitoring is
	stations should be established in the	conducted on regular basis to keep the
	downward direction as well as where	ground level concentration of the
	maximum ground level concentration of	pollutants within the permissible limit.
	PM10, SO2 and NOx are anticipated in	Both Stack emission and ambient air
	consultation with the SPCB. Data on ambient	quality analysis along with data
	air quality and stack emission shall be	compilation are conducted by NABL
	regularly submitted to this Ministry	accredited Laboratory. The latest test
	including its Regional Office at Bhubaneswar	results are attached as Annexures 1 and
	and the SPCB/CPCB once in six months.	2.

	To have the state of the state	
v.	Industrial wastewater shall be properly	Industrial wastewater is being collected
	collected treated so as to conform to the	and treated so as to conform to the
	standards prescribed under GSR 422 (E) dated	standards prescribed. The treated
	19 th May, 1993 and 31 st December,1993 or as	wastewater is reused for Greenbelt
	amended from time to time. The treated	development and other uses. The test
	wastewater shall be utilized for plantation	reports for Effluent and Drinking water
	purpose.	are attached as Annexure 4-5.
vi.	The overall noise levels in and around the plant	The overall noise levels in and around
	area shall be kept well within the standards	the plant area is kept well within the
	85 dBA by providing noise control measures	standards. The latest test reports are
	including acoustic hoods, silencers, enclosures,	attached as per Annexure – 6.
	etc. on all sources of noise generation. The	
	ambient noise levels shall conform to the	
	standards prescribed under Environmental	
	Protection Act, 1989 Rules viz. 75	
	dBA (day time) and 70 dBA (night time).	
vii.	Occupational health surveillance of the	Occupational health surveillance of the
	workers shall be done on a regular basis and	workers is being done on a regular
	records maintained as per the Factory Act.	basis.
viii.	The company shall develop rain water	Well-developed Rain water harvesting
	harvesting structures to harvest the rain water	structure is already installed to harvest the
	for utilization in the lean season besides	rain water for utilization in the lean
	recharging the ground water table.	season besides recharging the ground
		water table.
ix.	The project proponent shall also comply with	Compliance with all the
	all the environmental protection measures	environmental protection measures
	and safeguards recommended in the	and safeguards recommended in the
	EIA/EMP report. Further the company must	EIA/EMP report are being
	undertake socio- economic development	implemented. Further, various socio-
	activities in the surrounding villages like	economic development activities are
	community development programmes,	undertaken in the adjoining villages.
	educational programmes, drinking water	
	supply and health care etc.	

X.	Requisite amount shall be earmarked towards	The fund earmarked towards the capital
л.	capital cost and recurring cost/annum for	cost and recurring cost/annum for
	environment pollution control measures to	C C
	1	environmental pollution control measures is utilized to
	implement the conditions stipulated by the Ministry of Environment and Ecrests as well as	
	Ministry of Environment and Forests as well as	implement the conditions stipulated by
	the State Government. An implementation	the Ministry of Environment and Forests
	schedule for implementing all the conditions	as well as the State Government.
	stipulated herein shall be submitted to the	
	Regional Office of the Ministry of	
	Bhubaneswar. The funds so provided shall not	
	be diverted for any other purpose.	
xi.	A copy of clearance letter shall be sent by the	This condition is complied with.
	proponent to concerned Panchayat, Zila	A copy of clearance letter is attached in
	Parishad/Municipal Corporation. Urban Local	Annexure 8.
	Body and the local NGO, if any from whom	
	suggestions/representations, if any were	
	received while processing the proposal.	
	The clearance letter shall also be put on the	
	website of the company by the proponent.	
xii.	The project proponent shall upload the status	The status of compliance of the
	of compliance of the stipulated environment	stipulated environment clearance
	clearance conditions, including results of	conditions, including results of
	monitored data on their website and shall	monitored data is displayed on the
	update the same periodically. It shall	company's website and is updated
	simultaneously be sent to the Regional Office	periodically. The analysis of PM_{10} ,
	of the MoEF at Bhubaneswar, the respective	SO ₂ , NOx are being conducted by the
	Zonal Office of CPCB and the CECB. The	NABL accredited laboratory, M/s.
	criteria pollutant levels namely. PM10, SO2,	ENVIROCHECK. The test results are
	NOx (ambient levels as well as stack	being displayed at the main gate of the
	emissions) or critical sectoral parameters,	company.
	indicated for the projects shall be monitored	
	and displayed at a convenient location near the	
	main gate of the company in the public	

	domain.	
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of mentioned data (both in hard copies as well as by e- mail) to the Regional Office of MoEF the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry At Bhubaneswar/CPCB/SPCB/ shall monitor the	Both hard and soft copies of six monthly reports on the status of the compliance of the stipulated environmental conditions are sent to the respective ministry.
xiv.	stipulated conditions. The environmental statement for each financial year ending 31 st March in Form- V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules,1986, as amended subsequently shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF at	Complied with.
XV.	Bhubaneswar by e-mail.The Project Proponent shall inform the publicthat the project has been accordedenvironmental clearance by the Ministry andcopies of the clearance letter are availablewith the W. B. Pollution Control Board /Committee and may also be seen at Websiteof the Ministry of Environment and Forests athttp:/envfor.nic.in. This should be advertisedwithin seven days from the date of issue ofthe clearance letter at least in two local	Complied with.

	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.	
xvi.	Project Authorities shall inform the Regional	The project was approved in February,
	Office as well as the Ministry, the date of	2007 by the Board of Directors and the
	financial closure and final approval of the	land development work started in
	project by the concerned authorities and the	September, 2007.
	date of commencing the land development	
	work.	

ANNEXURE 1





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)				Type of Industry		:	Steel Plant		
Address : Banskopa, Rajbandh, Durgapur, Paschim				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 &	Sampling Plan & Procedure : ENV/SOP/01 Deviation from the Sar			m the Samp	ling Method and Plan	:	No	Type of	:	Stack	
					eriod of analysis : 16.09.2022 – 17.0 ate of Issue : 19.09.2022 g Method and Plan : No Type of : St Sample En			Emission			
Sample ID No.	Sample ID No. : ENV/68/Sep./A/I Report No. : ENV/68/Sep./TR(A)/1/22-23										

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 1 & 2) (SMS) attached			
Shape of Stack	:	Circular	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 & Ladd	er	: Yes
Working Fuel	:	Nil			
Consumption					
Pollution Control Device	:	Spark arrester & Bag Filter	and the second se		

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	OC	IS : 11255 (Part 1)	:	67.0	N.A.
2.	Barometric Pressure	mm of Hg.			752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		9.56	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	23418.44	N.A.
5.	Concentration of	mg/Nm ³	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			

N.A. means Not Available.

Reviewed By :

Indraw Dra

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)						e of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim		Sam	pling Date		:	14.09.2022		
		Bardha	Bardhaman, Pin - 713212					iod of analysis			16.09.2022 - 17.09.2022		
							Date	of Issue	ue : 19.09.2022				
Sampling Plan 8	ι Pr	ocedure		ENV/SOP/01	Deviation from	n the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack
										5.0	Sample		Emission
Sample ID No.	:	ENV/68	8/Se	p./A/VI	F	Report No.	:	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.)	:	100.0
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)	and the second second		
Pollution Control Device	:	E.S.P	and the second s		

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	oC	IS : 11255 (Part 1)	:	139.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	11.97	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	1051598.85	N.A.
5.	Concentration of SO_2 (at 6% O_2)	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	354.05	600.0
6.	Concentration of NO_x (at 6% O_2)	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98	:	171.35	200.0
			reapproved 2009 : Sec 11 (Vol. 11.07) : 2011			
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	11.4	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
9.	a) Concentration of Particulate			:	38.03	N.A.
	Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D			
	b) Concentration of Particulate		3685/D 3685M-98 (reapproved 2005) :	:	38.54	50.0
	Matter (at 6% O ₂)		Sec. 11 (Vol. 3 11.07) : 2011			

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

N.A. means Not Available. :

During monitoring only CFB Boiler No.1 was running.

Reviewed By :

Indrawi Blattacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)	1	Туре	e of Industry		:	Steel Plant		2
Address		Bansko	oa, I	Rajbandh, Durgaj	our, Paschim		Sampling Date			:	14.09.2022		
1 a b		Bardhai	nan	, Pin - 713212			Period of analysis			:	16.09.2022 - 17.09.2022		
							Date	of Issue			19.09.2022		
Sampling Plan &	2 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	/Se	p./A/VI		Report No.	:	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.)	:	100.0
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	:	90 MT/hr. (Only for CFBC Boiler No.1)			
Consumption					
Pollution Control Device	:	E.S.P	A REAL PROPERTY OF A REAL PROPER		

B. RESULT

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrawi Blattachary

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)	Type of Industry		:	Steel Plant		
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschim	Sampling Date	: 14.09.2022				
		Bardha	man	, Pin - 713212		Period of analysis	: 16.09.2022 - 17.09.202			7.09.2022	
						Date of Issue		:	19.09.2022		
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation from the Sam	pling Method and Plan	:	No	Type of	:	Stack
								14	Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/II	Report No	. : ENV/68/Sep./T	'R(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						
Pollution Control Device	:	Spark arrester & Bag Filter				

B. RESULTS

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

Reviewed By :

Indraw Dra

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Type 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	- 1	7.09.2022
							Date of Issue			19.09.2022		
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation from the Sar	mpl	ing Method and Plan	:	No	Type of	:	Stack
										Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/III	Report No	0.	: ENV/68/Sep./T	R(A)/III/	/22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 4 & 5) (attached)				
Shape of Stack	:	Circular	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			and the second se			
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	0 ⁰	IS : 11255 (Part 1)	:	70.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		9.61	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	23332.85	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	49.65	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			

Reviewed By :

Indraw

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Гуре of Industry		:	Steel Plant			
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim	C 2	Sampling Date : 14.09.20				022		
		Bardhai	mar	, Pin - 713212	I	Period of analysis		: 16.09.2022 - 17.09.20			7.09.2022		
						I	Date of Issue			19.09.2022			
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation from the San	npli	ng Method and Plan	:	No	Type of	:	Stack	
									6.0	Sample		Emission	
Sample ID No.	:	ENV/68	3/Se	p./A/V	Report No).	: ENV/68/Sep./T	R(A)/V/	22-23			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reheating Furnace (No. 2)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.9	0
Capacity	:	40 TPH	Height of sampling port (mtr.) (from G.L.)	:	10	6
Emission Due to	:	Combustion of CBM (Coal Bed Methane)				
Fuel Used	:	Coal Bed Methane	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	50 Nm ³ /hr.				
Consumption						
Pollution Control Device	:	Nil				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	<u>о</u> С	IS : 11255 (Part 1)	:	222.0	N.A.
2.	Barometric Pressure	mm of Hg.		1	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		14.68	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	1	20006.84	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003		35.24	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	4.8	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	1.1	41.78	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			

N.A. means Not Available.

Reviewed By :

Indrawi Blattachary

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Type of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgap	our, Paschim		Sampling Date		:	14.09.2022		
		Bardhai	mar	, Pin - 713212		Period of analysis		: 16.09.2022 - 17.09.202			7.09.2022	
							Date of Issue		•••	19.09.2022		
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation fro	om the Samp	ling Method and Plan	:	No	Type of	:	Stack
									83	Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/IV		Report No.	: ENV/68/Sep./T	'R(A)/IV/	/22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Reheating Furnace (No. 1)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.9	0
Capacity	:	20 TPH	Height of sampling port (mtr.) (from G.L.)	:	10.	6
Emission Due to	:	Combustion of CBM (Coal Bed Methane)				
Fuel Used	:	Coal Bed Methane	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	25 Nm ³ /hr.				
Consumption						
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	PARAMETERS UNIT METHOD NO.			RESULTS	LIMIT
NO.		0.0			100.0	
1.	Flue Gas Temperature	OC	IS : 11255 (Part 1)	:	198.0	N.A.
2.	Barometric Pressure	mm of Hg.	termination and the second second	1	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	13.60	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	- 6	19481.22	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	23.0	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003		4.2	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
8.	Concentration of	mg/Nm ³	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			

: N.A. means Not Available.

Reviewed By :

Indrawi Bhaltacharyya

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Type of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim		Sampling Date : 15.09.2022					
		Bardhai	mar	, Pin - 713212		Period of analysis		: 16.09.2022 - 17.09			7.09.2022	
							Date of Issue			19.09.2022		
Sampling Plan &	2 Pro	ocedure	:	ENV/SOP/01	Deviation fr	om the Samp	ling Method and Plan	:	No	Type of	:	Stack
									14	Sample		Emission
Sample ID No.	:	ENV/68	3/Se	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
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.2
Capacity	:	45 m ³	Height of sampling port (mtr.) (from G.L.)	:	20.0
Emission Due to	:	Combustion of B. F. Gas			
Fuel Used	:	B. F. Gas	Permanent Platform & Ladd	er	: Yes
Working Fuel	:	2800 - 3000 Nm ³ /hr.			
Consumption					
Pollution Control Device	:	GCP consists Dust Catcher, Saturate	or, Venturi Scrubber & Cyclone Separator		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	^о С	IS : 11255 (Part 1)	:	282.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		15.55	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	32270.06	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	16.31	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	11.4	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D		21.43	150.0
	Particulate Matter	0,	3685/D 3685M-98 (reapproved 2005) :			
		100	Sec. 11 (Vol. 3 11.07) : 2011			

N.A. means Not Available.

Reviewed By :

Indrawi Bhaltacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Type of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim		Sampling Date : 15.09.2					
		Bardhai	mar	, Pin - 713212		Period of analysis	iod of analysis			16.09.2022 - 17.09.2022		
							Date of Issue			19.09.2022		
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation from the Sau	mpl	ing Method and Plan	:	No	Type of	:	Stack
										Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/VIII	Report N	0.	: 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
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.2
Capacity	:	45 m ³	Height of sampling port (mtr.) (from G.L.)	:	20.0
Emission Due to	:	Combustion of B. F. Gas			
Fuel Used	:	B. F. Gas	Permanent Platform & Ladd	er	: Yes
Working Fuel	:	2800 - 3000 Nm ³ /hr.			
Consumption		A set of the			
Pollution Control Device	:	GCP consists Dust Catcher, Saturate	or, Venturi Scrubber & Cyclone Separator		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	⁰ C	IS : 11255 (Part 1)	:	290.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	14.86	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	30415.75	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	21.77	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003		11.2	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	26.42	150.0
	Particulate Matter	0,	3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			

N.A. means Not Available.

Reviewed By :

Indrawi Bhaltacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)	Type of Industry		:	Steel Plant			
Address	:	Bansko	pa, l	Rajbandh, Durgap	our, Paschim	Sampling Date	: 15.09.2022					
		Bardhaman, Pin - 713212				Period of analysis		:	: 16.09.2022 - 17.09.2022			
						Date of Issue		:	19.09.2022			
Sampling Plan &	e Pr	ocedure	:	ENV/SOP/01	Deviation from the Sam	pling Method and Plan	:	No	Type of	:	Stack	
								1.0	Sample		Emission	
Sample ID No.		ENV/68	8/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	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.9	0	
Capacity	:		Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	During Processing					
Fuel Used	:	N.A.	Permanent Platform & Ladd	er	:	Yes	
Working Fuel	:	Nil					
Consumption							
Pollution Control Device	:	Bag Filter	and the second se				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	:	73.0	N.A.
2.	Barometric Pressure	mm of Hg.		1	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		9.60	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	1	18696.29	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D		26.74	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			
Remar	ks : Limit as per CPCB [Em : N.A. means Not Availa	U U	art IV : COINDS/26/1986-87].			

Reviewed By:

Indraw Dra

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail : Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)	Type of Industry		:	Steel Plant			
Address		Bansko	pa, l	Rajbandh, Durgaj	our, Paschim	Sampling Date : 15.09.2022						
		Bardhaman, Pin - 713212				Period of analysis		: 16.09.2022 - 17.09.202			7.09.2022	
						Date of Issue : 19.09.2022						
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation from the Sam	pling Method and Plan	:	No	Type of	:	Stack	
								14	Sample		Emission	
Sample ID No.	:	ENV/68	8/Se	p./A/X	Report No	: ENV/68/Sep./T	R(A)/X/	22-23			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tape Hole Emission (No.2)					
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30	.0	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.9	0	
Capacity	:		Height of sampling port (mtr.) (from G.L.)				
Emission Due to	:	During Processing					
Fuel Used	:	N.A.	Permanent Platform & Ladd	er	:	Yes	
Working Fuel	:	Nil					
Consumption							
Pollution Control Device	:	Bag Filter	and the second se				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	0 ⁰ C	IS : 11255 (Part 1)	:	77.0	N.A.
2.	Barometric Pressure	mm of Hg.			751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		9.65	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)		18577.15	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	26.54	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			
Remar	ks : Limit as per CPCB [Em : N.A. means Not Availa	U U	art IV : COINDS/26/1986-87].			

Reviewed By:

Indraw Dra

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail : Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)	r	Гуре of Industry		:	: Steel Plant				
Address		Bansko	pa, l	Rajbandh, Durgaj	our, Paschim	0	Sampling Date	: 15.09.2022						
		Bardhaman, Pin - 713212]	Period of analysis		: 16.09.2022 - 17.09.202			7.09.2022		
]	Date of Issue			19.09.2022				
Sampling Plan &	2 Pr	ocedure		ENV/SOP/01	Deviation from the Sar	npli	ng Method and Plan	:	No	Type of	:	Stack		
									14	Sample		Emission		
Sample ID No.	:	ENV/68	8/Se	p./A/XI	Report No	o.	: 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
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.6	50
Capacity	:	16.5 MVA x 2	x 2 Height of sampling port (mtr.) (from G.L.)			
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	and the second s			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	0 ⁰ C	IS : 11255 (Part 1)	:	89.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		10.63	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	165094.13	N.A.
8.	Concentration of	mg/Nm ³	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			
Remar	ks : Limit as per CPCB [Em : N.A. means Not Availa	U U	art IV : COINDS/26/1986-87].			

Reviewed By:

Indraw Dra

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail : Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Type of Industry		:	: Steel Plant				
Address	:	Bansko	pa, l	Rajbandh, Durgap	our, Paschim		Sampling 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 &	ı Pr	ocedure	:	ENV/SOP/01	Deviation fro	om the Samp	ling Method and Plan		No	Type of	:	Stack		
										Sample		Emission		
Sample ID No.	:	ENV/68	3/Se	p./A/XII		Report No.	: ENV/68/Sep./1	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
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.6	0
Capacity	:	16.5 MVA	Height of sampling port (mtr.) (from G.L.)	:	21	5
Emission Due to	:	Melting of Mn-Ore, Dolomite, Lime Stone				
Fuel Used	:	N.A. (Electricity Operated)	Permanent Platform & Ladd	er	:	Yes
Working Fuel	:	Nil				
Consumption			and the second			
Pollution Control Device	:	Bag Filter & F.D. Cooler				

B. RESULTS

1. Flue Gas Temperature					1
	0C	IS : 11255 (Part 1)	:	72.0	N.A.
2. Barometric Pressure	mm of Hg.	the second	:	751.0	N.A.
3. Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	8.84	N.A.
4. Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	1	144072.34	N.A.
B. Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	31.90	150.0
Particulate Matter		3685/D 3685M-98 (reapproved 2005) :			I
		Sec. 11 (Vol. 3 11.07) : 2011			

Reviewed By :

Indraw

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # IV)		Type of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim		Sampling Date			16.09.2022		
		Bardha	Bardhaman, Pin - 713212				Period of analysis			16.09.2022 - 17.09.2022		
							Date of Issue		:	19.09.2022		
Sampling Plan &	e Pro	ocedure	:	ENV/SOP/01	Deviation from the	Samp	ling Method and Plan	:	No	Type of	:	Stack
									1.1	Sample		Emission
Sample ID No.	:	ENV/68	8/Se	p./A/XIII	Repor	t No.	: ENV/68/Sep./T	R(A))/XII	I/22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Briquetting Plant				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	21.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.8	
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	9.0	
Emission Due to	:	Combustion of Furnace Oil				
Fuel Used	:	Furnace Oil	Permanent Platform & Ladd	er	:	Yes
Working Fuel Consumption	:	100 litr./hr.				
Pollution Control Device	:	Water Scrubber / Bag Filter	and the second se			

<u>B. RESULTS</u>

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	:	140.0	N.A.
2.	Barometric Pressure	mm of Hg.		1	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		11.24	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	12	14212.35	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	45.71	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	- : -	6.0	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003		<1.0	1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D		41.78	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			

: N.A. means Not Available.

Reviewed By :

Indrawi Blattacharypa

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager





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, l	Rajbandh, Durgaj	our, Paschim		Sampling Date		:	16.09.2022		
		Bardha	Bardhaman, Pin - 713212				Period of analysis			16.09.2022 - 17.09.2022		
							Date of Issue			19.09.2022		
Sampling Plan 8	ι Pr	ocedure	:	ENV/SOP/01	Deviation from th	ne Samp	ling Method and Plan		No	Type of	:	Stack
										Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/XIV	Rep	ort No.	: ENV/68/Sep./T	'R(A)/XIV	//22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G 1000 KVA (No.1) (Acoustic	Enclosure attached)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	8.5	3	
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.2	0	
Capacity	:	1000 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	:	130 – 140 litr./hr.					
Consumption							
Pollution Control Device	:	Nil	and the second s				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	oC	IS : 11255 (Part 1)	:	450.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	19.21	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	887.48	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	121.50	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	9.4	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
8.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D		71.78	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:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)		Туре	of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgap	our, Paschim		Samp	oling Date		:	16.09.2022		
		Bardhai	Bardhaman, 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	oling M	ethod and Plan	:	No	Type of	:	Stack
										14	Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./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 a	ittached)			
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.)	:	0.2	0
Capacity	:	500 KVA	Height of sampling port (mtr.) (from G.L.)			
Emission Due to	:	Combustion of H.S.D				
Fuel Used	:	H.S.D	Permanent Platform & Ladd	er	:	No
Working Fuel Consumption	:	50 – 60 litr./hr.	and the second second			
Pollution Control Device	:	Nil	and the second se			

B. RESULTS

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

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)	Type of Industry		:	Steel Plant			
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim	Sampling Date	:	16.09.2022				
		Bardhai	mar	, Pin - 713212		Period of analysis	Period of analysis			16.09.2022 - 17.09.2022		
						Date of Issue			19.09.2022			
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation from the Sam	pling Method and Plan	:	No	Type of	:	Stack	
									Sample		Emission	
Sample ID No.	:	ENV/68	3/Se	p./A/XVI	Report No	. : ENV/68/Sep./	TR(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.)	:	0.1	0
Capacity	: 380 KVA Height of sampling port (mtr.) (from G.L.)				Fin	al Exhaust
Emission Due to	:	Combustion of H.S.D				
Fuel Used	:	H.S.D	Permanent Platform & Ladd	er	:	No
Working Fuel	:	50 - 55 litr./hr.				
Consumption						
Pollution Control Device	:	Nil	The second se			

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	oC	IS : 11255 (Part 1)	:	182.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	14.67	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	270.89	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	55.84	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	7.2	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
8.	Concentration of Particulate	mg/Nm ³	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:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it # IV)	Type of Industry		:	Steel Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschim	Sampling Date	:	16.09.2022			
		Bardhai	mar	, Pin - 713212		Period of analysis	:	16.09.2022 - 17.09.2022			
						Date of Issue	Date of Issue				
Sampling Plan &	ı Pr	ocedure	:	ENV/SOP/01	Deviation from the San	pling Method and Plan	:	No	Type of	:	Stack
									Sample		Emission
Sample ID No.	:	ENV/68	3/Se	p./A/XVII	Report No	. : ENV/68/Sep./	TR(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.)	:	0.2	0
Capacity	:	20 KVA Height of sampling port (mtr.) (from G.L.)				al 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.	and the second second			
Pollution Control Device	:	Nil	And a state of the			

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	oC	IS : 11255 (Part 1)	:	175.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	15.83	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	1179.90	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	62.47	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	7.0	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
8.	Concentration of Particulate	mg/Nm ³	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.

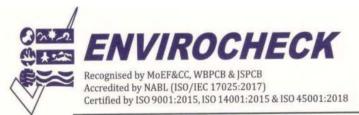
 :
 During monitoring temporary ladder and platform were provided.

Reviewed By :

[•] INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit a	# IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskopa	Ra	ibandh, Durgapu	r, Paschim B	urdwan, Pin	Samp	oling Date		:	12.07.2022		
		- 713212					Period of analysis				16.07.2022 - 16.07.2022		
							Date	of Issue		:	18.07.2022		
Sampling Plar	1 & I	Procedure	:	ENV/SOP/01	Deviation f	rom the Samp	oling M	lethod and Plan	:	No	Type of	:	Stack
											Sample		Emission
Sample ID No.		: ENV/25	5/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	:	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		:	Yes
Working Fuel Consumption	:	4.1 MT/hr./Kiln			•	
Pollution Control Device	:	E.S.P				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
L.	Flue Gas Temperature	0 C	IS : 11255 (Part 1)	:	156.0	N.A.
	Barometric Pressure	mm of Hg.		:	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.92	N.A.
ł.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	19016.80	N.A.
i. 🗌	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	510.34	N.A.
.	Concentration of NO _x	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	:	162.23	N.A.
	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	11.0	N.A.
	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	1.0
	a) Concentration of Particulate			:	38.64	N.A.
	Matter (at 11% CO ₂)	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D			
	b) Concentration of Particulate Matter (at 12% CO ₂)		3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	:	42.15	150.0

mit as per CPCB [Emission Regulation F Remarks

N.A. means Not Available. :

During monitoring both Kilns were running

Reviewed By :

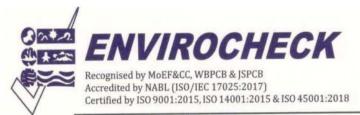
Indraui Blattacharyya

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY **Technical Manager**

H.O. Laboratory E-mail : UAE . Qatar . Netherlands Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit a	# IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskopa	Ra	ibandh, 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 Plar	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	j/Ju	ly/A/II		Report No.	:	ENV/25/July/T	R(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 stat	ck DRI			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from	:	30	.0
			G. L.)			
Materials of	aterials of : M.S. Stack I.D. at sampling p		Stack I.D. at sampling point	:	1.2	
Construction			(mtr.)			
Capacity	:	100 TPD (each Kiln)	Height of sampling port	:	25	.0
			(mtr.) (from G.L.)			
Emission Due to	:	Combustion of Coal & Reduction of Fe-Ore				
Fuel Used	:	Coal	Permanent Platform & Ladder	•	:	Yes
Working Fuel	:	4.1 MT/hr./Kiln				
Consumption						
Pollution Control Device	:	E.S.P				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	0 C	IS : 11255 (Part 1)	:	163.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	11.74	N.A.
ł.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	21966.12	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	549.01	N.A.
5.	Concentration of NO _x	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	:	149.19	N.A.
<i>'</i> .	Concentration of CO ₂	% (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
).	a) Concentration of Particulate			:	36.76	N.A.
	Matter (at 11.6% CO ₂)	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D			
	b) Concentration of Particulate Matter (at 12% CO ₂)	5.	3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	:	38.02	150.0

mit as per CPCB [Emission Regulation I Remarks

N.A. means Not Available. :

During monitoring both Kilns were running

Reviewed By :

Indraui Blattacharyya

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY **Technical Manager**

H.O. Laboratory E-mail Overseas





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit a	# 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&	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	5/Ju	ly/A/III		Report No.	:	ENV/25/July/T	R(A))/III/	22-23				

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	r	: Yes
Working Fuel Consumption	:	Nil			· ·
Pollution Control Device	e :	Bag Filter			

<u>B. RESULTS</u>

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	0C	IS : 11255 (Part 1)	:	52.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	8.70	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	4547.02	N.A.
5.	Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	14.46	150.0
	Matter		3685/D 3685M-98 (reapproved 2005) :			
			Sec. 11 (Vol. 3 11.07) : 2011			

Reviewed By : Indraui Blattacharype

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By :

Dr. SUMIT CHOWDHURY Technical Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # IV)				Type of Industry			:	: Steel Plant				
Address	:	Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pi					Sampling Date				12.07.2022			
		- 713212					Period of analysis			:	16.07.2022 - 16.07.2022			
							Date of Issue			:	18.07.2022			
Sampling Plan & Procedure : ENV/SOP/01 Deviation from the S				rom the Samp	ling M	lethod and Plan	:	No	Type of	:	Stack			
											Sample		Emission	
Sample ID No. : ENV/25/July/A/IV Report No.							:	ENV/25/July/T	R(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	r	: Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter			

<u>B. RESULTS</u>

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	:	50.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	9.23	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	4854.85	N.A.
5.	Concentration of Particulate	mg/Nm ³	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			

Reviewed By :

Indrani Blattacharyya

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By :

Dr. SUMIT CHOWDHURY Technical Manager





FORMAT NO : ENV/FM/38

Name of the Industry	:	Jai Balaji I	ndu	stries Ltd. (Unit a	# IV)		Туре	of Industry		:	Steel Plant		
Address	:	Banskopa	Ra	ibandh, Durgapu	r, Paschim B	urdwan, Pin	Samp	oling Date		:	12.07.2022		
	- 713212						Perio	od of analysis		:	16.07.2022	- 1	6.07.2022
							Date	of Issue		:	18.07.2022		
Sampling Plar	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	5/Ju	ly/A/V		Report No.	:	ENV/25/July/T	R(A))/V/2	2-23		

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.)	:	0.4	5
Capacity	:		Height of sampling port (mtr.) (from G.L.)	:	10.	6
Emission Due to	:	During Processing				
Fuel Used	:	N.A.	Permanent Platform & Ladder	r	:	Yes
Working Fuel Consumption	:	Nil			•	
Pollution Control Device	:	Bag Filter				

<u>B. RESULTS</u>

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	0C	IS : 11255 (Part 1)	:	63.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.17	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	5136.82	N.A.
5.	Concentration of Particulate	mg/Nm ³	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			

Reviewed By : Indrani Blattacharyya

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By :

Dr. SUMIT CHOWDHURY Technical Manager

ANNEXURE 2





FORMAT NO : ENV/FM/37

Banskopa, Rajbandh, Durg Bardhaman, Pin - 713212 Procedure : ENV/SOP/01 ENV/68/Sep./A/XVIII NFORMATION of Sampling	Period of analy Date of Issue Deviation from the Sampling Method and Report No. : ENV/68, : Near Main Administrative Bu	Plan : Sep./TR(A)/	: 16.09.2 : 19.09.2 No Type Samp	of : Ambient Air
Bardhaman, Pin - 713212 Procedure : ENV/SOP/01 : ENV/68/Sep./A/XVIII NFORMATION of Sampling	Period of analy Date of Issue Deviation from the Sampling Method and Report No. : ENV/68, : Near Main Administrative Bu	Plan : Sep./TR(A)/	: 19.09.2 No Type Samp	2022 of : Ambient Air ble
: ENV/68/Sep./A/XVIII INFORMATION of Sampling	Deviation from the Sampling Method and Report No. : ENV/68, : Near Main Administrative Bu	Sep./TR(A)/	: 19.09.2 No Type Samp	2022 of : Ambient Air ble
: ENV/68/Sep./A/XVIII INFORMATION of Sampling	Report No. : ENV/68,	Sep./TR(A)/	Samp	ole
NFORMATION of Sampling	: Near Main Administrative Bu	11		
NFORMATION of Sampling	: Near Main Administrative Bu	11	/XVIII/22-2	3
of Sampling		ilding		
		ilding		
(C) 1:				
of Sampling	: 24 hrs. (09:30 a.m. – 09:30 a	m.)		
LOGICAL INFORMATION				
Cemperature (°C)	: 28.0	9		
Relative Humidity (%)	: 84.0			
ric Pressure (mm of Hg)	: 752.0			
Ddour	: No Remarkable Smell			
Condition	: Cloudy			
)	dour	dour : No Remarkable Smell	dour : No Remarkable Smell	dour : No Remarkable Smell

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

Indrawi Blattacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail ٠ Overseas





FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji	Industries Ltd. (U	nit # IV)		Тур	e of Industry		:	Steel Plant
Address	:	Banskopa	, Rajbandh, Durga	pur, Paschi	m	Sam	pling Date		:	14.09.2022 - 15.09.2022
			an, Pin - 713212	I · · , · · · ·			od of analysis		:	16.09.2022 - 17.09.2022
							e of Issue		:	19.09.2022
Sampling Plan &	& Pr	ocedure	: ENV/SOP/01	Deviation	n from the Sam	pling N	Method and Plan	:	No	Type of : Ambient Air Sample
Sample ID No.	:	ENV/68/	Sep./A/XIX		Report No.	:	ENV/68/Sep./1	'R(A)	/XIX	^
		FORMATION						0		
		Sampling		:	Near Main Ga	ate (W	vestern Side)			
2. Duratio	n of	Sampling		:	24 hrs. (10:0	0 a.m.	– 10:00 a.m.)			
B] <u>METEOR</u>	OLO	GICAL INFO	RMATION	110						
	e Te	mperature	(°C)	:	28.0		Contract of the			
	п.	lative Hum	idity (%)	:	84.0					
2. Average	e Re	acre i ram								
			mm of Hg)	:	752.0					
	tric	Pressure (:	752.0 No Remarkal	ole Sm	nell			

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

Indrawi Blattacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail ٠ Overseas





FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji Indus	stries Ltd. (Un	it # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa, Rajb	oandh, Durga	our, Paschim	Sampling Date	:	14.09.2022 - 15.09.2022
		Bardhaman, Pi	. 0 .	,	Period of analysis	:	16.09.2022 - 17.09.2022
					Date of Issue	:	19.09.2022
Sampling Plan &	& Pr	ocedure : EN	NV/SOP/01	Deviation from the S	ampling Method and Plan :	No	Type of : Ambient Air Sample
Sample ID No.	:	ENV/68/Sep.//	A/XX	Report	No. : ENV/68/Sep./TR(A)/XX	
A] <u>GENERAI</u>	INF	ORMATION					/
1. Location	ı of	Sampling	-	: Near Raw	Materials Yard (Southern S	ide)	
2. Duration	n of	Sampling		: 24 hrs. (1	0:30 a.m. – 10:30 a.m.)		
B] <u>METEOR</u>	OLO	GICAL INFORMAT	TION	1000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Те	mperature (°C)		: 28.0	in the second state		
2. Average	Re	ative Humidity	(%)	: 84.0			
3. Barome	tric	Pressure (mm o	of Hg)	: 752.0			
		our		: No Remai	kable Smell		
4. Smell or	0d	oui					

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.91	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	91.26	100.0
3.	$Concentration \ of \ SO_2$	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	12.46	80.0
		1	2007: Sec. 11 (Vol. 11.07) : 2011		
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	29.96	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 :

Indrawi Blattacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail ٠ Overseas





FORMAT NO : ENV/FM/37

Nam Indu	e of the stry	:	Jai Balaj	i In	dustries Ltd. (Ur	nit # IV)			Тур	e of Industry	:	Steel Plant
Addr	ress	:	Banskop	oa, F	Rajbandh, Durga	pur, Pas	schi	m	Sam	pling Date	:	15.09.2022 - 16.09.2022
					, Pin - 713212					od of analysis	:	16.09.2022 - 17.09.2022
									Date	e of Issue	:	19.09.2022
Sam	pling Plan 8	& Pr	ocedure		ENV/SOP/01	Devia	tior	n from the Sam	oling I	Method and Plan :	No	Type of : Ambient Air Sample
Sam	ple ID No.	:	ENV/68	/Se	p./A/XXI			Report No.	:	ENV/68/Sep./TR(A)	/XX	· · · ·
A]	<u>GENERAL</u>	INF	ORMATIO		• • •			·			6	
1.	Location	n of	Sampling				:	Near Adminis	strativ	ve Building (Ferro Div	7.) (l	Eastern Side)
2.	Duratior	1 of	Sampling	g			:	24 hrs. (10:0) a.m.	– 10:00 a.m.)		
B]	METEOR	OLO	GICAL INF	ORN	<u>IATION</u>		1					
1.	Average	Ter	nperatur	e (º	C)		:	29.0	-	1000 C		
2.	Average	Rel	ative Hur	nid	ity (%)		:	80.0				
3.	Baromet	tric	Pressure	(m	m of Hg)		:	751.0				
4.	Smell or	0d	our				:	No Remarkab	le Sn	nell		
5.	Weather	Co	ndition				:	Cloudy				
C]	RESULTS					3	7		1			

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

Reviewed By :

Indraui Blattacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail ٠ Overseas





FORMAT NO : ENV/FM/37

Name of the Industry	:	Jai Balaji	Industries Ltd. (U	nit # IV)	Type of Industry	:	Steel Plant
Address	:	Banskopa	a, Rajbandh, Durga	pur. Paschim	Sampling Date	1:	15.09.2022 - 16.09.2022
			an, Pin - 713212	F · , · · · ·	Period of analysis	:	16.09.2022 - 17.09.2022
					Date of Issue		19.09.2022
Sampling Plan &	l Pr	ocedure	: ENV/SOP/01	Deviation from the Sa	mpling Method and Plan :	No	Type of : Ambient Air
						19	Sample
Sample ID No.	:	ENV/68/	Sep./A/XXII	Report N	o. : ENV/68/Sep./TR(A)/XX	II/22-23
A] <u>GENERAL</u>	INF	ORMATION	<u>1</u>				
1. Location	of	Sampling		: Near Powe	r Plant Control Room (North	ern	Side)
2. Duration	ı of	Sampling		: 24 hrs. (10	30 a.m. – 10:30 a.m.)		
B] <u>METEORC</u>	DLO	GICAL INFO	RMATION	1000	1 C C C C C C C C C C C C C C C C C C C		
	Ter	nperature	(°C)	: 29.0	and the second second		
2. Average	Rel	ative Hum	nidity (%)	: 80.0			
3. Baromet	ric	Pressure ((mm of Hg)	: 751.0			
4. Smell or	0d	our		: No Remark	able Smell		
5. Weather	· Co	ndition		: Cloudy			

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

Indrawi Blattacharyya

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail ٠ Overseas

ANNEXURE 3





FORMAT NO : ENV/FM/57

	Name of the : Jai Balaji Industries Ltd. (Industry					nit # IV) Type of Industry		Type of Industry		:	Steel Plant		
Addr	2	:	Bansko	na. I	Rajbandh, Durga	pur. Pasch	im	Sampling Date			14.09.2022		
	000				, Pin - 713212	Period of analysis				:	16.09.2022 - 17.09.2022		
					, -			Date of Issue			19.09.2022		
Sam	pling Plan 8	k Pr	ocedure	:	ENV/SOP/01	Deviatio	n from the Sam	pling Method and Plan	: 1	No	Type of:Work ZoneSampleAir		
Sam	ple ID No.	:	ENV/68	3/Se	p./A/XXIII		Report No.	: ENV/68/Sep./T	'R(A)/	/XX	III/22-23		
A]	<u>GENERAL</u>	INF	ORMATIC) <u>N</u>	• • •		·			8			
1.	Location	ı of	Sampling	5		:	Near Furnac	e Area (From 20 mtr.) ((Ferro	o Di	iv.)		
2.	Duration	ı of	Sampling	g			08 hrs. (11:0	0 a.m. – 07:00 p.m.)					
B]	METEOR	OLO	GICAL INF	ORM	<u>IATION</u>								
1.	Average	Tei	nperatur	'е (⁰	C)	:	35.0	A 1					
2.	Average	Rel	ative Hu	mid	ity (%)		72.0						
3.	Baromet	tric	Pressure	(m	m of Hg)	:	752.0						
4.	Smell or	Od	our				No Remarka	ble Smell					
C]	<u>RESULT</u>												

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT						
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	410.54	5000.0						
Rema	Remarks : Limit as per the Factory Act – 1948.										

Reviewed By :

Indraui Blattacharypa

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:







Name Indus	e of the stry	Jai Balaji	Indu	ıstries Ltd. (Ur	nit # IV) Type of Industry			:	Steel Plant				
Addr	ess	:	Banskopa	a, Ra	jbandh, Durga	apur, Paschim Sampling Date		pling Date		:	14.09.2022		
			Bardham	ian, I	Pin - 713212				Peri	od of analysis		:	16.09.2022 - 17.09.2022
				- 5					Date	e of Issue		:	19.09.2022
Samp	pling Plan &	2 Pro	ocedure	: I	ENV/SOP/01	Devia	tior	n from the Sam	oling l	Method and Plan	:	No	Type of:Work ZoneSampleAir
Samp	ple ID <mark>No.</mark>	:	ENV/68/	/Sep.	/A/XXIII			Report No.	:	ENV/68/Sep./T	'R(A)	/XX	III/22-23
A]	<u>GENERAL</u>	INF	ORMATION	<u>v</u>									
1.	Location	of	Sampling		and the second		:	Near Furnace	Area	(From 20 mtr.)	(Ferr	o Di	v.)
2.	Dur <mark>atio</mark> n	ı of	Sampling				:	08 hrs. (11:0	0 a.m.	. – 07:00 p.m.)			
B]	METEORO)LO	GICAL INFO	RMA	TION					A BUS			
1.	Average	Ter	nperature	e (°C))	1		35.0	(Inde	1 mart			1
2.	Average	Rel	ative Hum	nidit	y (%)		:	72.0					
3.	Baromet	ric	Pressure ((mm	of Hg)		:	752.0					
4.	Smell or	Od	our				:	No Remarkal	ole Sn	nell			
C]	RESULTS		e.				100			Event Ser			

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrawi Blattacharyyo

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :





FORMAT NO : ENV/FM/57

SL. NO.	PA	ARA	METER		UNIT			METHOD	NO.			RE	SULT		LIMIT
C]	<u>RESULT</u>			1	-				-						
4.	Smell or	Od	our		1992		I	No Remarkab	le Sn	nell					
3.	Baromet	tric	Pressure	m (m	m of Hg)	:	7	752.0							
2.	Average	Re	lative Hu	mid	ity (%)	:	8	30.0							
1.	Average	Te	mperatur	.е (0	C)	:	1	31.0	-	10000					
B]	METEOR	010	GICAL INF	ORN	<u>IATION</u>										
2.	Duration	n of	Sampling	g	600		(08 hrs. (11:30) a.m	. – 07:30 p.m.)					
1.	Location	ı of	Sampling	5		:	-	15 mtr. Distar	nce fi	om WHRB & E.S.P					
A]	<u>GENERAL</u>	. INF	FORMATIC	<u>) N</u>							1				
Samp	ole ID No.	:	ENV/68	3/Se	p./A/XXIV			Report No.	:	ENV/68/Sep./TR	(A)/	XXI	IV/22-23		
Samp	oling Plan &	& Pr	ocedure	:	ENV/SOP/01	Deviatio	on f	from the Samp	ling	Method and Plan	: N	10	Type of Sample	:	Work Zone Air
						1				e of Issue		:	19.09.202	2	-
muui	633				, Pin - 713212	pui, i usei		1		iod of analysis		:	16.09.2022 - 17.09.2022		
Indus Addr			Bansko	na F	Rajbandh, Durga	apur, Paschim Sampling Date			Inling Date		:	14.09.202	2		
	e of the	:	Jai Bala	ji In	dustries Ltd. (Ur	nit # IV)			Тур	e of Industry		:	Steel Plant		

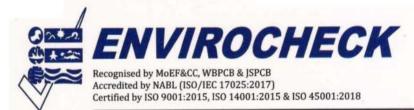
SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT						
1.	Concentration of SPM	µg/m³	NIOSH 0500 : 1994	361.16	5000.0						
Rema	Remarks : Limit as per the Factory Act – 1948.										

Reviewed By :

Indrawi Blattacharyya

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:







FORMAT NO : ENV/FM/57

: AL IN On of	Bardhama rocedure : ENV/68/S FORMATION	, Rajbandh, Durga an, Pin - 713212 ENV/SOP/01 Sep./A/XXIV	Deviation :	from the Samp	Sampling Date Period of analysis Date of Issue pling Method and Pla : ENV/68/Sep	./TR(A)	: : No /XXI	19.09.202 Type of Sample	2 – 17.09.20 2	
: AL IN On of	Bardhama rocedure : ENV/68/S FORMATION	an, Pin - 713212 ENV/SOP/01 Sep./A/XXIV	Deviation :	from the Samp	Period of analysis Date of Issue pling Method and Pla : ENV/68/Sep	./TR(A)	No	19.09.202 Type of Sample	2 : Work	
: AL IN On of	ENV/68/S FORMATION F Sampling	Sep./A/XXIV	:	Report No.	pling Method and Pla	./TR(A)	No	Type of Sample	: Work	Zone
: AL IN On of	ENV/68/S FORMATION F Sampling	Sep./A/XXIV	:	Report No.	: ENV/68/Sep	./TR(A)	ŝ.	Sample	_	Zone
AL IN On of	IFORMATION f Sampling	* * *				11	/XXI	W/22-23		
on o	f Sampling			15 mtr. Dista	nce from WHRB & F	S.P				
				15 mtr. Dista	nce from WHRB & E	S.P				
	6 C									
on o	f Sampling			08 hrs. (11:30	0 a.m. – <mark>07:30</mark> p.m.)					
ROLO	OGICAL INFOR	RMATION	B East							
ge Te	emperature	(°C)	:	31.0	all and the second	(ma)se				
ge Re	elative Humi	idity (%)		80.0		1				
etri	c Pressure (r	mm of Hg)	:	752.0						
or O	dour			No Remarkab	ole Smell					
	etri		ge Relative Humidity (%) etric Pressure (mm of Hg) or Odour	etric Pressure (mm of Hg) :	etric Pressure (mm of Hg) : 752.0	etric Pressure (mm of Hg) : 752.0	etric Pressure (mm of Hg) : 752.0	etric Pressure (mm of Hg) : 752.0	etric Pressure (mm of Hg) : 752.0	etric Pressure (mm of Hg) : 752.0

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

Remarks N.A. means Not Available. ~<u>+</u>-

Reviewed By :

Indrawi Blattacharyyo

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :





FORMAT NO : ENV/FM/57

Name of Industry	Tame of the : Jai Balaji Industries Ltd. Industry					nit # IV)			Тур	e of Industry		:	Steel Plant		
Address		:	Bansko	pa, I	Rajbandh, Durga	gapur, Paschim Sampling Date			pling Date		:	14.09.2022			
					, Pin - 713212	1 /				od of analysis		:	16.09.2022	- 1	7.09.2022
										e of Issue		:	19.09.2022		
Samplin	ng Plan 8	k Pr	ocedure	:	ENV/SOP/01	Devia	tior	from the Sam	oling l	Method and Plan	: N	lo	Type of Sample	:	Work Zone Air
Sample	ID No.	:	ENV/68	3/Se	p./A/XXV			Report No.	:	ENV/68/Sep./TR	(A)/	XX			
		INF	ORMATIC							. , , , ,			/		
1. L	Location	l of	Sampling	5			:	05 mtr. Dista	nce fr	om Control Room	(Cok	xe (Oven Divisio	n)	
2. E	Duratior	۱ of	Sampling	g			:	08 hrs. (12:0	0 p.m	. – 08:00 p.m.)					
B] <u>N</u>	METEOR	OLO	GICAL INF	ORM	1ATION										
1. A	Average	Ter	nperatur	•е (0	С)		:	34.0	-	and the second second					
2. A	Average	Rel	ative Hu	mid	ity (%)		:	78.0							
3. E	Baromet	tric	Pressure	m) (m	m of Hg)		:	752.0							
4. S	Smell or	Od	our				:	No Remarka	ole Sn	nell					
C] <u>R</u>	<u>ESULT</u>			1				file:		See Sec					
SL.	PA	RA	METER		UNIT		1	METH	DD NO).		J	RESULT		LIMIT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT						
1.	Concentration of SPM	µg/m³	NIOSH 0500 : 1994	320.52	5000.0						
Rema	Remarks : Limit as per the Factory Act – 1948.										

Reviewed By :

Indraui Blattacharypa

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager

:





FORMAT NO : ENV/FM/57

Name Indus	e of the stry	:	Jai Balaji In	dustries Ltd. (Ur	nit # IV)		Type of Industry		Steel Plant
Addr	9	:	Banskopa.	Rajbandh, Durga	pur. Paschi	m	Sampling Date	1	14.09.2022
				n, Pin - 713212	F ,		Period of analysis		16.09.2022 - 17.09.2022
							Date of Issue	:	19.09.2022
Samp	oling Plan &	2 Pro	cedure :	ENV/SOP/01	Deviation	n from the Sam	pling Method and Plan :	No	Type of:Work ZoneSampleAir
Samp	ole ID No.	•••	ENV/68/Se	ep./A/XXV		Report No.	: ENV/68/Sep./TR(A)/XX	V/22-23
A]	<u>GENERAL</u>	INF	ORMATION			A.	11		
1.	Location	of	Sampling		:	05 mtr. Dista	nce from Control Room (C	oke (Oven Division)
2.	Duration	ı of	Sampling			08 hrs. (12:0	0 p.m. – 08:00 p.m.)		
B]	METEORO)LO	GICAL INFOR	MATION		Part and	5152 3 54	E	
1.	Average	Ter	nperature (^e	(O ⁽	-	34.0	1. The second second		
2.	Average	Rel	ative Humic	lity (%)	1	78.0			
3.	Baromet	ric	Pressure (m	m of Hg)	. C. 3	752.0			
4.	Smell or	Od	our		. Sandar	No Remarkat	ole Smell		
C1	RESULTS	÷	-			A Been	Sugar Barris		

C]	<u>ILJUHIJ</u>				
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		15pg and			
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	162.61	N.A.
2.	$Concentration \ of \ SO_2$	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 ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	32.59	N.A.
	. A.G	- Thenese	reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By :

Indrawi Blattacharype

¹ INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :





FORMAT NO : ENV/FM/57

Name Indus	e of the stry	:	Jai Balaji I	ndustries Ltd. (Ur	nit # IV)		Type of Industry		:	Steel Plant
Addr		:	Banskopa,	Rajbandh, Durga	apur. Paschim		Sampling Date		:	15.09.2022
				n, Pin - 713212	F ,		Period of analysis		:	16.09.2022 - 17.09.2022
				,			Date of Issue			19.09.2022
Samp	oling Plan &	k Pr	ocedure :	ENV/SOP/01	Deviation	from the Sam	pling Method and Pla	1 :	No	Type of Sample:Work Zone Air
Samp	ole ID No.	:	ENV/68/S	ep./A/XXVI		Report No.	: ENV/68/Sep.	/TR(A)	/XX	VI/22-23
A]	<u>GENERAL</u>	INF	ORMATION							
1.	Location	ı of	Sampling		:	Near Furnace	e Area (SMS)	2.5		
2.	Duration	ı of	Sampling		:	08 hrs. (10:0	0 a.m. – 06:00 p.m.)			
B]	<u>METEOR(</u>	OLO	GICAL INFOR	MATION	100					
1.	Average	Те	mperature ([⁰ C]	: :	34.0	A 1	1. A.		
2.	Average	Rel	ative Humi	dity (%)		68.0				
3.	Baromet	tric	Pressure (n	nm of Hg)	:	751.0				
4.	Smell or	Od	our		:	No Remarkał	ole Smell			
C]	<u>RESULT</u>		VEMED	111110				*		

1. Concentration of SPM μg/m³ NIOSH 0500 : 1994		
	261.43	5000.0

Reviewed By :

Indrawi Blattacharyya

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager







FORMAT NO : ENV/FM/57

Name Indus	e of the stry	:	Jai Balaji	Industries Ltd. (Ur	nit # IV)		Туре	e of Industry	:	: Steel Plant
Addr	ess	:	Banskopa	a, Rajbandh, Durga	apur, Paschim			pling Date		: 15.09.2022
			Bardham	an, Pin - 713212			Perio	od of analysis		: 16.09.2022 - 17.09.2022
								of Issue		: 19.09.2022
Samp	oling Plan &	2 Pro	ocedure	: ENV/SOP/01	Deviation	n from the Sam	oling M	lethod and Plan	: N	o Type of : Work Zone Sample Air
Samp	ole ID No.	:	ENV/68/	Sep./A/XXVI		Report No.	:	ENV/68/Sep./TR	(A)/X	XXVI/22-23
A]	<u>GENERAL</u>	INF	ORMATION	at the state	and the	*. • • • • • • • • • •	1	and a start of	-	
1.	Location	of	Sampling		:	Near Furnace	Area	(SMS)		
2.	Duration	ı of	Sampling			08 hrs. (10:0) a.m.	– 06:00 p.m.)		
B]	METEORO)LO(GICAL INFO	RMATION		- Aller	1	1 State	÷.,	
1.	Average	Ter	nperature	(⁰ C)	:	34.0				
2.	Average	Rel	ative Hum	idity (%)		68.0				
3.	Baromet	ric	Pressure (mm of Hg)	:	751.0				
4.	Smell or	0d	our		:	No Remarkat	le Sm	ell		
<u>(1</u>	RESULTS			1000 C	C. million	N. Maria				1 B

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		Plant, AU			
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	146.73	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	12.05	N.A.
		11213	reapproved 2007: Sec. 11 (Vol. 11.07) : 2011		
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	<mark>36.</mark> 19	N.A.
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

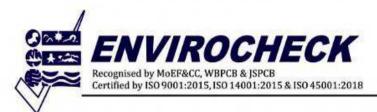
Remarks : N.A. means Not Available.

Reviewed By :

Indrawi Blattacharypa

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:





FORMAT NO : ENV/FM/57

Nam Indu	e of the stry	:	Jai Balaj	ji Inc	lustries Ltd. (U	nit # IV)			Тур	e of Industry	:	Steel Plant
Addr	ess	:	Bansko	pa, F	ajbandh, Durga	pur, Pas	schir	n	Sam	pling Date	:	15.09.2022
					, Pin - 713212	1				od of analysis	:	16.09.2022 - 17.09.2022
									Date	e of Issue	:	19.09.2022
Samı	pling Plan &	ι Pr	ocedure	:	ENV/SOP/01	Devia	tion	from the Samp	ling l	Method and Plan :	No	Type of:Work ZoneSampleAir
Samp	ple ID No.	:	ENV/68	B/Se	p./A/XXVII			Report No.	:	ENV/68/Sep./TR(A	A)/XX	VII/22-23
A]	<u>GENERAL</u>	INF	ORMATIC	N						1	2	
1.	Location	of	Sampling	5			:	Near Finished	Goo	ds Stock Yard (Rolli	ng M	ill)
2.	Duratior	ı of	Sampling	3			:	08 hrs. (09:40) a.m.	– 05:40 p.m.)		
B]	METEOR)LO	GICAL INF	ORM	IATION							
1.	Average	Те	nperatur	e (0	C)		:	31.5	=			
2.	Average	Rel	ative Hu	midi	ty (%)		:	67.0				
3.	Baromet	ric	Pressure	(m	m of Hg)		:	756.0				
4.	Smell or	Od	our				:	No Remarkab	le Sn	iell		
C]	<u>RESULT</u>			1					-	Collectory (
SL.	PA	RA	METER		UNIT	36	1	METHOD	NO.		RE	SULT LIMIT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	μg/m ³	NIOSH 0500 : 1994	242.80	5000.0
Remar	rks : Limit as per the Factory	Act – 1948.			•

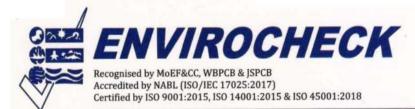
Reviewed By:

Indrani Blattacharyja

¹ INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager







TEST REPORT

FORMAT NO : ENV/FM/57

Name Indus	e of the try	:	Jai Bala	ji Inc	dustries Ltd. (Ui	nit # IV)		la M	Туре	e of Industry	:	Steel Plant
Addre	ess	:	Bansko	pa, F	Rajbandh, Durga	pur, Pasch	im	1	Sam	pling Date	: :	15.09.2022
				•	, Pin - 713212	1 /				od of analysis	:	16.09.2022 - 17.09.2022
										of Issue	:	19.09.2022
Samp	ling Plan 8	k Pr	ocedure	:	ENV/SOP/01	Deviatio	n f	from the Samp	ling M	Iethod and Plan :	No	Type of:Work ZoneSampleAir
Samp	le ID No.	:	ENV/68	3/Se	p./A/XXVII			Report No.	:	ENV/68/Sep./TR(A)/XX	VII/22-23
A]	<u>GENERAL</u>	. INF	ORMATIC	<u>DN</u>						17		
1.	Location	n of	Sampling	5		:	I	Near Finished	Good	ds Stock Yard (Rolli	ng Mi	ll)
2.	Duration	n of	Sampling	g			(08 hrs. (09:40	a.m.	– 05:40 p.m.)		
B]	METEOR	OLO	GICAL INF	ORM	IATION					1. 1 1		
1.	Average	Ter	nperatur	•e (0	C)			31.5	1	and the second second		1
2.	Average	Rel	ative Hu	midi	ity (%)		(67.0		C SHULL PERSON		
3.	Baromet	tric	Pressure	e (mi	m of Hg)	:	2	7 <mark>56</mark> .0				
4.	Smell or	Od	our				1	No Remarkab	le Sm	ell		

- 1		
SL.	PARAMETERS	UNIT
NO.		The local division of the
1.	Concentration of RPM	ug/m ³

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		-	18 The second		
1.	Concentration of RPM	µg/m ³	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.
		STR. P	reapproved 2007: Sec. 11 (Vol. 11.07) : 2011		
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	32.50	N.A.
	. AC	- Inner	reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks N.A. means Not Available. ÷.

Reviewed By :

Indrawi Blattacharyyo

INDRANI BHATTACHARYA ۰. Dy. Technical Manager, Chemical

Approved By :





FORMAT NO : ENV/FM/57

Nam Indu	e of the stry	:	Jai Bala	ji In	dustries Ltd. (Ur	it # IV)			Тур	e of Industry		:	Steel Plant
Addı	5	:	Bansko	pa, l	Rajbandh, Durga	pur, Pas	chii	n	Sam	pling Date		:	15.09.2022
					, Pin - 713212	. ,				iod of analysis		:	16.09.2022 - 17.09.2022
										e of Issue			19.09.2022
Sam	pling Plan &	k Pr	ocedure	:	ENV/SOP/01	Deviat	ion	from the Sam	oling l	Method and Plan	: 1	No	Type of:Work ZoneSampleAir
Sam	ple ID No.	:	ENV/68	3/Se	p./A/XXVIII			Report No.	:	ENV/68/Sep./TI	R(A)/	'XX'	*
A]		INF	ORMATIC							<u> </u>		8	
1.	Location	ı of	Sampling	5			:	Inside the DR	I Sect	tion			
2.	Duration	۱of	Sampling	g			:	08 hrs. (10:1	5 a.m.	. – 06:15 p.m.)	5-7	1	
B]	METEOR	OLO	GICAL INF	ORN	<u>IATION</u>		1						
1.	Average	Те	mperatur	•е (0	C)		:	31.5	-	10000			
2.	Average	Rel	ative Hu	mid	ity (%)		:	66.5					
3.	Barome	tric	Pressure	m (m	m of Hg)		:	756.0					
4.	Smell or	0d	our				:	No Remarkat	ole Sn	nell			
C]	<u>RESULT</u>				1.00			file and		100			
SI	DA	DA	METER		UNIT			METHOD	NO		Т	DEC	

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

Reviewed By:

Indrawi Blattacharypa

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager







Nam Indu	e of the stry	:	Jai Balaji I	ndustries Ltd. (Ur	nit # IV)	Type of Industry	:	Steel Plant
Addr	ess	:	Banskopa	, Rajbandh, Durga	pur. Paschim	Sampling Date		15.09.2022
				an, Pin - 713212	F.,	Period of analysis		16.09.2022 - 17.09.2022
						Date of Issue	:	19.09.2022
Samp	pling Plan 8	Pro	ocedure :	ENV/SOP/01	Deviation from the San	npling Method and Plan :	No	Type of Sample:Work Zone Air
Samp	ple ID No.		ENV/68/9	Sep./A/XXVIII	Report No	. : ENV/68/Sep./TR(A)	/XX	VIII/22-23
A]	<u>GENERAL</u>	INF	<u>ORMATION</u>			11		
1.	Lo <mark>cation</mark>	of	Sampling		: Inside the D	RI Section		
2.	Duration	of	Sampling		: 08 hrs. (10:1	15 a.m. – 06:15 p.m.)		
B]	METEORO)LO	GICAL INFOI	RMATION	Long	ALL A LE		
1.	Average	Ter	nperature	(°C)	: 31.5			
2.	Average	Rel	ative Humi	idity (%)	: 66.5			
3.	Baromet	ric	Pressure (1	mm of Hg)	: 756.0			
4.	Smell or	Od	our		: No Remarka	ble Smell		
C1	RESULTS	E				There are a set of the		

C <u>RESULTS</u>	C]	RESULTS
------------------	----	----------------

C]	<u>ILDODID</u>				
SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.		The second	Provide the second second second second		
1.	Concentration of RPM	µg/m ³	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 ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	34.50	N.A.
		- Internet	reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Re<mark>marks</mark> N.A. means Not Available. :

Reviewed By :

Indrawi Blattacharyyo

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By :

ANNEXURE 4





TEST REPORT

Name of the Industry	:	Jai Balaji Indu	stries Ltd. (U	nit	# IV)			Туре	of Industry	:	Steel Plant						
Address	:	Banskopa, Raj	bandh, Durga	ipu	r, Paschii	n		Samp	oling Date	:	14.09.2022						
		Burdwan, Pin	- 713212				Ī	Period of Analysis		Period of Analysis		Period of Analysis		Period of Analysis		:	16.09.2022 - 19.09.2022
							Ī	Date of Issue		:	21.09.2022						
Sampling Plan &	:	ENV/SOP/01	Deviation	Deviation from the		:	I	٥V	Type of	:	Industrial Effluent Water						
Procedure			Sampling	Me	thod				Sample	5	(Grab)						
		100	and Plan			_				_							
Location :	E.T.	P Inlet S	ample ID	:	ENV/1	3/S	ep./	W/I	Report No.	:	ENV/18/Sep./TR(W)/I/22-						
		Γ	lo.								23						

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

Reviewed By :

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager

H.O. : Laboratory : E-mail : Branch Office : Overseas :





TEST REPORT

Name of the Industry	:	Jai Balaji Ind	ustr	ies Ltd. (Ui	nit i	# IV)	2		Туре	of Industry	:	Steel Plant
Address	:	Banskopa, Ra	ajba	ndh, Durga	pu	r, Paschi	m		Samp	oling Date	:	14.09.2022
		Burdwan, Pir	n - 7	13212					Peric	od 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	0	Type of	:	Industrial Effluent Water
Procedur <mark>e</mark>				Sampling	Met	thod				Sample		(Grab)
		A.S.		and Plan					1910		1	
Location : I	E.T.	P Inlet	Sam	nple ID	:	ENV/1	8/S	ep./\	N/I	Report No.	:	ENV/18/Sep./TR(W)/I/22-
			No.	23			35.				-	23

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

Reviewed By:

Indrawi Blattacharyja

¹ INDRANI BHATTACHARYA Dy. Technical Manager, Chemical Approved By:





TEST REPORT

Name of the Industry		:	Jai Balaji Ind	dust	ries Ltd. (Uı	nit i	# IV)			Туре	of Industry	:	Steel Plant
Address		:	Banskopa, R	Rajba	andh, Durga	pu	r, Paschi	n		Samp	oling Date	:	14.09.2022
			Burdwan, P	in - '	713212					Period of Analysis		:	16.09.2022 - 19.09.2022
										Date	of Issue	:	21.09.2022
Sampling Plan &		:	ENV/SOP/01		Deviation from the		:	ľ	٥V	Type of	:	Industrial Effluent Water	
Procedure					Sampling	Me	thod				Sample		(Grab)
			1		and Plan								
Location :	:	E.T.I	P Outlet	Sai	mple ID	:	ENV/1	3/Se	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 rd Edition, 2017	_	6.84	5.5 – 9.0
2.	Total Suspended Solids	APHA 23 rd Ed., 2540 D : 2017	mg/l	20.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	5.1	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	147.0	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0	30.0
6.	Cyanide	APHA 23 rd Ed., D/E/F : 2017	mg/l	<0.01	0.2
7.	Phenolic Compound	APHA 23 rd Ed., 5530 – Phenols D : 2017	mg/l	<0.001	1.0

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

Reviewed By :

Indrawi Blattacharypa

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

Dr. AJOY PAUL Quality Manager

H.O. Laboratory E-mail : Overseas





TEST REPORT

Name of the Industry	:	Jai Balaji Indu	stries Ltd. (U	nit i	# IV)	2	Ty	pe of	Industry	:	Steel Plant
Address	:	Banskopa, Raj	bandh, Durga	pu	r, Paschi	m	Sai	nplin	ig Date	:	14.09.2022
		Burdwan, Pin	- 713212				Per	riod c	of Analysis	:	16.09.2022 - 19.09.2022
							Da	te of i	Issue	:	21.09.2022
Sampling Plan &	:	ENV/SOP/01	Deviation	fro	m the	:	No	Ту	/pe of	:	Industrial Effluent Water
Procedure			Sampling	Me	thod			Sa	mple		(Grab)
		All All	and Plan			2				1	
Location : I	E.T.	P Outlet S	ample ID	:	ENV/1	8/S	ep./W/	II F	Report No.	:	ENV/18/Sep./TR(W)/II/22
		1	lo.			-					-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 Blattacharypa

¹ INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Approved By:

ANNEXURE 5





TEST REPORT

Name of the : Jai Balaji Industries L Industry			Ltd. (Unit # IV)				:	Steel P	lant	Ţ
:	Banskopa, Rajbandh	, Durgapur, Pasch	im Burdwan,	Sam	npling D	ate	:	15.09.2	202	2
	Pin - 713212			Per	iod of A	nalysis	:	16.09.2	202	2 - 21.09.2022
				Date	e of Issı	ıe	:	23.09.2	202	2
	: ENV/SOP/01	Deviation from	the Sampling	:	No	Type o	f Sa	mple	•••	Drinking Water
		Method and Pla	n							-
Ta	ap of Ferro Division		ULR No.		: TC6	6014220	000	00315P		
-	T	Pin - 713212	Pin - 713212 : ENV/SOP/01 Deviation from Method and Pla	: ENV/SOP/01 Deviation from the Sampling Method and Plan	Pin - 713212 Permission : ENV/SOP/01 Deviation from the Sampling Method and Plan :	Pin - 713212 Period of A i ENV/SOP/01 Deviation from the Sampling : No i Method and Plan i No	Pin - 713212 Period of Analysis Date of Issue : ENV/SOP/01 Deviation from the Sampling Method and Plan	Pin - 713212 Period of Analysis : Date of Issue : : Sector 1 : No Type of Sa Method and Plan	Pin - 713212 Period of Analysis : 16.09.2 Date of Issue : 23.09.2 : ENV/SOP/01 Deviation from the Sampling Method and Plan : No Type of Sample	Pin - 713212 Period of Analysis : 16.09.202 Date of Issue : 23.09.202 : ENV/SOP/01 Deviation from the Sampling Method and Plan : No Type of Sample :

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 23rd 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:

Indrawi Blattacharyja

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

H.O. Laboratory E-mail : Overseas





TEST REPORT

Name of the		÷	Jai Balaji Industri	ies Ltd. (Unit # IV	Ту	vpe o	f Ind	ustry	:	Steel P	lant	t	
Industry	h												
Address : Banskopa, Rajbandh, Durgapur, Paschim					Sampling Date				:	15.09.2022			
			Burdwan, Pin - 7	13212	Pe	Period of Analysis			:	16.09.2022 - 21.09.2022			
							Date of Issue				23.09.2022		2
Sampling Plan & Procedure		:	ENV/SOP/01	Deviation from Method and Pla	1 0	:	N	0	Typ <mark>e</mark> o	Typ <mark>e</mark> of Sample		:	Drinking Water
Location :	Location : Tap of Ferro Division ULR No		ULR No.		:	TCE	014220	000	00315P				

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 1	0500 : 2012)
					Acceptable	Permissible
1.	Total Solids	APHA 23 rd Ed., 2540 B : 2017	mg/l	610.0	N.A.	N.A.
2.	Dissolved Oxygen	APHA 23 rd Ed., 4500 O-C : 2017	mg/l	7.8	N.A.	N.A.
3.	COD	APHA 23 rd Ed., 5220 B/C/D : 2017	mg/l	<5.0	N.A.	N.A.
4.	BOD [3 Day's at 27ºC]	APHA 23 rd Ed., 5210 B : 2017	mg/l	<2.0	N.A.	N.A.
5.	Chromite		mg/l	BDL	N.A.	N.A.
	Conductivity	APHA 23 rd Ed., 2510-B : 2017	µs/cm	915.2		

Remarks : a) The (*) marked limit are as per IS 10500:2012 Drinking Water Specification (Amendment No.1, June'2015) (Second Revision). b) N.A. means Not Available. c) BDL indicates Below Detection Limit.

c) DDL malcates below belee

Reviewed By :

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By :

Indrawi Blattacharyja

 INDRANI BHATTACHARYA Dy. Technical Manager, Chemical





<u>FORMAT NO. ENV/FM/55</u>

TEST REPORT

Name of the			:	Jai Balaji Industri	es Ltd. (Unit # IV	<i>'</i>)	Ту	vpe c	of Ind	ustry	:	Steel P	lant	t	
Industry											. 1				
Address			:	Banskopa, Rajbar	Banskopa, Rajbandh, Durgapur, Paschim				Sampling Date				15.09.2022		
				Burdwan, Pin - 7	13212	Period of Analysis				:	16.09.2022 - 17.09.2022				
								Date of Issue			:	23.09.2022			
Sampling Plan & : Procedure		:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	N	lo	Type of		of Sample		Drinking Water		
•					TCC	014220	000	00315P							
Location	:	16	ih (of refito Division	ULR No.			I Co	014220	000	00315P				

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

Remarks : a) CFU indicates Colony Forming Unit.

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

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

Alukhonjee yanka

PRIYANKA MUKHERJEE Technical Manager, Microbiology

ANNEXURE 6





TEST REPORT

	Name of the	Industry	:	Jai Balaji Industries Ltd. (10 × 1					
2.	Address		:		- Rajbandh, Du	rgapur, District – Burdwar					
		21		Pin - 713212							
	Type of Indu		:	Integrated Steel Plant							
		an & Procedure	:	ENV/SOP/02		1. 2. 1.					
		om the Sampling Method & Plan	:	No		A A CONTRACTOR					
	Type of Sam	ple	:	Noise							
7.	Sample ID		:	440/EC/M/N	1 A A A A A A A A A A A A A A A A A A A						
	Report ID		:	440/EC/M/TR(N)/1/22-2	3						
	Date of Stud		:	26/09/2022	minute and the						
10.	Reporting D	ate	:	30/09/2022							
11.	Method No.		:	IS 15575 (Part 2), 2022		the second s					
12.	Time of Dura	ation of Noise	:	20 Minutes							
13.	Height from	Ground Level	:	4 feet	127 18						
14.	Sample Mon	itoring by	:	Mr. Anup Singha	ALC: THE SHE						
		RESULT OF NOISE	E LEV	EL STUDY		Time : 8:00 – 8:20 A.M					
				DAY TIME							
1. Loca	ation : Raw M	Aaterial Yard (Coke Oven)			Sample Code : (E	ENV/NOISE/01/21-22)					
Sl. No.	. Unit	Minimum	N	laximum	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	North Side					
04.	dB(A)	64.2		72.7	70.26	South Side					
	<u> </u>		A	verage dB(A) Leq	71.36	State of the					

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

1. N	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)							
2. A	Address	C 1	:	Village - Banskopa, P.O - Rajbandh	, Durgapur, District - Burdwan						
		1		Pin - 713212	6.0						
3. 1	Гуре of Indu	stry	:	: Integrated Steel Plant							
4. S	Sampling Pla	n & Procedure	:	: ENV/SOP/02							
		om the Sampling Method & Plan	:	: No							
	Гуре of Sam	ple	:	Noise	1.1.1						
7. S	Sample ID		:	440/EC/M/N	· / . /						
8. F	Report ID		:	440/EC/M/TR(N)/2/22-23	States in the second se						
	Date of Study		:	26/09/2022	2 Martin Carlos						
10. F	Reporting Da	ate	:	30/09/2022							
	Method No.		:	IS 15575 (Part 2), 2022							
12. 1	lime of Dura	ation of Noise	:	20 Minutes							
13. H	leight from	Ground Level	:	4 feet	and the second s						
14. S	Sample Mon	itoring by	:	Mr. Anup Singha							
		RESULT OF NOISE	E LEV	EL STUDY	Time : 8:30 – 8:50 A.M						
				DAY TIME							
2. Locat	tion : Prima	ry Crusher (Coke Oven)		Sample Coo	de : (ENV/NOISE/02/21-22)						
Sl. No.	Unit	Minimum	N	faximum 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						
				verage dB(A) Leq 77.88							

Reviewed By: Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<

	 63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889 info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
	UAE = Qatar = Netherlands





TEST REPORT

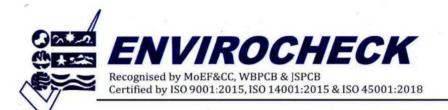
	Name of the	Industry	:	Jai Balaji Industries Ltd. (Uni		190 A				
2.	Address		:		Rajbandh, D	urgapur, District – Burdwai				
_				Pin - 713212		1 M M				
	Type of Indu		:	Integrated Steel Plant						
		an & Procedure	:	ENV/SOP/02		11 M				
		om the Sampling Method & Plan	:	No		and the second second				
	Type of Sam	ple	:	Noise		1 A				
	Sample ID		:	440/EC/M/N						
	Report ID		:	440/EC/M/TR(N)/3/22-23						
	Date of Study		:	26/09/2022		17 1 1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	Reporting Da	ate	:	30/09/2022	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
	Method No.		:	IS 15575 (Part 2), 2022						
		ation of Noise	:	20 Minutes		ALC: NOT				
		Ground Level	:	4 feet						
14.	Sample Mon		:	Mr. Anup Singha						
		RESULT OF NOISE	E LEV	ELSTUDY		Time : 9:00 – 9:20 A.M				
				DAY TIME						
3. Loca	ation : Secon	dary Crusher (Coke Oven)		Si	ample Code :	(ENV/NOISE/03/21-22)				
Sl. No.	. Unit	Minimum	M	laximum	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				
			Av	verage dB(A) Leq	77.95					

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

	Name of the l	industry	:	Jai Balaji Industries Ltd. (Unit # IV)							
2. A	Address		:	Village - Banskopa, P.O - Rajband	lh, Durgapur, District – Burdwan						
				Pin - 713212							
	Гуре of Indu		:	: Integrated Steel Plant							
		n & Procedure	:	ENV/SOP/02							
		m the Sampling Method & Plan	:	No							
	Гуре of Samp	ble	:	Noise	1 S S						
	Sample ID		:	440/EC/M/N							
	Report ID		:	440/EC/M/TR(N)/4/22-23	S. S						
9. I	Date of Study		:	26/09/2022							
	Reporting Da	ite	:	30/09/2022							
	Method No.		:	IS 15575 (Part 2), 2022							
		tion of Noise	:	20 Minutes							
		Ground Level	:	4 feet							
14. S	Sample Moni		:	······································							
		RESULT OF NOISE	ELEV	EL STUDY	Time : 9:30 – 9:50 A.M						
				DAY TIME							
4. Locat	tion : Warf (Coke Oven)		Sample Co	ode : (ENV/NOISE/04/21-22)						
Sl. No.	Unit	Minimum	I	Aaximum 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						
	<u> </u>		Α	verage dB(A) Leq 76.89							

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

	Name of the l	ndustry	:	Jai Balaji Industries Ltd. (District D. 1					
2 . <i>I</i>	Address		:	Village - Banskopa, P.O Pin - 713212	- kajbanan, Du	rgapur, District - Burdwan					
3. 1	Type of Indus	trv	:	Integrated Steel Plant							
		n & Procedure		ENV/SOP/02		19.					
		m the Sampling Method & Plan	:	No		6.6					
	Гуре of Samp		:	Noise							
7. 9	Sample ID		:	440/EC/M/N							
8. I	Report ID		:	440/EC/M/TR(N)/5/22-2	3						
	Date of Study		:	26/09/2022	and a state of the	25 G H					
	Reporting Da	te	:	30/09/2022							
	Method No.		:	IS 15575 (Part 2), 2022		GURNE .					
	Time of Dura		:	20 Minutes							
	Height from (:	4 feet							
14. 9	Sample Monit		:	Mr. Anup Singha							
		RESULT OF NOISE	LEV	EL STUDY		Time : 10:00 – 10:20 A.M					
				DAY TIME							
5. Loca	tion : Near B	attery - 1 (Coke Oven)			Sample Code : ()	ENV/NOISE/05/21-22)					
Sl. No.	Unit	Minimum	N	laximum	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					
	1 I		A	verage dB(A) Leq	76.22						

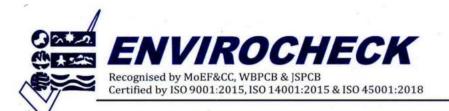
Reviewed By:

Dy Quality Manager

Approved By: **Quality Manager**

>End of Report<

H.O. Laboratory E-mail Branch Office		63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889 info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Branch Office	:	Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	:	UAE Qatar Netherlands





TEST REPORT

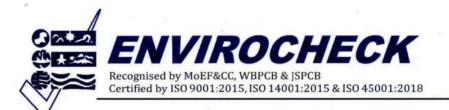
	Name of the Industry			Jai Balaji Industries Ltd. (Unit # IV)		
2. A	Address		:	Village - Banskopa, P.O - Rajband	lh, Durgapur, District – Burdwan	
	14			Pin - 713212		
3. Type of Industry			:	Integrated Steel Plant		
	Sampling Plan & Procedure		:	ENV/SOP/02		
5. – C	Deviation from the Sampling Method & Plan		:	No		
6.Type of Sample7.Sample ID			:	Noise	8.4	
			:	= 1 = 1 1		
8. Report ID			:			
	Date of Study			26/09/2022		
	Reporting Date		:	30/09/2022		
	Method No.		:			
	Time of Duration of Noise		:	20 Minutes		
	Height from Ground Level		:			
14. Sample Monitoring by RESULT OF NOISE LI				: Mr. Anup Singha		
				EL STUDY	Time : 10:30 – 10:50 A.M	
				DAY TIME		
6. Locat	tion : Near E	attery - 4 (Coke Oven)		Sample Co	ode : (ENV/NOISE/06/21-22)	
Sl. No.	Unit	Minimum	N	faximum 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	
			Α	verage dB(A) Leq 75.51		

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

	Name of the	Industry	:	Jai Balaji Industries I		
2.	Address	1	:	Village - Banskopa, Pin - 713212	P.O - Rajbandh, I	Durgapur, District – Burdwan
3. 7	Type of Indu	stry	:	Integrated Steel Plan	t	1 C
4	Sampling Pla	an & Procedure	:	ENV/SOP/02		1. S.
5.	Deviation fr	om the Sampling Method & Plan	:	No		
6. '	Type of Sam	ple	:	Noise		1.1
7. 9	Sample ID		:	440/EC/M/N	1. B	2. 8
8.	Report ID		:	440/EC/M/TR(N)/7/	22-23	
9.	Date of Study Reporting Date			26/09/2022	Construction of the owner of the	
10.				30/09/2022		1316.0
11.	Method No.		:	IS 15575 (Part 2), 20	22	
12.	Time of Duration of Noise Height from Ground Level			20 Minutes		
13.				4 feet	St. Andrew Cont	
14.	Sample Mon	itoring by	:	Mr. Anup Singha	Bastin to Altan	
		RESULT OF NOIS	E LEV	EL STUDY		Time : 11:00 – 11:20 A.M
				DAY TIME		
7. Loca	tion: Raw M	faterial Handling Yard (Ferro)			Sample Code :	(ENV/NOISE/07/20-21)
Sl. No.	Unit	Minimum	I	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
				verage dB(A) Leq	75.22	

Reviewed By: Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<

H.O. Laboratory E-mail Overseas





TEST REPORT

	Name of the l	ndustry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. <i>A</i>	Address	A	:	Village - Banskopa, P.O - Rajban	dh, Durgapur, District - Burdwan
				Pin - 713212	
	Гуре of Indu		:	Integrated Steel Plant	38 M
	Sampling Plan & Procedure			ENV/SOP/02	1. S. C. C.
	Deviation from the Sampling Method & Plan Type of Sample Sample ID Report ID			No	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				Noise	11
				440/EC/M/N	A MARKED AND A MARKED A
				440/EC/M/TR(N)/8/22-23	1. 2
9. I	Date of Study			26/09/2022	
	Reporting Date			30/09/2022	
	Method No.		:	IS 15575 (Part 2), 2022	
	3. Height from Ground Level		:	20 Minutes	
			:	4 feet	
14. 5	Sample Moni		:	Mr. Anup Singha	Martin Barn, Barn
		RESULT OF NOISE	LEV	EL STUDY	Time : 11:30 – 11:50 A.M
				DAY TIME	
8. Locat	tion : SEAF -	1 (Ferro)		Sample C	Code : (ENV/NOISE/08/21-22)
Sl. No.	Unit	Minimum	N	laximum Leq	Remarks
		dB(A)		dB(A) dB(A)	
01.	dB(A)	79.1		82.8 81.33	East Side
02.	dB(A)	80.2		82.6 81.56	West Side
03.	dB(A)	75.3		78.4 77.12	North Side
04.	dB(A)	76.7		80.2 78.79	South Side
	1		Δ	verage dB(A) Leq 79.70	

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

1. 2.	Name of the Address	, muusu y		ai Balaji Industries Ltd. (Unit # IV) Village - Banskopa, P.O - Rajba	, ndh, Durgapur, District - Burdwan
	01			Pin - 713212	, , , , , , , , , , , , , , , , , , , ,
3.	Type of Industry		: 1	ntegrated Steel Plant	· // .
4.		an & Procedure	: 1	ENV/SOP/02	1.8
5.	Deviation from the Sampling Method & Plan Type of Sample Sample ID Report ID			No	
6.				Noise	· / / · · · · ·
7.				40/EC/M/N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
8.				40/EC/M/TR(N)/9/22-23	A. Maria
9.	Date of Study			26/09/2022	
10.	Reporting I	Date		30/09/2022	
11.	Method No.			S 15575 (Part 2), 2022	6E18-1
12.	Time of Duration of Noise			20 Minutes	
13.	Height from Ground Level			feet	
14.	Sample Mor			Mr. Anup Singha	
		RESULT OF NOISE	LEVE	L STUDY	Time : 12:00 – 12:20 P.M
				DAY TIME	
9. Loca	tion : SEAF -	2 (Ferro)		Sample	Code : (ENV/NOISE/09/21-22)
Sl. No.	Unit	Minimum	Ма	ximum Leq	Remarks
		dB(A)	d	lB(A) dB(A)	
01.	dB(A)	80.2		84.6 82.93	East Side
02.	dB(A)	78.3		83.5 81.64	West Side
03.	dB(A)	75.2		78.1 76.89	North Side
04.	dB(A)	80.4		84.6 82.99	South Side
			Ave	rage dB(A) Leg 81.11	

Reviewed By:

Dy. Quality Manager

Approved By; **Quality Manager**

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E-mail	:	info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in
		Siliguri Haldia Durgapur Dhanbad Gangtok Port Blair Dehradun New Delhi UAE Qatar Netherlands





TEST REPORT

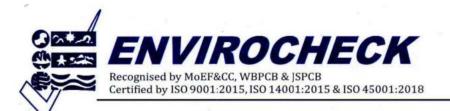
1.	Name of the	ndustry / Project	:	, , , , , , , , , , , , , , , , , , , ,			
2.	Address		:	: Village - Banskopa, P.O - Rajbandh, Durgapur, District – Burdwan Pin - 713212			
3.	Type of Indu	stry	:	Integrated Steel Plant		18	
4.	Sampling Pla	n & Procedure	:	ENV/SOP/02		1. 1	
5.	Deviation fro	m the Sampling Method & Plan	:	No		2	
6.	Type of Sam	ole	:	Noise	1. A. 18	10 C	
7.	Sample ID		:	440/EC/M/N		St	
8.	Report ID Date of Study			440/EC/M/TR(N)/10/22-23	1-		
9.				26/09/2022	120		
10.	Reporting Da	ite	:	30/09/2022			
11.	Method No.		:	IS 15575 (Part 2), 2022		14-14-19 C	
12.	Time of Duration of Noise		:	20 Minutes			
13.	. Height from Ground Level			4 feet	the set of the set		
14.	Sample Moni	toring by	:	Mr. Anup Singha	No. 1 Control No.		
		RESULT OF NOISE	E LEV	YEL STUDY		Time : 12:30 – 12:50 P.M	
				DAY TIME			
10. Lo	cation : SEAF	- 3 (Ferro)		Sa	mple Code : (E	NV/NOISE/10/21-22)	
Sl. No.	. Unit	Minimum	I	laximum	Leq	Remarks	
		dB(A)		dB(A) d	B(A)		
01.	dB(A)	72.8		81.6 7	9.13	East Side	
02.	dB(A)	76.2		80.5 7	8.86	West Side	
03.	dB(A)	78.7		82.5 8	1.00	North Side	
04.	dB(A)	76.3		81.4 7	9.56	South Side	
			A	verage dB(A) Leq 7	9.64		

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

E-mail Branch Office	: ::	63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889 info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	:	UAE = Qatar = Netherlands





TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2.	Address		:	Village - Banskopa, P.O - Rajband	h, Durgapur, District - Burdwan
	00			Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	- 31
		n & Procedure	:	ENV/SOP/02	4.8
		om the Sampling Method & Plan	:	No	
	Type of Sam	ple	:	Noise	
7.	Sample ID		:	440/EC/M/N	
8.	Report ID		:	440/EC/M/TR(N)/11/22-23	
9.	Date of Study			26/09/2022	AND A DE AND
	Reporting DateMethod No.Time of Duration of NoiseHeight from Ground Level		:	30/09/2022	
			:	IS 15575 (Part 2), 2022	Serve 1
			:	20 Minutes	
			:	4 feet	and a second sec
14.	Sample Moni		:	Mr. Anup Singha	
		RESULT OF NOISE	E LEV	EL STUDY	Time : 1:00 – 1:20 P.M
				DAY TIME	
11. Loo	cation : Pum	p House (Ferro)		Sample Co	ode : (ENV/NOISE/11/21-22)
Sl. No.	Unit	Minimum	N	laximum 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
	- 1		A	verage dB(A) Leq 78.52	and the second se

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<

H.O. Laboratory E-mail : Overseas





TEST REPORT

	Name of the l	ndustry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. <i>A</i>	Address		:	Village - Banskopa, P.O - Rajband	h, Durgapur, District – Burdwar
	- 00			Pin - 713212	
	Гуре of Indu		:	Integrated Steel Plant	
		n & Procedure	:	ENV/SOP/02	1 8 C
	Deviation from the Sampling Method & Plan Type of Sample			No	1. A. A. C.
				Noise	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Sample ID		:	440/EC/M/N	and the second second
	Report ID			440/EC/M/TR(N)/12/22-23	8.3.
	Date of Study			26/09/2022	a for a start of the
	Reporting Date			30/09/2022	
	Method No.		:	IS 15575 (Part 2), 2022	
	8. Height from Ground Level			20 Minutes	
				4 feet	
14. 5	Sample Moni		:	Mr. Anup Singha	
		RESULT OF NOISE	E LEV	EL STUDY	Time : 1:30 – 1:50 P.M
				DAY TIME	÷
12. Loc	ation : Rollin	ng Mill (Rolling Mill)		Sample Co	ode : (ENV/NOISE/12/21-22)
Sl. No.	Unit	Minimum	N	faximum 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
	1 1		A	verage dB(A) Leq 77.51	

Reviewed By:

Lanko Dy. Quality Manager

Approved By:, **Quality Manager**

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Branch Office	:	Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	:	UAE = Qatar = Netherlands





TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)		
2.	Address	8 e	:	Village - Banskopa, P.O - Rajband Pin - 713212	lh, Durgapur, District – Burdwar	
3.	Type of Indu	stry	:	Integrated Steel Plant	11	
4.	Sampling Pla	n & Procedure	:	ENV/SOP/02	· @ @ · · .	
5.	Deviation from	om the Sampling Method & Plan	:	No	1 S	
6.	Type of Sam	ple	:	Noise	1	
7.	Sample ID		:	440/EC/M/N	1. 1	
8.	Report ID			440/EC/M/TR(N)/13/22-23		
9.	Date of Study			26/09/2022	and the second se	
10.	Reporting Da	ate	:	30/09/2022		
11.	Method No.	and the second se	:	IS 15575 (Part 2), 2022	A AND	
12.	Time of Duration of Noise		:	20 Minutes	and the second sec	
13.	. Height from Ground Level			4 feet		
14.	Sample Mon	itoring by	:	Mr. Anup Singha		
		RESULT OF NOIS	E LEV	YEL STUDY	Time : 8:00 – 8:20 A.M	
				DAY TIME		
13. Lo	cation : Disp	atch Yard (Rolling Mill)		Sample Co	ode : (ENV/NOISE/13/21-22)	
Sl. No	. Unit	Minimum	I	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	
			Δ	verage dB(A) Leq 77.21		

Reviewed By:

Approved By: **Quality Manager**

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	, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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Overseas : UA	





TEST REPORT

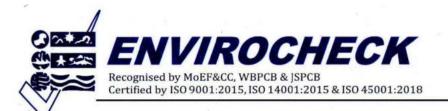
		RESULT OF NOISE	E LEV	EL STUDY	Time : 8:30 – 8:50 A.M	
		RESULT OF NOISE			Time : 8:30 – 8:50 A.M	
14. S	ample Mon				Time . 9.20 9.50 A M	
	Height from Ground Level Sample Monitoring by					
13. H				4 feet		
					AND ADDRESS OF A	
12. T	Method No. Time of Duration of Noise			20 Minutes	A	
11. M				IS 15575 (Part 2), 2022		
-						
10. R	Reporting Date			30/09/2022		
9. D						
9. D	Date of Study		:	26/09/2022		
). D	Report ID Date of Study			26/09/2022		
_						
				440/EC/M/TR(N)/14/22-23		
). D	Date of Study		:	26/09/2022		
			- I - I			
LO. R	Reporting Da	ate	:	30/09/2022		
-	<u> </u>	ate	:			
-	Method No.					
-				30/09/2022 IS 15575 (Part 2), 2022		
				IS 15575 (Part 2), 2022		
				IS 15575 (Part 2), 2022		
				IS 15575 (Part 2), 2022		
12. Т						
12. T			:	20 Minutes		
13 H				1. foot		
13. H				4 feet		
			:			
14 S	amnle Mon	itoring by		Mr Anun Singha		
14. Sa	ample Mon	itoring by	:	Mr. Anup Singha		
14. 5	ample Mon					
		RESULT OF NOISE	ELEV	EL STUDY	Time : 8:30 – 8:50 A.M	
		RESULT OF NOISE	LEV	EL STUDY	11me : 8:30 - 8:50 A.M	
				DAY TIME		
				DATIME		
14. Loca	ation : Indu	ction Furnace – 1 (SMS)		Sample	Code : (ENV/NOISE/14/21-22)	
14. LUCA	auon: muu	cuon rui nace - 1 (SMS)		Sample	Loue: (ENV/NOISE/14/21-22)	
				· • ·		
Sl. No.	Unit	Minimum	M	aximum Leq	Remarks	
51. NO.	Unit	Millingin	1.	Leq	Kellial K5	
		dB(A)		dB(A) dB(A)		
		ub(n)				
	1 - (
01.	dB(A)	76.4		80.2 78.70	East Side	
01.	ub(n)	7011		10.10	Lust blue	
	15(1)			01.7		
02.	dB(A)	78.7		81.5 80.32	West Side	
•-·	ub(ii)	7017		0110	il est side	
00	10(4)	=0.0				
03.	dB(A)	72.8		79.4 77.25	North Side	
		. =				
0.4		5 2 5		50.0 54.54		
04.	dB(A)	73.7		78.2 76.51	South Side	
-		-				
	•			verage dB(A) Leg 78.20		
				verage dB(A) Leq 78.20		

Reviewed By:

Larko Dy. Quality Manager

Approved By: 01 **Quality Manager**

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TEST REPORT

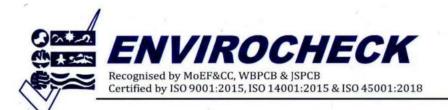
1. N	Name of the l	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. A	Address		:	Village - Banskopa, P.O - Rajban	dh, Durgapur, District - Burdwan
				Pin - 713212	100
	Гуре of Indu		:	Integrated Steel Plant	
		n & Procedure	:	ENV/SOP/02	191
5. I	Deviation fro	om the Sampling Method & Plan	:	No	and the second
	Гуре of Samj	ple	:	Noise	
	 Report ID Date of Study Reporting Date 			440/EC/M/N	e d
8. F				440/EC/M/TR(N)/15/22-23	
				26/09/2022	and the Barrier
				30/09/2022	1240/11 / 1044
			:	IS 15575 (Part 2), 2022	
12. 1			:	20 Minutes	
	4. Sample Monitoring by			4 feet	
14. S				Mr. Anup Singha	
		RESULT OF NOISE	LEV	EL STUDY	Time : 9:00 – 9:20 A.M
				DAY TIME	
15. Loca	ation : Indu	ction Furnace – 2 (SMS)		Sample (Code : (ENV/NOISE/15/21-22)
Sl. No.	Unit	Minimum	N	laximum 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
	<u> </u>		A	verage dB(A) Leq 78.84	

Reviewed By:

Lanka Dy. Quality Manager

Approved By: **Quality Manager**

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





TEST REPORT

1. ľ	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. <i>A</i>	Address	K	:	Village - Banskopa, P.O - Rajba	ndh, Durgapur, District - Burdwar
				Pin - 713212	
	Гуре of Indu		:	Integrated Steel Plant	3.2
		n & Procedure	:	ENV/SOP/02	11 11 11 11 11 11 11
	Deviation from the Sampling Method & Plan			No	
	Гуре of Samj	ple	:	Noise	- 6 8
	Sample ID Report ID Date of Study Reporting Date			440/EC/M/N	*
				440/EC/M/TR(N)/16/22-23	1 A
				26/09/2022	
				30/09/2022	
	. Time of Duration of Noise		:	IS 15575 (Part 2), 2022	
			:	20 Minutes	
	Height from Ground Level			4 feet	
14. 9	Sample Moni		:		
		RESULT OF NOISI	E LEV	EL STUDY	Time : 9:30 – 9:50 A.M
				DAY TIME	
16. Loc	ation : Indu	ction Furnace - 3 (SMS)		Sample	Code : (ENV/NOISE/16/21-22)
Sl. No.	Unit	Minimum	N	laximum 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.	dB(A)	80.6		84.8 83.19	South Side
			A	verage dB(A) Leg 80.72	

Reviewed By:

al Dy. Quality Manager

Approved By: Quality Manager

>End of Report<





TEST REPORT

	Name of the	Industry		Jai Balaji Industries Ltd. (Unit # IV)	
2.	Address				ndh, Durgapur, District – Burdwar
	1			Pin - 713212	
	Type of Indu			Integrated Steel Plant	
		an & Procedure		ENV/SOP/02	and the second
		om the Sampling Method & Plan		No	- 18 M
	Type of Sam	ple		Noise	6. 8
	Sample ID Report ID			440/EC/M/N	and the second
				440/EC/M/TR(N)/17/22-23	1
	Date of Study			26/09/2022	
	Reporting DateMethod No.Time of Duration of NoiseHeight from Ground Level			30/09/2022	
				IS 15575 (Part 2), 2022	
				20 Minutes	
				4 feet	ALC: NOT
14.	Sample Mon			Mr. Anup Singha	
		RESULT OF NOISE	E LEVE	CL STUDY	Time : 10:00 – 10:20 A.M
				DAY TIME	
17. Loc	cation : Indu	ction Furnace - 4 (SMS)		Sample	Code : (ENV/NOISE/17/21-22)
Sl. No.	Unit	Minimum	Ma	aximum 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
04.	dB(A)	80.5		86.3 84.30	South Side
			Av	erage dB(A) Leq 80.71	

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

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		Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi UAE = Qatar = Netherlands





TEST REPORT

	Name of the	Industry	:			
2.	Address		:		0 - Rajbandh, D	urgapur, District - Burdwan
				Pin - 713212		14
	Type of Indu		:	Integrated Steel Plant		7.8
		n & Procedure	:	1 1-		8.8
		om the Sampling Method & Plan	:			- 18 B
	Type of Sam	ple	:	Noise	4	1 B
	Sample ID		:	-7-77	· · · · · ·	
	Report ID		:	440/EC/M/TR(N)/18/2	2-23	4
	Date of Study			26/09/2022		
10.	. Reporting Date			30/09/2022		
	2. Time of Duration of Noise		:	IS 15575 (Part 2), 2022		
12.			:	20 Minutes		
13.			:	4 feet		
14.	Sample Monitoring by			Mr. Anup Singha	107 12 1 1 1 1 1	A Martine and A Ma
		RESULT OF NOISE	LEV	YEL STUDY		Time : 10:30 – 10:50 A.M
				DAY TIME		
18. Loo	cation : CCM	(SMS)			Sample Code : ((ENV/NOISE/18/21-22)
Sl. No.	Unit	Minimum	I	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	79.68	West Side
03.	dB(A)	76.7		80.2	78.79	North Side
04.	dB(A)	72.5		77.9	75.99	South Side
			Α	verage dB(A) Leg	77.52	

Reviewed By:

Dy.Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

				DAY TIME		
		RESULT OF NUISE				11110 - 11:20 A.M
1 Ti	Sumple Mon	RESULT OF NOISE	E LEV			Time : 11:00 – 11:20 A.M
					R. MILLION CO.	and the second
	Time of Duration of Noise Height from Ground Level				A DECEMBER OF THE OWNER OWNE	a final sta
			:			1400
	Method No.			IS 15575 (Part 2), 20	22	E LE C
				, ,	0.0	
	Reporting Date			30/09/2022		
9.	Date of Stud	y	:		And the second second second	
-	Sample ID Report ID				/22-23	
				440/EC/M/TR(N)/19	/22-23	
7.				440/EC/M/N		
5 .	Type of Sam	ple	:	Noise		8.6
		om the Sampling Method & Plan	:	No		1 8 C
		an & Procedure	:	ENV/SOP/02		11.5
	Type of Indu		:	Integrated Steel Plant		
3.	Type of Indu	ot wy	<u> </u>			
2.	Address		:	Pin - 713212	P.O - Rajbandn, D	urgapur, District - Burdwa
	Name of the	Industry	:	Jai Balaji Industries L		

Reviewed By:

Dy. Quality Manager

Approved By; **Quality Manager**

>End of Report<





TEST REPORT

1 . I	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	ALC: NO
2.	Address		:	Village - Banskopa, P.O - Rajbandh, Pin - 713212	Durgapur, District – Burdwan
3.	Type of Indu	stry	:	Integrated Steel Plant	1 S S
4. 9	Sampling Pla	n & Procedure	:	ENV/SOP/02	1.1
		om the Sampling Method & Plan	:	No	
	Type of Sam	ple	:	Noise	
7. 9	Sample ID		:	440/EC/M/N	
8. I	Report ID		:	440/EC/M/TR(N)/20/22-23	
9. I			:	26/09/2022	101223
10 .			:	30/09/2022	
	Method No.		:	IS 15575 (Part 2), 2022	
	12. Time of Duration of Noise		:	20 Minutes	
13. Height from Ground Level			:	4 feet	
14.	Sample Mon		:	Mr. Anup Singha	
		RESULT OF NOISE	E LEV	EL STUDY	Time : 11:30 – 11:50 A.M
				DAY TIME	
20. Loc	ation : Pum	p House (SMS)		Sample Cod	e : (ENV/NOISE/20/21-22)
Sl. No.	Unit	Minimum	N	laximum Leq	Remarks
		dB(A)		dB(A) dB(A)	
01.	dB(A)	77.5		80.6 79.32	East Side
02.	dB(A)	79.1		81.2 80.28	West Side
03.	dB(A)	78.5		82.4 80.87	North Side
04.	dB(A)	80.2		84.9 83.16	South Side
			A	verage dB(A) Leq 80.91	

Reviewed By: Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

1. I	Name of the l	ndustry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2 . <i>I</i>	Address	1	:	Village - Banskopa, P.O - Rajbar	ıdh, Durgapur, District – Burdwan
				Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	
		n & Procedure	:	ENV/SOP/02	1.2
				No	and the second second
				Noise	
				440/EC/M/N	1
8. I				440/EC/M/TR(N)/21/22-23	
				26/09/2022	
				30/09/2022	Containing and the second second
	2. Time of Duration of Noise3. Height from Ground Level		:	IS 15575 (Part 2), 2022	10.70
			:	20 Minutes	The second se
			:	4 feet	
14. 9				Mr. Anup Singha	
		RESULT OF NOISE	LEV	EL STUDY	Time : 12:00 – 12:20 P.M
				DAY TIME	
21. Loc	ation : MBF	- 1 (MBF)		Sample	Code : (ENV/NOISE/21/21-22)
Sl. No.	Unit	Minimum	N	laximum 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
04.	dB(A)	78.3		83.5 81.64	South Side
	- I I		A	verage dB(A) Leq 80.22	

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





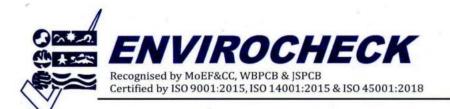
TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2.	Address		:	Village - Banskopa, P.O - Rajbano	lh, Durgapur, District – Burdwan
		for the second sec		Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	1 5 .
		an & Procedure	:	ENV/SOP/02	
		om the Sampling Method & Plan	:	No	
	Type of Sam	ple	:	Noise	
	Report ID Date of Study			440/EC/M/N	g - g
				440/EC/M/TR(N)/22/22-23	and the second se
				26/09/2022	and the second
	I. Method No. 2. Time of Duration of Noise 3. Height from Ground Level		:	30/09/2022	
			:	IS 15575 (Part 2), 2022	
			:	20 Minutes	
			:	4 feet	Sector Sector
14.	Sample Mon		:	Mr. Anup Singha	
		RESULT OF NOISE	LEV	EL STUDY	Time : 12:30 – 12:50 P.M
				DAY TIME	
22. Loc	cation : MBF	- 2 (MBF)		Sample C	ode : (ENV/NOISE/22/21-22)
Sl. No.	Unit	Minimum	N	laximum 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
			A	verage dB(A) Leg 81.66	

Reviewed By: Dy:Quality Manager

Approved By: Do **Quality Manager**

H.O. Laboratory		63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889
E-mail		info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in
Branch Office	:	Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	:	UAE = Qatar = Netherlands





TEST REPORT

	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2.	Address	×	:	Village - Banskopa, P.O - Rajbano	lh, Durgapur, District – Burdwan
				Pin - 713212	
	Type of Ind		:	Integrated Steel Plant	
		an & Procedure	:	ENV/SOP/02	
5.	Deviation fr	om the Sampling Method & Plan	:	No	
	Type of Sam	ple	:	Noise	1 - 1
	Sample ID		:	440/EC/M/N	
	Report ID			440/EC/M/TR(N)/23/22-23	
	Date of Stud		:	26/09/2022	and the second s
	Reporting D	ate	:	30/09/2022	1244 Children Children Children
	Method No.	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	:	IS 15575 (Part 2), 2022	
12.	Time of Dur	ation of Noise	:	20 Minutes	
	Height from Ground Level		:	4 feet	
14.	14. Sample Monitoring by			Mr. Anup Singha	Action March 1997
		RESULT OF NOISE	LEV	EL STUDY	Time : 01:00 – 01:20 P.M
				DAY TIME	
23. Loca	ation : Blow	er House (MBF)		Sample C	ode : (ENV/NOISE/23/21-22)
Sl. No.	Unit	Minimum	N	faximum Leq	Remarks
		dB(A)		dB(A) dB(A)	
01.	dB(A)	74.8		81.3 79.17	East Side
02.	dB(A)	77.5		80.6 79.32	West Side
03.	dB(A)	83.7		85.9 84.94	North Side
04.	dB(A)	72.9		83.1 80.49	South Side
	1 1		٨	verage dB(A) Leq 80.98	

Reviewed By: Dy. Quality Manager

Approved By: Do **Quality Manager**

H.O. Laboratory E-mail Branch Office	:	63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889 info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Branch Office Overseas		Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi UAE = Qatar = Netherlands





TEST REPORT

	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. /	Address	A	:	Village - Banskopa, P.O - Rajbandh	, Durgapur, District - Burdwan
				Pin - 713212	
	Гуре of Indu		:	Integrated Steel Plant	17 J
		n & Procedure	:	ENV/SOP/02	181
		om the Sampling Method & Plan	:	No	and the second second
	Гуре of Samj	ple	:	Noise	
7. 9	Sample ID		:	440/EC/M/N	
	Report ID		:	440/EC/M/TR(N)/24/22-23	1
9. 1	Date of Study	/	:	26/09/2022	
10. l	Reporting Da	nte	:	30/09/2022	Law Street Street
	Method No.		:	IS 15575 (Part 2), 2022	That are set
12.	Time of Dura	tion of Noise	:	20 Minutes	
		Ground Level	:	4 feet	
14. 9	Sample Moni	toring by	:	Mr. Anup Singha	
		RESULT OF NOISE	E LEV	EL STUDY	Time : 01:30 – 01:50 P.M
				DAY TIME	
24. Loc	ation : Pum	p House (MBF)		Sample Coo	de : (ENV/NOISE/24/21-22)
Sl. No.	Unit	Minimum	N	faximum 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
			A	verage dB(A) Leq 81.96	2 x x x

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<

H.O. Laboratory E-mail Overseas

:

:





TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries Ltd.		
2.	Address		:		0 - Rajbandh, D	urgapur, District – Burdwan
2				Pin - 713212		
3.	Type of Indu		:	Integrated Steel Plant		
4.		an & Procedure	:	ENV/SOP/02		
5.		om the Sampling Method & Plan	:	No		·
6.	Type of Sam	ple		Noise		5 B
7.	Sample ID Report ID			440/EC/M/N	0.00	
8.				440/EC/M/TR(N)/25/2	2-23	
9.	Date of Study		:	26/09/2022		
	Reporting D	ate	:	30/09/2022		
11.	Method No.		:	IS 15575 (Part 2), 2022		
12.		ation of Noise	:	20 Minutes		
13.	Height from Ground Level		:	4 feet	and the second second	
14.	Sample Mon		:			T : 00.00 00.00 A M
		RESULT OF NOISE	S LEV	EL STUDY		Time : 08:00 – 08:20 A.M
				DAY TIME		
25. Lo	cation : Turb	ine – 1 (CPP)			Sample Code :	(ENV/NOISE/25/21-22)
Sl. No	. Unit	Minimum	N	laximum	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
04.	dB(A)	75.9		82.5	80.35	South Side
			A	verage dB(A) Leq	80.50	and the second sec

Reviewed By:

0 Dy. Quality Manager

Approved By: 0 Quality Manager

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Branch Offic	ce:	Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	:	UAE Qatar Netherlands





TEST REPORT

	Name of the l	industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2.	Address		:	Village - Banskopa, P.O - Rajban	dh, Durgapur, District - Burdwan
				Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	5.0
		n & Procedure	:	ENV/SOP/02	1.8
		m the Sampling Method & Plan	:	No	
	Type of Samp	ble	:	Noise	1 8 B
	Sample ID		:	440/EC/M/N	
	Report ID	and the second	:	440/EC/M/TR(N)/26/22-23	1 I.
	Date of Study		:	26/09/2022	
	Reporting Da	ite	:	30/09/2022	
	Method No.		:	IS 15575 (Part 2), 2022	
		tion of Noise	:	20 Minutes	
			:	4 feet	Contraction of the second s
14.	Sample Moni		:	Mr. Anup Singha	
		RESULT OF NOISE	LEV	EL STUDY	Time : 08:30 – 08:50 P.M
				DAY TIME	
26. Loc	ation : Turb	ine – 2 (CPP)		Sample (Code : (ENV/NOISE/26/21-22)
Sl. No.	Unit	Minimum	N	laximum 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
			Δ	verage dB(A) Leq 84.59	

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

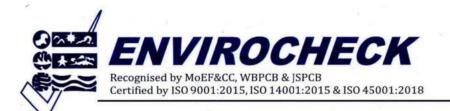
	Name of the l	ndustry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. A	Address	5	:	Village - Banskopa, P.O - Rajband	h, Durgapur, District – Burdwan
				Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	- 9.9
		n & Procedure	:	ENV/SOP/02	181.00
		m the Sampling Method & Plan	:	No	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	Гуре of Samp	ble	:	Noise	11 M
	Sample ID		:	440/EC/M/N	
	Report ID		:	440/EC/M/TR(N)/27/22-23	A. A
9. E	Date of Study		:	26/09/2022	CHILDREN CONTRACTOR
	Reporting Da	te	:	30/09/2022	Charles of the second
	Method No.		:	IS 15575 (Part 2), 2022	The open
		tion of Noise	:	20 Minutes	
	8		:	4 feet	
14. S	Sample Moni		:	Mr. Anup Singha	
		RESULT OF NOISE	ELEV	EL STUDY	Time : 09:00 – 09:20 A.M
				DAY TIME	
27. Loca	ation : Turb	ine - 3 (CPP)		Sample Co	ode : (ENV/NOISE/27/21-22)
Sl. No.	Unit	Minimum	N	faximum 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
	<u> </u>		A	verage dB(A) Leq 80.84	2 x x x x

Reviewed By:

Approved By: **Quality Manager**

Dy. Quality Manager

>End of Report<





TEST REPORT

	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. <i>I</i>	Address		:	Village - Banskopa, P.O - Rajbano	lh, Durgapur, District – Burdwan
		#		Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	7.0
		n & Procedure	:	ENV/SOP/02	18 1 1 1 1
		om the Sampling Method & Plan	:	No	and the second second
	Type of Sam	ple	:	Noise	
	Sample ID		:	440/EC/M/N	
	Report ID		:	440/EC/M/TR(N)/28/22-23	1
	Date of Study	7	:	26/09/2022	and the second second
	Reporting Da	nte	:	30/09/2022	
	Method No.		:	IS 15575 (Part 2), 2022	Tel secto
		tion of Noise	:	20 Minutes	
			:	4 feet	
14. Sample Monitoring by			:	Mr. Anup Singha	
		RESULT OF NOISE	LEV	EL STUDY	Time : 09:30 – 09:50 A.M
				DAY TIME	
28. Loc	ation : DM P	lant (CPP)		Sample C	ode : (ENV/NOISE/28/21-22)
Sl. No.	Unit	Minimum	N	faximum 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
04.	dB(A)	77.2		83.5 81.40	South Side
	1		٨	verage dB(A) Leq 79.90	

Reviewed By:

Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

	Name of the	Industry	:	
2.	Address		:	Village - Banskopa, P.O - Rajbandh, Durgapur, District – Burdwar Pin - 713212
3.	Type of Indu	istry	:	Integrated Steel Plant
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	Second States	:	440/EC/M/N
8.	Report ID	All and the second second	:	440/EC/M/TR(N)/29/22-23
9.	Date of Stud	y	:	26/09/2022
10.	Reporting D	ate	:	
11.	Method No.		:	IS 15575 (Part 2), 2022
12.	Time of Dura	ation of Noise	:	20 Minutes
13.	Height from Ground Level		:	
14.	Sample Mon	itoring by	:	Mr. Anup Singha
		RESULT OF NOIS	E LEV	VEL STUDY Time : 10:00 - 10:20 A.M
				DAY TIME
29. Lo	cation : Boild	er - 1 (CPP)		Sample Code : (ENV/NOISE/29/21-22)
Sl. No	. Unit	Minimum	I	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
04.	dB(A)	78.0		81.4 80.02 South Side
			A	Average dB(A) Leq 78.70

Reviewed By:

Approved By: **Quality Manager**

>End of Report<

Dy. Quality Manager





TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2.	Address		:	Village - Banskopa, P.O - Rajband	h, Durgapur, District – Burdwan
				Pin - 713212	
3.	Type of Indu		:	Integrated Steel Plant	
4.		an & Procedure	:	ENV/SOP/02	6.9 1
5.		om the Sampling Method & Plan	:	No	and the first second second
6.	Type of Sam	ple	:	Noise	State of the second sec
7.	Sample ID Report ID			440/EC/M/N	
				440/EC/M/TR(N)/30/22-23	1.3
9.	Date of Study		:	26/09/2022	
	Reporting Da	ate	:	30/09/2022	
	Method No.		:	IS 15575 (Part 2), 2022	Tare
12.		ation of Noise	:	20 Minutes	
13.	0	Ground Level	:	4 feet	and the second sec
14.	Sample Mon		:	······································	
		RESULT OF NOISE	ELEV	EL STUDY	Time : 10:30 – 10:50 A.M
				DAY TIME	
30. Lo	cation : Boile	er - 2 (CPP)		Sample Co	ode:(ENV/NOISE/30/21-22)
Sl. No.	. Unit	Minimum	I	laximum 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
03.	dB(A)	77.2		82.5 80.61	North Side
04.	dB(A)	73.1		78.6 76.67	South Side
			Α	verage dB(A) Leq 78.74	

Reviewed By:

Dy. Quality Manager

Approved By: Quality Manager

>End of Report<





TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2.	Address	· · · · ·	:	Village - Banskopa, P.O - Rajband	h, Durgapur, District – Burdwan
	141			Pin - 713212	
3.	Type of Indu		:	Integrated Steel Plant	- 88
4.		in & Procedure	:	ENV/SOP/02	1.2.1.
5.		om the Sampling Method & Plan	:	No	and the second second
6.	Type of Sam	ple	:	Noise	1
7.	Sample ID Report ID			440/EC/M/N	
8.				440/EC/M/TR(N)/31/22-23	1
9.	Date of Study		:	26/09/2022	
10.	Reporting Da	ate	:	30/09/2022	
11.	Method No.		:	IS 15575 (Part 2), 2022	Pro on the
12.		ntion of Noise	:	20 Minutes	
13.	0	Ground Level	:	4 feet	
14.	Sample Moni		:	Mr. Anup Singha	1
		RESULT OF NOISE	E LEV	EL STUDY	Time : 11:00 – 11:20 A.M
				DAY TIME	
31. Lo	cation : Pum	p House (CPP)		Sample Co	ode : (ENV/NOISE/31/21-22)
Sl. No	. Unit	Minimum	N	laximum 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
			A	verage dB(A) Leq 80.45	and the second second

Reviewed By: ale **Dy. Quality Manager**

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

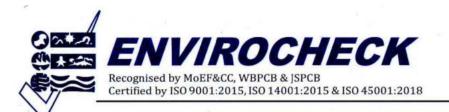
1.	Name of the	Industry	:			
2.	Address		:	Village - Banskopa, F Pin - 713212	2.0 - Rajbandh, D	urgapur, District - Burdwan
3.	Type of Indu	stry	:	Integrated Steel Plant		191
4.	Sampling Pla	n & Procedure	:			1911
5.	Deviation from	om the Sampling Method & Plan	:	No		A 4 1
6.	Type of Sam	ple	:	Noise		3.4
7.	Sample ID		:	440/EC/M/N	S	
8.	Report ID		:	440/EC/M/TR(N)/32/2	22-23	
9.	Date of Study			26/09/2022	in the second	
10.	Reporting Da	ate	:			and the second se
11.	Method No.		:	IS 15575 (Part 2), 2022	2	Tucone
12.	Time of Dura	ntion of Noise	:	20 Minutes		And the second sec
13.		Ground Level	:		her and the	
14.	Sample Moni		:		ALE RIGHT NEW	
		RESULT OF NOISE	ELEV	EL 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	I	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
04.	dB(A)	80.6		84.7	83.12	South Side
			A	verage dB(A) Leq	80.62	9

Reviewed By:

barka Dy. Quality Manager

Approved By: Quality Manager

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		Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	:	UAE Qatar Netherlands





TEST REPORT

	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2 . <i>I</i>	Address		:	Village - Banskopa, P.O - Rajbandł	ı, Durgapur, District – Burdwan
		8		Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	7.0
		n & Procedure	:	ENV/SOP/02	18
		om the Sampling Method & Plan	:	No	
	Type of Sam	ple	:	Noise	
	Sample ID		:	440/EC/M/N	
	Report ID		:	440/EC/M/TR(N)/33/22-23	States and the second second
	Date of Study		:	26/09/2022	
	Reporting Da	ate	:	30/09/2022	
	Method No.	a second s	:	IS 15575 (Part 2), 2022	10.97
		ntion of Noise	:	20 Minutes	The Anna Charles
		Ground Level	:	4 feet	
14. 9	Sample Mon		:	Mr. Anup Singha	
		RESULT OF NOISE	LEV	EL STUDY	Time : 12:00 – 12:20 P.M
				DAY TIME	
33. Loc	ation : Kiln	- 3 (DRI)		Sample Co	de : (ENV/NOISE/33/21-22)
Sl. No.	Unit	Minimum	I	faximum 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
04.	dB(A)	74.7		84.1 81.56	South Side
	I 1		Α	verage dB(A) Leq 80.89	2

Reviewed By: Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<

H.O. Laboratory E-mail Overseas

:





TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	10 St. 1
2.	Address		:	Village - Banskopa, P.O - Rajbandl	1, Durgapur, District – Burdwan
				Pin - 713212	
	Type of Indu		:	Integrated Steel Plant	
		an & Procedure	:	ENV/SOP/02	1.5
		om the Sampling Method & Plan	:	No	
	Type of Sam	ple	:	Noise	
	Sample ID		:	440/EC/M/N	and the second second
	Report ID		:	440/EC/M/TR(N)/34/22-23	
	Date of Study	y	:	26/09/2022	and the second sec
	Reporting Da	ate	:	30/09/2022	the second s
	Method No.		:	IS 15575 (Part 2), 2022	No. of Street,
		ation of Noise	:	20 Minutes	
		Ground Level	:	4 feet	
14.	Sample Mon		:	Mr. Anup Singha	
		RESULT OF NOIS	E LEV	EL STUDY	Time : 12:30 – 12:50 P.M
				DAY TIME	
34. Lo	cation : WHF	RB - 2 (DRI)		Sample Co	de : (ENV/NOISE/34/21-22)
Sl. No.	. Unit	Minimum	I	faximum 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
			Α	verage dB(A) Leq 79.37	7

Reviewed By: Dy. Quality Manager

Approved By: **Quality Manager**

H.O. Laboratory		63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889
E-mail		info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in
Branch Office	:	Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	:	UAE Qatar Netherlands





TEST REPORT

	ame of the	Industry	:	Jai Balaji Industries Ltd. (Unit # IV)	
2. A	ddress		:	Village - Banskopa, P.O - Rajbandl	n, Durgapur, District – Burdwan
				Pin - 713212	
	ype of Indu		:	Integrated Steel Plant	
		n & Procedure	:	ENV/SOP/02	1 Y
		om the Sampling Method & Plan	:	No	
	ype of Sam	ple	:	Noise	
	ample ID		:	440/EC/M/N	and the second s
	leport ID		:	440/EC/M/TR(N)/35/22-23	S. S
	ate of Study		:	26/09/2022	
	leporting Da	ate	:	30/09/2022	
	lethod No.		:	IS 15575 (Part 2), 2022	
		ation of Noise	:	20 Minutes	All once in
		Ground Level	:	4 feet	
14. S	ample Moni		:	Mr. Anup Singha	
		RESULT OF NOISE	LEV	EL STUDY	Time : 01:00 – 01:20 P.M
				DAY TIME	
35. Loca	ation : WHR	2B - 4 (DRI)		Sample Co	de : (ENV/NOISE/35/21-22)
Sl. No.	Unit	Minimum	N	faximum 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
04.	dB(A)	77.9		82.5 80.78	South Side
			A	verage dB(A) Leq 78.79	

Reviewed By:

alert Dy. Quality Manager

Approved By: **Quality Manager**

	: :	63/B, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792891/ 25497490 = Fax : 033 25299141 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 = Ph. 033 25792889 info@envirocheck.in / envirocheck50@gmail.com = Website : www.envirocheck.in Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas	;	UAE Qatar Netherlands





TEST REPORT

1.	Name of the	Industry	:		ies Ltd. (Unit # IV)	
2.	Address		:	Pin - 713212		, Durgapur, District – Burdwan
3.	Type of Indu		:		Plant	11.1
4.	 Sampling Plan & Procedure Deviation from the Sampling Method & Plan Type of Sample Sample ID 			ENV/SOP/02		12
5.				No		
6.				Noise	÷	1 1
7.				440/EC/M/N	· · · · · · · · · · · · · · · · · · ·	
8.	Report ID		:	440/EC/M/TR(N)	/36/22-23	1
9.Date of Study10.Reporting Date11.Method No.				26/09/2022	A Anti-Anti-Anti-Anti-Anti-Anti-Anti-Anti-	ALL DOCTORS AND ADDRESS AND ADDRESS ADDRE
				30/09/2022		
				IS 15575 (Part 2)	, 2022	Tel se
			:		ALL SHALL	
13.		Ground Level	:		AND	
14.	Sample Mon		:			
		RESULT OF NO	ISE LEV	/EL STUDY		Time : 02:00 – 02:20 A.M
				DAY TIME		
36. Lo	cation : Main	Administrative Building (AAQM	MS)		Sample Cod	le : (ENV/NOISE/36/21-22)
Sl. 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
			A	verage dB(A) Leq	60.30	
						Time : 10:00 – 10:20 P.M
<u></u>				NIGHT TIME		
Sl. No	. Unit	Minimum		Maximum	Leq	Remarks
0.4		dB(A)		dB(A)	dB(A)	
01.	dB(A)	48.3		52.5	50.89	East Side
02.	dB(A)	49.6		55.7	53.64	West Side
03.	dB(A)	47.1		55.3	52.90	North Side
04.	dB(A)	46.2		51.4	49.54	South Side
		<u> </u>	A	verage dB(A) Leq	51.74	

Reviewed By: 7 about **Dy. Quality Manager**

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

	Name of the	Industry	:		es Ltd. (Unit # IV)						
2.	Address		:	Village - Bansko Pin - 713212	ppa, P.O - Rajbandh, I	Durgapur, District – Burdwai					
	Type of Indu		:	Integrated Steel H	Plant	31.0					
		an & Procedure	:	ENV/SOP/02		181					
5.	. Type of Sample			No		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
				Noise		J. J.					
7.	Sample ID		:	: 440/EC/M/N							
	Report ID		:	440/EC/M/TR(N)	/37/22-23						
9.Date of Study10.Reporting Date11.Method No.				26/09/2022	the second second second						
				30/09/2022							
				IS 15575 (Part 2)	, 2022	Rear and Annual Annu					
			:	20 Minutes							
		Ground Level	:		10 mar 17						
14.	Sample Mon			Mr. Anup Singha							
		RESULT OF N	OISE LEV	VEL STUDY		Time : 02:30 – 02:50 P.M					
				DAY TIME							
37. Loo	cation : Near	Main Gate (Western Side) (AA	QMS)		Sample Code	: (ENV/NOISE/37/21-22)					
Sl. 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					
			A	verage dB(A) Leq	61.65	2 - 2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -					
						Time : 10:30 - 10:50 P.I					
CL N		Data in		NIGHT TIME	-						
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks					
01	dD(A)	dB(A) 48.3		dB(A) 52.9	dB(A) 51.18	East Side					
01.	dB(A)	48.3		54.9	51.10	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					
	1		A	Average dB(A) Leq	51.61						

Reviewed By: 7 about Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





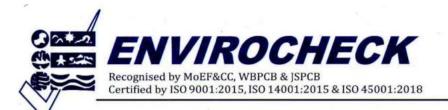
TEST REPORT

	Name of the	Industry	:		Jai Balaji Industri							
2. A	Address		:		Pin - 713212		- Rajbandh, Du	rgapur, District – Burdwan				
	Гуре of Indu		:		Integrated Steel P	lant		1.4				
4. S	. Sampling Plan & Procedure			:	ENV/SOP/02			1.5				
		om the Sampling Method & Plan	:		No		· · · · · · · · · · · · · · · · · · ·	1.5				
	Гуре of Sam	ple	:		Noise			1. 1.				
7. S				:	440/EC/M/N		1.1.1.1					
	Date of Study				440/EC/M/TR(N)	/38/22-2	23					
9. Date of Study 10. Reporting Date 11. Method No.			:		26/09/2022							
			:		30/09/2022	200						
			:		IS 15575 (Part 2),	2022	10 11 S 10					
			:		20 Minutes	1111	and the second second					
		Ground Level	:		4 feet	100		The second s				
14. S	Sample Mon		:		Mr. Anup Singha	100	1. 1. 1. 1. 1. 1. S.	Sec. 1125-				
		RESULT OF NO	ISE LE	VE	L STUDY			Time : 03:00 – 03:20 P.M				
					DAY TIME							
38. Loca	ation : Adm	in Building Ferro Div. (Eastern S	ide) (AA	QMS)		Sample Code : (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	1	61.78	East Side				
02.	dB(A)	57.5							60.8	0.530	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				
			I	Av	erage dB(A) Leq		62.01					
								Time : 11:00 - 11:20 P.M				
CL N					NIGHT TIME		.					
Sl. No.	Unit	Minimum dB(A)		IV	laximum 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				
011		1										

Reviewed By: als Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

	Name of the	Industry			Jai Balaji Industri									
2.	Address				Pin - 713212		- Rajbandh, I	Durgapur, District – Burdwar						
	Type of Indu				Integrated Steel P	lant		ST 11						
		an & Procedure		:	ENV/SOP/02			18						
		om the Sampling Method & Pla	ın		No			1 M B 1						
	Type of Sam	ple			Noise			1.1						
	Sample ID				440/EC/M/N			1. 1 · · · ·						
	Report ID				440/EC/M/TR(N)	/39/22-2	3							
	Date of Study D. Reporting Date 1. Method No. 2. Time of Duration of Noise 3. Height from Ground Level				26/09/2022	100	the state of the s							
					30/09/2022	2.0								
		and the second second			IS 15575 (Part 2),	2022								
			2		20 Minutes	28.7		A. 1						
					4 feet		1000	21-10-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1						
14.	Sample Mon			:	Mr. Anup Singha			States States						
		RESULT OF N	OISE LE	EVI	EL STUDY			Time : 03:30 – 03:50 P.M						
					DAY TIME									
39. Loo	cation : Near	RM Yard (Southern Side) (AAG	QMS)				Sample Code :	: (ENV/NOISE/39/21-22)						
Sl. No.	Unit	Minimum		Μ	aximum		Leq	Remarks						
		dB(A)			dB(A)		dB(A)							
01.	dB(A)	56.8			63.5	and some	61.33	East Side						
02.	dB(A)	59.7									64.2	14	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						
				Av	erage dB(A) Leq		63.16							
								Time : 11:30 - 11:50 P.M						
CI N		B.C			NIGHT TIME		I							
Sl. No.	Unit	Minimum dB(A)			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						
				Δτ	erage dB(A) Leq		53.81							

Reviewed By: Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<





TEST REPORT

		Industry	:		ai Balaji Industri				10 -	
2 . <i>I</i>	Address		:		'illage - Bansko 'in - 713212	pa, P.O	· Rajbandh,	Durgapı	ur, District –	Burdwan
			:	: Iı	ntegrated Steel P	lant			20	
	 Deviation from the Sampling Method & Plan Type of Sample Sample ID 			: E	NV/SOP/02					
					lo					
					loise			100		64 L
			:		40/EC/M/N	- S.		1.1	1 dt -	
			:		40/EC/M/TR(N)	/40/22-2	3	11 12		
	Type of Sample Sample ID Report ID Date of Study Reporting Date Method No. Time of Duration of Noise Height from Ground Level Sample Monitoring by RESULT OF NO No. Unit Minimum dB(A) 55.3 4. dB(A) 56.7 3. dB(A) 56.8 No. Unit Minimum dB(A) 51.3 2. dB(A) 51.3 2. dB(A) 48.3				6/09/2022					
					0/09/2022			1.11		
	Sample ID Report ID Date of Study Date of Study O. Reporting Date . Method No. 2. Time of Duration of Noise 3. Height from Ground Level 4. Sample Monitoring by RESULT OF NOI D. Location : Power Plant Control Room (Northern . No. Unit Minimum dB(A)				S 15575 (Part 2),	2022	2011. DU 20	No. or		
			:		0 Minutes			6.1		
			:		feet	200	157			10 C - F
14. 9	Sample Mon	itoring by	:	: N	Ir. Anup Singha	Str. 1		100		
		RESULT OF NO	DISE LEV	VEL]	Гіте : 03:30 –	03:50 P.M
					DAY TIME					
40. Loc	ation : Powe	er Plant Control Room (Norther	rn Side)) (A/	AQMS)		Sample Code	e : (ENV/I	NOISE/40/21-2	22)
Sl. No.	Unit	Minimum		Max	ximum		Leq		Remar	ks
		dB(A)		d	B(A)		dB(A)			
01.	dB(A)	55.3		e	63.8	2	61.36	-	East Sid	de
02.	dB(A)	56.7		6	64.2	Western .	61.90		West Si	de
03.	dB(A)	55.3		6	50.9		58.95		North Si	ide
04.	dB(A)	56.8		e	64.5		62.17		South Si	ide
		·	A	Ave	rage dB(A) Leq				8 - L - C	
									Time : 10:00 -	10:20 P.M
CI Ma	II!+	Mississ			NIGHT TIME		Log		D	le a
Sl. No.	Unit				ximum IB(A)		Leq dB(A)		Remar	KS
01.	dB(A)				58.9		56.59		East Sid	de
02.	dB(A)	48.3			53.7		51.79		West Si	de
03.	dB(A)	47.5			52.9		50.99	21.0.2	North Si	ide
04.	dB(A)	50.2			53.8		52.36	l.	South Si	ide
		II	I	Ave	rage dB(A) Leq		52.93			-

Reviewed By: Dy. Quality Manager

Approved By: **Quality Manager**

>End of Report<

ANNEXURE 7

WEST BENGAL POLLUTION CONTROL BOARD

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

Consent Letter Number : CO 110222

Memo Number: 3228/201_0_5/11/1855

09/10/2018

Consent to Operate

under

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

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

Industries limited (Unit N)

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

(Detailed address of the manufacturing unit)

2023

30

schim Bardhaman 713212

for a period from ..

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

date of issue

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

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



Assistant Environmental Engineer gional Office (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

For and on behalf of the State Board

(2) ANNEXURE

Consent to Jai Balaji Industries limited (Unit IV)

for its unit at Nill: Banshopa, OO'. Rajbandh, PS'. Kanksa, Paschim Bardhaman

Pin - 713212.

Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Clean Coal	10312 MT
02	Ferro Chrome/ Manganese Silico Manganese/	6133 MT
03	Ferro Chrome/ Manganese (Silico Manganese/ Metallurgical Coke Ferro Silicon	29167 MT
04	Pig Iron	6000 MT
05	Power (Slectricity) ST BEN	GAS5 MW
06	Producir Gas	9000 Nm3/hr
07	Sponge Iron	12 000MT
08	Steel Billets	24950 MT
09	TMT Bars	19333 MT
10		
11		A State of the second s
12		A State of the second s

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.

07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.

08. The *Applicant* shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

Assistant Environmental Engineer (Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Assistant Environmental Engineer West Bengal Pollution Control Board Continued...... Consent to Jai Balaji Industries limited (Unit IV) for its unit at Nill! Banskopa, PO! Rajbandh, PS! Kanksha, Paschim Bardhama Pin - 713212.

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
1	Mixed	pH	Between: 5.5 to 9.0	materly
		Total Suspended Solids	Not to exceed : 100 mg/1.	0
	ALL READ AND	Biochemical Oxygen Demand (3day at 27°C)	Not to exceed : 30 mg/l.	Contraction of the
		Chemical Oxygen Demand	Not to exceed : 250 mg/l.	all and
1		Oil & Grease	Not to exceed : 10 mg/1.	1. 1. 1. 1.
	1	Phenol	1.0 mgll	
	A Designed	CN	0.2 mgll	alexant the
			J	COLOR DO
5. s		A CONTRACTOR OF THE OWNER		
		MECTOEN	GAL	1.7
-	-	VVESI DEN	IGAL	
				143
		A REAL PROPERTY OF THE PARTY OF		1
				1000
				10000
	100 million (1997)			
	- 78 - M		The second second	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Sa Contractor	

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

 Industrial cooling, spraying in mine pits and boiler feed water (Water used for gardening should be included in this category) 	→ of use)	2710.0	KL
Domestic purpose	→	119.50	KL
 Processing whereby water gets polluted and the pollutants are easily biodegradable 	·→	-	KL
 Processing whereby water gets polluted and the pollutants are not easily biodegradable 	→	_	KL

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

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

Assistant Environmental Enginear Durgapur R Continued Giffice -West Bengal Pollution Control Board

Balaji Industries Limited Jai Consent to for its unit at Nill: Baarshopa, Po'. Rajbandh, PS'. Kankoa, Paschim Bardhaman 713212

(Unit 1V)

11. The Applicant shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.

- 12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to 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 :

.....

Stack No.	Stack height from	Stack attached to (sources and control system.	Volume Nm ³ /hr.	Velocity of gas emission	Concent	rations o	f parame	ters not to	exceed	Frequency of emission sampling
	G.I., (in mts.)	if any):	WES	5 m/sec	SPM (mg/Nm ³)	CO (%v/v)	AL			1.5
S-I			(See	Annexu	w 1)					
S-2		11					1			
S-3										
S-4	to tents	a fa August	X				7	Nin and		
S-5	A galactic		A SULLE						No tilet et No ori	in hos
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(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Assistant Environmental Engineer Compapur Regentintediffice Public Control Board

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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 :-

Consent to

for its unit at

Nill

SI. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Furnace Oil	133300 lit/month	Rolling Millo
02	Woo Loking Coal	62554 Ton/month	: Boiler, DRI Kiln, SEAF Your
03	Diesel	170 lit) hr	De Seto
04	Coking Coal	A 5000 Ton month	Coke Oven a
05	0	. /	

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, BFSlag	3940 MT/month		Seld/disposed off
Gal Dust, Scrap, Mill	2318 ht month		Reused 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.
- 21. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
- 22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 23. The Applicant shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

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

Assistant Environmental Engineer Durgapur Positived Office West Bengal Pollution Control Board

713212

Consent to Jai Balaji Industrics Limited (Unit IV)

for its unit at Nill- Bauskopa, PO! Rajbandh, PS! Kanksa, Taschin Baudhaman

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.
- 30. The Application shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
- 31. The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
- 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

(6)

ANNEXURE - I

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

Contd.. P/2.

Frequency of Sampling	Do		Do	Do	Do	Do	Do	Do	Do	Do		Do	Variabili	1 cally	00	00	oard	
Concentration of Parameters not to be Exceed										•							Asst. Environmental Engineer & In-charge West Bengal pollution Control Board	
meters not t										•							onmental En	
ion of Parar	1		-	1	1	-	-	-	1	- '			1	-			Asst. Enviro West Ber	
Concentrat	150	+10	150	150	150	150	150	150	150	051	150	001	150	150	150			
Velocity of Gas Emission (m/sec)	-						,											
 Volume Nm ³ /hr				-														
 Stack Attached to (Source and Control System, if any)	Re-Heating Furnace No. 1 (20 TPH X 1), Dedicated Stack	Stoves of MBF No. 1 (50 m ³ X 1)			Tap Hole Emission No. 2 Bag Filter	SEAF No. 1 & 2 (16 5 MVA X 2) Rad Filter	SEAF No. 3 (16.5 MVA) Rad Filter	Briduetting Plant, Cvclone Senarator	Captive Power Plant (85 MM/) with 2 nos CEBC Boilow	of Capacity 85 TPH and 170 TPH, Common Stack and Individual ESP	Raw Material Handling Section of Power Plant, Bag	Filter	D.G. Set (320 KVA X 2)	D.G. Set (1000 KVA X 2)	D.G. Set (500 KVA X 1)			
Stack Height from G.L. (in meters)	27	30	30	15	15	30	30	30	100		15		7	5.6	6.5			
SI No of Stack	12	13	14	15	16	17	18	19	20		21		22	23	24			

ANNEXURE 8

F. No. J-11011/496/2009- IA II (I) Government of India Ministry of Environment and Forests (I.A. Division)

> Paryavaran Bhawan CGO Complex, Lodhi Road New Delhi – 110 003 E-mail: ms.industry-mef@nic.in Tele/fax: 011 – 2436 3973 Dated: November 29th, 2010

To,'

The Director, M/s Jai Balaji Industries Limited 5, Bentinck Street, 1st Floor, Kolkata- 700 001

Ph: 033-2248 9808 Fax: 033-2243 0021 E-mail: <u>info@jaibalajigroup.com</u>

Sub: Expansion of Steel Plant (Unit-IV) by installation of Coke Oven Plant (Nonrecovery type, 1,65,000 TPA) along with Producer Gas Plant (9,000 Nm³/hr) and Captive Power Plant (WHRB, 9 MW & CFBC, 36 MW) at Village Banskopa, P.O. Rajbandh, District Burdwan, West Bengal by M/s Jaibalaji Industries Limitedregarding Environmental Clearance

Sir,

This has reference to your letter no. nil dated 14.09.2010 received in the Ministry on 17th September, 2010 along with a copy of EIA/EMP and public hearing report seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Jaibalaji Industries Ltd. have proposed for expansion of the existing Steel Plant (Unit-IV) by installation of Coke Oven Plant (Non-recovery type, 1.65,000 TPA) along with Producer Gas Plant (9,000 Nm³/hr) and Captive Power Plant (WHRB, 9 MW & CFBC, 36 MW) at Village Banskopa, P.O. Rajbandh, District Burdwan, West Bengal. The proposed project will be set up in an area of 29.5 acres within the existing steel plant premises and green belt will be developed in 33 % area. No national parks/wild life sanctuary/reserve forests are located within 10 km radius. Total cost of the proposed project is Rs. 252.5 Crores. Rs. 19.0 Crores and Rs. 3.0 Crores will be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures.

3. The details of the existing units as well as the proposed units and their capacities under Unit-IV project are as under:

SI. No.	FACILITIES	EXISTING CAPACITY	CAPACITY UNDER CONSTRUCTION (EC obtained)	PROPOSED CAPACITY	ULTIMATE CAPACITY
1.	DRI Plant	1.20,000 TPA (4 x 100 TPD)	-	-	1,20,000 TPA
2.	Mini/Blast Furnace	80.500 TPA (2 x 45 M3)	-	-	80,500 TPA
3.	Induction Furnace	2,97,000 TPA (5 x 15 T)	1,78,200 TPA (3 x 15 T)	-	4,75,200 TPA
1. •	Coal Washery	3,60,000 TPA (1 Unit)	3,60.000 TPA (1 Unit)	-	7,20,000 TPA

5.	Submerged Arc Furnace	56,325TPA (3x 16.5 MVA)	22,211TPA (1x 16.5 MVA)	-	78.536 TPA
6.	Rolling Mill	2,40,000 TPA	1.60.000 TPA		4,00,000 TPA
7.	Captive Power Plant	85 MW		45 MW (9 MW from WHRB & 36 MW from CFBC)	130 MW
8.	Coke oven		2,25,000 TPA	1,65,000 TPA	3,90.000 TPA
9.	Producer Gas Plant			9.000 Nm ³ /hr. (3 x 3000 Nm ³ /hr)	9,000 Nm ³ / hr.

4. Coking Coal (2.20,000 TPA) will be imported from Australia and South Africa. Dolochar / coal fines will be used in the CFBC boiler. Coal will be sourced from captive coal block. Carbonization of coal will be carried out in coke oven plant to produce Low ash metallurgical hard coke. High temperature flue gases produced during coking will be supplied to WHRB for generation of steam to generate power. The proposed 45 MW Captive Power Plant is planned not only considering the 4 MW power demand of the proposed expansion, but also considering the existing power short fall. Presently, to meet the additional power demand of its existing units, the company is depended on outsourced power.

5. There will be no emissions from production process as negative pressure technology is adopted in the proposed plant. Adequate dust extraction/dust suppression systems will be installed at all locations of dust generation. Water sprinkling system will be used to control fugitive emissions during handling of coke and coal. A baffle plate dust collector will be provided at Coke quenching tower. Dust extraction system will be provided at coke screening & crusher house and coke storage bunker house. High efficiency ESP will be installed to control the dust emissions from CFBC & WHR boilers.

6. Make up water requirement is 30m³/hr, which will be sourced from Asansol Durgapur Development Authority (ADDA). No industrial effluent will be discharged as the quenching water after sedimentation will be re-circulated back into the system. The major part of cooling tower blow down, boiler blow down and DM plant effluent from the CPP will be used for coke quenching and the balance will be used for dust suppression and greenbelt development inside the plant. It is also proposed to develop rain water harvesting structure

7. Fly ash, generated from CFBC boiler will be sold to cement plant / brick manufacturers. Bottom ash will be disposed in abandoned mines Tar, generated from producer gas plant will be sold to authorized recyclers. Coke breeze will be used as fuel in the existing ferro alloy / sinter plant.

8. All the Coke Oven Plants (>2,50,000 TPA) are listed at SI. No. 4 (b) under Category 'A' in the schedule of EIA Notification, 2006 and are appraised by the Expert Appraisal Committee in the Ministry.

9. The proposal was considered by the Expert Appraisal Committee-1 (industry) in its 15th meeting held during 25th- 27th October, 2010. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing of the project was held on 15th July 2010.

10. Based on the information submitted by you, presentation made by you and consultant, M/s Envirotech East Pvt. Ltd., Kolkata, the Ministry of Environment and Forests

hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General 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. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided.
- The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
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- iii. Stack monitoring facilities for all the major stacks and adequate air pollution control systems viz. dust catchers, bag filters etc. to control particulate emissions within the prescribed limits from coke oven shall be provided. Electrostatic Precipitators shall be installed to control particulate emissions from the captive power plant. Carbon monooxide (CO) shall also be monitored along with other parameters and standards notified under Environment (Protection) Act shall be followed. The reports shall be submitted to the Ministry's Regional Office at the Bhubaneswar, Central Pollution Control Board (CPCB) and West Bengal Pollution Control Board (WBPCB).
- iv. Multi stage scrubber shall be installed to control gaseous and dust emission from the coke oven stack. Measures shall be taken to prevent leakages from the coke oven plant.
- The prescribed emission standards for coke oven plants, as notified vide notification no. GSR 46 (E) dated 3rd February, 2006 and subsequently amended shall be complied with.
- vi. In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant and coke sorting plant of coke oven plant. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.
- vii. Secondary fugitive emissions shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
- viii. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Efforts shall also be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept
- ix, The company shall explore possibility of use of bottom ash for brick manufacturing.

- x. The make up requirement of the water shall not exceed 30 m³/hr. All the treated wastewater shall be recycled for dust suppression and green belt development. Domestic wastewater shall be treated in septic tank followed by soak pit and used for green belt development. Zero effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises. Regular monitoring of Trace elements including Arsenic in the Ground Water has to be done
- xi. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance
 water requirement shall be met from other sources.
- xii. The Company shall obtain a certificate from the supplier of coking coal that it does not contain any toxic or trace metals. A copy of certificate shall be submitted to the Ministry of Environment and Forests.
- xiii. Coke breeze shall be used as fuel in the existing ferro alloy plant. Coal fines shall be recycled and reused in the process. Fly ash, generated from CFBC boiler shall be sold to local cement plant / brick manufacturers. Tar, generated from Producer Gas plant shall be sold to authorized recyclers. The bag filter dust shall be used for landfilling. The waste oil shall be properly disposed off as per the Hazardous Waste (Management, Handling, Handling and Trabsboundry Movement) Rules, 2008
- xiv. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar. SPCB and CPCB within 3 months of issue of environment clearance letter.
- xv. The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Coke Oven Plants shall be implemented
- xvi." As proposed, green belt should be developed in at least 33 % of the project area with a revised green belt plan so as to have a minimum width of 15to 20 m. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xvii. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 15th July, 2010 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar
- xviii. At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar Implementation of such program shall be ensured accordingly in a time bound manner.
- xix. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board and the State Government.

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No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.

The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.

At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.

- Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.
- vi. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules. 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vili. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
 - Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose
- xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.

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- xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the CECB. The criteria pollutant levels namely; PM10, SO₂, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.
- xiv. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules. 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail
- xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar.
- xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

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

12. The Ministry reserves the right to stipulate additional conditions if found necessary The Company in a time bound manner shall implement these conditions.

13. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

Yours faithfully P. <u>A kyjacon</u> Dr. P.L. Ahujarai) Scientist -F

-6-

Copy to:

- 1. The Secretary, 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, Delhi-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 (F7). Market Sector 2014.
- The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests A-3, Chandrashekharpur, Bhubaneswar - 751 023, Orissa
 Adviser (IA-II), Ministry of Environment and Forests December 2019
- Adviser (IA-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
 Manitaria C. II. Adviser (IA-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex,
- 6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi,
- 7. Guard File.
- 8. Monitoring File.
- 9. Record File.

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(Dr. P.L. Ahujarai) Scientist-F

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



PICTORIAL EVIDENCE

Ambient Air Quality Monitoring



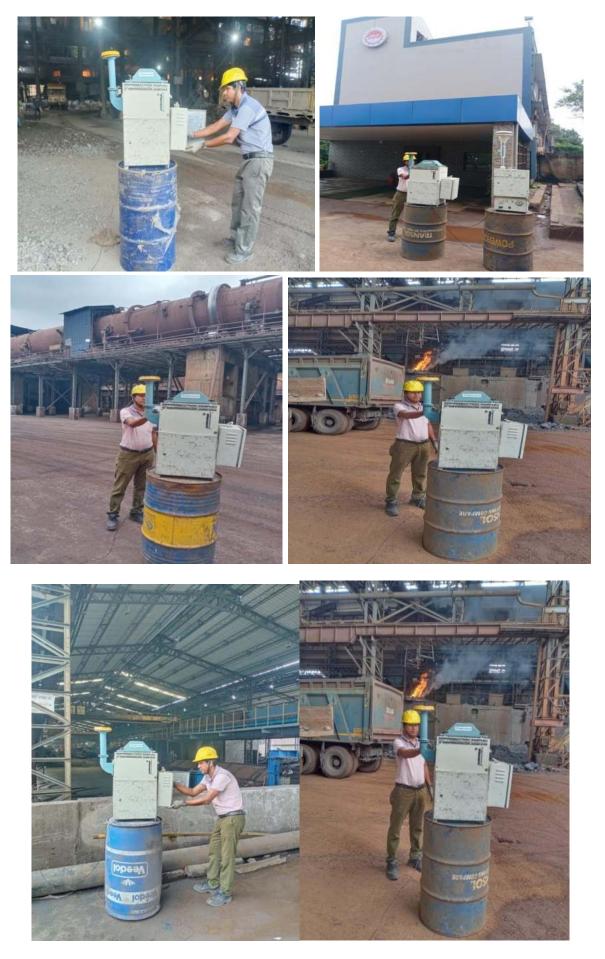


Stack Gas Monitoring





Work Zone Air Monitoring



Noise Monitoring



Effluent water collection



Drinking water collection



Green Belt development





Health Care Centre



Industrial Safety

