SIX MONTHLY COMPLIACNE REPORT

SESSION: APRIL 2022 – SEPTEMBER 2022

F. No. J-11011/724/2008-IA II (I), dated 30.08.2010.

Unit- III



IN RESPECT OF:

JAI BALAJI INDUSTRIES LIMITED

Mouza – Bamunara, & No.58 and Banskopa, J.L. No.61, Village-Banskopa, PO-Rajbandh, Dist-Burdwan, West Bengal.

JAI BALAJI INDUSTRIES LIMITED

SIX MONTHLY COMPLIANCE REPORT

(April 2022 - September 2022)

Modification-cum-expansion of existing Steel Plant Vide letter No.: J-11011/724/2008-IA II (I), dated 30.08.2010

Project location:

Mouza – Bamunara, & No.58 and Banskopa, J.L. No.61, Village-Banskopa, PO- Rajbandh, Dist-Burdwan, West Bengal

Introduction

The project of Jai Balaji Industries Limited is located at Mouza – Bamunara, & No.58 and Banskopa, J.L. No.61, Village-Banskopa, PO- Rajbandh, Dist-Burdwan, West Bengal. Jai Balaji Industries Limited was granted Environmental Clearance from GoI, MoEF & CC (Impact Assessment Division) Vide letter No J-11011/724/2008-IA II (I), dated 30.08.2010 for modification cum expansion of existing steel plant unit III.

Project facilities:

Following are the existing and proposed facilities as per EC-

Sl	Existing		Proposed	Proposed			
No	Unit	Production(TPA)	Unit	Production(TPA)			
1	2 x 250 M ³ BF	3,67,500	Blast Furnace 250 M ³	5,04,000			
2	60 M ² Sinter Plant	6,08,256	Electric Arc Furnace (60T)	4,50,200			
3	Rolling Mill	3,00,000	Caster	4,50,200			
4	Arc Furnace (1 x 50T)	3,46,500					
5	DIP Plant	IP Plant 2,52,000 Pulverised Coal injection Plant					
6	Induction Furnace for DIP Plant	1 x 10 T	O2 Plant VPSA ASU	18,000 40,320			
7			Iron Ore Beneficiation	6,00,000			
8			Pellet Plant	6,00,000			
9			Rolling Mill	6,00,000			
10			Desulphurisation of metal	5,04,000			
11			Induction Furnace for DIP Plant (3X15 T)	2,52,000			
12			Lime Kiln	54,000			
13			Producer Gas Plant	4 x 30000 Nm ³ /Hr			

A.	SPECIFIC CONDITIONS:	COMPLIANCE STATUS:
(i)	Compliance to all the specific and general conditions	Compliance to all the specific and general
	stipulated for existing plant by the Central / State Govt.	conditions stipulated for existing plant by the
	shall be ensured and regular reports submitted to the	Central / State Govt. is ensured and regular reports
	Ministry and itsRegional Office at Bhubaneswar.	are submitted to the Ministry.
		·
(ii)	Efforts shall be made to reduce RSPM levels in the	Suitable efforts are being made to reduce RSPM
	ambient air and a time bound action plan shall be	levels in the ambient air. The Air Pollution
	submitted. On-line ambient air quality monitoring and	Equipment we have already developed includes:
	continuous stack monitoring facilities for all the stacks	Venturi Scrubber in the MBF, Bag Filter and IF is
	shall be provided and sufficient air pollution control	installed with EAF and DIP Plant. The latest Stack,
	devices viz. venturi scrubber, gas cleaning plant, bag	Ambient and Work zone air quality reports are
	filters, etc. shall be provided to keep the emission levels	attached as Annexure 1-3 .
	below 50 mg/Nm ³ by installing energy efficient	
	technology.	
(iii)	As proposed, bag filter shall be provided to MBF,	There is a provision for a venturi scrubber in the
	Electric Arc Furnace, sinter plant and dust catcher	MBF and a bag filter in the EAF, IF, and DIP plant
	followed by venturi scrubbers to blast furnace to	to keep emissions at or below 50 mg/Nm3. All the
	control PM levels within 50 mg/Nm3. Fume extraction	APC devices maintained properly to ensure its
	system shall be provided to induction furnace to	efficiency.
	control the emissions within the prescribed standards.	
(iv)	The National Ambient Air Quality Standards issued	The National Ambient Air Quality Standards
	by the Ministry vide G.S.R. No. 826 (E) dated 16th	issued by the Ministry is being followed. The data
	November, 2009 shall be followed.Data for AAQ	for ambient air are sent to the ministry.
	emissions data for the last 3 years has to be submitted	Latest reports are attached as annexure 2.
	to the Ministry.	
(v)	Gaseous emission levels including secondary fugitive	Emissions of all sources of fugitive gases are
	emissions from all the sources shall be controlled	controlled within the latest permissible limits
	within the latest permissible limits issued by the	established by the Ministry, and they are regularly
	Ministry and regularly monitored. Guidelines/Code of	monitored. Guidelines of practice issued by CPCB
	practice issued by CPCB shall be followed. New	is being followed strictly. There is no sponge iron
	standards for the sponge iron plant issued by the	plant.
	Ministry vide G.S.R. 414(E) dated 30th May, 2008	
	should be followed.	

(vi)	Make-up water requirement from Asansol-	Make up water does not exceed the prescribed
	Durgapur Development Authority (ADDA) shall not	limit in the compliance condition. A rainwater
	exceed 108 m ³ /hr. Efforts shall further be made to use	harvesting system is already installed to ensure
	maximum water from the rain water harvesting	maximum water use in the factory. No effluent is
	sources. All the effluent shall be treated and used for	discharged and 'zero' discharge is already adopted.
	dust suppression and green belt development. No	Sanitary sewage is treated in septic tank followed
	effluent shall be discharged and 'zero' discharge shall	by soak pit.
	be adopted. Sanitary sewage should be treated in septic	
	tank followed by soak pit.	
(vii)	Efforts shall be made to make use rain water harvested.	Genuine Efforts are made to ensure maximum
	If needed, capacity of the reservoir should be enhanced	Utilization of rain water from the well-developed
	to meet the maximum water requirement. Only	rain water harvesting system within the plant. The
	balance water requirement shall be met from other	water consumption does not exceed as per the
	sources. The water consumption shall not exceed as per	standard prescribed.
	the standard prescribed for steel plants.	Photographs of rain water harvesting plant is
		attached.
(viii)	Regular monitoring of influent and effluent surface,	Regular monitoring of influent and effluent,
	sub-surface and surface ground water (including	surface water, ground water quality (including
	chromites) should be ensure and treated wastewater	chromites) and Leachate study for the effluent
	should meet the norms prescribed by the State Pollution	generated is carried out.
	Control Board or described under the Environment	The test report for the above is provided as
	(Protection) Act, 1986 whichever are more stringent.	Annexure 4-8.
	Leachate study for the effluent generated and analysis	
	shall also be regularly carriedout and report submitted	
	to the Ministry's Regional Office, Bhubaneswar, WBPCB and CPCB.	
(ix)	All the blast furnace (BF) slag shall be provided to the	Slag generated from the blast furnace is sold to
	cement manufacturers. Scrap shall be used in steel	neighboring cement manufacturers. All the scrap is
	melting shop (SMS) and SMS slag and kiln accretions	used in steel melting shop (SMS) and SMS slag and
	shall be properly utilized. All the other solid waste	kiln accretions is properly utilized. All the other
	including broken refractory mass shall be properly	solid waste including broken refractory mass is
	disposed off in environment-friendly manner.	properly disposed off in environment- friendly
		manner.

material and finished products shall be controlled. Proper arrangements shall also be made to control with appropriate efforts. Proper arrangements to
dust emissions during unloading and loading of suppress dust generation in the plant like usage of
raw material and finished product. sprinkler for watering and water tanker for sprayin
water to inside premises and adjacent outside th
boundary wall is carried out to minimize groun
pollution.
All the vehicles have valid PUC documents.
(xi) All internal roads shall be black topped. The roads The internal roads are being laid with the provision
shall be regularly cleaned with mechanical of paver blocks. Previously the internal roads were
sweepers. A 3-tier avenue plantation using native black topped. Development of 3-tier avenu
species shall be developed along the roads. plantation using native species around 33% of total
Facilities for parking of trucks carrying raw coal plant area has already been developed. See
from the linked coalmines shall be created within Annexure 9 & 10.
theUnit.
(xii) Proper handling, storage, utilization and disposal Solid wastes are stored, handled, and converte
of all the solid waste shall be ensured and regular with the utmost care so that they don't create an
report regarding toxic metal contentin the waste adverse environmental effects. There is no toxic
material and its composition, end use of solid / metal present in the slag.
hazardous waste should be submitted to the Latest reports are attached as Annexure 8.
Ministry's Regional Office at Bhubaneswar,
WBPCB and CPCB.
(xiii) As proposed, green belt shall be developed in 33% The PP have submitted approval of DFO regardin
of plant area as per the CPCB guidelines in the survey conducted to assess the number of tree
consultation with the DFO. planted and it is certified that 33% of total plant are
of 72.84 hectares i.e. equal to 24.04 ha have bee
developed as green belt and a total 59,895 seedling
have already been planted in the project site.
(xiv) All the recommendations made in the Charter on Corporate Responsibility for Environmenta
Corporate Responsibility for Environment Protection (CREP) Charter recommendations for
Protection (CREP) for the Steel Plants should be steel plants are strictly followed.
implemented.
(xv) All the commitments made to the public during the With the appropriate budget, all of the
Public Hearing/ Public Consultation meeting held commitments made to the public during the Public
on10th December, 2009 should be satisfactorily Hearing/Public Consultation have bee
implemented and a separate budget for implemented.
implementing the same should be allocated and
information submitted to the Ministry's Regional

	Office at Bhubaneswar.	
(xvi)	At least 5% of the total cost of the project should	This condition is complied with.
	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	
	should be ensured accordingly in a time bound	
	manner. Occupational Health data for the last 3	
	years has to be submitted to the Ministry.	
(xvii)	The company shall provide housing for	The company is now in operational phase and
	construction labour within the site with all	hence it is not applicable.
	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.	

В.	GENERAL CONDITIONS:	COMPLIANCE CONDITIONS:				
(0i)	The project authorities must strictly adhere to the	In addition, the West Bengal State Pollution				
	stipulations made by the West Bengal State	Control Board stipulations are strictly followed. Al				
	Pollution Control Board and the State	the conditions made in the Environmenta				
	Government.	Clearance are followed. Consent to Operate				
		obtained from WBPCB is attached as Annexure				
		11.				
(ii)	No further expansion or modifications in the plant	Plant modifications and expansions will not be				
	shall be carried out without prior approval of the	carried out without approval from the Ministry of				
	Ministry of Environment and Forests.	Environment and Forests.				
(iii)	The gaseous emissions from various process	Gaseous emissions from different process units				
()	units shall conform to the load / mass based	comply with the prescribed standards.				
	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.	
(iv)	At least four ambient air quality monitoring	A regular ambient air quality measurement is
	stations should be established in the downward	conducted within the plant premises at selected
	direction as well as where maximum ground level	locations.
	concentration of PM_{10} , SO_2 and NO_x are	The measured data for PM ₁₀ , SO ₂ , NOx are attached
	anticipated in consultation with the SPCB .Data	as annexures and are also sent to the Ministry.
	on ambient air quality and stack emission shall be	Installation and Commissioning of the four
	regularly submitted to this Ministry including its	CAAQMS have already completed.
	Regional Office at Bhubaneswar and the	
	SPCB/CPCB once in six months.	
(v)	Industrial wastewater shall be properly collected,	The plant has been designed as zero discharge plant.
	treated so as to conform to the standards	The entire treated waste water, is recycled for
	prescribed under GSR 422 (E) dated 19 th May,	various purposes inside the plant. Industrial
	1993 and 31 st December, 1993 or as amended	wastewater is collected as per norms and treated as
	form time to time. The treated wastewater shall be	per the compliance condition.
	utilized for plantation purpose.	
(vi)	The overall noise levels in and around the	Monitoring of overall noise levels at and around the
	plant area shall be kept well within the standards	plant has been conducted and all values have been
	(85 dBA) by providing noise control measures	found to be acceptable. Latest noise monitoring
	including acoustic hoods, silencers, enclosures	reports are attached as Annexure 12 .
	etc, on all sources of noise generation. The	
	ambient noise levels should conform to the	
	standards prescribed under EPA Rules, 1989 viz.	
	75dBA (day time) and 70 dBA (night time).	
(vii)	Occupational health surveillance of the workers	In the plant, occupational health surveillance is
	shall be done on a regular basis and records	conducted on a timely basis, and all records are kept
	maintained as per the Factories Act.	in a logbook.
(viii)	The company shall develop surface water	Rain water harvesting structure is already present
	harvesting structures to harvest the rain water	Within the factory premises for utilization in the
	for utilization in the lean season besides	lean season besides recharging the ground water
	recharging the ground water table.	table.
		Photographs are attached.
L		

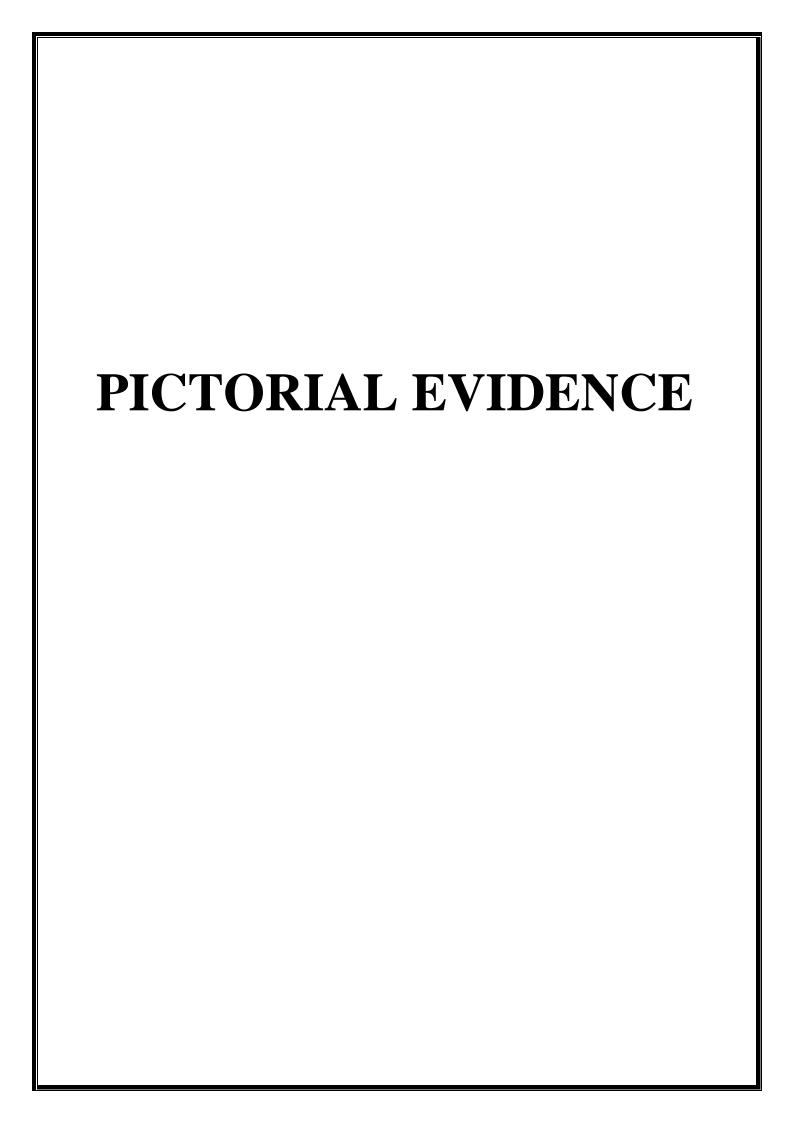
(ix)	The project proponent shall also comply with all	The EIA/EMP report recommends the
	the environment protection measures and	implementation of all environmental protection
	safeguards recommended in the EIA/EMP report.	measures and safeguards. Various socio-economic
	Further, the company must undertake socio-	development activities are undertaken in the
	economic development activities in the	surrounding villages like community development
	surrounding villages like community	programmes, educational programmes, drinking
	development programmes, educational	water supply, health care, etc.
	programmes, drinking water supply, health care,	
	etc.	
(x)	Requisite amount shall be earmarked towards	A sufficient amount of fund has been set aside for
	capital cost and recurring cost/annum for	pollution control measures.
	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	Clearance letter has been sent to the concerned local
	proponent to concerned Panchayat, Zila Parishad	bodies. A copy of EC is attached as Annexure 13 .
	/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.	
(xii)	The project proponent shall upload the status	Complied with.
	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 SPCB. The criteria pollutant levels	
	namely; PM ₁₀ , SO ₂ , 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	Project proponent submits both hard and soft
	monthly reports on the status of the compliance of	copies of six monthly compliance report to the
	the stipulated environmental conditions including	authorized Govt. body.
	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	Project proponent submits the environmental
	year ending 31st March in Form-V as is	statement for each financial year ending 31st March
	mandated to be submitted by project proponent to	in Form-V.
	the concerned State Pollution Control Board as	
	prescribed under the Environment (Protection)	
	Rules, 1986, as amended subsequently, shall also	
	be put on the website of the company along with	
	the status of compliance of environmental	
	conditions and shall also be sent to the respective	
	Regional Office of the MoEF at Bhubaneswar by	
	e-mail.	
(xv)	The Project Proponent shall inform the public that	Complied with.
	the project has been accorded environmental	
	clearance by 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	
	newspaper that are widely circulated in the region	
	of whichone 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.	

Six Monthly C	Compliance 1	Report
(April 2022 -	September	2022)

JAI BALAJI INDUSTRIES LIMITED- UNIT III

(X	(vi	Project authorities shall inform the Regional	Complied with.
		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.	



Ambient Air Quality Monitoring









Stack Gas Monitoring









Work Zone Air Monitoring









Noise Monitoring







Effluent water collection





Drinking water collection



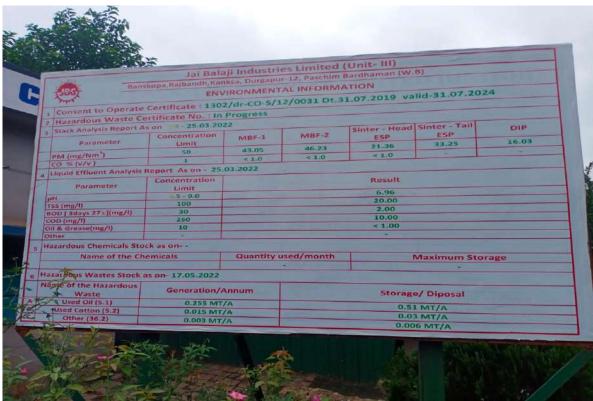
Green Belt development





Industrial Safety





CAAQMS





ANNEXURE 1





FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)				Type of Industry	:	: Steel Plant				
Address	Address : Banskopa, Rajbandh, Durgapur, Paschim Burdw			m Burdwan,	Sampling Date	:	12.09.2022					
		Pin - 71	321	3212			Period of analysis	:	17.09.2022 - 20.09.2022			2022
							Date of Issue	:	22.09	9.2022		
Sampling Plan &	. Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	oling Method and Plan	:	No	Type of	:	Stack
						Sample		Emission				
Sample ID No. : ENV/67/Sep./A/I Report No. : ENV/67/Sep./TR(A)/I/22-23						23						

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Head E.S.P (Sinter Plant)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	100.0
Materials of Construction	:	Concrete	Stack I.D. at sampling point (mtr.)	:	6.70
Capacity	:	60 m ²	Height of sampling port (mtr.) (from G.L.)	:	24.0
Emission Due to	:	Combustion of B. F. Gas			
Fuel Used	:	B. F. Gas	Permanent Platform & Ladde	r	: Yes
Working Fuel	:	3000 - 3500 Nm ³ /hr.			
Consumption					
Pollution Control Device	:	E.S.P			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	129.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon		751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		8.46	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	:	752166.51	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	21.49	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	6.4	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	:	16.56	50.0
	Particulate Matter	Maria .	3685/D 3685M-98 (reapproved 2005):			
		700	Sec. 11 (Vol. 3 11.07): 2011			

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

: N.A. means Not Available.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

Hand

Dr. AJOY PAUL Quality Manager

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





FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it# III)		Ту	pe of Industry		Steel Plant				
Address	:	Banskoj	oa,	Rajbandh, Durga _l	pur, Paschi	im Burdwan,	Sai	npling Date	:	12.09.2022				
		Pin - 71	32	12			Per	riod of analysis	:	17.09.2022 - 20.09.2022				
							Da	te of Issue	:	22.09.2022				
Sampling Plan 8	k Pr	ocedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan			:	No	Type of	:	Stack		
									. 2	0.00	Sample		Emission	
Sample ID No. : ENV/67/Sep./A/II Report No. : ENV/67/Sep./TR(A)/II/22-23														

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Tail E.S.P (Sinter Plant)						
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	50.	0		
Materials of Construction	:	Concrete	Stack I.D. at sampling point (mtr.)	:	3.5	0		
Capacity	:	60 m ²	Height of sampling port : 20.0 (mtr.) (from G.L.)					
Emission Due to	:	During Processing (Cooling of Sinter)						
Fuel Used	:	N.A.	Permanent Platform & Ladder		:	Yes		
Working Fuel	:	Nil						
Consumption								
Pollution Control Device	:	E.S.P				•		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	103.0	N.A.
2.	Barometric Pressure	mm of Hg.	-	:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	10.04	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	264375.59	N.A.
5.	Concentration of	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	19.18	50.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) :			
		100	Sec. 11(Vol. 3 11.07) : 2011			

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

N.A. means Not Available.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

Dr. AJOY PAUL

Quality Manager

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





Name of the Industry	:	Jai Balaj	alaji Industries Ltd. (Unit # III)						Plant					
Address	:	Banskop	oa,	Rajbandh, Durgaj	our, Paschi	m Burdwan,	San	npling Date	:	12.09.2022				
		Pin - 71	32	12			Per	iod of analysis	:	17.09	17.09.2022 - 20.09.2022			
							Dat	e of Issue		22.09.2022				
Sampling Plan &	k Pro	ocedure	:	ENV/SOP/01	Deviation	Deviation from the Sampling Method and Plan			:	No	Type of	:	Stack	
											Sample		Emission	
Sample ID No. : ENV/67/Sep./A/III Report No. : ENV/67/Sep./TR(A)/III/22-23														

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Stove of MBF (No.1) (MBF Division)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	50.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.37
Capacity (MBF Stove)	:	42000 Nm ³ /hr.	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 & Ladden	r	: Yes
Working Fuel	:	16000 - 18000 Nm ³ /hr.			
Consumption					
Pollution Control Device	:	G.C.P consists of Dust Catcher, Satur	ator, Venturi Scrubber & Cyclone Separator	•	

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	230.0	N.A.
2.	Barometric Pressure	mm of Hg.	Million and the same of the sa	:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	11.47	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	. :	102534.72	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	24.33	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	:	21.78	50.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
		700	Sec. 11 (Vol. 3 11.07) : 2011			

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

: N.A. means Not Available.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

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





Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)					Type of Industry	:	Steel Plant			
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschi	m Burdwan,	Sampling Date	:	12.09.2022			
		Pin - 713212					Period of analysis	:	17.09.2022 - 20.09.2022			
							Date of Issue	:	22.09.2022			
Sampling Plan &	Pr	ocedure		ENV/SOP/01	Deviation	n from the Samp	oling Method and Plan	:	No	Type of	:	Stack
									Sample		Emission	
Sample ID No. : ENV/67/Sep./A/IV Report No. : ENV/67/Sep./TR(A)/IV/22-23												

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Stove of MBF (No.2) (MBF Division)	22			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	50.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.3	7
Capacity (MBF Stove)	:	42000 Nm ³ /hr.	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 & Ladde	r	:	Yes
Working Fuel	:	16000 - 18000 Nm ³ /hr.	-		•	
Consumption						
Pollution Control Device	:	G.C.P consists of Dust Catcher, Saturator, Ven	nturi Scrubber & Cyclone Separator	•		·

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	220.0	N.A.
2.	Barometric Pressure	mm of Hg.	Marian and the second s		751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	1 :	12.26	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	:	111751.37	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	<u> </u>	23.70	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	<1.0	1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	26.01	50.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec			
			11(Vol. 3 11.07) : 2011			

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

: N.A. means Not Available.

Reviewed By:

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it# III)		Ty	oe of Industry	:	Steel	Steel Plant			
Address	:	Banskoj	oa,	Rajbandh, Durgaj	our, Paschi	im Burdwan,	Sar	npling Date	••	12.09.2022				
		Pin - 71	32	12			Pei	riod of analysis	••	17.09.2022 - 20.09.2022			2022	
							Da	e of Issue	: 22.09.2022					
Sampling Plan 8	k Pr	ocedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan			Method and Plan	:	No	Type of	:	Stack	
										0.67	Sample		Emission	
Sample ID No.	ENV/67	/Se	ep./A/V		Report No.	:	ENV/67/Sep./TR	(A)	/V/22-	-23				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (DIP Division) (3 nos.)				
Shape of Stack	:	Circular	Circular Height of Stack (mtr.) (from G. L.)			
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.0	
Capacity	:	20 TPD x 3	D x 3 Height of sampling port (mtr.) (from G.L.)			
Emission Due to	:	Melting of Scrap, Hot Metal				
Fuel Used	:	N.A. (Electricity Operated)	Permanent Platform & Ladder	•	:	Yes
Working Fuel	:					
Consumption						
Pollution Control Device	:	Bag Filter	The second secon			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	63.0	N.A.
2.	Barometric Pressure	mm of Hg.) :	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		9.51	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	23544.12	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	16.71	50.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec			
		70	11(Vol. 3 11.07) : 2011			

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

N.A. means Not Available.

Reviewed By:

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	i In	dustries Ltd. (Un	it# III)		Type of Industry	:	Steel	Steel Plant			
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschi	m Burdwan,	Sampling Date	:	12.09.2022				
		Pin - 71	321	12			Period of analysis	:	17.09	17.09.2022 - 20.09.2022			
							Date of Issue	:	: 22.09.2022				
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation	n from the Samp	oling Method and Plan	:	No	Type of	:	Stack	
										Sample		Emission	
Sample ID No.	:	ENV/67	'/Se	p./A/VI		Report No.	: ENV/67/Sep./TR	R(A)	/VI/22	2-23			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Magnesium Converter (DIP)			
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.)	:	0.60
Capacity	:	60 TPD	Height of sampling port (mtr.) (from G.L.)	:	20.0
Emission Due to	:	During Processing of Hot Metal			
Fuel Used	:	N.A. (Electricity Operated)	Permanent Platform & Ladde	r	: Yes
Working Fuel	:				
Consumption					
Pollution Control Device	:	Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	70.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second	:	751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		8.72	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	:	7613.18	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	21.76	25.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec			
		700	11(Vol. 3 11.07) : 2011			

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

: N.A. means Not Available.

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





FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	i In	dustries Ltd. (Un	it# III)		Тур	e of Industry	:	Steel Plant			
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschi	im Burdwan,	San	ipling Date	:	12.09.2022			
		Pin - 71	321	12			Per	iod of analysis	:	17.09.2022 - 20.09.2022			2022
							Date of Issue : 22.09.2022						
Sampling Plan 8	k Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	oling l	Method and Plan	:	: No Type of : Stack			Stack
						_	_		- 12	0.0	Sample		Emission
Sample ID No. : ENV/67/Sep./A/VII						Report No.	:	ENV/67/Sep./TR	(A)	/VII/2	2-23		•

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Annealing Furnace (DIP)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	36	.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.6	Ó
Capacity	:	40 Ton/hr.	Height of sampling port (mtr.) (from G.L.)	:	12	.2
Emission Due to	:	Combustion of B. F. Gas				
Fuel Used	:	B. F. Gas	Permanent Platform & Ladde	r	:	Yes
Working Fuel Consumption	:	16000 Nm ³ /hr.				•
Pollution Control Device	:	Nil				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	141.0	N.A.
2.	Barometric Pressure	mm of Hg.	The same of the sa		751.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		11.92	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)		8620.62	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003		18.78	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	-:	8.4	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		19.15	25.0
	Particulate Matter	No.	3685/D 3685M-98 (reapproved 2005):			
		700	Sec. 11 (Vol. 3 11.07) : 2011			

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

: N.A. means Not Available.

Reviewed By:

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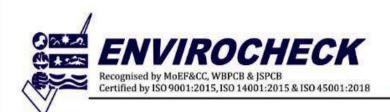
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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi





FORMAT	NO .	FNV	/FM	/38
IUMMAI	wo.	LIVV	/ 1 1/1	/ 20

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it# III)		Тур	oe of Industry	:	Steel Plant			
Address	:	Bansko	oa, l	Rajbandh, Durgaj	our, Paschi	m Burdwan,	San	npling Date		13.09.2022			
		Pin - 71	321	12			Per	iod of analysis	:	17.09.2022 - 20.09.2022			
							Dat	e of Issue	:	: 22.09.2022			
Sampling Plan 8	ն Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	Method and Plan	:	No	Type of	:	Stack
				. 0				- 3	8.0	Sample		Emission	
Sample ID No. : ENV/67/Sep./A/VIII						Report No.	:	ENV/67/Sep./TR	(A)	/VIII/2	22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Zinc Coating - No.1 (DIP)				
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30	0.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.4	40
Capacity	:	125 TPH	Height of sampling port (mtr.) (from G.L.)	:	10	0.67
Emission Due to	:	During Processing				
Fuel Used	:	N.A.	Permanent Platform & Ladde	:	:	Yes
Working Fuel	:	Nil				
Consumption						
Pollution Control Device	:	Cyclone Separator & Bag Filter				·

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS: 11255 (Part 1)	:	58.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		8.61	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	42500.24	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	12.59	25.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
		700	Sec. 11 (Vol. 3 11.07) : 2011			

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

: N.A. means Not Available.

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # III)		Тур	e of Industry	:	Steel			
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschin	n Burdwan,	San	npling Date	:	13.09.2022			
		Pin - 71	321	12			Per	iod of analysis	:	17.09	17.09.2022 - 20.09.2022		
							Dat	e of Issue	:	22.09	9.2022		
Sampling Plan 8	k Pr	ocedure	::	ENV/SOP/01	Deviation from the Sampling Method and Plan			Method and Plan	:	No	Type of	:	Stack
											Sample		Emission
Sample ID No. : ENV/67/Sep./A/IX						Report No.	:	ENV/67/Sep./TR	(A)	/IX/22	2-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Zinc Coating - No.2 (DIP)				
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.)	:	1.4	10
Capacity	:	65 TPH	Height of sampling port (mtr.) (from G.L.)	:	10	.67
Emission Due to	:	During Processing				
Fuel Used	:	N.A.	Permanent Platform & Ladde	r	:	Yes
Working Fuel	:	Nil				
Consumption						
Pollution Control Device	:	Cyclone Separator & Bag Filter				

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)		54.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	<u>_</u> :	8.58	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	42870.22	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	11:	14.28	25.0
	Particulate Matter	The state of the s	3685/D 3685M-98 (reapproved 2005):			
		70	Sec. 11 (Vol. 3 11.07) : 2011			

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

: N.A. means Not Available.

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it# III)		Type of Industry	:	Steel Plant					
Address	:	Bansko	pa, I	Rajbandh, Durgaj	our, Paschi	m Burdwan,	Sampling Date	:	13.09	13.09.2022				
		Pin - 71	321	12			Period of analysis	:	17.09.2022 - 20.09.2022			2022		
							Date of Issue	:	22.09	9.2022				
Sampling Plan &	. Pr	ocedure		ENV/SOP/01	Deviation	n from the Samp	oling Method and Plan	:	No	Type of	:	Stack		
										Sample		Emission		
Sample ID No.	:	ENV/67	'/Se	p./A/X		Report No.	: ENV/67/Sep./TF	R(A)	/X/22	-23				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Zinc Coating - No.3 (DIP)				
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.)	:	1.4	10
Capacity	:	25 TPH	Height of sampling port (mtr.) (from G.L.)	:	10	.67
Emission Due to	:	During Processing				
Fuel Used	:	N.A. (Electricity Operated)	Permanent Platform & Ladde	r	:	Yes
Working Fuel	:	-				
Consumption						
Pollution Control Device	:	Cyclone Separator & Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	oC	IS: 11255 (Part 1)	. :	59.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	<u> :</u>	8.09	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	39813.16	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	15.59	25.0
	Particulate Matter	No.	3685/D 3685M-98 (reapproved 2005):			
		70	Sec. 11 (Vol. 3 11.07) : 2011			

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

: N.A. means Not Available.

Reviewed By:

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # III)		Ту	oe of Industry	:	Steel Plant					
Address	:	Bansko	nskopa, Rajbandh, Durgapur, Paschim Burdwan, Sampling Date : 13.09.2022												
		Pin - 71	32	12			Per	riod of analysis	:	17.09	17.09.2022 - 20.09.2022				
							Da	te of Issue	:	22.09.2022					
Sampling Plan 8	k Pro	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	Method and Plan	:	No	Type of	::	Stack		
									Emission						
Sample ID No.	:	ENV/67	/Se	ep./A/XI		Report No.	:	ENV/67/Sep./TR	R(A)	/XI/22	2-23				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Zinc Coating – No.4 (DIP)				
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.)	:	1.4	0
Capacity	:	20 TPH	Height of sampling port (mtr.) (from G.L.)	:	10.	67
Emission Due to	:	During Processing				
Fuel Used	:	N.A.	Permanent Platform & Ladder	•	:	Yes
Working Fuel	:	Nil				
Consumption						
Pollution Control Device	:	Cyclone Separator & Bag Filter				•

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	62.0	N.A.
2.	Barometric Pressure	mm of Hg.	-		752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)		9.26	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	:	40290.03	N.A.
5.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	1	11.26	25.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005):			
		700	Sec. 11 (Vol. 3 11.07) : 2011			

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

N.A. means Not Available.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

Dr. AJOY PAUL

Quality Manager

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Bala	i In	dustries Ltd. (Un	it# III)		Type of Indu	stry	:	Steel Plant					
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschi	m Burdwan,	Sampling Dat	æ	:	13.09	13.09.2022				
		Pin - 71	321	12			Period of ana	lysis	:	17.09.2022 - 20.09.2022			2022		
							Date of Issue		:	22.09	9.2022				
Sampling Plan 8	k Pr	ocedure	::	ENV/SOP/01	Deviation	n from the Samp	oling Method a	nd Plan	:	No	Type of	:	Stack		
											Sample		Emission		
Sample ID No.	:	ENV/67	'/Se	p./A/XII		Report No.	: ENV/67	/Sep./TR	(A)	/XII/2	2-23				

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G 82.5 KVA (MBF) (Acoustic Enclosure att	ached)		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	4.57
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.10
Capacity	:	82.5 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 & Ladde	r	: No
Working Fuel	:	10 - 12litr./hr.	and the same of th		
Consumption					
Pollution Control Device	:	Nil			

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	128.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second	:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	15.58	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	1:	325.97	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	23.79	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	6.2	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	:	21.60	150.0
	Particulate Matter	No.	3685/D 3685M-98 (reapproved 2005):			
		796	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:

DURBADAL CHAKRABORTY
Dy. Quality Manager

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Quality Manager

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	ai Balaji Industries Ltd. (Unit # III)					e of Industry	:	Steel	Plant		
Address	:	Bansko	oa, l	Rajbandh, Durgaj	our, Paschi	m Burdwan,	San	npling Date		13.09.2022			
		Pin - 71	13212				Per	iod of analysis	:	17.09.2022 - 20.09.2022			
							Dat	e of Issue	:	22.09.2022			
Sampling Plan 8	ն Pr	ocedure	:	ENV/SOP/01	Deviation	Deviation from the Sampling Method and Plan			:	No	Type of	:	Stack
									- 33	1.0	Sample		Emission
Sample ID No.	Sample ID No. : ENV/67/Sep./A/XIII Report No. : ENV/67/Sep./TR(A)/XIII/22-23												

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G. – 500 (SMS)						
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	10.	.0		
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.2	54		
Capacity	:	500 KVA	Height of sampling port : Fi (mtr.) (from G.L.)					
Emission Due to	:	Combustion of H.S.D						
Fuel Used	:	H.S.D	Permanent Platform & Ladder	r	:	No		
Working Fuel	:	60 – 70litr./hr.						
Consumption		A county to the	The second secon					
Pollution Control Device	:	Nil						

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	260.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second second		752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	17.24	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)		1738.70	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	77.34	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	8.2	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	:	71.83	150.0
	Particulate Matter	The same of the sa	3685/D 3685M-98 (reapproved 2005):			
		700	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:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

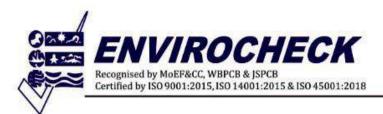
Dr. AJOY PAUL Quality Manager

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FORMAT NO: ENV/FM/38

Name of the Industry	:	Jai Balaj	ji In	dustries Ltd. (Un	it# III)		Ту	pe of Industry	:	Steel Plant			
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschi	m Burdwan,	Sai	npling Date		13.09.2022			
		Pin - 71	3212				Pe	riod of analysis	:	17.09.2022 - 20.09.2022			
							Da	te of Issue	:	22.09.2022			
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation	Deviation from the Sampling Method and Plan				No	Type of	:	Stack
										1.0	Sample		Emission
Sample ID No. : ENV/67/Sep./A/XIV Report No. : ENV/67/Sep./TR(A)/XIV/22-23													

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G 500KVA (DIP) (Acoustic Er	nclosure attached)						
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.)	:	: 0.254				
Capacity	:	500 KVA	Height of sampling port (mtr.) (from G.L.)	Final Exhaust					
Emission Due to	:	Combustion of H.S.D							
Fuel Used	:	H.S.D	Permanent Platform & Ladden	ſ	:	No			
Working Fuel Consumption	:	50 – 60 litr./hr.							
Pollution Control Device	1:	Nil							

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	оС	IS : 11255 (Part 1)	:	269.0	N.A.
2.	Barometric Pressure	mm of Hg.	The second secon	:	752.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	:	16.69	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	1:	1655.43	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	75.63	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	8.4	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	1:	68.22	150.0
	Particulate Matter	No.	3685/D 3685M-98 (reapproved 2005):			
	700	700	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:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

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ANNEXURE 2





FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	ai Balaji Industries Ltd. (Unit # III) Type of Industry : Steel Plant										
Address	:	Banskoj	oa,	Rajbandh, Durgaj	pur, Pasch	im Burdwan,	San	npling Date	:	12.09.2022 - 13.09.2022			
		Pin - 71	32	12		Per	iod of analysis	••	17.09.2022 - 20.09.2022				
							Dat	e of Issue	••	22.09	9.2022		
Sampling Plan &	Sampling Plan & Procedure : ENV/SOP/01 De				Deviation	Deviation from the Sampling Method and Plan				No	Type of Sample	:	Ambient Air
Sample ID No.													

A] GENERAL INFORMATION

Location of Sampling
 Near Security Barrack (Eastern Side)
 Duration of Sampling
 24 hrs. (09:00 a.m. – 09:00 a.m.)

B] <u>METEOROLOGICAL INFORMATION</u>

Average Temperature (°C) : 26.0
 Average Relative Humidity (%) : 80.0
 Barometric Pressure (mm of Hg) : 751.0

4. Smell or Odour : No Remarkable Smell5. Weather Condition : Mostly Cloudy

C] RESULTS

۷,	REDUETO				
SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.69	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2006	89.12	100.0
3.	Concentration of SO_2	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	18.08	80.0
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	38.50	80.0
			reapproved 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:

DURBADAL CHAKRABORTY
Dy. Quality Manager

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it # III)		Тур	e of Industry	:	Steel	Plant		
Address	:	Bansko	oa, l	Rajbandh, Durgaj	our, Paschi	m Burdwan,	San	ipling Date		12.09	9.2022 - 13	.09.	2022
		Pin - 71	ı – 713212					iod of analysis		17.09.2022 - 20.09.2022			
							Dat	e of Issue		22.09	9.2022		
Sampling Plan &	Sampling Plan & Procedure : ENV/SOP/01 [Deviation from the Sampling Method and Plan				No	Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/67	/Se	ep./A/XVI		Report No.	:	ENV/67/Sep./TR	(A)	/XVI/2	22-23		

A] GENERAL INFORMATION

Location of Sampling
 Near Samadhi Area (Northern Side)
 Duration of Sampling
 24 hrs. (09:30 a.m. - 09:30 a.m.)

B] <u>METEOROLOGICAL INFORMATION</u>

1.Average Temperature (°C): 26.02.Average Relative Humidity (%): 80.03.Barometric Pressure (mm of Hg): 751.0

4. Smell or Odour : No Remarkable Smell5. Weather Condition : Mostly Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.	10000				
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	54.84	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2006	84.12	100.0
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	16.47	80.0
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	36.19	80.0
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

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

Reviewed By:

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it#III)		Тур	e of Industry	:	Steel Plant			
Address	:	Banskoj	oa, l	Rajbandh, Durgaj	pur, Pasch	im Burdwan,	San	ipling Date		13.09	9.2022 - 14	.09.	2022
		Pin - 71	32	12			Per	iod of analysis	: 17.09.2022 - 20.09.2022				2022
							Dat	e of Issue	:	22.09.2022			
Sampling Plan &	. Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	oling	Method and Plan		No	Type of	::	Ambient Air
										1.0	Sample		
Sample ID No.	:	ENV/67	/Se	ep./A/XVI		Report No.	:	ENV/67/Sep./TR	(A)	/XVI/2	22-23		-

A] GENERAL INFORMATION

1. Location of Sampling : Near Rain Water Harvesting Pond (Southern Side)

2. Duration of Sampling : 24 hrs. (09:20 a.m. – 09:20 a.m.)

B] <u>METEOROLOGICAL INFORMATION</u>

1.Average Temperature (°C): 27.02.Average Relative Humidity (%): 78.03.Barometric Pressure (mm of Hg): 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.	10000				
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.87	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2006	80.67	100.0
3.	Concentration of SO_2	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	11.85	80.0
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	28.60	80.0
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

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

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FORMAT NO: ENV/FM/37

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it# III)		Ty	oe of Industry	:	Steel	Plant		
Address	:	Banskop	oa, I	Rajbandh, Durgaj	pur, Paschi	im Burdwan,	Sar	npling Date		13.09.2022 - 14.09.2022			
		Pin - 71	32	12			Period of analysis : 17.09.2022 - 20.09.202				2022		
							Da	te of Issue		: 22.09.2022			
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	Method and Plan	:	No	Type of	:	Ambient Air
										0.00	Sample		
Sample ID No. : ENV/67/Sep./A/XVIII						Report No.	:	ENV/67/Sep./TR	(A)	/XVIII/	/22-23		

A] GENERAL INFORMATION

1. Location of Sampling : Near Worker's Canteen (Western Side)

2. Duration of Sampling : 24 hrs. (09:50 a.m. – 09:50 a.m.)

B] <u>METEOROLOGICAL INFORMATION</u>

Average Temperature (°C) : 27.0
 Average Relative Humidity (%) : 78.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Cloudy

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.	0003				
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L	51.68	60.0
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2006	84.07	100.0
3.	Concentration of SO_2	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	9.24	80.0
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	26.52	80.0
			reapproved 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:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

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FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it# III)		Ту	pe of Industry	:	Steel	Plant		
Address	:	Bansko	pa, l	Rajbandh, Durgaj	our, Paschi	im Burdwan,	Sa	mpling Date	:	12.09.2022			
		Pin - 71	32	12		Pe	riod of analysis	:	17.09.2022 - 20.09.2022				
							Da	ite of Issue	:	22.09.2022			
Sampling Plan &	& Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	g Method and Plan	:	No	Type of	:	Work Zone
							Sample Air			Air			
Sample ID No.	1:	ENV/67	'/Se	p./A/XIX		Report No.	:	ENV/67/Sep./TR	(A)	/XIX/2	22-23		

GENERAL INFORMATION A]

Inside the Sinter Plant Area 1. Location of Sampling

08 hrs. (10:00 a.m. - 06:00 p.m.) 2. **Duration of Sampling**

B] **METEOROLOGICAL INFORMATION**

Average Temperature (°C) 28.0 1. Average Relative Humidity (%) 2. 84.0 Barometric Pressure (mm of Hg)

Smell or Odour 4. No Remarkable Smell

RESULT C]

3.

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	μg/m³	NIOSH 0500 : 1994	426.03	5000.0
Rema	rks : Limit as per the Factory -	- 1948.			

751.0

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FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji	Ind	lustries Ltd. (Un	it # III)		Тур	e of Industry	:	Steel	Plant		(F)
Address	:	Banskopa	a, R	ajbandh, Durgap	our, Paschi	m Burdwan,	San	npling Date	:	12.09	9.2022		
10.00		Pin - 713	in – 713212					iod of analysis	:	17.09.2022 - 20.09.2022			
							Dat	e of Issue	:	22.09	9.2022		
Sampling Plan &	l Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	Method and Plan	:	No	Type of	:	Work Zone
										AT .	Sample		Air
Sample ID No.	:	ENV/67/	'Sep	o./A/XIX		Report No.	:	ENV/67/Sep./TR	R(A)	/XIX/2	22-23		

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Sinter Plant Area

2. Duration of Sampling : 08 hrs. (10:00 a.m. – 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 28.0
 Average Relative Humidity (%) : 84.0
 Barometric Pressure (mm of Hg) : 751.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO. 1.	Concentration of RPM	μg/m ³	IS 5182 (PART 23) : 2006	211.78	N.A.
2.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	21.70	N.A.
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
3.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	26.84	N. <mark>A.</mark>
			2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

Dr. AJOY PAUL Quality Manager

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





FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	i In	dustries Ltd. (Un	it# III)		Тур	oe of Industry	:	Steel	Plant		
Address	:	Banskoj	oa,	Rajbandh, Durgaj	our, Paschi	im Burdwan,	Sar	npling Date		12.09	9.2022		
		Pin - 71	32	12			Per	iod of analysis	alysis : 17.09.2022 - 20.09.2022				2022
							Dat	e of Issue	:	: 22.09.2022			
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	Method and Plan		No	Type of	:	Work Zone
											Sample		Air
Sample ID No. : ENV/67/Sep./A/XX						Report No.	:	ENV/67/Sep./TR	(A)	/XX/22	2-23		

A] GENERAL INFORMATION

1. Location of Sampling : Inside the MBF Area

2. Duration of Sampling : 08 hrs. (10:30 a.m. – 06:30 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 30.0
 Average Relative Humidity (%) : 76.0

3. Barometric Pressure (mm of Hg) : 751.0

4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	μg/m³	NIOSH 0500 : 1994	340.60	5000.0

Remarks : Limit as per the Factory - 1948.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

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Dr. AJOY PAUL Quality Manager

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FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji I	Jai Balaji Industries Ltd. (Unit # III)				e of Industry	:	Steel	Plant		(F)
Address		Banskopa	Rajbandh, Durga	San	npling Date	:	12.09	9.2022				
10.00		Pin - 7132	Pin - 713212			Per	iod of analysis	:	17.09.2022 – 20.09.2022			
						Dat	e of Issue	:	22.09	9.2022	4	
Sampling Plan &	l Pr	ocedure :	ENV/SOP/01	Deviation	from the Samp	ling	Method and Plan	:	No	Type of	::	Work Zone
							Ďį.	Sample		Air		
Sample ID No. : ENV/67/Sep./A/XX Report No. : ENV					ENV/67/Sep./TR	(A)	/XX/22	2-23				

A] GENERAL INFORMATION

1. Location of Sampling : Inside the MBF Area

2. Duration of Sampling : 08 hrs. (10:30 a.m. – 06:30 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 30.0
 Average Relative Humidity (%) : 76.0
 Barometric Pressure (mm of Hg) : 751.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	μg/m ³	IS 5182 (PART 23) : 2006	162.03	N.A.
2.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	14.46	N.A.
			reapproved 2007: Sec. 11 (Vol. 11.07) : 2011		
3.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	24.92	N. <mark>A.</mark>
	· /\b		reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

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FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	ai Balaji Industries Ltd. (Unit # III)				Ty	oe of Industry	:	Steel	Plant			
Address	:	Bansko	skopa, Rajbandh, Durgapur, Paschim Burdwan,				Sar	npling Date		13.09	13.09.2022			
		Pin - 71	n – 713212				Pei	riod of analysis	••	17.09.2022 – 20.09.2022				
							Da	te of Issue	••	22.09.2022				
Sampling Plan &	k Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	Method and Plan		No	Type of	:	Work Zone	
											Sample		Air	
Sample ID No.	:	ENV/67	7/Sep./A/XXI Report No.				:	ENV/67/Sep./TR	V/67/Sep./TR(A)/XXI/22-23					

A] GENERAL INFORMATION

1. Location of Sampling : Inside the DIP Plant Area

2. Duration of Sampling : 08 hrs. (10:20 a.m. – 06:20 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 27.0
 Average Relative Humidity (%) : 80.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	μg/m³	NIOSH 0500 : 1994	410.54	5000.0

Remarks : Limit as per the Factory - 1948.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

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FORMAT NO : ENV/FM/57

Name of the Industry	:	Jai Balaji	Jai Balaji Industries Ltd. (Unit # III)					pe of Industry	:	Steel	Plant		(F)
Address	:	Banskop	anskopa, Rajbandh, Durgapur, Paschim Burdwan,					mpling Date		13.09	2022 2022 – 20.09.2022		
(5.14)		Pin - 713	Pin - 713212				Pe	riod of analysis	••	17.09.2022 - 20.09.2022			
							Da	te of Issue		22.09.2022			
Sampling Plan &	Pr	ocedure		ENV/SOP/01	Deviation	n from the Sam	oling	Method and Plan		No	Type of	:	Work Zone
								Or .	Sample		Air		
Sample ID No. : ENV/67/Sep./A/XXI Report No. : ENV						ENV/67/Sep./TR	(A)	/XXI/2	22-23				

A] GENERAL INFORMATION

1. Location of Sampling : Inside the MBF Area

2. Duration of Sampling : 08 hrs. (10:20 a.m. – 06:20 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 27.0
 Average Relative Humidity (%) : 80.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	μg/m³	IS 5182 (PART 23) : 2006	230.82	N.A.
2.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	18.08	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	28.04	N. <mark>A.</mark>
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

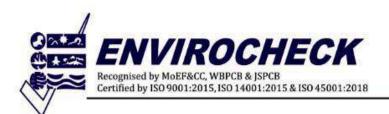
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FORMAT NO: ENV/FM/57

Name of the Industry	:	Jai Balaj	[ai Balaji Industries Ltd. (Unit # III)				Ty	oe of Industry	:	Steel	Plant			
Address	:	Bansko	skopa, Rajbandh, Durgapur, Paschim Burdwan,				Sar	npling Date		13.09	13.09.2022			
		Pin - 71	- 713212				Pei	iod of analysis	:	17.09.2022 - 20.09.2022				
							Da	te of Issue	:	22.09.2022				
Sampling Plan 8	l Pr	ocedure	:	ENV/SOP/01	Deviation	n from the Samp	ling	Method and Plan		No	Type of	:	Work Zone	
										8.0	Sample		Air	
Sample ID No.	:	ENV/67	7/67/Sep./A/XXI Report No.				:	ENV/67/Sep./TR	57/Sep./TR(A)/XXI/22-23					

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Raw Materials Handling Area

2. Duration of Sampling : 08 hrs. (10:50 a.m. – 06:50 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 27.0
 Average Relative Humidity (%) : 84.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

Cl RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	μg/m³	NIOSH 0500 : 1994	430.10	5000.0

Remarks : Limit as per the Factory - 1948.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

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FORMAT NO: ENV/FM/57

Name of the	:	Jai Balaji Iı	ndustries Ltd. (Un	it # III)	1 300	Typ	e of Industry	:	Steel	Plant		
Industry												71
Address	:	Banskopa,	Rajbandh, Durgaj	m Burdwan,	San	ipling Date	:	13.09	9.2022			
100		Pin - 7132	Pin - 713212			Per	iod of analysis	:	17.09.2022 – 20.09.2022			
						Dat	e of Issue		22.09	9.2022		10
Sampling Plan 8	k Pr	ocedure :	ENV/SOP/01	Deviation	from the Samp	ling	Method and Plan	:	No	Type of	::	Work Zone
							OF .	Sample		Air		
Sample ID No. : ENV/67/Sep./A/XXI Report N					Report No.	:	ENV/67/Sep./TR	(A)	/XXI/2	22-23		•

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Raw Materials Handling Area

2. Duration of Sampling : 08 hrs. (10:50 a.m. – 06:50 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 27.0
 Average Relative Humidity (%) : 84.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	μg/m ³	IS 5182 (PART 23) : 2006	216.50	N.A.
2.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	10.85	N.A.
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011		
3.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91	24.92	N. <mark>A.</mark>
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011		

Remarks : N.A. means Not Available.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

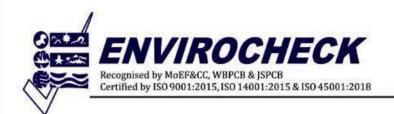
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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the	:	Jai Balaji Indust	ries Ltd. (Unit # III)			Type of Industry	:	Steel Plant
Industry								
Address	:	Banskopa, Rajba	andh, Durgapur, Pasch	im		Sampling Date	:	12.09.2022
		Burdwan, Pin -	713212			Period of Analysis	:	20.09.2022 - 26.09.2022
						Date of Issue	:	28.09.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	j	Surface Water
Location : 1	Raiı	n Water Collection	n Pond			Report No. : El	NV/	7500/TR(W)/M/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	рН	4500 H+B APHA 23rd Edition, 2017	-	7.11
2.	Total Suspended Solids	2540 D APHA 23rdEdition, 2017	mg/l	24.0
3.	Oil & Grease	5520 B/D APHA 23rdEdition, 2017	mg/l	<1.0
4.	Dissolved Oxygen	APHA 23 rd Ed., 4500 - O-C: 2017	mg/l	7.4
5.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	16.0
6.	Biochemical Oxygen Demand for 3 days at 27°C	5210 B APHA 23 rd Edition, 2017	mg/l	2.5
7.	Bio-Assey	IS 6582 Part 2 (2001) Reformed 2007	%	97.0

Reviewed By:

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(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Mark

(Dr. Ajoy Paul) (Quality Manger)

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the	:	Jai Balaji Industries I	td. (Unit # III)		Тур	oe of	Ind	ustry	:	Steel Plant		
Industry										- 40		
Address	:	Banskopa, Rajbandh,	Durgapur, Paschi	im Burdwan,	Sar	nplir	ng D	ate	:	12.09	.20	22
		Pin - 713212			Per	iod o	of A	nalysis	:	20.09	.202	22 - 26.09.2022
						te of	Issu	e	:	28.09	.202	22
Sampling Plan	:	ENV/SOP/01	Deviation from t	the Sampling	:	No)	Type of	San	nple	:	Raw Water
& Procedure			Method and Plan					11.11		9		
Location	:	ADDA Pipe Line Supp	pply Report No.			:	EN	VV/500A,	/TR	(W)/M	/22	-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	рН	APHA 23 rd Ed., 4500-H+B : 2017	mg/l	6.92
2.	Total Hardness	APHA 23 rd Ed., 2340 C : 2017	mg/l	70.5
3.	Chloride	APHA 23 rd Ed.,4500 Cl -B/D : 2017	mg/l	24.2
4.	Iron	APHA 23 rd Ed., 3111B : 2017	mg/l	0.25
5.	Turbidity	APHA 23 rd Ed., 2130 B : 2017	mg/l	<1.0
6.	Total Alkalinity	APHA 23 rd Ed., 2320 B: 2017	mg/l	78.0
7.	Nitrate	APHA 23 rd Ed., 4500 NO ₃ -E: 2017	mg/l	2.75
8	Total Suspended Solids	APHA 23 rd Ed., 2540 D : 2017	mg/l	<10.0
9.	Sulfate	APHA 23 rd Ed., 4500- SO ₄ ²⁻ E: 2017	mg/l	10.4
10.	COD	APHA 23 rd Ed., 5220- B/C/D : 2017	mg/l	<5.0
11.	BOD [3 Day's at 27°C]	APHA 23 rd Ed., 5210 – B : 2017	mg/l	<2.0
12.	Dissolved Oxygen	APHA 23 rd Ed., 4500 – OC : 2017	mg/l	5.80
13.	Total Dissolved Solids	APHA 23 rd Ed., 2540C : 2017	mg/l	512.0

Reviewed By:

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(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

But

(Dr. Ajoy Paul) (Quality Manger)

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FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry		Jai	Balaji Industries Ltd. (Unit # III)				pe of Inc	lustry	:	Steel P	lant	
Address	:	Ва	nskopa, Rajbandh, Durgapur, Paschim Burdwan,				mpling [)ate	:	13.09.2	2022	2
		Pir	n - 713212			Per	riod of A	nalysis	:	16.09.2	2022	2 - 21.09.2022
						Da	te of Issi	ue	:	23.09.2	2022	2
Sampling Plan &			ENV/SOP/01	Deviation from		:	No	Type o	f Sa	mple	:	Drinking Water
Procedure				Method and Pla	an					130		
Location :	N	1BF	Division Tap		ULR No.		: TC	6014220	000	00314F		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS	10500 : 2012)
					Acceptable	Permissible
1.	рН	IS 3025 (Part 11) : 1984, RA 2012		6.82	6.5-8.5	No Relaxation
2.	Total Hardness	IS 3025 (Part 21) : 2009, RA 2014	mg/l	420.0	200.0	600.0
3.	Calcium	IS 3025 (Part 40) : 1991, RA 2014	mg/l	116.23	75.0	200.0
4.	Magnesium	IS 3025 (Part 46) : 1994, RA 2014	mg/l	31.2	30.0	100.0
5.	Chloride	IS 3025 (Part 32) : 1988, RA 2014	mg/l	179.94	250.0	1000.0
6.	Iron	IS 3025(Part 53) : 2003, RA 2014	mg/l	0.49	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	36.50	200.0	400.0
9.	Total Dissolved Solids	IS 3025(Part 16) : 1984, RA 2014	mg/l	784.0	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	140.0	200.0	600.0
12.	Nitrate	IS 3025 (Part 34) : 1988, RA 2014	mg/l	2.50	45.0	No Relaxation
13.	Fluoride	IS 3025 (Part 60) : 2008, RA 2013	mg/l	<0.1	1.0	1.5
14.	Hexavalent Chromium	APHA 23 rd Ed., 3500 Cr. B : 2017	mg/l	<0.1	N.A.	N.A.
15.	Zinc	IS 3025 (Part 49) : 1994, RA 2014	mg/l	0.017	5.0	15.0

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

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

INDRANI BHATTACHARYA
 Dy. Technical Manager, Chemical

Indraui Bhallacharyya

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FORMAT NO.ENV/FM/55

TEST REPORT

Name of the	:		Jai	Balaji Industries	Ltd. (Unit # III)		Ту	pe c	of Ind	ustry	:	Steel Plant		
Industry														
Address	:		Ba	nskopa, Rajbandh	, Durgapur, Pasc	him Burdwan,	Sa	mpl	ing D	ate	:	13.09.2	202	2
			Pir	n - 713212			Period of Analysis			nalysis	:	16.09.2	202	2 - 21.09.2022
									Date of Issue			23.09.2	202	2
Sampling Plan &			:	ENV/SOP/01	Deviation from	the Sampling	:	N	lo	Type o	f Sa	mple	:	Drinking Water
Procedure	ocedure Method and Plan				10									
Location : MBF Division Tap ULR No.			ULR No.			TCe	014220	000	00314F	•				

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	810.0	N.A.	N.A.
2.	Dissolved Oxygen	APHA 23rd Ed., 4500 O-C: 2017	mg/l	7.5	N.A.	N.A.
3.	COD	APHA 23 rd Ed., 5220 B/C/D : 2017	mg/l	<5.0	N.A.	N.A.
4.	BOD [3 Day's at 27°C]	APHA 23 rd Ed., 5210 B: 2017	mg/l	<2.0	N.A.	N.A.
5.	Chromite		mg/l	BDL	N.A.	N.A.
6.	Conductivity	APHA 23 rd Ed., 2510-B: 2017	μs/cm	1294.1		

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

b) N.A. means Not Available. c) BDL indicates Below Detection Limit.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indraui Blattacharyya

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





FORMAT NO. ENV/FM/55

TEST REPORT

Name of the	:	Jai	Balaji Industries I	Ltd. (Unit # III)		Тур	oe of Ind	lustry	:	Steel P	lant	į.
Industry										A		
Address	:	Ва	nskopa, Rajbandh	, Durgapur, Pascl	nim Burdwan,	San	npling D	ate	:	13.09.2	202	2
		Piı	n - 713212			Per	iod of A	nalysis	:	16.09.2	202	2 - 17.09.2022
						Dat	e of Issu	ıe	:	23.09.2	202	2
Sampling Plan &		:	ENV/SOP/01	Deviation from		:	No	Type o	f Sa	mple	:	Drinking Water
Procedure				Method and Pla	an			- 2				
Location :	I	MBF	Division Tap	7	ULR No.	-1	: TC6	014220	000	00314F		

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

Remarks: a) CFU indicates Colony Forming Unit.

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

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

PRIYANKA MUKHERJEE Technical Manager, Microbiology

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





FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry	:	Jai	Balaji Industries Ltd. (Unit # III)				pe of l	Industry	:	Steel P	lant	
Address	:	Ва	nskopa, Rajbandh, Durgapur, Paschim Burdwar				mplin	g Date	:	13.09.2	202	2
		Pir	n - 713212			Per	riod o	f Analysis	:	16.09.2	202	2 - 21.09.2022
							te of I	ssue	:	23.09.2	202	2
Sampling Plan & Procedure		:	ENV/SOP/01	Deviation from Method and Pla		:	No	Type	of Sa	mple	:	Drinking Water
Location :	(ante	een Tap	•	Report No.		: I	ENV/314A	/TR	(W)/M/2	22-2	23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS	MIT (IS 10500 : 2012)		
					Acceptable	Permissible		
1.	рН	IS 3025 (Part 11) : 1984, RA 2012		6.80	6.5-8.5	No Relaxation		
2.	Total Hardness	IS 3025 (Part 21) : 2009, RA 2014	mg/l	520.0	200.0	600.0		
3.	Calcium	IS 3025 (Part 40) : 1991, RA 2014	mg/l	110.50	75.0	200.0		
4.	Magnesium	IS 3025 (Part 46) : 1994, RA 2014	mg/l	154.71	30.0	100.0		
5.	Chloride	IS 3025 (Part 32) : 1988, RA 2014	mg/l	160.50	250.0	1000.0		
6.	Iron	IS 3025(Part 53) : 2003, RA 2014	mg/l	0.46	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	38.0	200.0	400.0		
9.	Total Dissolved Solids	IS 3025(Part 16) : 1984, RA 2014	mg/l	750.0	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	150.0	200.0	600.0		
12.	Nitrate	IS 3025 (Part 34) : 1988, RA 2014	mg/l	2.80	45.0	No Relaxation		
13.	Fluoride	IS 3025 (Part 60) : 2008, RA 2013	mg/l	<0.1	1.0	1.5		
14.	Hexavalent Chromium	APHA 23 rd Ed., 3500 Cr. B : 2017	mg/l	<0.1	N.A.	N.A.		
15.	Zinc	IS 3025 (Part 49) : 1994, RA 2014	mg/l	0.48	5.0	15.0		

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

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

INDRANI BHATTACHARYA
 Dy. Technical Manager, Chemical

Indraui Bhallacharyya

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FORMAT NO.ENV/FM/55

TEST REPORT

Name of the	:	Jai	Balaji Industries	Ltd. (Unit # III)		Ту	pe c	f Ind	ustry	:	Steel Plant		
Industry		E											
Address	:	Ва	anskopa, Rajbandh, Durgapur, Paschim Burdwan,			Sampling Date			ate	:	13.09.2022		
		Piı	Pin - 713212			Period of Analysis			nalysis	:	16.09.2	202	2 - 21.09.2022
								Date of Issue			23.09.2	202	2
Sampling Plan &			ENV/SOP/01	Deviation from	the Sampling	1:_	N	lo	Type o	f Sa	mple	:	Drinking Water
Procedure Method and Plan													
Location : Canteen Tap Report No.			Report No.	N	:	ENV	//314A/	TR(W)/M/2	22-2	23		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 1	0500 : 2012)
					Acceptable	Permissible
1.	Total Solids	APHA 23rd Ed., 2540 B: 2017	mg/l	760.0	N.A.	N.A.
2.	Dissolved Oxygen	APHA 23rd Ed., 4500 O-C: 2017	mg/l	6.2	N.A.	N.A.
3.	COD	APHA 23 rd Ed., 5220 B/C/D: 2017	mg/l	<5.0	N.A.	N.A.
4.	BOD [3 Day's at 27°C]	APHA 23rd Ed., 5210 B: 2017	mg/l	<2.0	N.A.	N.A.
5.	Chromite	The state of the s	mg/l	BDL	N.A.	N.A.
6.	Conductivity	APHA 23 rd Ed., 2510-B: 2017	μs/cm	1062.5		

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

b) N.A. means Not Available. c) BDL indicates Below Detection Limit.

Reviewed By:

DURBADAL CHAKRABORTY Dy. Quality Manager Approved By:

INDRANI BHATTACHARYA Dy. Technical Manager, Chemical

Indraui Blattacharyya

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

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the	:	Jai	Balaji Industries I	td. (Unit # III)		Typ	pe of Ind	lustry	:	Steel P	lant	į.
Industry										- 40		
Address	:	Ва	nskopa, Rajbandh,	Durgapur, Pascl	nim Burdwan,	Sampling Date				13.09.2022		
		Piı	n - 713212			Per	riod of A	nalysis	:	16.09.2	202	2 - 17.09.2022
						Dat	te of Issu	ıe	:	23.09.2	202	2
Sampling Plan &		:	ENV/SOP/01	Deviation from	the Sampling	:	No	Type o	f Sa	mple	:	Drinking Water
Procedure			-	Method and Pla	an			1				
Location :	(Cant	een Tap	7	Report No.		: EN	V/314A/	TR(W)/M/2	22-2	23
LL_	-											

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

Remarks: a) CFU indicates Colony Forming Unit.

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

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

PRIYANKA MUKHERJEE Technical Manager, Microbiology

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LECHATE STUDY REPORT

1.	Name of the Industry		Jai Balaji Industries Ltd. (Unit – III)
2.	Address	:	Vill. – Banskopa, P.O. – Rajbandh, P.S. – Kanksa, Dist. – Paschim Bardhaman, Pin – 713212
3.	Date of sampling	:	12.09.2022
4.	Report No.	:	ENV/500B/TR(W)/M/22-23
5.	Reporting date		28.09.2022
6.	Type of sample		Surface Water
7.	Location		Rain Water Collection Pond

7.	PARAMETERS (mg/lt.)									
Fe.	<u>Zn.</u>	Cr.	<u>Cr.+6</u>	<u>Cu</u>	<u>Ni</u>	<u>Pb</u>	<u>Cd</u>	Mn.		
0.92	1.15	0.96	<0.1	0.45	0.15	<0.005	<0.002	0.28		

Reviewed By:

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(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Berl

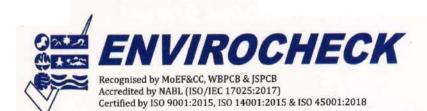
(Dr. Ajoy Paul) (Quality Manger)

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Name of the		Jai Balaji Indust	ries Ltd. (Unit # III)		Туј	pe of	Indu	stry	:	Steel Pl	ant	t
Industry												
Address	:	Banskopa, Rajba	andh, Durgapur,		Sar	nplin	g Dat	te	:	12.09.2	02	2
		Paschim Burdw	an, Pin - 713212		Per	riod c	of Ana	alysis	:	20.09.2	02	2 - 26.09.2022
	T ₂	17.1			Dat	te of 1	Issue		:	28.09.2	02	2
Sampling Plan	:	ENV/SOP/01	Deviation from the			:	No	Туре	of	Sample	:	Slag
& Procedure		-0.00	Sampling Method ar	nd Pla	an			2				
Location	:	DIP Induction F	urnace	Rep	ort	No.		ENV/5	000	C/TR(S)/	M(i)/22-23

<u>Sl.</u>	<u>PRAMETERS</u>		RESULTS
No.			
1.	Total Chromium (mg./kg.)	:	<0.02
2.	Lead (mg./kg.)	:	1.10
3.	Arsenic (mg./kg.)	:	<0.1
4.	Mercury (mg./kg.)	:	<0.01
5.	Cadmium (mg./kg.)	:	1.80
6.	Barium (mg./kg.)	:	<1.0
7.	Selenium (mg./kg.)		<0.1
8.	Silver (mg./kg.)	:	<0.1

Reviewed By:

3 stato

(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Mark

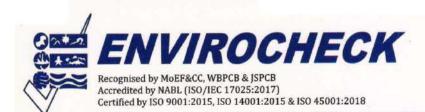
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Name of the	:	Jai Balaji Indust	ries Ltd. (Unit # III)		Ty	pe of I	ndu	stry	:	Steel Pl	ant	-
Industry												
Address	:	Banskopa, Rajba	andh, Durgapur,		Sar	npling	g Da	te	:	12.09.2	02	2
		Paschim Burdw	an, Pin - 713212		Pei	riod of	An	alysis	:	20.09.2	02	2 - 26.09.2022
	1	100			Da	te of I	ssue	<u>;</u>	:	28.09.2	:02	2
Sampling Plan	:	ENV/SOP/01	Deviation from the			:	No	Туре	of	Sample	:	Slag
& Procedure		-	Sampling Method ar	ıd Pl	an			1				
Location	:	DIP Mg Convert	er DVS Analysis	port	No.	:	ENV/5	000	TR(S)/	M(i	ii)/22-23	

<u>Sl.</u>	PRAMETERS		RESULTS
No.			
1.	Total Chromium (mg./kg.)		<0.02
2.	Lead (mg./kg.)	:	1.20
3.	Arsenic (mg./kg.)		<0.1
4.	Mercury (mg./kg.)		<0.01
5.	Cadmium (mg./kg.)		1.60
6.	Barium (mg./kg.)	:	<1.0
7.	Selenium (mg./kg.)		<0.1
8.	Silver (mg./kg.)		<0.1

Reviewed By:

Journal

(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Mark

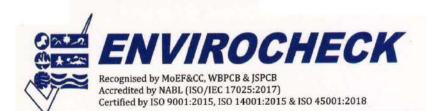
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Name of the	:	Jai Balaji Indust	ries Ltd. (Unit # III)		Туј	oe of l	ndu	stry	:	Steel Pl	ant	t
Industry												
Address	:	Banskopa, Rajba	andh, Durgapur,		Sar	nplin	g Da	te	:	12.09.2	02	2
		Paschim Burdw	an, Pin - 713212		Per	iod o	f Ana	alysis	:	20.09.2	02	2 - 26.09.2022
		100			Dat	te of I	ssue		:	28.09.2	02	2
Sampling Plan	:	ENV/SOP/01	Deviation from the			:	No	Туре	of	Sample	:	Slag
& Procedure		-0.00	Sampling Method ar	ıd Pl	an			- 1				
Location	:	DIP Zinc Coating	g Dust	Rep	ort	No.	:	ENV/5	000	C/TR(S)/	M(iii)/22-23

<u>Sl.</u>	PRAMETERS		RESULTS
No.			
1.	Total Chromium (mg./kg.)		<0.02
2.	Lead (mg./kg.)	:	1.60
3.	Arsenic (mg./kg.)	:	<0.1
4.	Mercury (mg./kg.)	:	<0.01
5.	Cadmium (mg./kg.)	5	1.40
6.	Barium (mg./kg.)	:	<1.0
7.	Selenium (mg./kg.)		<0.1
8.	Silver (mg./kg.)	:	<0.1

Reviewed By:

3 alakot

(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Berl

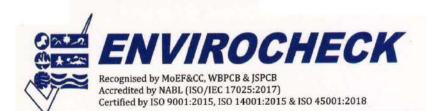
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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi









Name of the		Jai Balaji Indust	ries Ltd. (Unit # III)		Тур	oe of	Indu	stry	:	Steel Pl	ant	t
Industry												
Address	:	Banskopa, Rajba	andh, Durgapur,		San	nplin	g Da	te	:	12.09.2	02	2
		Paschim Burdw	an, Pin - 713212		Per	iod o	f Ana	llysis	:	20.09.2	02	2 - 26.09.2022
	1.	17.1			Dat	te of l	ssue		: 1	28.09.2	02	2
Sampling Plan	:	ENV/SOP/01	Deviation from the			:	No	Туре	of	Sample	:	Slag
& Procedure			Sampling Method ar	nd Pla	an			3				
Location	:	MBF Slag		Rep	ort	No.		ENV/5	000	C/TR(S)/	M(iv)/22-23

<u>Sl.</u>	<u>PRAMETERS</u>		RESULTS
No.			
1.	Total Chromium (mg./kg.)	:	<0.02
2.	Lead (mg./kg.)	:	1.50
3.	Arsenic (mg./kg.)	:	<0.1
4.	Mercury (mg./kg.)	:	<0.01
5.	Cadmium (mg./kg.)	:	1.10
6.	Barium (mg./kg.)	:	<1.0
7.	Selenium (mg./kg.)		<0.1
8.	Silver (mg./kg.)	:	<0.1

Reviewed By:

Beento

(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Berl

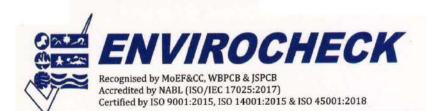
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Name of the	:	Jai Balaji Industries Ltd. (Unit # III)			Type of Industry			:	Steel Pl	ant	-	
Industry												
Address	:	Banskopa, Rajba	anskopa, Rajbandh, Durgapur,			Sampling Date				12.09.2022		
		Paschim Burdw	an, Pin - 713212		Period of Analysis			:	20.09.2022 - 26.09.2022			
	1	100			Date of Issue			:	28.09.2	:02	2	
Sampling Plan	:	ENV/SOP/01	Deviation from the	•		:	No	Туре	of	Sample	:	Slag
& Procedure		-	Sampling Method ar	ıd Pl	an							
Location	:	MBF Ladle Crus	sher Material Rep			port No. : ENV/5			500C/TR(S)/M(v)/22-23			

<u>Sl.</u>	PRAMETERS		RESULTS
No.			
1.	Total Chromium (mg./kg.)	:	<0.02
2.	Lead (mg./kg.)	:	1.30
3.	Arsenic (mg./kg.)		<0.1
4.	Mercury (mg./kg.)	:	<0.01
5.	Cadmium (mg./kg.)	:	1.40
6.	Barium (mg./kg.)	:	<1.0
7.	Selenium (mg./kg.)		<0.1
8.	Silver (mg./kg.)	:	<0.1

Reviewed By:

Journal

(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Mark

(Dr. Ajoy Paul) (Quality Manger)

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Name of the	÷	Jai Balaji Industries Ltd. (Unit # III)			Type of Industry			:	Steel Pl	ant	-	
Industry												
Address	:	Banskopa, Rajba	Banskopa, Rajbandh, Durgapur,			Sampling Date			:	12.09.2022		
		Paschim Burdw	ran, Pin - 713212		Period of Analysis			:	20.09.2022 - 26.09.2022			
	1	100			Date of Issue			:	28.09.2	202	2	
Sampling Plan	:	ENV/SOP/01	Deviation from the			:	No	Туре	of	Sample	:	Slag
& Procedure			Sampling Method ar	nd Pl	an							
Location	:	MBF Thickner	Re			port No. : ENV/5			00C/TR(S)/M(vi)/22-23			

<u>Sl.</u>	PRAMETERS		RESULTS
No.			
1.	Total Chromium (mg./kg.)		<0.02
2.	Lead (mg./kg.)	:	1.60
3.	Arsenic (mg./kg.)		<0.1
4.	Mercury (mg./kg.)		<0.01
5.	Cadmium (mg./kg.)		1.40
6.	Barium (mg./kg.)	:	<1.0
7.	Selenium (mg./kg.)		<0.1
8.	Silver (mg./kg.)		<0.1

Reviewed By:

3 alako

(Durbadal Chakraborty) (Dy. Quality Manager) Approved By:

Bul

(Dr. Ajoy Paul) (Quality Manger)

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

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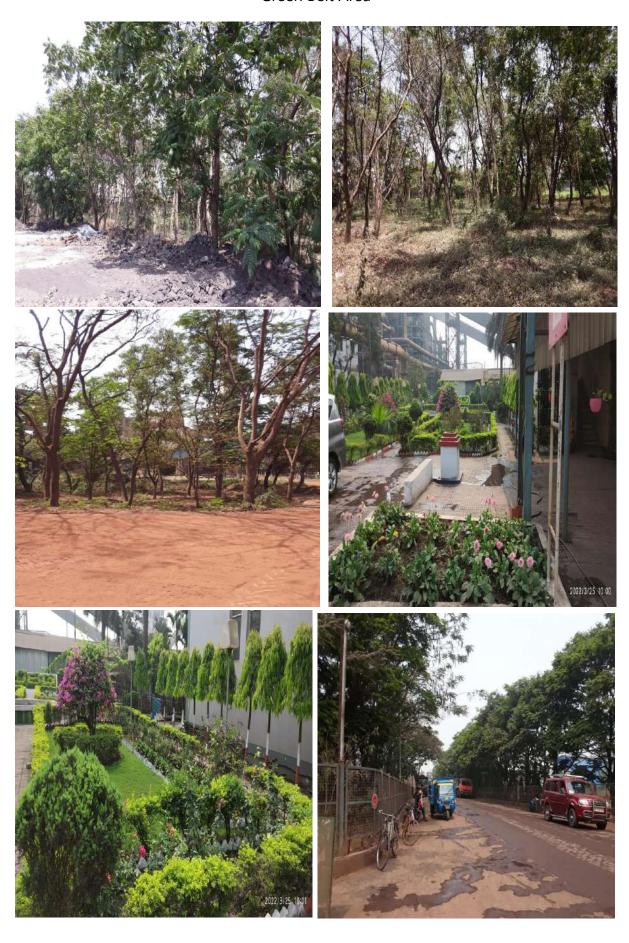
Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi

GREEN BELT AREA HAVING TREES @1500/HECTARE

SL NO.	Location	Area in	No. of Tree					
SL NO.	Location	Hectare	@1500/Hectare.					
A	N.H-2 Road(DIP Plant) side	3.635	5452					
В	DIP PLANT (East Side)	3.175	4762					
С	SINTER PLANT (East Side)	0.657	986					
D	IRON ORE WASHING PLANT (South Side)	2.101	3152					
E	RAW MATERIAL YARD (South Side)	2.039	3060					
F	SINTER PLANT (West Side)	1.386	2080					
G	WATER RESERVOIR (West Side)	1.371	2056					
Н	SMS (West Side)	0.808	1212					
I	DI PIPE STORAGE YARD & SWITCH YARD	0.971	1457					
J	TRUCK PARKING	0.315	474					
K	CYCLE STAND	0.411	617					
L	BOUNDARY WALL (West Side)	1.341	2012					
	Total	18.21	27320					
GREEN BELT AREA HAVING TREES @2500/HECTARE								
SL NO.	Location	Area in	No. of Tree					
	Location	Hectare	@2500/Hectare.					
M	RESERVOIR, (East Side)	5.830	14575					
	TOTAL GREEN BELT @ 33%	24.040	41895					

^{33 %} Green Belt development has been completed.

Green Belt Area



ANNEXURE 11

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number: C0123325

Memo Number: 1302/do-co-s/12/0031.

Date: 31/07/2019.

Consent to Operate

under

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

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to:
Jai Balajin Industries Minited (Duit II)
(Address of Regd. office/Head/Office/City Office)
(hereinafter referred to as Applicant) for its unit located at WIRI - Bonsko pa.,
P.O-Rajsandh, P.S-Kanksa, Parethim Bardhaman-
713212
(Detailed address of the manufacturing unit)
for a period from 0108 2019 to 3107 2024
to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.
Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.
The State Board reserve the right to revoke, withdraw or make any reasonable variation/change/alter the conditions of this consent letter giving one month's notice to the applicant. The Duit phould comply with all the terms and conditions of the pulated in the Environmental Clearance and Consent the Establish. Compliance Report in respect of Environmental Clearance of Environmental Clearance of Environmental Clearance.
For and on behalf of the State Board (Member Secretary/Chief Engr./ Sr. Env. Environmental Engineer Durgapur Regional Office West Bengal Pollution Control Board

ANNEXURE

Consent to	Jai Balazi Industries	Limited (Unit III)
for its unit	at VIPT- Bomstopa, Pro-	Rajsondh.
Pr	S- Kanksa, Pasclim Ban	dhaman - 713212
Conditions		
01. Th	is Consent is valid for the manufacture of:-	
Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Bitlet	37500MT
02	DI Pipes	SIOTOMT
03	PIG Iron & Hot Metal	42000MT
04	Sinter _	50688MT
05	VPSO WEST BEN	GEOMT
06	ASU	3360MT
07	Gramulated Stag Boloduct)	16800MT
08	Ferro Wartage Scrab Bro Product	2600MT
09		
10		In the second
11		
12	一 一	
02. The A	pplicant shall remain responsible for quantity and quality	f liquid effluent and air emissions
	discharge of industrial liquid effluent shall not exceed	
04. Daily	discharge of domestic liquid effluent shall not exceed	80 m
	discharge of mixed (industrial & domestic) liquid effluent	
06. The A _L	oplicant shall discharge liquid effluent to	A o drania (plans of disalan)
through	h nos. outlets / outfalls.	(place of discharge)
07. To brin	g into any altered or new outlet/outfall or to change the plac ard and obtain prior permission of the Board in this effect.	e of discharge, the Applicant shall have to inform
08. The Apwaste	oplicant shall provide comprehensive facility for treatment (sewage, sullage and liquid effluent generated from consulty so that the quality of final effluent conforms to the State of the	t of industrial liquid waste and domestic liquid
W	(Member Secretary/Ghie	Environmental Engineer Fengr. / Sr. Env Engr. / Env Regional Office (Control Board) West Bengal Pollution Control Board

Continued.....

or its unit	at Viff	Bala-ji Industrie - Banskopa, P.O Ra Bardhaman - 71321	Jeandh, P.S-K	anksa
		Table-I		
Outlet	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
61	Domestic	рН	Between: Sisto 910	Yearsly
UL	DOMONIA	Total Suspended Solids	Not to exceed: 100 mg/1.	9
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/1.	
-		Chemical Oxygen Demand	Not to exceed: 250mg/1.	
		Oil & Grease	Not to exceed: 10 mg/1.	
\				

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

•	Industrial cooling, spraying in mine pits and boiler feed water (Water used for gardening should be included in this category	→ of use)	(Re-Circulated)	KL
	Domestic purpose	→	105,00	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.)

Durgapur Regional Office

West Bengal Pollution Control Board

Continued.......

Consent to Jai Balagi Industries Limited (Duit III)
for its unit at VIPF- Banskopa, Pro-Rajbandh, PS-Kanksa,
faclin Bardhaman - 713212

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

Table-II

Stack No.	Stack height from G.I., (in mts.)	Stack attached no (sources and control system. if any):	Volume Nm³/hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed Frequ of emis samp SPM CO (mg/Nm³) (%v/v)	ssion
S-I	~					
S-2			and and			
S-3						
S-4			A3 }	er f	nnexure I	_
S-5		3	1			
S-6						
S-7						
S-8						
S-9				,		
S-10						N

	(5)		
Consent to Jai Balaji In	dustries Lin	rited (Dmit	111)
for its unit at VIPP - Banskopa	P.O - P = 2	PIS-K	an Kca
			WYV V
Parollin Bardhama	m - 713212	_	

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

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	BF Gas	60,000,00 Nm3/ma	ty Sinter Plant, MBFA Anneali
02	Coke	30, 300 MT Mout	WMBFA. Sixter Plant.
03	Coke Breeze	finer - 2534Mt mou	th MBF& Sinter Plant
04	H ₅ D		Di'u sets
05			

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

Type of waste	Quantity	Treatment	D	isposal
	-000	oo Annexure	5	
X	171. 10			

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 vo	Limit in dB(A) L _{eq}
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.) Environmental Engineer

Durgapur Regional Office
West Bengal Pollution Control Board

Consent to Jai Balaji Industria Limited (Unit III)
for its unit at Vi FR-Banskopa, P.O-Rajlandh, P.S-Kanksa,
Pasclin Bardhaman - 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.
- 32. The Applicant shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
- 33. The Applicant shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The Applicant Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
- 34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
- 35. The Applicant shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
- 36. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989. valid public Additional Conditions companied against the public of the Consent way be serviced by the conditions of environmental for violation of environmental Engineers.

(Member Secretary/Chief Engr. Sr. Env. Engr. Environmental Engineer

Durgapur Regional Office
West Bengal Pollution Control Board

Annexure I of Consent to Operate SI. No. CO123325 of M/s. Jai Balaji Industries Limited (Unit III), located at Vill- Banskopa, P. O- Rajbandh, P. S-Kanksa, Paschim Bardhaman-713212

from CI	any)	Volume Nm ³ /hr	Velocity	Concentration not to exceed	Concentration of parameters not to exceed	aramete	SILS	Frequency of sampling
(in mts.)			gaseous emission (m/sec)	SPM (mg./	(\sqrt{\lambda}\sqrt{\lambda}\sqrt{\lambda}\)			
S-1 30.0	Arc Furnace (SMS Plant, Bag Filter)		(225)	50				
S-2 100.00	Sinter Machine (Head FSP)			2			1	Quarterly
S-3 50.00	Sinter Machine (Tail FCD)			20	ı	1	1	Quarterly
T	MRE I with Ctown (CCD Dard Cart.		1	20		1	1	Quarterly
T	MDF II '11 Stove (OCF, Dust Catcher)	1		50		1	1	Ouarterly
1	INIBF-II WITH STOVE (GCP, Dust Catcher)	1		50	-	1	1	Ouarterly
1	Induction Furnace (Bag Filter)	1		50	ı	1	1	Ouarterly
T	Magnesium Converter (Bag Filter)		1	25	-	,	1	Twice in a year
30,00	Annealing Furnace	1	ī	25	1	1	,	Twice in a year
T								
S-9 30.00	Zinc Coating Machine 1 (Bag Filter)			30			1	
S-10 30.00	Zinc Coating Machine 2 (Bao Filter)			C7	ı		1	Twice in a year
S-11 30.00	Zinc Coating Machine 2 (Dec Ellen)		1	57	1	,	1	Twice in a year
	Commis machine 3 (Dag Filler)	ı	ı	25		1	,	Twice in a year
S-12 30.00	Zinc Coating Machine 4 (Bag Filter)	1	1	25	r	-	,	Twice in a year
S-13 10.50	Diesel Generator Set of Canacity 2 x 500KVA			150		1		
S-14 10.50	Diecel Generator Cat of Consolter 1 00 COLLEGE		1	001	_		1	Yearly
1	Cresci Centenator Set of Capacity 1 x 82.30KVA	1	1	150	-			Vearly

For and on behalf of the Board

Glor Kells

(Member Secretary / Chief Engineer/Sr. Env. Engr./Env. Engr./Abfangine func. In Selember)

EnviroWest Bangwato White Control Board

Durgapur

Nest Bengal Pollution Control Board

Annexure II of Consent to Operate Sl. No. CO123325 of M/s. Jai Balaji Industries Limited (Unit III), located at Vill- Banskopa, P. O- Rajbandh, P. S- Kanksa, Paschim Bardhaman- 713212

SI. No.	Type of Waste	Quantity per month	Treatment	Disposal
1	DIP Scrap	1500MT	-	
2	SMS Slag	9075MT	-	
3	IF Slag	1050MT	_	
4	Sand & Cement	18MT	2	To be disposed off in
5	MBF Slag	275MT		environmentally safe
6	MBF Dust	1030MT		manner
7	DIP Zinc Dust	24MT		
8	DIP-Iron & MGO Dust	6MT		

For and on behalf of the Board

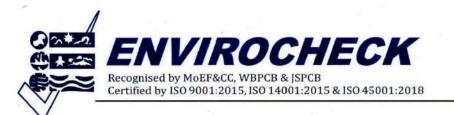
Member Secretary Chief Engineer Sr. Env. Engr./Env. Engr./Asst. Eng. Engr. / Ir. Scientist)

Environmental Pollution Control Board

Durgapur Regional Owner Board

West Bengal Pollution Control Board

ANNEXURE 12





TEST REPORT

1. N	lame of the	Industry	:	Jai Balaji Industrie		
2. A	ddress	Tale and the second sec	:	Village - Banskopa	, P.O - Rajbandh, Durg	apur, District - Burdwan, Pin
		98		713212		37.34
	'ype of Indu		:	Integrated Steel Pla	ant	31 31
		an & Procedure	:	ENV/SOP/02		A
	Deviation from the Sampling Method & Plan			No		# #
	ype of Sam	ple	:	Noise		
	ample ID		:	ENV/220/M/N		
	Report ID	and the same	:	ENV/220/M/(TR)N	N/1/22-23	
	ate of Stud		:	12/09/2022		
	Reporting D	ate	:	19/09/2022		
	lethod No.		:	IS: 9989 - 1981	19 中国 19 19 19	
				20 Minutes		
13 Height from Ground Level			:	4 feet	AN CONTRACTOR	
14. S	ample Mon		<u>:</u>	Mr. Biswarup Kund	du	
		RESULT OF NOISE	ELEV	EL STUDY		Time : 7:00 - 7:20 A.M
				DAY TIME		
1. Locat	ion : Truck	Movement Area (RM Yard)			Sample Code :	(ENV/NOISE/01/21-22)
Sl. No.	Unit	Minimum	I	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
01.	dB(A)	65.6		69.4	67.90	East Side
02.	dB(A)	63.2		68.5	66.61	West Side
03.	dB(A)	65.4		70.1	68.36	North Side
04.	dB(A)	63.8		71.8	69.43	South Side
			A	verage dB(A) Leq	68.07	

Revie wed By:

Dy. Quality Manager

Approved By:

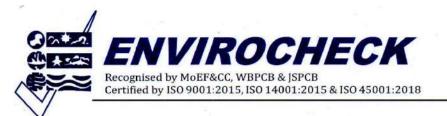
Quality Manager

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

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

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

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FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Indust	ries Ltd. (Unit # III)	W 8 27			
2.	Address		:	Village - Bansko 713212	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin 713212				
3.				: Integrated Steel Plant					
4.				ENV/SOP/02					
5.	Deviation fr	om the Sampling Method & Plan	:	No		. 2 2 1			
6.	Type of Sample			Noise	Noise				
7.	Sample ID			ENV/220/M/N	ENV/220/M/N				
8.				ENV/220/M/(TF	R)N/2/22-23				
9.	Date of Stud	y	:	12/09/2022	the state of the s				
10.	Reporting D	ate	:	19/09/2022					
11.	Method No.		:	IS: 9989 - 1981					
12.	2. Time of Duration of Noise			20 Minutes	SERVICE SERVICE				
13.	Height from	Ground Level	:	4 feet					
14.	Sample Mon	itoring by	:	Mr. Biswarup Kı	undu				
		RESULT OF NOI	SE LEV	VEL STUDY		Time: 7:30 - 7:50 A.M			
				DAY TIME					
2. Loca	ation : Betwo	een IOB Plant & Mobile Screen (R	M Yar	rd)	Sample Code :	(ENV/NOISE/02/21-22)			
Sl. No	. Unit	Minimum	1	Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
01.	dB(A)	67.4		72.2	70.43				
02.	dB(A)	68.4		74.5	72.44				
03.	dB(A)	66.0		70.1	68.52				
						1			

76.5

Average dB(A) Leq

Reviewed By:

04.

Dy Quality Manager

dB(A)

Hand

74.81

71.55

Quality Manager

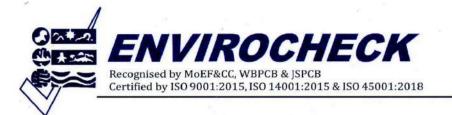
>End of Report<

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

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

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



80.4

79.3



FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industi	ries Ltd. (Unit # III)			
2.	Address		:	_	pa, P.O - Rajbandh, Durgapu	ır, District - Burdwan, Pin -		
	4			713212				
3.	Type of Indu	ıstry	:	Integrated Steel	Plant	ST 40		
4.	Sampling Pl	an & Procedure	:	ENV/SOP/02		22.		
5.	Deviation fr	om the Sampling Method & Pl	an :	No	No			
6.	Type of Sam	ple	:	: Noise				
7.	Sample ID		:	ENV/220/M/N				
8.	Report ID		:	ENV/220/M/(TF	R)N/3/22-23			
9.	9. Date of Study			12/09/2022				
10.				19/09/2022				
11.	1 0			IS: 9989 - 1981				
12.		ation of Noise		20 Minutes				
13.	Height from	Ground Level	:	4 feet	- TO			
14.	Sample Mon		1:	Mr. Biswarup Ku	ındu			
		RESULT OF I	NOISE LEV	EL STUDY		Time: 08:00 - 08:20 A.M		
				DAY TIME				
3. Lo	cation : Sinte	Machine - End 1 (Sinter Plan	ıt)		Sample Code : (EN	IV/NOISE/03/21-22)		
Sl. No	o. Unit	Minimum	Ŋ	Maximum Leq		Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	78.2		80.1	79.25	East Side		

82.3

83.6

83.9

Average dB(A) Leq

Reviewed By:

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

Approved By:

80.56

82.29

82.18

81.07

Quality Manager

West Side

North Side

South Side

>End of Report<

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

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

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





TEST REPORT

1. I	Name of the	Industry	: Jai Balaji Industries Ltd. (Unit # III)				
2.	Address	0	:		, P.O - Rajbandh, Durg	gapur, District - Burdwan, Pin -	
0 .				713212			
	Type of Indu		:	Integrated Steel Pla	int		
		an & Procedure	:			# 2	
		om the Sampling Method & Plan	:		79	· 40 (0)	
	Type of Sam	ple	:				
	Sample ID		:				
8. I	Report ID		:				
9. I	Date of Stud	y	:	12/09/2022			
10. I	Reporting D	ate	:	19/09/2022			
11. I	Method No.		:	IS: 9989 - 1981		A STATE OF THE STA	
12. 7	12. Time of Duration of Noise			20 Minutes			
13. I	13. Height from Ground Level :			4 feet			
14.	Sample Mon	itoring by	:	Mr. Biswarup Kund	u		
		RESULT OF NOIS	E LE	VEL STUDY		Time: 08:25 - 08:45 A.M	
				DAY TIME			
4. Loca	tion : Sinter	Machine - End 2 (Sinter Plant)			Sample Code	: (ENV/NOISE/04/21-22)	
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks	
		dB(A)		dB(A)	dB(A)		
01.	dB(A)	74.9		80.6	78.62	East Side	
02.	dB(A)	78.2		84.0	82.00	West Side	
03.	dB(A)	76.3		82.9	80.75	North Side	
04.	dB(A)	77.5		81.3	79.80	South Side	

Average dB(A) Leq

Reviewed By:

Dy. Quality Manager

Approved By:

80.29

Quality Manager

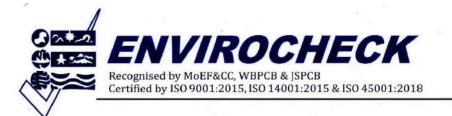
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Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889

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





TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industries	Ltd. (Unit # III)		
2.	Address	×	:		P.O - Rajbandh, Durg	gapur, District - Burdwan, Pin	
				713212			
	Type of Indu		:	Integrated Steel Plan	nt	37 47	
4.		an & Procedure	:	ENV/SOP/02		44 .	
5.		om the Sampling Method & Plan	:	No			
	Type of Sam	ple	:	Noise			
	Sample ID		:				
	Report ID		:	ENV/220/M/(TR)N/	/5/22-23		
9.	Date of Stud		:	12/09/2022	Andread Control of the Control	Sentil George	
10 .	Reporting D	ate	:	19/09/2022		1一	
11.	Method No.		:	IS: 9989 - 1981		20000	
12 .	Time of Dur	ation of Noise	:	20 Minutes			
13.	Height from	Ground Level	:	4 feet	ASP CONTRACTOR	Children Co.	
14.	Sample Mon	itoring by	:	Mr. Biswarup Kundı			
		RESULT OF NOISE	ELEV	EL STUDY		Time: 08:50 - 09:10 A.M	
				DAY TIME			
5. Loca	ation : PHC J-	2 Crusher Ground Floor (Sinter Pla	int)		Sample Code	: (ENV/NOISE/05/21-22)	
Sl. No.	. Unit	Minimum	ı	Maximum	Leq	Remarks	
		dB(A)		dB(A)	dB(A)		
01.	dB(A)	80.2		84.0	82.50	East Side	
02.	dB(A)	78.5		82.3	80.80	West Side	
03.	dB(A)	76.3		81.4	79.56	North Side	
04.	dB(A)	78.5		82.8	81.16	South Side	

Average dB(A) Leq

Reviewed By:

Dy. Quality Manager

Approved By:

81.00

Quality Manager

>End of Report<

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TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)		
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin -		
	3		713212		
3.	Type of Industry	:	Integrated Steel Plant		
4.	Sampling Plan & Procedure	:	ENV/SOP/02		
5.	Deviation from the Sampling Method & Plan	:	No		
6.	Type of Sample	:	Noise		
7.	Sample ID	:	ENV/220/M/N		
8.	Report ID	:	ENV/220/M/(TR)N/6/22-23		
9.	Date of Study	:	12/09/2022		
10.	Reporting Date	:	19/09/2022		
11.	Method No.	:	IS: 9989 - 1981		
12.	Time of Duration of Noise	:	20 Minutes		
13.	Height from Ground Level	:	4 feet		
14.	Sample Monitoring by	:	Mr. Biswarup Kundu		
	RESULT OF NOISE	ELEV	VEL STUDY Time: 09:15 - 09:35 A.M		
			DAYTIME		

DAY TIME

6. Location : PHC J-2 Crusher 1st Floor (Sinter Plant) Sample Code : (ENV/NOISE/06/21-22)

Sl. No.	Unit	Minimum	Maximum	Leq	Remarks
		dB(A)	dB(A)	dB(A)	
01.	dB(A)	76.2	78.5	77.50	East Side
02.	dB(A)	78.9	80.1	79.54	West Side
03.	dB(A)	76.8	81.3	79.61	North Side
04.	dB(A)	78.4	80.8	79.76	South Side
			Average dB(A) Leq	79.10	学

Reviewed Ry

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

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76.3

78.2



FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:		ies Ltd. (Unit # III)	
2.	Address	9 9	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin 713212		
3.	Type of Indu	istry	:	Integrated Steel Plant		
4.	Sampling Pl	an & Procedure	:	ENV/SOP/02		A STATE OF THE STA
5.	Deviation fr	om the Sampling Method & Pla	an :	No	The state of the s	F. 35.
6.	Type of Sam	ple	:	Noise		
7.	Sample ID		:	ENV/220/M/N		
8.	Report ID		:	ENV/220/M/(TR)N/7/22-23	
9.	Date of Stud	y	:	12/09/2022		No. To
10.	10. Reporting Date		:	19/09/2022		
11.	Method No.	THE RESERVE	:	IS: 9989 - 1981		
12.	Time of Dur	ation of Noise		20 Minutes	The second second	
13.	Height from	Ground Level	:	4 feet		
14.	Sample Mon	itoring by	:	Mr. Biswarup Ku	ndu	
		RESULT OF N	OISE LEV	EL STUDY		Time: 09:40 - 10:00 A.M
				DAY TIME		
7. Loc	ation : PHC J-	2 Crusher 2nd Floor (Sinter Pla	ant)		Sample Code : (EN	V/NOISE/07/21-22)
Sl. No	o. Unit	Minimum	N	Maximum Leq		Remarks
		dB(A)		dB(A)	dB(A)	
01.	dB(A)	73.2		80.6	78.32	East Side

81.8

82.8

82.3

Average dB(A) Leq

Reviewed By:

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

Approved By:

West Side

North Side

South Side

79.21

80.67

80.72

79.73

Quality Manager

>End of Report<

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TEST REPORT

1.	Name of the	Industry	:	: Jai Balaji Industries Ltd. (Unit # III)				
2.	Address		:	Village - Bansko 713212	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212			
3.	Type of Indu	istry	:	Integrated Steel	Plant	200		
4.	Sampling Pl	an & Procedure	:	ENV/SOP/02	ENV/SOP/02			
5.	Deviation fr	om the Sampling Method & Plan	:	No		. 2. 2		
6.	Type of Sam	ple	:	Noise		8 2		
7.	Sample ID		:	ENV/220/M/N		2 2 -		
8.	Report ID		:	ENV/220/M/(TI	R)N/8/22-23			
9.	Date of Stud	9	:	1 - 1 -	the state of the s			
10.	Reporting D	ate	:	19/09/2022	STATE VELSC BATTLES			
11.	Method No.	The second second	: IS: 9989 - 1981					
12.	Time of Dur	ation of Noise	:	20 Minutes				
13.	Height from	Ground Level	:		CONTROL OF THE PARTY OF THE PAR			
14.	Sample Mon		:	Mr. Biswarup Kı	undu			
		RESULT OF NOIS	SE LEV	VEL STUDY		Time: 10:10 - 10:30 A.M		
				DAY TIME				
8. Loc	ation : Disc F	eeder (Sinter Plant)			Sample Code :	(ENV/NOISE/08/21-22)		
Sl. No	. Unit	Minimum]	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	73.2		80.6	78.32	East Side		
02.	dB(A)	71.9		81.8	79.21	West Side		
03.	dB(A)	76.3		82.8	80.67	North Side		

82.3

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

78.2

Approved By:

South Side

80.72

79.73

Quality Manager

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TEST REPORT

	Name of the	Industry	:	Jai Balaji Industrie	es Ltd. (Unit # III)	
2. A	Address			Village - Banskopa 713212	n, P.O - Rajbandh, Durg	apur, District - Burdwan, Pin
3. T	Type of Indu	istry	:	Integrated Steel Pl	ant	
4. S	Sampling Pla	an & Procedure	:	ENV/SOP/02		S ST
		om the Sampling Method & Plan	:	No	10 S	
	Гуре of Sam	ple	:	Noise		
	Sample ID		:	1 -1 1		
	Report ID		:	ENV/220/M/(TR)	N/9/22-23	
9. I	Date of Stud	y Amedian and Amedian	:	12/09/2022		
	Reporting D	ate	:	.,,		an and the second
	Method No.		:		A CONTRACTOR OF THE PARTY OF TH	
			:	20 Minutes		
13. Height from Ground Level			:	4 feet		
14. S	Sample Mon		:	Mr. Biswarup Kun	du	age The Table
		RESULT OF NOIS	SE LEV	EL STUDY		Time : 10:40 - 11:00 A.M
				<u>DAY TIME</u>		
9. Locat	tion : B/T Pl	H and Head ESP (Sinter Plant)			Sample Code :	(ENV/NOISE/09/21-22)
Sl. No.	Unit	Minimum	I	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
01.	dB(A)	70.8		75.6	73.83	East Side
02.	dB(A)	72.4		78.5	76.44	West Side
03.	dB(A)	76.8		81.3	79.61	North Side
04.	dB(A)	74.9		79.3	77.63	South Side
	1		A	verage dB(A) Leq	76.87	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

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80.4

78.5



FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industr	ries Ltd. (Unit # III)	W 4 12		
2.	Address	a gr	:					
		Table 1		713212				
3.	Type of Indu		:	: Integrated Steel Plant				
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02		All all		
5.	Deviation fr	om the Sampling Method & Pla	n :	No				
6.	Type of Sam	ple	:	Noise				
7.	Sample ID		:	ENV/220/M/N		#		
8.	Report ID		:		R)N/10/22-23	W		
9.	Date of Stud	V	:	12/09/2022	And the same of the same			
10.	10. Reporting Date		:	19/09/2022				
11.	1 9		:	: IS: 9989 - 1981				
12.	Time of Dur	ation of Noise	:	20 Minutes				
13.	Height from	Ground Level	:	4 feet	A CONTRACT OF			
14.	Sample Mon	itoring by	:	Mr. Biswarup Ku	ındu			
		RESULT OF NO	DISE LEV	EL STUDY		Time: 11:10 - 11:30 A.M		
				DAY TIME				
10. Lo	cation : Hot S	Screen (Sinter Plant)			Sample Code : (EN	NV/NOISE/10/21-22)		
Sl. No	. Unit	Minimum	N	Maximum Leq		Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	74.3		81.2	79.00	East Side		

82.6

84.1

83.4

Average dB(A) Leq

Reviewed By:

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

Approved By:

80.60

82.63

81.61

80.96

Quality Manager

West Side

North Side

South Side

>End of Report<

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TEST REPORT

1.]	Name of the	Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address		:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Indu	ıstry	:	Integrated Steel Plant
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02
5. 1	Deviation fr	om the Sampling Method & Plan	:	No
6.	Type of Sam	ple	:	Noise
7.	Sample ID		:	ENV/220/M/N
8.	Report ID		:	ENV/220/M/(TR)N/11/22-23
9.	Date of Stud	y and the same of	:	12/09/2022
10.	Reporting D	ate	:	19/09/2022
11.	Method No.		:	IS: 9989 - 1981
12. '	12. Time of Duration of Noise			20 Minutes
13.	13. Height from Ground Level			4 feet
14.	Sample Mon	itoring by	:	Mr. Biswarup Kundu
		RESULT OF NOISE	ELEV	VEL STUDY Time: 11:40 - 12:00 A.M.
				DAY TIME
11. Loc	ation : Cold	Screen (Sinter Plant)		Sample Code: (ENV/NOISE/11/20-21)
Sl. No.	Unit	Minimum	I	Maximum Leq Remarks
		dB(A)		dB(A) dB(A)
01.	dB(A)	73.2		80.4 78.15 East Side
02.	dB(A)	76.8		84.0 81.75 West Side
03.	dB(A)	74.3		81.5 79.25 North Side
04.	dB(A)	79.1		82.4 81.06 South Side

Average dB(A) Leq

Dy. Quality Manager

Approved By:

80.05

Quality Manager

>End of Report<

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Haldia

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New Delhi Branch Office:





TEST REPORT

1. N	Name of the	Industry	:	Jai Balaji Industries Lto	d. (Unit # III)	76		
2. A	Address	To 91	:	Village - Banskopa, F Pin - 713212	P.O - Rajbandh, I	Durgapur, District - Burdwan,		
3. 1	Type of Industry			Integrated Steel Plant		77		
		an & Procedure	:	ENV/SOP/02		. All 18		
5. I	Deviation fr	om the Sampling Method & Plan	:	No		. # #		
6. 1	Type of Sam	ple	:	Noise	8.			
7. S	Sample ID		:	ENV/220/M/N				
8. F	Report ID		:	ENV/220/M/(TR)N/12	/22-23			
9. I	Date of Stud	y	:	12/09/2022				
10. F	Reporting D	ate	:	19/09/2022				
	Method No.		:	IS: 9989 - 1981	" 一种 是 以 请			
12. 7	12. Time of Duration of Noise			20 Minutes	是一种			
	13. Height from Ground Level			4 feet	lo La company			
14. S	Sample Mon	itoring by	:	: Mr. Biswarup Kundu				
		RESULT OF NOIS	E LEV	EL STUDY		Time: 12:10 - 12:30 P.M		
				DAY TIME				
12. Loca	ation : Pum	p House (Sinter Plant)			Sample Code :	: (ENV/NOISE/12/21-22)		
Sl. No.	Unit	Minimum]	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	77.4		82.1	80.36	East Side		
02.	dB(A)	78.9		83.4	81.71	West Side		
03.	dB(A)	79.3		80.8	80.11	North Side		
04.	dB(A)	76.2		82.4	80.32	South Side		

Average dB(A) Leq

Reviewed By:

Dy. Quality Manager

Approved By:

80.62

Quality Manager

>End of Report<

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78.4

79.8



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TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industi	ries Ltd. (Unit # III)	70		
2.	Address	Total and total	:	Village - Bansk	opa, P.O - Rajbandh, Durg	apur, District - Burdwan		
		5.		Pin - 713212		4.4		
3.	Type of Indu	istry	:	Integrated Steel	Plant	7.0		
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02				
5.	Deviation fr	om the Sampling Method & Pla	an :	No		# # ·		
6.	Type of Sam	ple	:	Noise	. 0			
7.	Sample ID		:	ENV/220/M/N				
8.	Report ID		:	ENV/220/M/(TF	R)N/13/22-23	W		
9.	Date of Study			12/09/2022				
10.	. Reporting Date		:	19/09/2022				
11.			:	IS: 9989 - 1981	THE REAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS			
12.	Time of Dur	ation of Noise	9 :	20 Minutes				
13.	Height from	Ground Level	:	: 4 feet				
14.	Sample Mon		:	: Mr. Biswarup Kundu				
	•	RESULT OF N	OISE LEV	EL STUDY	Time: 08:00 - 08:20 A.M			
				DAY TIME				
13. Lo	ocation : Blast	Furnace - 1 (MBF)			Sample Code : (EN	V/NOISE/13/21-22)		
Sl. No	o. Unit	Minimum	ľ	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	80.1		83.4	82.06	East Side		

82.1

81.0

81.5

Average dB(A) Leq

Reviewed By:

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

Approved By

Quality Manager

80.92

79.89

80.73

80.90

West Side

North Side

South Side

>End of Report<

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TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industr	es Ltd. (Unit # III)	200 × 20
2.	Address	Si el	:	Village - Banskor 713212	oa, P.O - Rajbandh, Durg	gapur, District - Burdwan, Pin
3.	Type of Indu	ıstry	:	Integrated Steel I	Plant	28
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02		20
5.		om the Sampling Method & Plan	:	No		2.2
6.	Type of Sam	ple	:	Noise		A A
7.	Sample ID		:	ENV/220/M/N		
8.	Report ID		:	ENV/220/M/(TR	N/14/22-23	
9.	Date of Stud	y	:	12/09/2022	the Marian and	Total Line
10.	Reporting D	ate	:	19/09/2022		
11.	Method No.		:	IS: 9989 - 1981		
12.			:	20 Minutes		
13.	3. Height from Ground Level		:	4 feet	Charles II	
14.	Sample Mon		<u>:</u>	Mr. Biswarup Ku	ndu	
		RESULT OF NOISE	E LEV	EL STUDY		Time : 08:30 - 08:50 A.M
				DAY TIME		
14. Lo	cation : Blast	Furnace - 2 (MBF)			Sample Code :	: (ENV/NOISE/14/21-22)
Sl. No	. Unit	Minimum	N	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
01.	dB(A)	77.4		82.0	80.28	East Side
02.	dB(A)	79.3		83.8	82.11	West Side
03.	dB(A)	80.6		83.8	82.49	North Side
04.	dB(A)	78.3		84.2	82.18	South Side

Average dB(A) Leq

81.77

Dy. Quality Manager

Quality Manager

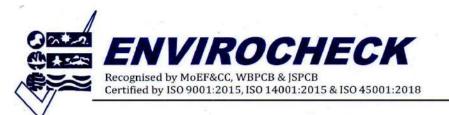
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72.5

70.6



FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Indust	ries Ltd. (Unit # III)			
2.	Address	5a 91 5a,	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin 713212				
3.	Type of Indu	stry	:	Integrated Steel	Plant	7.0		
4.		an & Procedure	:	ENV/SOP/02		AT 15		
5.	Deviation fr	om the Sampling Method & Plar	ı :	No		7 8 1		
6.	Type of Sam	ple	:	Noise	. //			
7.	Sample ID		:	ENV/220/M/N	· · · · · · · · · · · · · · · · · · ·			
8.	Report ID		:	ENV/220/M/(TI	R)N/15/22-23			
9.	Date of Stud	y	:	12/09/2022				
10.	Reporting D	ate	:	19/09/2022				
11.	Method No.	A 2 10 - 11	:	IS: 9989 - 1981	New House to the			
12.	Time of Dura	ation of Noise	:	20 Minutes				
13	Height from	Ground Level	:	4 feet	A CONTRACTOR OF THE PARTY OF TH			
14.	Sample Mon	itoring by	:	Mr. Biswarup Kı	ındu			
		RESULT OF NO	ISE LEV	EL STUDY		Time: 09:00 - 09:20 A.M		
				DAY TIME				
15. Lo	cation : RMH	S Day Bin Outer Wall (MBF)			Sample Code : (EN	V/NOISE/15/21-22)		
Sl. No	. Unit	Minimum	N	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	71.2		74.8	73.36	East Side		

79.2

80.1

78.5

Average dB(A) Leq

Reviewed By:

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

Approved By:

77.41 77.79

76.14

76.18

Quality Manager

North Side

South Side

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TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Indus	tries Ltd. (Unit # III)	200 8 20		
2.	Address			Village - Bansk 713212	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212			
3.	Type of Indu	ıstry	:	Integrated Stee	l Plant	20		
4.	Sampling Pl	an & Procedure	:	ENV/SOP/02		J. F.		
5.	Deviation fr	om the Sampling Method & Plan	:	No		. 2 2		
6.	Type of Sam	ple	:	Noise				
7.	Sample ID		:	ENV/220/M/N	2 2			
8.	Report ID		:	ENV/220/M/(T	R)N/16/22-23			
9.	Date of Stud	y	:	12/09/2022	to the same of the			
10.	Reporting D	ate	:	19/09/2022				
11.	11. Method No.		:	IS: 9989 - 1981				
12.	12. Time of Duration of Noise		:	20 Minutes				
13.	Height from	Ground Level	:	4 feet	Control of the Contro			
14.	Sample Mon	itoring by	:					
		RESULT OF NOISE	E LEV	EL STUDY		Time : 09:30 - 09:50 A.M		
				DAY TIME				
16. Lo	cation : RMH	S Bay Bin Ground Floor (MBF)			Sample Code :	(ENV/NOISE/16/21-22)		
Sl. No	. Unit	Minimum	ľ	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	76.8		80.1	78.76	East Side		
02.	dB(A)	74.9		79.5	77.78	West Side		
03.	dB(A)	79.2		82.3	81.02	North Side		

83.5

Average dB(A) Leq

Reviewed By:

04.

Dy. Quality Manager

dB(A)

71.6

Approved By:

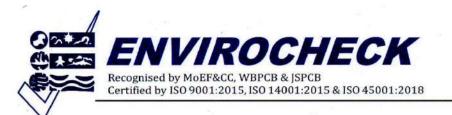
80.76

79.58

Quality Manager

South Side

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77.5

78.3



FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industr	ies Ltd. (Unit # III)			
2.	Address	Ta 91	:	Village - Bansko	oa, P.O - Rajbandh, Durgapu	r, District - Burdwan, Pin -		
		16		713212		. A. A.		
3.	Type of Indu	ıstry	:	Integrated Steel	Integrated Steel Plant			
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02				
5.	Deviation fr	om the Sampling Method & Pla	ın :	No	a second	# B		
6.	Type of Sam	ple	:	Noise		37		
7.	Sample ID		:	ENV/220/M/N				
8.	Report ID	11 mm	:	ENV/220/M/(TR)N/17/22-23			
9.	. Date of Study			12/09/2022				
10.	0. Reporting Date		:	19/09/2022				
11.	11. Method No.			IS: 9989 - 1981	The second state of the			
12.	Time of Dur	ation of Noise	:	20 Minutes	Control of the Contro			
13.	Height from	Ground Level	:					
14.	Sample Mon	itoring by	:	: Mr. Biswarup Kundu				
		RESULT OF N	OISE LEV	EL STUDY		Time: 10:00 - 10:20 A.M		
				DAY TIME				
17. Lo	cation : RMH	S Bay Bin 1st Floor (MBF)			Sample Code : (EN	V/NOISE/17/21-22)		
Sl. No	o. Unit	Minimum	N	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	76.2		82.0	80.00	East Side		

84.1

82.3

83.8

Average dB(A) Leq

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

Approved By:

82.36

80.53

81.87

81.19

Quality Manager

West Side

North Side

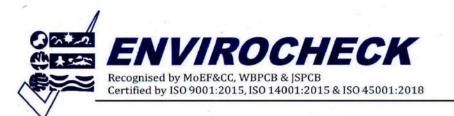
South Side

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TEST REPORT

1.	Name of the	Industry	:)		10		
2.	Address	Se	:		P.O - Rajbandh, Durg	gapur, District - Burdwan, Pin		
		le .		713212				
	Jr J			Integrated Steel Plan	nt	- I II -		
		an & Procedure	:	1 1-		JP 37		
		om the Sampling Method & Plan	:			- # E		
	Type of Sam	ple	:		8			
	Sample ID		:					
	Report ID	and the second state of the second	:	1 -1 1	/18/22-23			
	Date of Stud		:	1 - 1 -				
	Reporting D	ate	:	.,,				
	Method No.		:	IS: 9989 - 1981				
				20 Minutes				
	<u> </u>			4 feet				
14.	Sample Mon		<u>:</u>	Tire Bio it dir dip ridire.	1			
		RESULT OF NOIS	SE LEV	/EL STUDY		Time : 10:30 - 10:50 A.M		
				DAY TIME				
18. Loc	cation : B/T (Compressor & Blower House Room	m (M	BF)	Sample Code :	(ENV/NOISE/18/21-22)		
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	76.5		80.6	79.02	East Side		
02.	dB(A)	79.2		82.5	81.16	West Side		
03.	dB(A)	78.4		84.0	82.05	North Side		
04.	dB(A)	77.9		83.8	81.78	South Side		

Average dB(A) Leq

81.00

Reviewed By:

Dy. Quality Manager

Quality Manager

>End of Report<

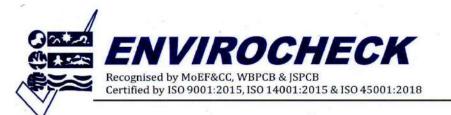
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TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industi	ries Ltd. (Unit # III)			
2.	Address		:	Village - Bansko	pa, P.O - Rajbandh, Durg	gapur, District - Burdwan, Pin		
		G.		713212				
	Type of Industry			Integrated Steel	Plant	3 4		
		an & Procedure	:	ENV/SOP/02		48 8		
		om the Sampling Method & Plan	:			. # #		
	Type of Sam	ple	:	Noise	F			
	Sample ID		:	==== / == -/ == /		I. I		
	Report ID		:	, -, ,	R)N/19/22-23	<i>II II</i> .		
	Date of Stud		:	1 - 1 -	Company of the second			
	Reporting D	ate	:	.,,				
	Method No.		:	IS: 9989 - 1981				
				20 Minutes				
		Ground Level	:					
14.	Sample Mon		<u>:</u>		ındu			
		RESULT OF NOIS	SE LEV	VEL STUDY		Time : 11:00 - 11:20 P.M		
				DAY TIME				
19. Loc	ation : Pum	p House (MBF)			Sample Code :	: (ENV/NOISE/19/21-22)		
Sl. No.	Unit	Minimum]	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	79.4		82.1	80.96	East Side		
02.	dB(A)	80.4		83.0	81.89	West Side		
03.	dB(A)	77.2		80.6	79.22	North Side		
04.	dB(A)	79.3		82.7	81.32	South Side		

Average dB(A) Leq

Reviewed By:

Dy. Quality Manager

Approved By:

80.85

Quality Manager

>End of Report<

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76.9

74.8

77.9



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TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industr	ies Ltd. (Unit # III)	
2.	Address		:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan 713212		
3.	Type of Indu	istry	:	Integrated Steel	Plant	33
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02		A25 A55
5.	Deviation fr	om the Sampling Method & P	lan :	No		
6.	Type of Sam	ple	:	Noise		
7.	Sample ID		:	ENV/220/M/N	* 2.5	
8.	Report ID		:	ENV/220/M/(TR)N/20/22-23	
9.						
10.	Reporting D	ate		19/09/2022		
11.	Method No.		N :	: IS: 9989 - 1981		
12.	Time of Dura	ation of Noise	9 :	20 Minutes		
13.	Height from	Ground Level	:	4 feet	A Company of the Comp	
14.	Sample Mon	itoring by	:	Mr. Biswarup Ku	ndu	
		RESULT OF	NOISE LEV	EL STUDY		Time: 11:30 - 11:50 A.M
				DAY TIME		
20. Lo	cation : Indu	ction Furnace (DIP)			Sample Code : (EN	V/NOISE/20/21-22)
Sl. No	. Unit	Minimum	N	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	

80.0

79.8

78.5

79.3

Average dB(A) Leq

01.

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

dB(A)

Quality Manager

East Side

West Side

North Side

South Side

>End of Report<

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77.81

78.59

77.03

78.66

78.02





TEST REPORT

1.	Name of the	Industry		: Jai Balaji Indu	stries Ltd. (Unit # III)				
2.	Address	Total			kopa, P.O - Rajbandh, Durg	apur, District - Burdwan, Pin -			
		le.		713212		3/3/			
	Type of Indu			: Integrated Ste	el Plant				
4.		an & Procedure		: ENV/SOP/02		J. F. C.			
5.	Deviation fr	om the Sampling Method & F	Plan	: No		# 8			
6.	Type of Sam	ple		: Noise	Noise				
7.	Sample ID			: ENV/220/M/N					
8.	Report ID			: ENV/220/M/(TR)N/21/22-23				
9.	Date of Stud	y		: 12/09/2022					
10.	Reporting D	ate		: 19/09/2022					
11.	. Method No.		100	: IS: 9989 - 198	IS: 9989 - 1981				
12.	Time of Duration of Noise			: 20 Minutes					
13.	Height from Ground Level		31.	: 4 feet	A CONTRACTOR				
14.	Sample Mon	itoring by		: Mr. Biswarup	Kundu				
		RESULT OF	NOISE LI	EVEL STUDY		Time: 12:00 - 12:20 P.M			
				DAY TIME					
20. Lo	cation : Anne	ealing Furnace (DIP)			Sample Code :	(ENV/NOISE/21/21-22)			
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
01.	dB(A)	72.8		78.4	76.45	East Side			
02.	dB(A)	76.3		80.2	78.67	West Side			
03.	dB(A)	74.8		79.3	77.61	North Side			

79.8

Average dB(A) Leq

04.

Dy. Quality Manager

dB(A)

75.4

Approved By:

78.13

77.72

Quality Manager

South Side

>End of Report<

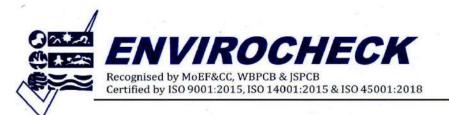
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TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industr	ies Ltd. (Unit # III)	- 457		
2.	Address	a.	:	Village - Banskoj 713212	oa, P.O - Rajbandh, Durg	apur, District - Burdwan, Pin		
3.	Type of Industry			Integrated Steel	Plant	22		
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		:	ENV/220/M/N				
8.	Report ID		:	ENV/220/M/(TR)N/22/22-23			
9.	Date of Stud	y	:	12/09/2022	PRINCIPLE OF THE			
10.	Reporting D	ate	:	19/09/2022				
11.	Method No.	SERVICE SERVICE	:	IS: 9989 - 1981	IS: 9989 - 1981			
12 .	. Time of Duration of Noise		:	20 Minutes	Company Line	and the same of th		
13.	Height from	Ground Level	:	4 feet				
14.	Sample Mon		:	Mr. Biswarup Ku	ndu			
		RESULT OF NOIS	SE LEV	/EL STUDY		Time : 12:30 - 12:50 P.M		
				DAY TIME				
22. Loc	cation : Cent	rifugal Casting Machine (DIP)			Sample Code :	(ENV/NOISE/22/21-22)		
Sl. No.	Unit	Minimum	I	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	76.2	80.6		78.93	East Side		
02.	dB(A)	78.2		82.3	80.72	West Side		
03.	dB(A)	75.8		81.4	79.45	North Side		
04.	dB(A)	77.0		83.6	81.45	South Side		

Average dB(A) Leq

Reviewed By:

Dy. Quality Manager

Approved By:

80.14

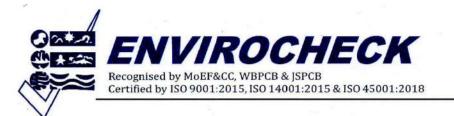
Quality Manager

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78.9



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TEST REPORT

1.	Name of the	Industry		: Jai Balaji Indus	tries Ltd. (Unit # III)	The second second			
2.	Address	Ta 91		: Village - Bans Pin - 713212	kopa, P.O - Rajbandh, D	urgapur, District - Burdwan,			
3.	Type of Industry				Integrated Steel Plant				
4.		an & Procedure		: ENV/SOP/02	 	77.			
5.		om the Sampling Method & F	Plan	: No					
6.	Type of Sam	ple		: Noise	-	# # F			
7.	Sample ID			: ENV/220/M/N	5 0 0				
8.	Report ID			: ENV/220/M/(T	ENV/220/M/(TR)N/23/22-23				
9.	Date of Stud	y		: 12/09/2022	12/09/2022				
10.	Reporting D	ate	10	: 19/09/2022	19/09/2022				
	Method No.		[2]	IS: 9989 - 1981					
12.	Time of Duration of Noise			20 Minutes					
	13. Height from Ground Level			: 4 feet					
14.	Sample Mon			: Mr. Biswarup K	undu	Sale Dist			
		RESULT OF	NOISE LI	VEL STUDY Time: 01:00		Time: 01:00 - 01:20 P.M			
				DAY TIME					
23. Lo	cation : Magi	nesium Converter (DIP)			Sample Code :	(ENV/NOISE/23/21-22)			
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks			
		dB(A)		dB(A)	dB(A)				
01.	dB(A)	75.4		79.3	77.77	East Side			
02.	dB(A)	78.0		81.3	79.96	West Side			

82.0

83.5

Average dB(A) Leq

Reviewed By:

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

Approved By:

80.02

81.78

79.88

Quality Manager

North Side

South Side

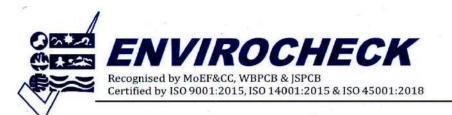
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TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)		
2.	Address	:	8 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
			713212		
3.	Type of Industry	:	Integrated Steel Plant		
4.	Sampling Plan & Procedure	:	ENV/SOP/02		
5.	Deviation from the Sampling Method & Plan	:	No		
6.	Type of Sample	:	Noise		
7.	Sample ID	: ENV/220/M/N			
8.	Report ID	:	ENV/220/M/(TR)N/24/22-23		
9.	Date of Study	:	12/09/2022		
10.	Reporting Date	:	19/09/2022		
11.	Method No.	:	IS: 9989 - 1981		
12.	Time of Duration of Noise	:	20 Minutes		
13.	Height from Ground Level	:	4 feet		
14.	Sample Monitoring by	:	Mr. Biswarup Kundu		
	RESULT OF NOISE	LEV	/EL STUDY Time : 01:30 - 01:50 P.M		
			<u>DAY TIME</u>		
24. L	ocation : Zinc Casting (DIP)		Sample Code : (ENV/NOISE/24/21-22)		

24. Loca	tion : Zinc	Casting (DIP)	Sample Code : (ENV/NOISE/24/21-22)		
Sl. No.	No. Unit Minimum Maximum			Leq	Remarks
		dB(A)	dB(A)	dB(A)	
01.	dB(A)	78.2	81.4	80.09	East Side
02.	dB(A)	76.9	80.6	79.13	West Side
03.	dB(A)	78.9	83.3	81.63	North Side
04.	dB(A)	79.3	83.8	82.11	South Side
			Average dB(A) Leq	80.74	.30

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

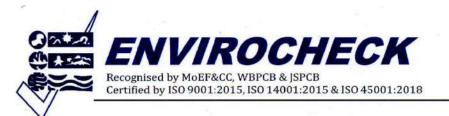
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TEST REPORT

1. Name of the Industry				Jai Balaji Industries				
2. A	Address				P.O - Rajbandh, Durg	apur, District - Burdwan, Pin		
		le .		713212				
	Гуре of Indu		:	Integrated Steel Plan	nt			
		n & Procedure	:	ENV/SOP/02				
		m the Sampling Method & Plan	:	No		. # #		
	Гуре of Samj	ole	:	Noise				
	Sample ID		:	ENV/220/M/N	* * 1	2. J		
8. F	Report ID		:	ENV/220/M/(TR)N/	25/22-23			
9. I	Date of Study		:	12/09/2022				
10. F	Reporting Da	nte	:	19/09/2022				
11. N	Method No.		:	IS: 9989 - 1981				
12. T	Time of Dura	tion of Noise	:	20 Minutes				
13. H	3. Height from Ground Level			4 feet				
14. Sample Monitoring by : Mr. Biswarup Kundu								
RESULT OF NOISE I				/EL STUDY Time: 1:50 – 2:00 P.M				
				DAY TIME				
25. Loca	ation : Ceme	nt Grinding (DIP)			Sample Code :	(ENV/NOISE/25/21-22)		
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks		
		dB(A)		dB(A)	dB(A)			
01.	dB(A)	80.4		84.1	82.63	East Side		
02.	dB(A)	77.4		81.4	79.85	West Side		
03.	dB(A)	79.2		84.3	82.46	North Side		
04.	dB(A)	80.6		84.8	83.19	South Side		
			A	verage dB(A) Leq	82.03			

Dy. Quality Manager

Quality Manager

>End of Report<

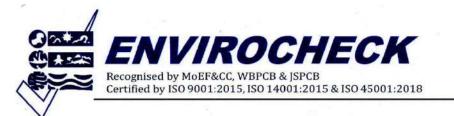
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79.5

80.1



FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:	: Jai Balaji Industries Ltd. (Unit # III)			
2.	Address	9	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin -			
				713212			
3.	Type of Indu	ıstry	:	Integrated Steel	Plant	37.87	
4.	Sampling Pl	an & Procedure	:	ENV/SOP/02		A	
5.	Deviation fr	om the Sampling Method & Plan	n :	No		2 2	
6.	Type of Sam	ple	:	Noise			
7.	Sample ID		:	ENV/220/M/N		3	
8.	Report ID		:	ENV/220/M/(TR)N/26/22-23		
9.	Date of Stud	y	:	12/09/2022			
10.	Reporting D	ate	:	19/09/2022			
11.			:	IS: 9989 - 1981			
12.	12. Time of Duration of Noise		:	20 Minutes			
13. Height from Ground Level			:	: 4 feet			
14. Sample Monitoring by : Mr. Biswarup Kundu							
RESULT OF NOISE			DISE LEV	VEL STUDY Time: 02:30 - 02:50 P			
				DAY TIME			
26. Lo	cation : Hydr	ostatic Pressure Testing Machi	ne (DIP))	Sample Code : (El	NV/NOISE/26/21-22)	
Sl. No	. Unit	Minimum	N	Maximum	Leq	Remarks	
		dB(A)		dB(A)	dB(A)		
01.	dB(A)	81.3		83.1	82.29	East Side	

81.8

82.6

84.8

Average dB(A) Leq

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

West Side

North Side

South Side

80.39

81.32

83.06

81.77

Quality Manager

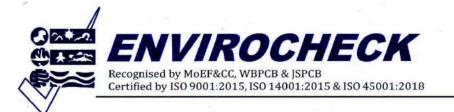
>End of Report<

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75.8

77.8

74.9



FORMAT NO.: ENV/FM/53

TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industi	ries Ltd. (Unit # III)	***
2.	Address	Si 91	:	Village - Bansko 713212	pa, P.O - Rajbandh, Durgap	our, District - Burdwan, Pin -
3.	Type of Indu	istry	:	Integrated Steel	Plant	2 D
4.	Sampling Pla	an & Procedure	:	ENV/SOP/02		AT P
5.	Deviation fr	om the Sampling Method & Pl	an :	No		2.6
6.	Type of Sam	ple	:	Noise		
7.	Sample ID		:	ENV/220/M/N		
8.	Report ID		:	ENV/220/M/(TF	R)N/27/22-23	
9.	Date of Stud	y	:	12/09/2022	forther to the same of the	
10.	Reporting D	ate		19/09/2022		
11.	Method No.		:	IS: 9989 - 1981	Washington and the same of the	
12.	Time of Dur	ation of Noise	:	20 Minutes		
13.	Height from	Ground Level	:	4 feet	Control of the Contro	
14.	Sample Mon	itoring by	:	Mr. Biswarup Ku	ındu	
		RESULT OF I	NOISE LEV	EL STUDY		Time: 03:00 - 03:20 P.M
				DAY TIME		
27. Lo	cation : Dispa	atch Area (DIP)			Sample Code : (I	ENV/NOISE/27/21-22)
Sl. No	. Unit	Minimum	I	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
01.	dB(A)	72.3		78.5	76.42	East Side

79.3

80.1

78.3

Average dB(A) Leq

02.

03.

04.

Dy. Quality Manager

dB(A)

dB(A)

dB(A)

77.89

79.10

76.92

77.58

Quality Manager

West Side

North Side

South Side

>End of Report<

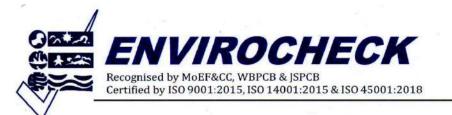
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TEST REPORT

1.	Name of the	Industry	:	Jai Balaji Industrie	es Ltd. (Unit # III)	
2.	Address	Si est	:		ı, P.O - Rajbandh, Durg	apur, District - Burdwan, Pin
2	m (1)	14	_	713212		4.0
	Type of Indu	J .	:	Integrated Steel Pl	ant	
		an & Procedure	:	ENV/SOP/02		
		om the Sampling Method & Plan	:	No		- 27 27
	Type of Sam	ple	:	Noise	£	
	Sample ID		:	ENV/220/M/N		41
	Report ID	et and the	:	ENV/220/M/(TR)!	N/28/22-23	
-	Date of Stud		:	12/09/2022		
10.	Reporting D	ate	:	19/09/2022	A SECTION STREET	
	Method No.		:	IS: 9989 - 1981		
12 .	Time of Dura	ation of Noise	:	20 Minutes		
13.	Height from	Ground Level	:	4 feet		
14.	Sample Mon	itoring by	:	Mr. Biswarup Kun	du	
		RESULT OF NOISI	E LEV	EL STUDY		Time: 03:30 - 03:50 P.I
				DAY TIME		
28. Lo	cation : Pum	p House (DIP)			Sample Code :	(ENV/NOISE/28/21-22)
Sl. No.	Unit	Minimum	ľ	Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
01.	dB(A)	81.2		83.6	82.56	East Side
02.	dB(A)	79.4		84.1	82.36	West Side
03.	dB(A)	80.8		84.3	82.89	North Side
04.	dB(A)	79.5		84.6	82.76	South Side
			A	verage dB(A) Leq	82.64	P. P. T. S. A.

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

H.O.

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TEST REPORT

	Name of the	Industry	:	, , , , , , , , , , , , , , , , , , , ,		
2. A	Address	To 91		Village - Bansko Pin - 713212	pa, P.O - Rajbandh, D	Ourgapur, District - Burdwan
3.	Type of Indu	istry	:	Integrated Steel P	lant	77
4. 5	Sampling Pla	an & Procedure	:	ENV/SOP/02		- AT - F
5. I	Deviation fr	om the Sampling Method & Plan	:	: No		. 4 8
	Гуре of Sam	ple	:	Noise		
	Sample ID		:	ENV/220/M/N	× 4	2. 2
	Report ID		:	ENV/220/M/(TR)	N/29/22-23	
9. I	Date of Stud	y	:	12/09/2022	Continue was	
	Reporting D	ate	:	19/09/2022		
	Method No.					*
		ation of Noise	:	20 Minutes		
		Ground Level	_ :			
14.	Sample Mon			Mr. Biswarup Kun	ıdu	
		RESULT OF NOIS	SE LE	VEL STUDY		Time : 4:00 - 4:20 P.M
				DAY TIME		
29. Loc	ation : Oxyg	en Compressor (O ₂ Plant)			Sample Code :	(ENV/NOISE/29/21-22)
Sl. No.	Unit	Minimum		Maximum	Leq	Remarks
		dB(A)		dB(A)	dB(A)	
01.	dB(A)	81.2		84.3	83.02	East Side
02.	dB(A)	80.8		83.5	82.36	West Side
03.	dB(A)	81.6		85.0	83.62	North Side
04.	dB(A)	81.8		89.7	87.34	South Side
			I	Average dB(A) Leq	84.09	

Dy. Quality Manager

Quality Manager

>End of Report<

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TEST REPORT

				-					
1. I	Name of the	Industry		:	Jai Balaji Industri	es Ltd. (U	Init # III)	<u> </u>	
	Address			:	Village - Bansko Pin - 713212	pa, P.O	- Rajbandh,	Durgapur,	District - Burdwan
3.	Type of Indi	ustry		:	Integrated Steel P	lant		100	
4.	Sampling Pl	an & Procedure		:	ENV/SOP/02			65	
5. l	Deviation fr	om the Sampling Method & Plai	n	:	No			. # 6	
6.	Type of Sam	ple		:	Noise			8 8	
7.	Sample ID			:	ENV/220/M/N			J. J.	
	Report ID			:	ENV/220/M/(TR)	N/30/22	-23	1 2	3
	Date of Stud			:	12/09/2022	1	N. W. B. Co.	A market	
	Reporting D	ate		:	19/09/2022				-1
	Method No.			:	IS: 9989 - 1981	192			a l
		ration of Noise		:	20 Minutes	38			
		Ground Level		:	4 feet	1000			
14.	Sample Mon			:	Mr. Biswarup Kur	ıdu		Walter Mc	
		RESULT OF NO	OISE L	EV	EL STUDY			Ti	ime : 1:00 - 1:20 P.M
					DAY TIME				
30. Loc	cation : Nort	h Side - Samadhi Area (AAQMS))				Sample Code	e : (ENV/NO	ISE/30/21-22)
Sl. No.	Unit	Minimum		M	laximum		Leq		Remarks
		dB(A)			dB(A)		dB(A)		
01.	dB(A)	53.5			60.6	and the	58.36		East Side
02.	dB(A)	56.8			63.5	8.5.	61.33		West Side
03.	dB(A)	54.4			65.9		63.19		North Side
04.	dB(A)	58.3			63.3		61.48		South Side
				Αι	verage dB(A) Leq		61.09		- TO 2
					NICHT TIME			Ti	me : 10:00 - 10:20 P.M
Cl No	IIia	Minimo			NIGHT TIME Maximum		Log		Remarks
Sl. No.	Unit	Minimum		I			Leq dB(A)		кетагкѕ
01.	dB(A)	dB(A) 47.5			dB(A) 52.5		50.68	161	East Side
02.	dB(A)	48.9			53.5		51.78		West Side
03.	dB(A)	46.4			51.6		49.74	-	North Side
04.	dB(A)	45.3			55.2		52.61		South Side
				Δı	verage dB(A) Leq		51.20		
				11	crage ab(n) neq		01120		

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

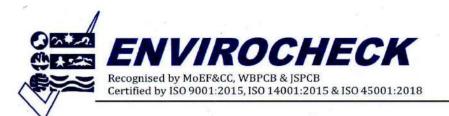
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TEST REPORT

1.	Name of the	Industry		: 1	ai Balaji Industri	es Ltd. (Unit # III)	
	Address			: 1			Durgapur, District - Burdwar
3.	Type of Indu	ıstry			ntegrated Steel P	lant	3.8
		an & Procedure			ENV/SOP/02		
		om the Sampling Method & Pla			No		
	Type of Sam	ple			Noise	8	
	Sample ID				ENV/220/M/N		
	Report ID				ENV/220/M/(TR)	N/31/22-23	
	Date of Stud				12/09/2022		
	Reporting D	ate			19/09/2022		
	Method No.	ation of Noise			S: 9989 - 1981 20 Minutes		
		Ground Level			4 feet		
	Sample Mon				Mr. Biswarup Kun	du	
17.	Sample Mon	RESULT OF NO				du	Time: 01:00 - 01:20 P.M
					DAY TIME		
31. Lo	cation : Easte	ern Side - Security Barrack (AA	QMS)			Sample Code	: (ENV/NOISE/31/21-22)
Sl. No.	. Unit	Minimum		Ma	ximum	Leq	Remarks
		dB(A)		Ċ	lB(A)	dB(A)	
01.	dB(A)	52.8			63.1	60.48	East Side
02.	dB(A)	58.2			63.4	61.54	West Side
03.	dB(A)	52.7			65.1	62.33	North Side
04.	dB(A)	52.8			63.9	61.21	South Side
				Ave	erage dB(A) Leq		
					NICHT TIME		Time : 10:00 - 10:20 P.M
Sl. No.	Unit	Minimum			NIGHT TIME aximum	Log	Remarks
51. NO.	Unit	dB(A)			dB(A)	Leq dB(A)	Kemarks
01.	dB(A)	45.1			53.8	51.34	East Side
02.	dB(A)	47.8			52.5	50.76	West Side
03.	dB(A)	49.6			54.8	52.94	North Side
04.	dB(A)	44.2			52.5	50.09	South Side

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

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TEST REPORT

	Name of the	Industry		:	Jai Balaji Industri		
2. A	Address			:	Village - Bansko Pin - 713212	pa, P.O - Rajbandh,	Durgapur, District - Burdwan
3. 1	Type of Indu	stry		:	Integrated Steel P	Plant	3.0
4. S	Sampling Pla	an & Procedure		:	ENV/SOP/02		100 pt
5. I	Deviation fr	om the Sampling Method & Plai	n	:	No		
6. Т	Type of Sam	ple		:	Noise	8	
7. S	Sample ID			:	ENV/220/M/N		
8. F	Report ID			:	ENV/220/M/(TR)	N/32/22-23	
9. I	Date of Stud	y		:	12/09/2022		
10. F	Reporting D	ate		:	19/09/2022		
11. N	Method No.			:	IS: 9989 - 1981		
12. 7	Time of Dura	ation of Noise		:	20 Minutes		
		Ground Level		:	4 feet	A LONG TO SERVICE OF THE PARTY	The state of the s
14. S	Sample Mon			:	Mr. Biswarup Kur	ndu	
		RESULT OF NO	DISE LI	EVI	EL STUDY		Time: 01:30 - 01:50 P.M
					DAY TIME		
32. Loca	ation : Soutl	n Side - South to RM Yard (AAQ	MS)			Sample Code	: (ENV/NOISE/32/21-22)
Sl. No.	o. Unit Minimum			M	laximum	Leq	Remarks
		dB(A)			dB(A)	dB(A)	
01.	dB(A)	56.9			62.8	60.78	East Side
02.	dB(A)	57.4			62.5	60.66	West Side
03.	dB(A)	55.1			62.8	60.47	North Side
04.	dB(A)	59.9			63.7	62.20	South Side
				Av	verage dB(A) Leq	61.03	
					NACYTE WAY		Time : 10:30 - 10:50 P.M
Cl M-	II!+	Minim			NIGHT TIME	T	P
Sl. No.	Unit	Minimum dB(A)		_ I	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	48.6			52.5	50.97	East Side
02.	dB(A)	51.3			56.8	54.87	West Side
03.	dB(A)	53.7			56.9	55.59	North Side
04.	dB(A)	46.1			52.4	50.30	South Side
	1						<u> </u>

Reviewed By:

Dy. Quality Manager

Approved By:

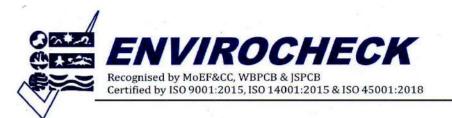
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TEST REPORT

	lame of the	Industry		:	Jai Balaji Industri		
2. A	Address			:	Village - Banskop 713212	a, P.O - Rajbandh, Durg	apur, District - Burdwan, Pin
	Type of Indu			:	Integrated Steel P	lant	7.8
4. S	Sampling Pla	an & Procedure		:	ENV/SOP/02		A 3
5. C	Deviation fro	om the Sampling Method & Plan		:	No		
6. T	Type of Sam	ple		:	Noise	٤	
7. S	Sample ID			:	ENV/220/M/N		4. 4
8. R	Report ID			:	ENV/220/M/(TR)	N/33/22-23	
9. E	Date of Stud	y		:	12/09/2022		
10. R	Reporting D	ate		:	19/09/2022		
	Method No.			:	IS: 9989 - 1981		
		ation of Noise		:	20 Minutes		
		Ground Level		:	4 feet		
14. S	Sample Mon	itoring by		:	Mr. Biswarup Kur	ıdu	
		RESULT OF NO	ISE LI	EVI	EL STUDY		Time : 04:30 - 04:50 P.M
					DAY TIME		
33. Loca	ation : West	ern Side - EPIP Boundary (AAQ	MS)			Sample Code :	(ENV/NOISE/33/21-22)
Sl. No.	Unit	Minimum		M	aximum	Leq	Remarks
		dB(A)			dB(A)	dB(A)	
01.	dB(A)	58.4			63.1	61.36	East Side
02.	dB(A)	56.8			62.5	60.52	West Side
03.	dB(A)	60.8			64.6	63.10	North Side
04.	dB(A)	61.5			64.8	63.46	South Side
				Av	rerage dB(A) Leq	62.11	Maria and an analysis of the second
					NICHT TIME		Time : 10:30 - 10:50 P.M
Cl No	IImia	Minimove			NIGHT TIME Maximum	Lon	Domontes
Sl. No.	Unit	Minimum dB(A)		N	dB(A)	Leq dB(A)	Remarks
01.	dB(A)	49.5			53.5	51.95	East Side
02.	dB(A)	50.6			55.1	53.41	West Side
03.	dB(A)	47.4			53.5	51.44	North Side
04.	dB(A)	52.5			55.8	54.46	South Side
					verage dB(A) Leq	52.82	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

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TEST REPORT

1. N	lame of the	Industry		:	Jai Balaji Industri		77 - 2
2. A	ddress	5 e		:	Village - Banskop 713212	a, P.O - Rajbandh, Durg	gapur, District - Burdwan, Pin
	ype of Indu			:	Integrated Steel P	lant	
4. S	ampling Pla	an & Procedure		:	ENV/SOP/02		A 2
5. D	Deviation fr	om the Sampling Method & Plan	l	:	No		. # # .
6. T	ype of Sam	ple		:	Noise		8 8
7. S	ample ID			:	ENV/220/M/N		
8. R	Report ID			:	ENV/220/M/(TR)	N/34/22-23	
	Date of Stud			:	12/09/2022		Total Land
	Reporting D	ate		:	19/09/2022		
	lethod No.			:	IS: 9989 - 1981	The same of the sa	
		ation of Noise		:	20 Minutes		
		Ground Level		:	4 feet	CHAPTER TO THE STATE OF	
14. S	ample Mon			:	Mr. Biswarup Kun	ndu	
		RESULT OF NO	ISE LI	EVI	EL STUDY		Time : 5:00 - 5:20 P.M
					DAY TIME		
34. Loca	ation : Occu	pational Health Centre (AAQMS)			Sample Code :	: (ENV/NOISE/34/21-22)
Sl. No.	Unit	Minimum		M	aximum	Leq	Remarks
		dB(A)			dB(A)	dB(A)	
01.	dB(A)	58.6			62.5	60.97	East Side
02.	dB(A)	58.9			66.1	63.85	West Side
03.	dB(A)	63.8			67.5	66.03	North Side
04.	dB(A)	58.4			65.1	62.93	South Side
				Av	rerage dB(A) Leq	63.45	
					NICHT TIME		Time : 11:00 - 11:20 P.M
Sl. No.	Unit	Minimum		n	NIGHT TIME Maximum	Log	Remarks
31. NO.	Unit	Minimum dB(A)		Ŋ	dB(A)	Leq dB(A)	кетагкѕ
01.	dB(A)	52.8			55.9	54.62	East Side
02.	dB(A)	53.7			56.1	55.06	West Side
03.	dB(A)	49.9			58.3	55.88	North Side
04.	dB(A)	52.5			55.1	53.99	South Side
		ı					

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

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

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

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

ANNEXURE 13

F. No. J-11011/724/2008- 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: August 30th, 2010

To.

The Director, M/s Jai Balaji Industries Limited, 5, Bentink Street, 2nd Floor Kolkata- 700 0001, West Bengal

E-mail: gaurav@jaibalajigroup.com

Fax: 033-22430021

Sub: Modification-cum-expansion of existing steel Plant (Unit – III) at Mouza, Bamunara & No. 58 and Banskopa J.L. No. 61, Village Banskopa, P.O. Rajbandh, District Burdwan, West Bengal by M/s Jai Balaji Industries Limited regarding Environmental Clearance

Sir.

This has reference to your letter no. JBI/U-III/GJ/08-09 dated 19.01.2010 and subsequent communications dated 5.03.2010 and 13.04.2010 along with copies of final EIA /EMP report and public hearing reports seeking environment clearance under the provisions of EIA Notification, 2006.

- 2. M/s Jai Balaji Industries Limited have proposed for the modification and expansion of Steel Plant (Unit-III) at Mouza Bamunara & No.58 and Banskopa J.L. No. 61, Village Banskopa, P.O. Rajbandh, District Burdwan, West Bengal. The company has in its position 188 acres of land and area required for expansion is 64 acres. Expansion will be carried out within the existing plant area. Green belt development will be developed in 21.5 acres (33%) of plant area. No national park / wildlife sanctuary/ eco sensitive area located within 10 km distance of the project. Total cost of the project is Rs. 354.5 Crores. Rs. 30 Crores and Rs. 4.0 Crores will be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures.
- Following are the existing and proposed facilities (ultimate capacity) along with their production capacities:

S.No.	Units	Production (TPA)		
Existin	g			
1	2x250 M ³ BF	3,67,500		
2	60 M ² Sinter Plant	6,08,256		
3	Rolling Mill	3,00,000		
4	Arc Furnace (1X50 T)	3,46,500		
5	DIP (Ductile Iron Pipe) plant	2,52,000		
6	Induction furnace for DIP plant	1X10 T		

Propo	osed:	= 0.4.000
1	Blast Furnace (250 M ³)	5,04,000
2	Electric Arc Furnace (60 T)	4,50,200
3	Caster	4,50,200
4	LRF	4,50,200
5	Pulverised Coal injection Plant	97,200
6	O ₂ Plant VPSA ASU	18,000 40,320
7	Iron Ore Beneficiation	6,00,000
8	Pellet Plant	6,00,000
9	Rolling Mill	6,00,000
10	Desulphurisation of metal	5,04,000
11	Induction Furnace (3x15 T) with DIP plant	2,52,000
13	Lime kiln	54,000
14	Producer Gas Plant	4x3000 Nm ³ /hr

- 4. Make up water requirement of 108m³/hr will be met from the Asansol Durgapur Development Authority (ADDA) for which permission from ADDA has been obtained. No ground water will be used. The treated water from de-mineralization (DM) plant /softening plant will be recycled and reused as make up water for various plant units. All the effluent will be treated and used for dust suppression, slag granulation and green belt development. No effluent will be discharged and 'zero' discharge will be adopted. Domestic effluent will be treated in septic tank followed by soak pit. Total power requirement will be 39.4 MVA and will be sourced from DVC State Grid as well as in house power generation. LDO (9,600 KLPA) and LPG (1 TPA) will be used as fuel.
- 5. To control the gaseous emissions from the blast furnaces, venturi scrubber and cyclone will be installed. The bag filters will be installed at the raw material handling system and to control the emissions from the furnaces. To control the secondary emissions from the steel melting shop, fume extraction system will be installed. The dust extraction system will be provided at the coal, coke and iron ore handling area. Dry fogging system to arrest the fugitive dust emission at raw material stock pile, unloading and loading points and spillages from the conveyor system will be provided. Noise control measures include earmuffs/ear plugs and noise helmets to the workers. Continuous exposure to high noise will be avoided.
- 6. BF slag after granulation will be sold to cement plants. EAF slag will be used for land filling and road construction. Mill scale and scrap will be used as raw materials in the Sinter Plant. BF flue dust and sludge will be reused in Sinter Plant. Scrap generated during steel billets and during rolling operations will be recycled to SMS. Iron Ore tailings will be disposed of in abandoned mines.
- 7. All the Integrated steel plants are listed at S. No. 3(a) under Category 'A' of the Schedule of EIA Notification 2006 and appraised at the Central level.
- 8. The proposal was considered by the Expert Appraisal Committee-1 (industry) in its meeting held during 26-28th July, 2010. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing/public consultation meeting was conducted by the West Bengal Pollution Control Board on 10th December, 2009.

9. 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 :

- Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Govt. shall be ensured and regular reports submitted to the Ministry and its Regional Office at Bhubaneswar.
- ii. 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 and sufficient air pollution control devices viz. venturi scrubber, gas cleaning plant, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm³ by installing energy efficient technology.
- iii. As proposed, bag filter shall be provided to MBF, Electric Arc furnace, sinter plant and dust catcher followed by venturi scrubbers to blast furnace to control SPM levels within 50 mg/Nm³. Fume extraction system shall be provided to induction furnaces to control the emissions within the prescribed standards.
- iv. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed. Data for AAQ emissions data for the last 3 years has to be submitted to the Ministry.
- v. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed. New standards for the sponge iron plant issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 should be followed.
- vi. Make-up water requirement from Asansol Durgapur Development Authority (ADDA) shall not exceed 108 m³/hr. Efforts shall further be made to use maximum water from the rain water harvesting sources. All the effluent shall be treated and used for dust suppression and green belt development. No effluent shall be discharged and 'zero' discharge shall be adopted. Sanitary sewage should be treated in septic tank followed by soak pit.
- vii. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. The water consumption shall not exceed as per the standard prescribed for the steel plants.
- viii. Regular monitoring of influent and effluent surface, sub-surface and ground water (including chromite) should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, WBPCB and CPCB.
- ix. All the blast furnace (BF) slag shall be provided to the cement manufacturers. Scrap shall be used in steel melting shop (SMS) and SMS slag and kiln accretions shall be

- properly utilized. All the other solid waste including broken refractory mass shall be properly disposed off in environment-friendly manner.
- v. Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.
- xi. All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coalmines shall be created within the Unit.
- xii. Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste should be submitted to the Ministry's Regional Office at Bhubaneswar, WBPCB and CPCB.
- xiii. As proposed, green belt shall be developed in 33 % of plant area as per the CPCB guidelines in consultation with the DFO.
- xiv. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants should be implemented.
- xv. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 10th December, 2009 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.
- xvi. At least 5 % of the total cost of the project should 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 should be ensured accordingly in a time bound manner. Occupational health data for the last 3 years has to be submitted to the Ministry.
- xvii. 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 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.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The 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 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.
- v. 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.
- viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- ix. 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.
- x. Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
- 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.
- 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 SPCB. 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.
- 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.
- 8. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- The Ministry reserves the right to stipulate additional conditions if found necessary.
 The Company in a time bound manner shall implement these conditions.
- 10. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
- 11. 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.

(Dr. P.L.Ahujarai)

Copy to:

- 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.
- 3. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA, Sector-III, Salt Lake, Kolkata 700091, West Bengal.
- 4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests A-3, Chandrashekharpur, Bhubaneswar 751 023, Orissa
- Adviser (IA-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
- Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
- 7. Guard File.
- 8. Monitoring File.
- 9. Record File.

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