

SIX MONTHLY COMPLIANCE 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 No	Existing		Proposed	
	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	LRF	4,50,200
5	DIP Plant	2,52,000	Pulverised Coal injection Plant	97,200
6	Induction Furnace for DIP Plant	1 x 10T	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 stipulated for existing plant by the Central / State Govt. shall be ensured and regular reports submitted to the Ministry and its Regional Office at Bhubaneswar.	Compliance to all the specific and general conditions stipulated for existing plant by the Central / State Govt. is ensured and regular reports are submitted to the Ministry.
(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/Nm ³ by installing energy efficient technology.	Suitable efforts are being made to reduce RSPM levels in the ambient air. The Air Pollution Equipment we have already developed includes: Venturi Scrubber in the MBF, Bag Filter and IF is installed with EAF and DIP Plant. The latest Stack, Ambient and Work zone air quality reports are attached as Annexure 1-3 .
(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 PM levels within 50 mg/Nm ³ . Fume extraction system shall be provided to induction furnace to control the emissions within the prescribed standards.	There is a provision for a venturi scrubber in the MBF and a bag filter in the EAF, IF, and DIP plant to keep emissions at or below 50 mg/Nm ³ . All the APC devices maintained properly to ensure its efficiency.
(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.	The National Ambient Air Quality Standards issued by the Ministry is being followed. The data for ambient air are sent to the ministry. Latest reports are attached as annexure 2 .
(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 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.	Emissions of all sources of fugitive gases are controlled within the latest permissible limits established by the Ministry, and they are regularly monitored. Guidelines of practice issued by CPCB is being followed strictly. There is no sponge iron plant.

(vi)	<p>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.</p>	<p>Make up water does not exceed the prescribed limit in the compliance condition. A rainwater harvesting system is already installed to ensure maximum water use in the factory. No effluent is discharged and 'zero' discharge is already adopted. Sanitary sewage is treated in septic tank followed by soak pit.</p>
(vii)	<p>Efforts shall be made to make use 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 steel plants.</p>	<p>Genuine Efforts are made to ensure maximum Utilization of rain water from the well-developed rain water harvesting system within the plant. The water consumption does not exceed as per the standard prescribed. Photographs of rain water harvesting plant is attached.</p>
(viii)	<p>Regular monitoring of influent and effluent surface, sub-surface and surface ground water (including chromites) should be ensure 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 carriedout and report submitted to the Ministry's Regional Office, Bhubaneswar, WBPCB and CPCB.</p>	<p>Regular monitoring of influent and effluent, surface water, ground water quality (including chromites) and Leachate study for the effluent generated is carried out. The test report for the above is provided as Annexure 4-8.</p>
(ix)	<p>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.</p>	<p>Slag generated from the blast furnace is sold to neighboring cement manufacturers. All the scrap is used in steel melting shop (SMS) and SMS slag and kiln accretions is properly utilized. All the other solid waste including broken refractory mass is properly disposed off in environment- friendly manner.</p>

(x)	<p>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 unloading and loading of raw material and finished product.</p>	<p>Vehicular pollution due to transportation of raw material and finished products is being controlled with appropriate efforts. Proper arrangements to suppress dust generation in the plant like usage of sprinkler for watering and water tanker for spraying water to inside premises and adjacent outside the boundary wall is carried out to minimize ground pollution.</p> <p>All the vehicles have valid PUC documents.</p>
(xi)	<p>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.</p>	<p>The internal roads are being laid with the provision of paver blocks. Previously the internal roads were black topped. Development of 3-tier avenue plantation using native species around 33% of total plant area has already been developed. See Annexure 9 & 10.</p>
(xii)	<p>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.</p>	<p>Solid wastes are stored, handled, and converted with the utmost care so that they don't create any adverse environmental effects. There is no toxic metal present in the slag.</p> <p>Latest reports are attached as Annexure 8.</p>
(xiii)	<p>As proposed, green belt shall be developed in 33% of plant area as per the CPCB guidelines in consultation with the DFO.</p>	<p>The PP have submitted approval of DFO regarding the survey conducted to assess the number of trees planted and it is certified that 33% of total plant area of 72.84 hectares i.e. equal to 24.04 ha have been developed as green belt and a total 59,895 seedlings have already been planted in the project site.</p>
(xiv)	<p>All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants should be implemented.</p>	<p>Corporate Responsibility for Environment Protection (CREP) Charter recommendations for steel plants are strictly followed.</p>
(xv)	<p>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</p>	<p>With the appropriate budget, all of the commitments made to the public during the Public Hearing/Public Consultation have been implemented.</p>

	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.	This condition is complied with.
(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.	The company is now in operational phase and hence it is not applicable.

B.	GENERAL CONDITIONS :	COMPLIANCE CONDITIONS :
(Oi)	The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board and the State Government.	In addition, the West Bengal State Pollution Control Board stipulations are strictly followed. All the conditions made in the Environmental Clearance are followed. Consent to Operate obtained from WBPCB is attached as Annexure 11 .
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Plant modifications and expansions will not be carried out without approval from 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 19 th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent	Gaseous emissions from different process units comply with the prescribed standards.

	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 PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the SPCB .Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.		A regular ambient air quality measurement is conducted within the plant premises at selected locations. The measured data for PM ₁₀ , SO ₂ , NO _x are attached as annexures and are also sent to the Ministry. Installation and Commissioning of the four CAAQMS have already completed.
(v)	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.		The plant has been designed as zero discharge plant. The entire treated waste water, is recycled for various purposes inside the plant. Industrial wastewater is collected as per norms and treated as per the compliance condition.
(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. 75dBA (day time) and 70 dBA (night time).		Monitoring of overall noise levels at and around the plant has been conducted and all values have been found to be acceptable. Latest noise monitoring reports are attached as Annexure 12 .
(vii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.		In the plant, occupational health surveillance is conducted on a timely basis, and all records are kept in a logbook.
(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.		Rain water harvesting structure is already present Within the factory premises for utilization in the lean season besides recharging the ground water table. Photographs are attached.

(ix)	<p>The project proponent shall also comply with all the environment 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, health care, etc.</p>	<p>The EIA/EMP report recommends the implementation of all environmental protection measures and safeguards. Various socio-economic development activities are undertaken in the surrounding villages like community development programmes, educational programmes, drinking water supply, health care, etc.</p>
(x)	<p>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.</p>	<p>A sufficient amount of fund has been set aside for pollution control measures.</p>
(xi)	<p>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.</p>	<p>Clearance letter has been sent to the concerned local bodies. A copy of EC is attached as Annexure 13.</p>
(xii)	<p>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, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and</p>	<p>Complied with.</p>

	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.	Project proponent submits both hard and soft copies of six monthly compliance report to the authorized Govt. body.
(xiv)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF at Bhubaneswar by e-mail.	Project proponent submits the environmental statement for each financial year ending 31st March in Form-V.
(xv)	The Project Proponent shall inform the public that 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 which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Bhubaneswar.	Complied with.

(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.	Complied with.
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PICTORIAL EVIDENCE

Ambient Air Quality Monitoring



Stack Gas Monitoring



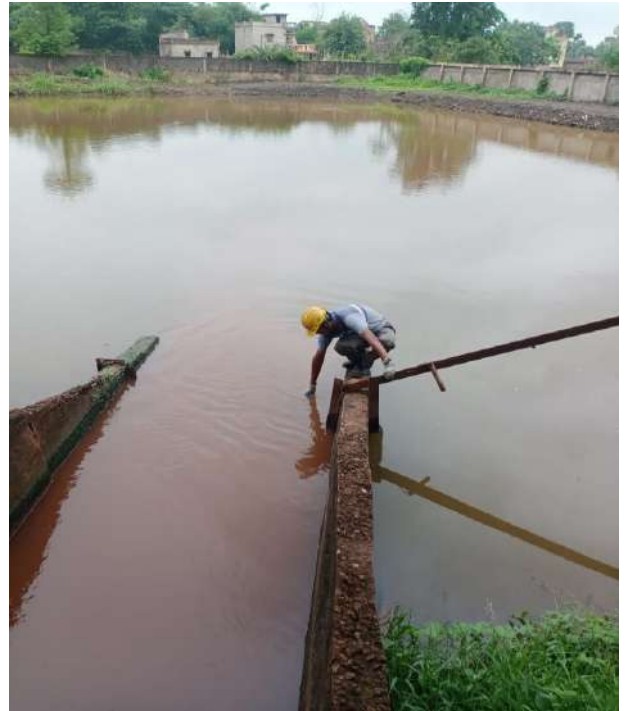
Work Zone Air Monitoring



Noise Monitoring



Effluent water collection



Drinking water collection



Green Belt development



Industrial Safety



Jai Balaji Industries Limited (Unit- III)
Banskopa, Rajbandh, Kanksa, Durgapur - 12, Paschim Bardhaman (W.B.)

ENVIRONMENTAL INFORMATION

1. Consent to Operate Certificate : 1302/dr-CO-5/12/0031 Dt.31.07.2019 valid-31.07.2024

2. Hazardous Waste Certificate No. : In Progress

3. Stack Analysis Report As on - 25.03.2022

Parameter	Concentration Limit	MBF-1	MBF-2	Sinter - Head ESP	Sinter - Tail ESP	DIP
PM (mg/Nm ³)	50	43.05	46.23	21.36	33.25	16.03
CO % (v/v)	1	< 1.0	< 1.0	< 1.0	-	-

4. Liquid Effluent Analysis Report As on - 25.03.2022

Parameter	Concentration Limit	Result
pH	5 - 9.0	6.96
TSS (mg/l)	100	20.00
BOD (3days 27 c)(mg/l)	30	2.00
COD (mg/l)	250	10.00
Oil & Grease(mg/l)	10	< 1.00
Other	-	-

5. Hazardous Chemicals Stock as on -

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

6. Hazardous Wastes Stock as on- 17.05.2022

Name of the Hazardous Waste	Generation/Annum	Storage/ Diposal
A Used Oil (5.1)	0.255 MT/A	0.51 MT/A
B Used Cotton (5.2)	0.015 MT/A	0.03 MT/A
C Other (36.2)	0.003 MT/A	0.006 MT/A

CAAQMS



ANNEXURE 1



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/I	Report No.	: ENV/67/Sep./TR(A)/I/22-23		

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 & Ladder	: Yes
Working Fuel Consumption	: 3000 - 3500 Nm ³ /hr.		
Pollution Control Device	: E.S.P		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 129.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 8.46	N.A.
4.	Quantity of Gas flow	Nm ³ /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 Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 16.56	50.0

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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Overseas : UAE ■ Qatar ■ Netherlands



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/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.)	: 3.50
Capacity	: 60 m ²	Height of sampling port (mtr.) (from G.L.)	: 20.0
Emission Due to	: During Processing (Cooling of Sinter)		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: E.S.P		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 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	Nm ³ /hr.	IS : 11255 (Part III)	: 264375.59	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11(Vol. 3 11.07) : 2011	: 19.18	50.0

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

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/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 & Ladder	: Yes
Working Fuel Consumption	: 16000 - 18000 Nm ³ /hr.		
Pollution Control Device	: G.C.P consists of Dust Catcher, Saturator, Venturi Scrubber & Cyclone Separator		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 230.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.47	N.A.
4.	Quantity of Gas flow	Nm ³ /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 Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 21.78	50.0

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

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



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/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)		
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 & Ladder	: Yes
Working Fuel Consumption	: 16000 - 18000 Nm ³ /hr.		
Pollution Control Device	: G.C.P consists of Dust Catcher, Saturator, Venturi Scrubber & Cyclone Separator		

B. RESULTS

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

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

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./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	Height of Stack (mtr.) (from G. L.)	: 30.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.0
Capacity	: 20 TPD x 3	Height of sampling port (mtr.) (from G.L.)	: 20.0
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		

B. RESULTS

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

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

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/VI	Report No.	: ENV/67/Sep./TR(A)/VI/22-23		

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 & Ladder	: Yes
Working Fuel Consumption	: --		
Pollution Control Device	: Bag Filter		

B. RESULTS

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

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

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/VII	Report No.	: ENV/67/Sep./TR(A)/VII/22-23		

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
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 & Ladder	: Yes
Working Fuel Consumption	: 16000 Nm ³ /hr.		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 141.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 751.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.92	N.A.
4.	Quantity of Gas flow	Nm ³ /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 Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 19.15	25.0

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

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/VIII	Report No.	: ENV/67/Sep./TR(A)/VIII/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
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.40
Capacity	: 125 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 Consumption	: Nil		
Pollution Control Device	: Cyclone Separator & Bag Filter		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	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	Nm ³ /hr.	IS : 11255 (Part III)	: 42500.24	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 12.59	25.0

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

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/IX	Report No.	: ENV/67/Sep./TR(A)/IX/22-23		

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.)	: 1.40
Capacity	: 65 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 Consumption	: Nil		
Pollution Control Device	: Cyclone Separator & Bag Filter		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	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)	: 8.58	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 42870.22	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 14.28	25.0

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

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/X	Report No.	: ENV/67/Sep./TR(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.)	: 1.40
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 & Ladder	: 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	°C	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)	: 8.09	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 39813.16	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 15.59	25.0

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

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/XI	Report No.	: ENV/67/Sep./TR(A)/XI/22-23		

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.)	: 1.40
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 Consumption	: Nil		
Pollution Control Device	: Cyclone Separator & Bag Filter		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	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	Nm ³ /hr.	IS : 11255 (Part III)	: 40290.03	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 11.26	25.0

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

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/67/Sep./A/XII	Report No.	: ENV/67/Sep./TR(A)/XII/22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: D. G. - 82.5 KVA (MBF) (Acoustic Enclosure attached)		
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 & Ladder	: No
Working Fuel Consumption	: 10 - 12ltr./hr.		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 128.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 15.58	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 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 Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 21.60	150.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJAY PAUL
Quality Manager

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 Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/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.)	: 0.254
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 & Ladder	: No
Working Fuel Consumption	: 60 - 70 liter./hr.		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 260.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 17.24	N.A.
4.	Quantity of Gas flow	Nm ³ /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 Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 71.83	150.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

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Overseas : UAE ■ Qatar ■ Netherlands



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/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 Enclosure 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 & Ladder	: No
Working Fuel Consumption	: 50 - 60 liter./hr.		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 269.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 752.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 16.69	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 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 Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 68.22	150.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

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Overseas : UAE ■ Qatar ■ Netherlands

ANNEXURE 2



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022 - 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/67/Sep./A/XV	Report No.	: ENV/67/Sep./TR(A)/XV/22-23		

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Mostly Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.69	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	89.12	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	18.08	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	38.50	80.0

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 :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022 - 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/67/Sep./A/XVI	Report No.	: ENV/67/Sep./TR(A)/XVI/22-23		

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Mostly Cloudy

C] RESULTS

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

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJJOY PAUL
Quality Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022 - 14.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/67/Sep./A/XVI	Report No.	: ENV/67/Sep./TR(A)/XVI/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] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 78.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

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

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 :

Dr. AJJOY PAUL
Quality Manager



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022 - 14.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/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] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 78.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	51.68	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.07	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	9.24	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	26.52	80.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJOY PAUL
Quality Manager

ANNEXURE 3



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XIX	Report No.	: ENV/67/Sep./TR(A)/XIX/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

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	426.03	5000.0

Remarks : Limit as per the Factory - 1948.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJJOY PAUL
Quality Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XIX	Report No.	: ENV/67/Sep./TR(A)/XIX/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

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

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Approved By :

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Quality Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XX	Report No.	: ENV/67/Sep./TR(A)/XX/22-23		

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

1. Average Temperature (°C) : 30.0
2. 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/m ³	NIOSH 0500 : 1994	340.60	5000.0

Remarks : Limit as per the Factory - 1948.

Reviewed By :

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Approved By :

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ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XX	Report No.	: ENV/67/Sep./TR(A)/XX/22-23		

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

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 76.0
3. Barometric Pressure (mm of Hg) : 751.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJOY PAUL
Quality Manager



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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XXI	Report No.	: ENV/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

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

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

Remarks : Limit as per the Factory - 1948.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XXI	Report No.	: ENV/67/Sep./TR(A)/XXI/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

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	230.82	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	18.08	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	28.04	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XXI	Report No.	: ENV/67/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

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	430.10	5000.0

Remarks : Limit as per the Factory - 1948.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJOY PAUL
Quality Manager



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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of analysis	: 17.09.2022 - 20.09.2022		
		Date of Issue	: 22.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/67/Sep./A/XXI	Report No.	: ENV/67/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

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 752.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Dr. AJOY PAUL
Quality Manager

ANNEXURE 4



ENVIROCHECK

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Surface Water
Location	: Rain Water Collection Pond	Report No.	: ENV/500/TR(W)/M/22-23		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	-	7.11
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	24.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 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 :

**(Durbadal Chakraborty)
(Dy. Quality Manager)**

Approved By :

**(Dr. Ajoy Paul)
(Quality Manger)**

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ANNEXURE 5



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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Raw Water
Location	: ADDA Pipe Line Supply	Report No.	: ENV/500A/TR(W)/M/22-23		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	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 :

(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :

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ANNEXURE 6



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FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of Analysis	: 16.09.2022 – 21.09.2022		
		Date of Issue	: 23.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: MBF Division Tap	ULR No.	: TC601422000000314F		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)	
					Acceptable	Permissible
1.	pH	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

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FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of Analysis	: 16.09.2022 – 21.09.2022		
		Date of Issue	: 23.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: MBF Division Tap	ULR No.	: TC601422000000314F		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)	
					Acceptable	Permissible
1.	Total Solids	APHA 23 rd Ed., 2540 B : 2017	mg/l	810.0	N.A.	N.A.
2.	Dissolved Oxygen	APHA 23 rd 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 :

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of Analysis	: 16.09.2022 – 17.09.2022		
		Date of Issue	: 23.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: MBF Division Tap	ULR No.	: TC601422000000314F		

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 :

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FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of Analysis	: 16.09.2022 – 21.09.2022		
		Date of Issue	: 23.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: Canteen Tap	Report No.	: ENV/314A/TR(W)/M/22-23		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)	
					Acceptable	Permissible
1.	pH	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

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FORMAT NO.ENV/FM/55

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of Analysis	: 16.09.2022 – 21.09.2022		
		Date of Issue	: 23.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: Canteen Tap	Report No.	: ENV/314A/TR(W)/M/22-23		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)	
					Acceptable	Permissible
1.	Total Solids	APHA 23 rd Ed., 2540 B : 2017	mg/l	760.0	N.A.	N.A.
2.	Dissolved Oxygen	APHA 23 rd 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 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	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 :

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 13.09.2022		
		Period of Analysis	: 16.09.2022 - 17.09.2022		
		Date of Issue	: 23.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: Canteen Tap	Report No.	: ENV/314A/TR(W)/M/22-23		

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

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

ANNEXURE 7



ENVIROCHECK

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



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

PARAMETERS (mg/l.)

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

Reviewed By :

(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul)
(Quality Manger)

ANNEXURE 8



ENVIROCHECK

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



TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Slag
Location	: DIP Induction Furnace	Report No.	: ENV/500C/TR(S)/M(i)/22-23		

<u>Sl. No.</u>	<u>PRAMETERS</u>	<u>RESULTS</u>
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 :


(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :


(Dr. Ajoy Paul)
(Quality Manger)



ENVIROCHECK

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



TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Slag
Location	: DIP Mg Converter DVS Analysis	Report No.	: ENV/500C/TR(S)/M(ii)/22-23		

<u>Sl. No.</u>	<u>PRAMETERS</u>	<u>RESULTS</u>
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 :


(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :


(Dr. Ajoy Paul)
(Quality Manger)



ENVIROCHECK

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



TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Slag
Location	: DIP Zinc Coating Dust	Report No.	: ENV/500C/TR(S)/M(iii)/22-23		

<u>Sl. No.</u>	<u>PRAMETERS</u>	<u>RESULTS</u>
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 :


(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :


(Dr. Ajoy Paul)
(Quality Manger)



ENVIROCHECK

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



TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Slag
Location	: MBF Slag	Report No.	: ENV/500C/TR(S)/M(iv)/22-23		

<u>Sl. No.</u>	<u>PRAMETERS</u>	<u>RESULTS</u>
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 :


(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :


(Dr. Ajoy Paul)
(Quality Manger)



ENVIROCHECK

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



TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Slag
Location	: MBF Ladle Crusher Material	Report No.	: ENV/500C/TR(S)/M(v)/22-23		

<u>Sl. No.</u>	<u>PRAMETERS</u>	<u>RESULTS</u>
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 :


(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :


(Dr. Ajoy Paul)
(Quality Manger)



ENVIROCHECK

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




TEST REPORT

Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)	Type of Industry	: Steel Plant		
Address	: Banskopa, Rajbandh, Durgapur, Paschim Burdwan, Pin - 713212	Sampling Date	: 12.09.2022		
		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	: Slag
Location	: MBF Thickner	Report No.	: ENV/500C/TR(S)/M(vi)/22-23		

<u>Sl. No.</u>	<u>PRAMETERS</u>	<u>RESULTS</u>
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 :


(Durbadal Chakraborty)
(Dy. Quality Manager)

Approved By :


(Dr. Ajoy Paul)
(Quality Manger)

ANNEXURE 9

GREEN BELT AREA HAVING TREES @1500/HECTARE

SL NO.	Location	Area in	No. of Tree
		Hectare	@1500/Hectare.
A	N.H-2 Road(DIP Plant) side	3.635	5452
B	DIP PLANT (East Side)	3.175	4762
C	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
H	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
		Hectare	@2500/Hectare.
M	RESERVOIR, (East Side)	5.830	14575
	TOTAL GREEN BELT @ 33%	24.040	41895

33 % Green Belt development has been completed.

ANNEXURE 10

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/d2-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 Balaji Industries Limited (Unit III)

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

(hereinafter referred to as Applicant) for its unit located at Vill - Banskepa,

P.O - Rajbandh, P.S - Kanksa, Paschim Bardhaman -
713212

(Detailed address of the manufacturing unit)

for a period from 01/08/2019 to 31/07/2024

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 unit should comply with all the terms and conditions stipulated in the 'Environmental Clearance' and 'Consent to Establish'. Compliance Report in respect of 'Environmental Clearance' should be submitted immediately.

For and on behalf of the State Board

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

Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board



(2)

ANNEXURE

Consent to Jai Balaji Industries Limited (Unit III)
for its unit at VIAA - Bamkopa, P.O - Rajbandh,
P.S - Kanksa, Paschim Bardhaman - 713212


Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Billet	37500MT
02	DI Pipes	21000MT
03	PIG Iron & Hot Metal	42000MT
04	Sinter	50688MT
05	VPSU	500MT
06	ASU	3360MT
07	Granulated Slag (By Product)	16800MT
08	Ferro Wastage Scrap (By Product)	2600MT
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed KL.
04. Daily discharge of domestic liquid effluent shall not exceed 80.00 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed KL.
06. The Applicant shall discharge liquid effluent to Outside drain (place of discharge) through One nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

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


21/12/2019
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

Continued.....

Consent to⁽³⁾ Jai Balaji Industries Limited (Unit III).....
 for its unit at VITP - Bamkopa, P.O - Rajbandh, P.S - Kanksa,
Paschim Bardhaman - 713212.....

Table-I

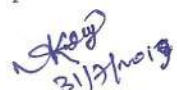
Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Domestic	pH	Between: 5.5 to 9.0	Yearly
		Total Suspended Solids	Not to exceed: 150 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed: 250 mg/l.	
		Oil & Grease	Not to exceed: 10 mg/l.	

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

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

- Industrial cooling, spraying in mine pits and boiler feed water → 4089.00.....KL
 (Water used for gardening should be included in this category of use) (Re-circulated)
- 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.


Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board
 Continued.....

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

(4)


Consent to Jai Balaji Industries Limited (Unit II)
for its unit at Village- Bamkopa, P.O- Rajbandh, P.S- Kamksa,
Paschim Bardhaman- 713212

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

Table-II

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

As per Annexure I


31/3/2019
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board
(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Junior Env. Engr.)

(5)

Consent to Jai Balaji Industries Limited (Unit III)
 for its unit at VIP- Banskopa, P.O- Rajbandh, P.S- Kamka,
Paschim Bardhaman - 713212

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

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

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	BF Gas	60,000,00 Nm ³ /month	Sinter Plant, MBF & Annealing
02	Coke	30,300 MT/month	MBF & Sinter Plant
03	Coke breeze fines	2,534 MT/month	MBF & Sinter Plant
04	HSD	-	Dih 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	Disposal
	Pl. Res.	Annealing	

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

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

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

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

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

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

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

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

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

K. S. S.
 31/01/2019
 Environmental Engineer
 Durgapur Regional Office
 West Bengal Pollution Control Board

Consent to Jai Balaji Industries Limited (Unit III)
for its unit at V.I.P.P - Banskopa, P.O - Rajchandh, P.S - Kamksa,
Paschim Bardhaman - 713212

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

* This Consent may be revoked subject to any valid public complaint against the unit for violation of environmental norms.

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

31/7/2019
Environmental Engineer,
Durgapur Regional Office
West Bengal Pollution Control Board

Annexure I 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

Sl No.	Stack height from GL (in mts.)	Stack attached to (Sources & control system, if any)	Volume Nm ³ /hr	Velocity of gaseous emission (m/sec)	Concentration of parameters not to exceed			Frequency of sampling
					SPM (mg./Nm ³)	CO (%v/v)		
S-1	30.0	Arc Furnace (SMS Plant, Bag Filter)	-	-	50	-	-	Quarterly
S-2	100.00	Sinter Machine (Head ESP)	-	-	50	-	-	Quarterly
S-3	50.00	Sinter Machine (Tail ESP)	-	-	50	-	-	Quarterly
S-4	50.00	MBF-I with Stove (GCP, Dust Catcher)	-	-	50	1	-	Quarterly
S-5	50.00	MBF-II with Stove (GCP, Dust Catcher)	-	-	50	1	-	Quarterly
S-6	30.00	Induction Furnace (Bag Filter)	-	-	50	-	-	Quarterly
S-7	30.00	Magnesium Converter (Bag Filter)	-	-	25	-	-	Twice in a year
S-8	36.00	Annealing Furnace	-	-	25	-	-	Twice in a year
S-9	30.00	Zinc Coating Machine 1 (Bag Filter)	-	-	25	-	-	Twice in a year
S-10	30.00	Zinc Coating Machine 2 (Bag Filter)	-	-	25	-	-	Twice in a year
S-11	30.00	Zinc Coating Machine 3 (Bag Filter)	-	-	25	-	-	Twice in a year
S-12	30.00	Zinc Coating Machine 4 (Bag Filter)	-	-	25	-	-	Twice in a year
S-13	10.50	Diesel Generator Set of Capacity 2 x 500KVA	-	-	150	1	-	Yearly
S-14	10.50	Diesel Generator Set of Capacity 1 x 82.50KVA	-	-	150	1	-	Yearly

For and on behalf of the Board

Key
31/3/2019

(Member-Secretary / Chief Engineer / Sr. Engr. Engr./Env. Engr./Engr. / Jt. Engineer / Jt. Scientist)
West Bengal Regional Pollution Control Board
Durgapur 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

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

For and on behalf of the Board

Kay
31/12/2019
(Member Secretary / Chief Engineer / Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr. / Jr. Scientist)
Environmental Engineer
Durgapur Regional Office
West Bengal Pollution Control Board

ANNEXURE 12



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/1/22-23
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 LEVEL STUDY

Time : 7:00 - 7:20 A.M

DAY TIME

1. Location : Truck Movement Area (RM Yard)				Sample Code : (ENV/NOISE/01/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				68.07	

Reviewed By:

J. Banerjee
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/2/22-23
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 LEVEL STUDY

Time : 7:30 - 7:50 A.M

DAY TIME

2. Location : Between IOB Plant & Mobile Screen (RM Yard)		Sample Code : (ENV/NOISE/02/21-22)			
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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	
04.	dB(A)	72.0	76.5	74.81	
Average dB(A) Leq				71.55	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/3/22-23
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 LEVEL STUDY

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

DAY TIME

3. Location : Sinter Machine - End 1 (Sinter Plant)				Sample Code : (ENV/NOISE/03/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	78.2	80.1	79.25	East Side
02.	dB(A)	77.6	82.3	80.56	West Side
03.	dB(A)	80.4	83.6	82.29	North Side
04.	dB(A)	79.3	83.9	82.18	South Side
Average dB(A) Leq				81.07	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/4/22-23
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 LEVEL STUDY

Time : 08:25 - 08:45 A.M

DAY TIME

4. Location : Sinter Machine - End 2 (Sinter Plant)				Sample Code : (ENV/NOISE/04/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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				80.29	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Raul
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/5/22-23
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 LEVEL STUDY

Time : 08:50 - 09:10 A.M

DAY TIME

5. Location : PHC J-2 Crusher Ground Floor (Sinter Plant)				Sample Code : (ENV/NOISE/05/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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				81.00	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Band
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	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 LEVEL STUDY

Time : 09:15 - 09:35 A.M

DAY TIME

6. Location : PHC J-2 Crusher 1st Floor (Sinter Plant)

Sample Code : (ENV/NOISE/06/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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	

Reviewed By:

J. Chandra
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/7/22-23
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 LEVEL STUDY

Time : 09:40 - 10:00 A.M

DAY TIME

7. Location : PHC J-2 Crusher 2nd Floor (Sinter Plant)

Sample Code : (ENV/NOISE/07/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
04.	dB(A)	78.2	82.3	80.72	South Side
Average dB(A) Leq				79.73	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Raul
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/8/22-23
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 LEVEL STUDY

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

DAY TIME

8. Location : Disc Feeder (Sinter Plant)				Sample Code : (ENV/NOISE/08/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
04.	dB(A)	78.2	82.3	80.72	South Side
Average dB(A) Leq				79.73	

Reviewed By:

J. B. Kundu
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/9/22-23
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 LEVEL STUDY

Time : 10:40 - 11:00 A.M

DAY TIME

9. Location : B/T PH and Head ESP (Sinter Plant)

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

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				76.87	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/10/22-23
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 LEVEL STUDY

Time : 11:10 - 11:30 A.M

DAY TIME

10. Location : Hot Screen (Sinter Plant)		Sample Code : (ENV/NOISE/10/21-22)			
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.3	81.2	79.00	East Side
02.	dB(A)	76.8	82.6	80.60	West Side
03.	dB(A)	80.4	84.1	82.63	North Side
04.	dB(A)	78.5	83.4	81.61	South Side
Average dB(A) Leq				80.96	

Reviewed By:

Jelanta
Dy. Quality Manager

Approved By:

Band
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/11/22-23
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 LEVEL STUDY

Time : 11:40 - 12:00 A.M

DAY TIME

11. Location : Cold Screen (Sinter Plant)				Sample Code : (ENV/NOISE/11/20-21)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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				80.05	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

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



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/12/22-23
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 LEVEL STUDY

Time : 12:10 - 12:30 P.M

DAY TIME

12. Location : Pump House (Sinter Plant)

Sample Code : (ENV/NOISE/12/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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				80.62	

Reviewed By:

Jelanka
Dy. Quality Manager

Approved By:

Biswarup Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/13/22-23
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 LEVEL STUDY

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

DAY TIME

13. Location : Blast Furnace - 1 (MBF)

Sample Code : (ENV/NOISE/13/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	80.1	83.4	82.06	East Side
02.	dB(A)	79.3	82.1	80.92	West Side
03.	dB(A)	78.4	81.0	79.89	North Side
04.	dB(A)	79.8	81.5	80.73	South Side
Average dB(A) Leq				80.90	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Ravi
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/14/22-23
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 LEVEL STUDY

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

DAY TIME

14. Location : Blast Furnace - 2 (MBF)

Sample Code : (ENV/NOISE/14/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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	

Reviewed By:

Balukol
Dy. Quality Manager

Approved By:

Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/15/22-23
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 LEVEL STUDY

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

DAY TIME

15. Location : RMHS Day Bin Outer Wall (MBF)				Sample Code : (ENV/NOISE/15/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	71.2	74.8	73.36	East Side
02.	dB(A)	74.3	79.2	77.41	
03.	dB(A)	72.5	80.1	77.79	North Side
04.	dB(A)	70.6	78.5	76.14	South Side
Average dB(A) Leq				76.18	

Reviewed By:

Jelanta
Dy. Quality Manager

Approved By:

Rand
Quality Manager

>End of Report<



ENVIROCHECK

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

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/16/22-23
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 LEVEL STUDY

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

DAY TIME

16. Location : RMHS Bay Bin Ground Floor (MBF)

Sample Code : (ENV/NOISE/16/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
04.	dB(A)	71.6	83.5	80.76	South Side
Average dB(A) Leq				79.58	

Reviewed By:

Jalankaf
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/17/22-23
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 LEVEL STUDY

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

DAY TIME

17. Location : RMHS Bay Bin 1st Floor (MBF)

Sample Code : (ENV/NOISE/17/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	76.2	82.0	80.00	East Side
02.	dB(A)	79.4	84.1	82.36	West Side
03.	dB(A)	77.5	82.3	80.53	North Side
04.	dB(A)	78.3	83.8	81.87	South Side
Average dB(A) Leq				81.19	

Reviewed By:

J. Chandra
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/18/22-23
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 LEVEL STUDY

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

DAY TIME

18. Location : B/T Compressor & Blower House Room (MBF)				Sample Code : (ENV/NOISE/18/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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:

Jelanka
Dy. Quality Manager

Approved By:

Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/19/22-23
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 LEVEL STUDY

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

DAY TIME

19. Location : Pump House (MBF)

Sample Code : (ENV/NOISE/19/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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				80.85	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Band
Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/20/22-23
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 LEVEL STUDY

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

DAY TIME

20. Location : Induction Furnace (DIP)				Sample Code : (ENV/NOISE/20/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.2	80.0	77.81	East Side
02.	dB(A)	76.9	79.8	78.59	West Side
03.	dB(A)	74.8	78.5	77.03	North Side
04.	dB(A)	77.9	79.3	78.66	South Side
Average dB(A) Leq				78.02	

Reviewed By:

Jalankol
Dy. Quality Manager

Approved By:

Band
Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/21/22-23
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 LEVEL STUDY

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

DAY TIME

20. Location : Annealing Furnace (DIP)				Sample Code : (ENV/NOISE/21/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
04.	dB(A)	75.4	79.8	78.13	South Side
Average dB(A) Leq				77.72	

Reviewed By:

J. Chandra
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/22/22-23
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 LEVEL STUDY

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

DAY TIME

22. Location : Centrifugal Casting Machine (DIP)

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

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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				80.14	

Reviewed By:

Jelanka
Dy. Quality Manager

Approved By:

Rand
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
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/23/22-23
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 LEVEL STUDY

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

DAY TIME

23. Location : Magnesium Converter (DIP)				Sample Code : (ENV/NOISE/23/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	75.4	79.3	77.77	East Side
02.	dB(A)	78.0	81.3	79.96	West Side
03.	dB(A)	76.3	82.0	80.02	North Side
04.	dB(A)	78.9	83.5	81.78	South Side
Average dB(A) Leq				79.88	

Reviewed By:

J. Chandra
Dy. Quality Manager

Approved By:

[Signature]
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	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 LEVEL STUDY

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

DAY TIME

24. Location : Zinc Casting (DIP)

Sample Code : (ENV/NOISE/24/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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	

Reviewed By:

J. Chakraborty
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



ENVIROCHECK

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

TEST REPORT

1.	Name of the Industry	:	Jai Balaji Industries Ltd. (Unit # III)
2.	Address	:	Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/220/M/N
8.	Report ID	:	ENV/220/M/(TR)N/25/22-23
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 LEVEL STUDY

Time : 1:50 - 2:00 P.M

DAY TIME

25. Location : Cement Grinding (DIP)				Sample Code : (ENV/NOISE/25/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				82.03	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Abu
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/26/22-23
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 LEVEL STUDY

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

DAY TIME

26. Location : Hydrostatic Pressure Testing Machine (DIP)

Sample Code : (ENV/NOISE/26/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	81.3	83.1	82.29	East Side
02.	dB(A)	78.3	81.8	80.39	West Side
03.	dB(A)	79.5	82.6	81.32	North Side
04.	dB(A)	80.1	84.8	83.06	South Side
Average dB(A) Leq				81.77	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Rand
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/27/22-23
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 LEVEL STUDY

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

DAY TIME

27. Location : Dispatch Area (DIP)

Sample Code : (ENV/NOISE/27/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	72.3	78.5	76.42	East Side
02.	dB(A)	75.8	79.3	77.89	West Side
03.	dB(A)	77.8	80.1	79.10	North Side
04.	dB(A)	74.9	78.3	76.92	South Side
Average dB(A) Leq				77.58	

Reviewed By:

Jalankop
Dy. Quality Manager

Approved By:

Rand
Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/28/22-23
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 LEVEL STUDY

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

DAY TIME

28. Location : Pump House (DIP)				Sample Code : (ENV/NOISE/28/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				82.64	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Biswarup
Quality Manager

>End of Report<



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TC-6014

FORMAT NO. : ENV/FM/53

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 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/29/22-23
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 LEVEL STUDY

Time : 4:00 - 4:20 P.M

DAY TIME

29. Location : Oxygen Compressor (O ₂ Plant)					Sample Code : (ENV/NOISE/29/21-22)
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				84.09	

Reviewed By:

J. B. Chakraborty
Dy. Quality Manager

Approved By:

B. Kundu
Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/30/22-23
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 LEVEL STUDY

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

DAY TIME

30. Location : North Side - Samadhi Area (AAQMS)				Sample Code : (ENV/NOISE/30/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	53.5	60.6	58.36	East Side
02.	dB(A)	56.8	63.5	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
Average dB(A) Leq				61.09	

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

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	47.5	52.5	50.68	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
Average dB(A) Leq				51.20	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/31/22-23
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 LEVEL STUDY

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

DAY TIME

31. Location : Eastern Side - Security Barrack (AAQMS)

Sample Code : (ENV/NOISE/31/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq					

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

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	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
Average dB(A) Leq				51.28	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Ban
Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/32/22-23
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 LEVEL STUDY

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

DAY TIME

32. Location : South Side - South to RM Yard (AAQMS)

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

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				61.03	

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

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	48.6	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
Average dB(A) Leq				52.93	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/33/22-23
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 LEVEL STUDY

Time : 04:30 - 04:50 P.M

DAY TIME

33. Location : Western Side - EPIP Boundary (AAQMS)

Sample Code : (ENV/NOISE/33/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				62.11	

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

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	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
Average dB(A) Leq				52.82	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry	: Jai Balaji Industries Ltd. (Unit # III)
2.	Address	: Village - Banskopa, P.O - Rajbandh, Durgapur, District - Burdwan, Pin - 713212
3.	Type of Industry	: Integrated Steel Plant
4.	Sampling Plan & Procedure	: ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Noise
7.	Sample ID	: ENV/220/M/N
8.	Report ID	: ENV/220/M/(TR)N/34/22-23
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 LEVEL STUDY

Time : 5:00 - 5:20 P.M

DAY TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
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
Average dB(A) Leq				63.45	

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

NIGHT TIME

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	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
Average dB(A) Leq				54.89	

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Rand
Quality Manager

>End of Report<

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.

3. Following are the existing and proposed facilities (ultimate capacity) along with their production capacities:

S.No.	Units	Production (TPA)
Existing		
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

Proposed :		
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 :

- i. 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.

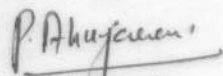
- x. Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.
- xi. All internal roads shall be black topped. The roads shall 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:

- i. The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board and the State Government.
- ii. 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 from 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, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

- xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.
- xiv. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.
- xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar.
- xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
8. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9. 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.Ahujara)
Scientist -F

Copy to:

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

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