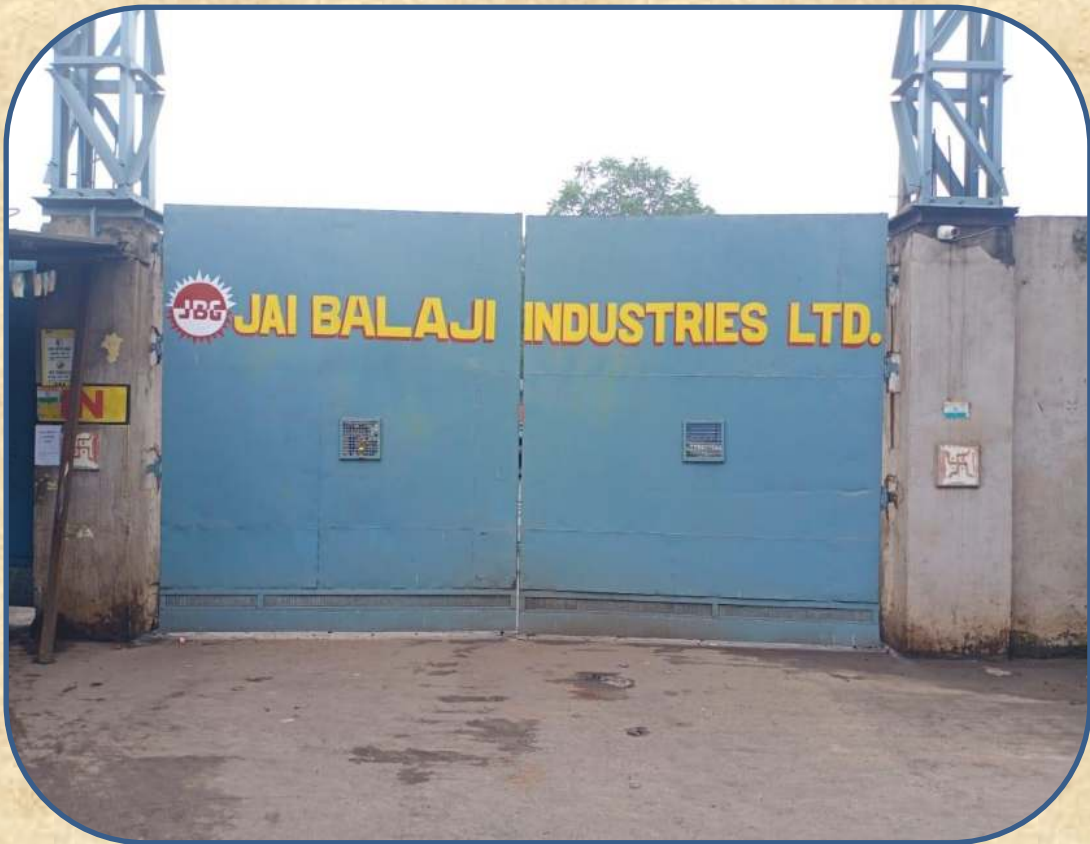


SIX MONTHLY COMPLIANCE REPORT

SESSION: APRIL 2022 – SEPTEMBER 2022

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

Unit- IV



IN RESPECT OF:

JAI BALAJI INDUSTRIES LIMITED

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

INTRODUCTION

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

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

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

COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

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

**Address: Village – Banskopa, P.O. – Rajbandh, dist. –
Burdwan, West Bengal**

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

Period of Compliance Report: April 2022 - September 2022

A. SPECIFIC CONDITIONS:

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

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

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

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

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

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

B. GENERAL CONDITIONS

Sl.	COMPLIANCE CONDITIONS	COMPLIANCE STATUS
i.	The Project Authorities must strictly adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.	According to the stipulations made by the WBPCB and the State Government, Consent to Operate obtained from WBPCB is attached as Annexure 7 .
ii.	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry of Environment and Forest.	No further expansion or modification of the plant will be carried out without prior approval of this Ministry of Environment and Forest
iii.	The gaseous emission from various process units shall conform to the load/mass based standards notified by the 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.	The gaseous emission from various process units is analyzed by NABL accredited Laboratory and results conforms to the prescribed standards.
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.	Ambient Air Quality monitoring is conducted on regular basis to keep the ground level concentration of the pollutants within the permissible limit. Both Stack emission and ambient air quality analysis along with data compilation are conducted by NABL accredited Laboratory. The latest test results are attached as Annexures 1 and 2 .

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 from time to time. The treated wastewater shall be utilized for plantation purpose.	Industrial wastewater is being collected and treated so as to conform to the standards prescribed. The treated wastewater is reused for Greenbelt development and other uses. The test reports for Effluent and Drinking water are attached as Annexure 4-5 .
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 shall conform to the standards prescribed under Environmental Protection Act, 1989 Rules viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise levels in and around the plant area is kept well within the standards. The latest test reports are attached as per Annexure – 6 .
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factory Act.	Occupational health surveillance of the workers is being done on a regular basis.
viii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Well-developed Rain water harvesting structure is already installed 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.	Compliance with all the environmental protection measures and safeguards recommended in the EIA/EMP report are being implemented. Further, various socio-economic development activities are undertaken in the adjoining villages.

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 of Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	The fund earmarked towards the capital cost and recurring cost/annum for environmental pollution control measures is utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government.
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 website of the company by the proponent.	This condition is complied with. A copy of clearance letter is attached in Annexure 8 .
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Bhubaneswar, the respective Zonal Office of CPCB and the CECB. The criteria pollutant levels namely. PM ₁₀ , SO ₂ , 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	The status of compliance of the stipulated environment clearance conditions, including results of monitored data is displayed on the company's website and is updated periodically. The analysis of PM ₁₀ , SO ₂ , NO _x are being conducted by the NABL accredited laboratory, M/s. ENVIROCHECK. The test results are being displayed at the main gate of the company.

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

	newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	
xvi.	Project Authorities shall inform the Regional 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.	The project was approved in February, 2007 by the Board of Directors and the land development work started in September, 2007.

ANNEXURE 1



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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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



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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

: N.A. means Not Available.

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
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E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULT

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

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Quality Manager

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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Induction Furnace (No. 3)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	15 MT/Heat/Furnace
Emission Due to	:	Melting of Scraps & Hot Metal
Fuel Used	:	N.A. (Electrically Operated)
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Spark arrester & Bag Filter

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

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Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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



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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Stove of MBF (No.2)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 45 m ³
Emission Due to	: Combustion of B. F. Gas
Fuel Used	: B. F. Gas
Working Fuel Consumption	: 2800 - 3000 Nm ³ /hr.
Pollution Control Device	: GCP consists Dust Catcher, Saturator, Venturi Scrubber & Cyclone Separator

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	140.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	753.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	11.24	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	14212.35	N.A.
5.	Concentration of SO ₂	mg/Nm³	IS 11255 (Part 2) 1985 RA 2003	45.71	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	6.0	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	41.78	150.0

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
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E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

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

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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



TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

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



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TEST REPORT

FORMAT NO : ENV/FM/38

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

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
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ANNEXURE 2



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/37

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

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

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/37

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

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

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/37

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/37

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

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

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/37

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

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

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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ANNEXURE 3



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULT

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

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TC-6014

TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULT

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

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULT

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

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULT

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

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULT

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

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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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TEST REPORT

FORMAT NO : ENV/FM/57

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULT

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

Remarks : Limit as per the Factory Act – 1948.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

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

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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ANNEXURE 4



ENVIROCHECK

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FORMAT NO. ENV/FM/40

TEST REPORT

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

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

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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FORMAT NO.ENV/FM/40

TEST REPORT

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

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

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager



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FORMAT NO. ENV/FM/40

TEST REPORT

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

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

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

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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FORMAT NO.ENV/FM/40

TEST REPORT

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

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

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJAY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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ANNEXURE 5



ENVIROCHECK

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FORMAT NO.ENV/FM/55

TEST REPORT

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

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

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

b) N.A. means Not Available.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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FORMAT NO.ENV/FM/55

TEST REPORT

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

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

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

b) N.A. means Not Available.

c) BDL indicates Below Detection Limit.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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FORMAT NO. ENV/FM/55

TEST REPORT

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

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

Remarks : a) CFU indicates Colony Forming Unit.

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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ANNEXURE 6



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

2. Location : Primary Crusher (Coke Oven)				Sample Code : (ENV/NOISE/02/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.2	78.6	76.93	East Side
02.	dB(A)	73.5	80.4	78.20	West Side
03.	dB(A)	74.6	79.9	78.01	North Side
04.	dB(A)	75.3	80.2	78.41	South Side
Average dB(A) Leq				77.88	

Reviewed By:

30/09/22
Dy. Quality Manager

Approved By:

[Signature]
Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

Time : 9:00 – 9:20 A.M

DAY TIME

3. Location : Secondary Crusher (Coke Oven)

Sample Code : (ENV/NOISE/03/21-22)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.5	80.9	78.27	East Side
02.	dB(A)	71.3	79.4	77.02	West Side
03.	dB(A)	76.3	82.5	80.42	North Side
04.	dB(A)	70.9	78.4	76.10	South Side
Average dB(A) Leq				77.95	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Anup Singha
Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

9. Location : SEAF - 2 (Ferro)

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

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

15. Location : Induction Furnace - 2 (SMS)				Sample Code : (ENV/NOISE/15/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.3	79.4	77.56	East Side
02.	dB(A)	76.3	80.5	78.89	West Side
03.	dB(A)	76.7	79.1	78.06	North Side
04.	dB(A)	78.2	82.5	80.86	South Side
Average dB(A) Leq				78.84	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

18. Location : CCM (SMS)

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

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Jalanka
Dy. Quality Manager

Approved By:

Anup
Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

29. Location : Boiler - 1 (CPP)				Sample Code : (ENV/NOISE/29/21-22)	
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.5	78.6	76.76	East Side
02.	dB(A)	76.8	80.3	78.89	West Side
03.	dB(A)	76.9	80.6	79.13	North Side
04.	dB(A)	78.0	81.4	80.02	South Side
Average dB(A) Leq				78.70	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

32. Location : Kiln - 1 (DRI)

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

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

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

NIGHT TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

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

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

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

NIGHT TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

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

NIGHT TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

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

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

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

NIGHT TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

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

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

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

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

NIGHT TIME

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

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

ANNEXURE 7

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number : CO 110222

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

Date : 09/10/2018

Consent to Operate

under

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

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

Jai Balaji Industries Limited (Unit IV)

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

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

.....(Detailed address of the manufacturing unit)

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

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

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

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



For and on behalf of the State Board

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

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

ANNEXURE

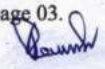
Consent to Jai Balaji Industries limited (Unit IV)
 for its unit at Vill: Banskopra, PO: Rajbandh, PS: Kankoa, Paschim Bardhaman
Pin - 713212.

Conditions :

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

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

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


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

Consent to Jai Balaji Industries Limited (Unit IV)
for its unit at Vill: Banskopa, P.O: Rajbandh, P.S: Kanksha, Paschim Bardhaman
Pin - 713212.

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
1	Mixed	pH	Between : 5.5 to 9.0	Daily
		Total Suspended Solids	Not to exceed : 100 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.	
		Phenol	1.0 mg/l.	
		CN	0.2 mg/l.	

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

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

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

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

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

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

(4)

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

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

Table-II

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

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

Assistant Environmental Engineer
 Durgapur Region Office
 West Bengal Pollution Control Board

(5)

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

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

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

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

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

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

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

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 09 p.m.)	65
Night Time (09 p.m. to 06 a.m.)	55

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

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

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

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

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

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

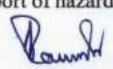
(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Assistant Environmental Engineer
Durgapur Region Office
West Bengal Pollution Control Board

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

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

Additional Conditions


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

ANNEXURE – I

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

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

Contd.. P/2.

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

Signature

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

ANNEXURE 8

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

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

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

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

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

Sir,

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

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Jaibalaji Industries Ltd. have proposed for expansion of the existing Steel Plant (Unit-IV) by installation of Coke Oven Plant (Non-recovery type, 1,65,000 TPA) along with Producer Gas Plant (9,000 Nm³/hr) and Captive Power Plant (WHRB, 9 MW & CFBC, 36 MW) at Village Banskopa, P.O. Rajbandh, District Burdwan, West Bengal. The proposed project will be set up in an area of 29.5 acres within the existing steel plant premises and green belt will be developed in 33 % area. No national parks/wild life sanctuary/reserve forests are located within 10 km radius. Total cost of the proposed project is Rs. 252.5 Crores. Rs. 19.0 Crores and Rs. 3.0 Crores will be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures.

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

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

5.	Submerged Arc Furnace	56,325TPA (3x 16.5 MVA)	22,211TPA (1x 16.5 MVA)	-	78,536 TPA
6.	Rolling Mill	2,40,000 TPA	1,60,000 TPA	-	4,00,000 TPA
7.	Captive Power Plant	85 MW	-	45 MW (9 MW from WHRB & 36 MW from CFBC)	130 MW
8.	Coke oven		2,25,000 TPA	1,65,000 TPA	3,90,000 TPA
9.	Producer Gas Plant			9,000 Nm ³ /hr. (3 x 3000 Nm ³ /hr)	9,000 Nm ³ / hr.

4. Coking Coal (2,20,000 TPA) will be imported from Australia and South Africa. Dolochar / coal fines will be used in the CFBC boiler. Coal will be sourced from captive coal block. Carbonization of coal will be carried out in coke oven plant to produce Low ash metallurgical hard coke. High temperature flue gases produced during coking will be supplied to WHRB for generation of steam to generate power. The proposed 45 MW Captive Power Plant is planned not only considering the 4 MW power demand of the proposed expansion, but also considering the existing power short fall. Presently, to meet the additional power demand of its existing units, the company is depended on outsourced power. Air cooled condenser will be installed.

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

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

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

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

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

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

hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS :

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

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

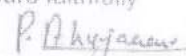
B. GENERAL CONDITIONS:

- 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 CECB. 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.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

Yours faithfully


Dr. P.L. Ahujarai
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, Chandrashekharpur, 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.

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

JBG Covid-19 Vaccination Camp

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





JBG Eye Checkup Camp

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





AC Donation for Durgapur Govt. hospital.

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



PICTORIAL EVIDENCE

Ambient Air Quality Monitoring



Stack Gas Monitoring



Work Zone Air Monitoring



Noise Monitoring



Effluent water collection



Drinking water collection



Green Belt development






Health Care Centre



Industrial Safety



							
Jai Balaji Industries Limited (Unit- IV)							
Banshupur, Rajasimha, Kanhou, Durgapur-32, Paschim Bardhaman (W.B.)							
ENVIRONMENTAL INFORMATION							
1	Consent to Operate Certificate : 3228/di-CO-5/11/1855 Dt. 09.10.2018 valid-30.09.2023						
2	Hazardous Waste Certificate No. : 120/25 (HW)-4443/2021 Date-16.06.2022 Valid- 30.06.2026						
3	Stack Analysis Report As on : 26- 28.03.2022						
	Parameter	Concentration Limit	MSF-1	MSF-2	CSP	SMS	DR1
	PM ₁₀ (mg/Nm ³)	150	34.11	18.47	21.5	22.89	84.86
	CO % (v/v)	1	<1.0	<1.0	<1.0	-	<1.0
4	Liquid Effluent Analysis Report: As on : 26.03.2022						
	Parameter	Concentration Limit	Result				
	pH	5.5 - 9.0	6.82				
	TSS (mg/l)	100	30.00				
	BOD (5days 20°C)(mg/l)	30	12.00				
	COD (mg/l)	250	107.80				
	Oil & Grease(mg/l)	10	4.50				
	Other	-	-				
5	Hazardous Chemicals Stock as on -						
	Name of the Chemicals		Quantity used/month		Maximum Storage		
6	Hazardous Wastes Stock as on- 17.05.2022						
	Name of the Hazardous Waste	Generation/Annum			Storage/ Disposal		
A	Used Oil (5.1)	0.0425 MT/A			0.085 MT/A		
B	Used Cotton (5.2)	0.02 MT/A			0.04 MT/A		
C	Other (35.2)	0.005 MT/A			0.01 MT/A		