

BRAVO SPONGE IRON PRIVATE LIMITED

CIN: U27106WB1997PTC082921 | GSTIN: 19AACCB5058J1ZH | PAN: AACCB5058J | State: West Bengal | State Code: 19

Ref: - BSIPL/SMC/MoEFCC/OCT 2020-MARCH 2021

Date: 17.06.2021

To,
The IGF & Incharge
GOI, MoEF&CC,
Integrated Regional Office, Kolkata
IB-198, Salt Lake City, Sector-III
Kolkata - 700106

SUB: Six Monthly (October, 2020 to March, 2021) Compliance Report of Environmental Clearance conditions by M/s Bravo Sponge Iron Pvt. Limited, Vill-Mahuda, PO-Rukni. Dist- Purulia (WB)

Ref: MoEF&CC, EC F. No. J-11011/758/2009-IA-II (I) Dated 05th November, 2020

Dear Sir,

With reference to above, we are submitting herewith the six monthly compliance report (period October, 2020 to March, 2021) of M/s Bravo Sponge Iron Pvt. Limited, Vill-Mahuda, PO-Rukni, Dist- Purulia (WB) as per the directives of Ministry of Environment Forest and Climate Change (MoEF&CC), Government of India. Point wise compliance status report along with latest environmental monitoring data is enclosed for your kind perusal.

Hard copy of the report has not been sent following MoEFCC directions vide File No. 106-12/EPE Dated 11.05.2020. Hope you will find the same in order.

Kindly acknowledge our submission.

Thanking You.

Yours faithfully,

For Brave Sponge Iron Pvt. Limited

Authorized Signatory

Encl: as above

RUKNI PURULIA *

Copy to:

The Sr. Environmental Engineer, West Bengal Pollution Control Board, Asansol Regional Office, ADDA Commercial Market (2nd Floor), Oppo. Asansol Fire Station, GT Road, Asansol-713301 Dist-Paschim Burdwan (WB).

SIX MONTHLY COMPLIANCE RPORT

Name of the Project	:	M/S BRAVO SPONGE IRON PVT. LIMITED Vill-Mahuda, PO-Rukni, PS-Para, Dist- Purulia (WB)						
Environmental Clearance Letter Ref.	:	F.No.: J-11011/758/2009-IA-II(I) dated 05 th November, 2020						
Period of Compliance Report	:	October 2020 to March 2021						

S.N	Conditions	Compliance Status
A.	Specific conditions	
i.	The 95 TPD DRI Unit shall be upgraded to 100 TPD with installation of 2MW WHRB.	Noted. It shall implement.
ii.	All dust generated and collected from the plant roads, floors and bag houses/ESPs shall be recycled to Pellet Plant.	Pellet plant is under implementation and dust so generated shall be recycled to Pellet Plant as per direction.
III.	CPP shall meet all norms for PM, SO_2 and NO_X emissions. CEMS shall be integrated with the plant control and the monitored data shall be used for process control.	CEMS has already been installed at CPP integrated with process control system where monitoring data being displayed and considered for process control.
iv.	Producer Gas Plant shall be closed circuit type without any generation of phenolic water. Tar sludge and tar shall be handled in environmentally sound manner as per HW Rules, 2016.	Producer Gas Plant is under implementation. Directions shall be complied as per directions.
v.	Only DVC water shall be used and abstraction of ground water is not permitted.	Noted. It is being/Shall be adhered accordingly.
vi.	100% water consumed annually shall be recharged through water harvesting.	Rain water harvesting structure has been developed within the plant to natural recharge of ground water. Further it will be enhanced with implementation of expansion project.
vii.	A sum of Rs. 3.8125Cr shall be allocated to CER Activities as per list furnished and all CER Activities shall be completed within three years.	CER activities shall be implemented as mentioned in the EIA/EMP report.
viii.	All roads inside the plant shall be paved, vacuum cleaners shall be provided to clean roads and shop floors.	Most of the internal roads in the existing plant area are concreted/ paved and concreting of roads in project area is under progress. Cleaning of the roads being done on regular basis. Some photographs of RCC roads are enclosed as Annexure-1
ix.	Water spray systems shall be included to control fugitive dust from RM stockpiles.	Water spraying facility has been provided in raw material handling area to control the fugitive dust emission.
x.	40% green belt shall be provided using 2500 trees per ha around the plant boundary.	The target of 33% green belt development has been achieved as per previous EC conditions in existing plant area. We have started massive plantation also in the projects area to achieve the target as per direction

	0F 00% III 1 11 1	considering indigenous species.							
xi.	85-90% rolling shall be done as hot charged. Use of LDO shall be practiced in RHF whenever it is run. FO and Pulverized coal shall not be used.	It shall be complied with as per direction							
xii.	Air cooled condensers shall be used.	Air cooled condenser is already installed with TG an							
xili.	PM emission from the stacks shall be less than 30mg/Nm ³ .	be implemented projects. Existing projects complimentation standards as stipulated in previous EC. Latest stack monitoring reports of existing running standards.							
xiv.	Energy conservation measures like use of VFD; Slip power recovery etc. shall be adopted.	project are attached as Annexure-2 VFD has already provided at strategic location like ID/FD fan/high power consuming motors etc. for slip power recovery and it shall also be adapted with upcoming implementation projects.							
B. (General conditions	appointing implementation projects.							
I.	Statutory compliance:								
i.	The Environment Clearance (EC) granted to the project/activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/construe to approvals/consent/permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	CTO from West Bengal Pollution Control Board (WBPCB) for existing operating units and after getting EC vide F. No.: J-11011/758/2009-IA-II(I) dated 05 th November, 2020, the CTE has also been obtained from WBPCB. Copy of existing CTO&CTE attached as Annexure-3A &3B							
II.	Air quality monitoring and preservation								
	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPGB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Online Continuous Emission Monitoring System (OCEMS) have already been installed with process of DRI and AFBC Boiler Stacks and monitored data being remitted to CPCB & SPCB through online server. Ambient Air Quality Monitoring (AAQM) being done periodically through NABL accredited agency. AAQMS shall be installed with upcoming implementation projects. Latest Ambient Air Quality Monitoring reports are attached as Annexure-4							
	every quarter through laboratories recognized	Fugitive emissions in plant premises being monitored by NABL accredited laboratories. Last Work Zone Monitoring report is attached as Annexure-5							



*	NABL accredited laboratories.	
III.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Air Pollution Control (APC) systems have been installed like bag filters and ESPs for an effective control of dust emissions from vulnerable sources. Dust extraction system has been provided at the strategic points attached with bag filter units for cooler discharge, intermediate bin, product house and separation house. Fixed type water sprinklers are installed for dust suppression at raw material handling system along the conveyor, finished product house area, cooler discharge, along with Kiln axis and all other strategic locations to control the fugitive dust emissions.
		BSIPL have deployed movable water tankers for dust suppression on the road and minimizing fugitive emissions.
iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Functioning of bag filters being monitored by suitably skilled manpower and observations noticed being promptly attended. Leakage detection and mechanized bag cleaning facilities shall be provided for the bag filter units of upcoming projects.
v.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	It shall be complied.
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	It is being complied. Covered transportation of raw materials being done to prevent spillage and dust generation.
vii.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Proper fume extraction system has been provided attached with bag filter and stack. Stack monitoring and work zone monitoring report is attached as Annexure-2 & 5
viii.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Raw Material stock piles are being covered for
ix.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	providing proper wind shelter. Suitable ventilation is provided for proper air circulation in such areas and shall also be provided for adequate air changes for all tunnels, motor houses, Oil Cellars with implementation projects.
III.	Water quality monitoring and preservation	
i.	The project proponent shall install 24x7 continuous effluent monitoring system with	Continuous Effluent Monitoring System shall be installed as per direction. Effluent monitoring report is enclosed as Annexure-6

	(Protection) Rules 1986 (G.S.R 414 (E) dated 30 ^t	h
	May 2008; G.S.R 277 (E) dated 31st March 2012	2
	(applicable to IF/EAF); S.O. 3305 (E) dated 7 ^t	
	December 2015 (Thermal Power Plants) as	
	amended from time to time and connected to	
	SPCB and CPCB online services and calibrate	
	these system from time to time according to	
	equipment supplier specification through labs	
	recognized under Environment (Protection) Act,	
	1986 or NABL accredited laboratories.	
11		
ii.	The project proponent shall monitor regularly	The state of the s
	ground water quality at least twice a year (pre	accredited laboratories.
	and post monsoon) at sufficient numbers of	
	piezometers/sampling wells in the plant and	Annexure-7
	adjacent areas through labs recognized under	
1	Environment (Protection) Act, 1986 and NABL	
	accredited laboratories.	
iii.	Adhere to 'Zero Liquid Discharge'.	It is being complied.
iv.	Sewage Treatment Plant shall be provided for	
	treatment of domestic wastewater to meet the	. admicatic acwage
	prescribed standards.	The state of source pic facility flas beeff
V.	Garland drains and collection pits shall be	provided.
٧.		The same of the sa
	provided for each stock pile to arrest the run-off	The second secon
	in the event of heavy rains and to check the	Concreted raw material yard with garland drain has
	water pollution due to surface run off.	been constructed to check the water pollution due to
		surface run off.
IV.	Noise monitoring and prevention	
i.	Noise quality shall be monitored as per the	It is being complied.
	prescribed Noise Pollution (Regulation And	Latest Ambient Noise & Work Zone monitoring reports
1	Control) Rules, 2000 and report in this regard	are enclosed as Annexure-8 & 9
	shall be submitted to Regional Officer of the	
	Ministry as a part of six-monthly compliance	
	report.	
V.	Energy Conservation measures	
i.	Energy conservation measures may be adopted	Energy concentration massive has a last
	such as adoption of solar energy and provision of	Energy conservation measure has already been
	LED lights etc., to minimize the energy	adapted by providing LED lights in the offices & Solar
	consumption.	light in other strategic areas.
	Consumption.	
VI.	Waste management	
i.	Used refractories shall be recycled as far as	Noted. Efforts shall be done to recycle the refractories
	possible.	as far as possible.
ii.	100% utilization of fly ash shall be ensured. All	It is being complied.
	the fly ash shall be provided to cement and brick	The fly ash generated within the plant is provided
	manufacturers for further utilization and	to brick manufacturary for first
	Memorandum of Understanding in this regard	to brick manufacturers for further utilization.
	shall be submitted to the Ministry's Regional	Accordingly company has made the agreement
	To the minuty's neglocial	with various vendors for the same. Copies of the



	Office.	agreements are enclosed as Annexure-10
iii.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused in melting Furnaces.	Noted, it shall be complied when rolling mills come in operation.
iv.	Kitchen waste shall be composted or converted to biogas for further use.	It is being complied. Kitchen waste being composted and used as manure for plantation.
VII.	Green Belt	
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	We have achieved the target of green belt development in existing project area, and taken a massive plantation program for greenery development in upcoming project area in consultation with local DFO involving indigenous species. Post plantation work for nourishment of the plants being done on regular basis. Some photographs of plantation are attached as Annexure-11
ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	It shall be complied.
VIII.	Public hearing and Human health issues	
i.	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	It has been prepared and under execution and shall also be implemented in forthcoming projects.
II.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Personal Protection Equipment (PPE) like safety shoes, hand gloves, face shield, apron etc. being provided to the workmen deployed in hot work zone. Heat stress analysis shall be carried out as per direction.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Occupational health surveillance program has been taken as a regular exercise for the employees and records are maintained. Health cards of some employees are enclosed as Annexure-12
IX.	Corporate Environment Responsibility	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Environmental protection measures have been implemented for effective compliance recommended in EIA/EMP reports. We have initiated to comply with socio-economic development activities in surrounding villages. As a part CER we have developed health checkup center equipped with health checkup facilities and



qualified medical staff, facilitating study materials to the school students (school bags and books, pencil box, water bottle etc.) of nearby villages. School building in the village Kashiberiya is under progressive stage of construction, drinking water in nearby Mahuda village and renovation of village pond etc. Under enterprise social commitment providing jobs to the local people and contribution towards social causes etc. ii. The company shall have a well laid down It is compiled and already submitted. BSIPL have environmental policy duly approve by the Board implemented standard operating procedure to look of Directors. The environmental policy should any infringement/ deviation/violation prescribe for standard operating procedures to environmental/forest/wildlife norms/conditions. have proper checks and balances and to bring have also the Hierarchical system/ into focus any infringements/deviation/violation Administrative order to deal with environmental issues the environmental/forest/wildlife and compliance of EC conditions. norms/conditions. The company shall have defined system reporting of infringements/deviation/violation environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of sixmonthly report. BSIPL have in placed reporting system for noncompliance/violation of environmental norms. Board of Directors **Board of Directors** A separate Environmental Cell both at the project An environmental cell has been set up under the and company head quarter level, with qualified supervision of Senior Executive. personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization. X. Miscellaneous i. The project proponent shall make public the It has been complied environmental clearance granted for their Advertisement in newspaper has been done. project along with the environmental conditions Newspaper cuttings are attached as Annexure-13 and safeguards at their cost by prominently

	advertising it as least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	
11.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	
III.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	It is being complied. Compliance status being periodically uploaded on the company website http://shakambhariispat.com/environmental-compliance
iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _X (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Monitoring of criteria pollutants being carried out for PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ and stack monitoring for PM, SO ₂ , and NOx. Latest Ambient Air Quality monitoring and stack monitoring reports are enclosed in Annexure-4 & 2
V.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	It shall be complied.
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	It is being complied. The environment statement of the ending financial year 31st March, 2021 will be submitted to SPCB in Form-V and compliance status will be put on the company's website as per direction.
vii.	The project proponent 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, commencing the land development work and start of production operation by the project.	On the basis EC granted by Hon'ble MoEF&CC, BSIPL has obtained CTE from West Bengal Pollution Control Board (WBPCB) and after that land development work and other project related activities has been started. Copy of CTE attached as Annexure-3
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted. The commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during presentation to the Expert Appraisal Committee shall be complied.



ix.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)	
x.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
xi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Notēd.
xii.	The Ministry reserves the right to stipulate additional if found necessary. The Company in a time bound manner shall implement these conditions.	Noted. The company shall be abide with the stipulations and direction made by Hon'ble MoEFCC.
xiii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted. It shall be adhered.
xiv.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.



Annexure-1

BRAVO SPONGE IRON PVT. LTD. PLANTATION WITH INDIGENIOUS SPECIES













Annexure-2













TEST REPORT

FORMAT NO: ENV/FM/38

Name of the	:	Bravo Sponge Iron Pvt. Ltd.							Type of Industry			Steel & Power Unit		
Industry														
Address	:	Vill. – Mohuda. P.O. – Rukni, P.S. – Para, Purulia – 723145						Sampling Date			:	03.03.2021		
							Period of Analysis			:	06.03.2021 - 06.03.2021			
							Date of Issue			:	08.03.2021			
Sampling Plar	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Me	tho	d and Plan	:	No	Type of	:	Source
										- 4	Sample		Emission	
Sample ID No. : ENV/06/March/A/I Report No							:	ENV/06/M	arch	ı/TR(A)/I/20-21			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to : Rotary Kiln (No. 1 & 2) attached to common stack									
Shape of Stack		Circular	Height of Stack (mtr.) (from	:	30.0				
			G. L.)						
Materials of	:	M.S.	Stack I.D. at sampling point	:	1.90				
Construction			(mtr.)						
Capacity	:	Kiln No.1 - 100 TPD & Kiln No.2 - 95 TPD	Height of sampling port		14.0				
		(mtr.) (from G.L.)							
Emission Due to	:	Oxidation of Coal & Reduction of Fe-Ore							
Fuel Used	:	Coal	Permanent Platform & Ladder	ſ	: Yes				
Working Fuel	:	Rated – 5.63 MT/hr. (each kiln)							
Consumption		Working – 5.12 MT/hr. (each Kiln)							
Pollution Control Device	:	E.S.P with W.H.R.B							

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS
NO.					
1.	Flue Gas Temperature	оС	IS 11255 (Part 1)	:	138.0
2.	Barometric Pressure	mm of Hg.	The second secon	:	752.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	8.06
4.	Quantity of Gas flow	Nm³/hr.	IS 11255 (Part III)		57752.95
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	-:	608.78
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	10.4
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	•	<1.0
8.	a) Concentration of Particulate	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	31.35
	Matter (at 10.4% CO ₂)		3685/D 3685M-98 (reapproved 2005) : Sec.		
	b) Concentration of Particulate		11 (Vol. 3 11.07) : 2011	:	36.17
	Matter (at 12% CO ₂)				

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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

Overseas : • UAE • Qatar • Netherlands













TEST REPORT

FORMAT NO: ENV/FM/38

Name of the	:	Bravo Sponge Iron Pvt. Ltd.						of Industry		:	Steel & Pow	ver l	Unit	
Industry														
Address		Vill Mol	Vill. – Mohuda. P.O. – Rukni, P.S. – Para, Purulia – 723145						Sampling Date			03.03.2021		
								Period of Analysis			06.03.2021 - 06.03.2021			
							Date of Issue			:	08.03.2021			
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Meth	od and Plan		No	Type of	:	Source	
											Sample		Emission	
Sample ID No.	Sample ID No. : ENV/06/March/A/II Report No. : ENV/06/March/TR(A)/II/20-21													

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln (No. 3 & 4) attached to common sta	ack		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from	:	30.0
			G. L.)		
Materials of	:	M.S.	Stack I.D. at sampling point	:	1.80
Construction			(mtr.)		
Capacity	:	100 TPD (each)	Height of sampling port	:	15.0
			(mtr.) (from G.L.)		
Emission Due to	:	Oxidation of Coal & Reduction of Fe-Ore			
Fuel Used	:	Coal	Permanent Platform & Ladder	r	: Yes
Working Fuel	:	Rated - 5.63 MT/hr. (each kiln)	2		
Consumption		Working - 5.12 MT/hr. (each Kiln)			
Pollution Control Device	:	E.S.P with W.H.R.B			

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS
NO.					
1.	Flue Gas Temperature	оС	IS 11255 (Part 1)	:	166.0
2.	Barometric Pressure	mm of Hg.	The second secon	:	752.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	9.12
4.	Quantity of Gas flow	Nm³/hr.	IS 11255 (Part III)	:	54823.94
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	-:	640.98
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	10.8
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0
8.	a) Concentration of Particulate	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	38.82
	Matter (at 10.8% CO ₂)	_	3685/D 3685M-98 (reapproved 2005) : Sec.		
	b) Concentration of Particulate	No. 1	11 (Vol. 3 11.07) : 2011	:	43.13
	Matter (at 12% CO ₂)				

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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

Overseas : • UAE • Qatar • Netherlands



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











TEST REPORT

FORMAT NO: ENV/FM/38

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.		Type of Industry			:	Steel & Pow	er l	Unit		
Industry														
Address	:	Vill. – Moł	ıuda	a. P.O. – Rukni, P.S	S. – Para, Purulia -	- 723145	Sampling Date				:	03.03.2021		
					Period of Analysis				:	06.03.2021 - 06.03.2021				
							Date of Issue			:	08.03.2021			
Sampling Plan	1 &	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Met	ho	d and Plan	:	No	Type of	:	Source
Sample Emissi										Emission				
Sample ID No		: ENV/06/March/A/IV Report No. : EN									r/TR(A)/IV/20-21	1	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Hood Over Induction Furnace (2 x 15 MT/Ba	ood Over Induction Furnace (2 x 15 MT/Batch) attached to common stack								
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.0						
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.65						
Capacity	:	2 x 15 Ton/Batch	Height of sampling port (mtr.) (from G.L.)	:							
Emission Due to	:	Melting of Sponge Iron, Pig Iron & Scraps									
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	•		Yes					
Working Fuel Consumption	:	Nil	B								
Pollution Control Device	:	Bag Filter									

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	оС	IS 11255 (Part 1)	:	52.0
2.	Barometric Pressure	mm of Hg.			752.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)		10.31
4.	Quantity of Gas flow	Nm³/hr.	IS 11255 (Part III)		11163.07
5.	Concentration of Particulate	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	32.51
	Matter		3685/D 3685M-98 (reapproved 2005): Sec. 11		
			(Vol. 3 11.07) : 2011		

Remarks

Reviewed By:

Zoloko

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email: info@envirocheck.org /envirocheck50@gmail.com / Website: www.envirocheck.org

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

Overseas : • UAE • Qatar • Netherlands













TEST REPORT

FORMAT NO: ENV/FM/38

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.	Type of Industry				:	Steel & Pow	/er	Unit		
Industry														
Address	:	Vill. – Moł	nuda	a. P.O. – Rukni, P.S	S. – Para, Purulia -	- 723145	Sampling Date				:	03.03.2021		
					Period of Analysis				:	06.03.2021 - 06.03.2021				
							Date of Issue				:	08.03.2021		
Sampling Plar	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Meth	oc	l and Plan		No	Type of	:	Source
												Sample		Emission
Sample ID No. : ENV/06/March/A/III Report No. : ENV/06/March/TR(A)/III/20-21														

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	AFBC Boiler			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	45.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.20
Capacity	:	20 TPH	16.0		
Emission Due to	:	Oxidation of Coal & Reduction of Fe-Ore			
Fuel Used	:	Coal&Dolochar	Permanent Platform & Ladder	r	: Yes
Working Fuel Consumption	:	Coal – 110 TPD&Dolochar – 130 TPD	- AN		
Pollution Control Device	:	E.S.P with W.H.R.B			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	оС	IS 11255 (Part 1)	:	123.0
2.	Barometric Pressure	mm of Hg.		:	752.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	7.06
4.	Quantity of Gas flow	Nm³/hr.	IS 11255 (Part III)	:	70659.46
5.	Concentration of SO ₂ (at 6% O ₂)	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	301.08
6.	Concentration of NO _x (at 6% O ₂)	mg/Nm³	IS: 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009: Sec 11 (Vol. 11.07): 2011	:	154.44
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	12.0
8.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0
9.	Concentration of Particulate Matter (at $12\% CO_2$)	mg/Nm³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	:	36.50

Remarks

Reviewed By:

Jalanka

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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

Overseas : • UAE • Qatar • Netherlands

Annexure-3A

WEST BENGAL POLLUTION CONTROL BOARD

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

> apply for renewal of consent 60 (Sixty) days before expiry

Consent Letter Number:

Vamo Number: 2503 - WPBA/Red(Prl)/Cont(135)/04

WEET BENOALS

Date: 30/11/2016

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:

		. (Address of Regd. office/Head/Office/City Office)
(hereinafter referred to as Applicant) for its unit located at	Vill	- Mahuda,
P.O - Rukni, P.S - Para,		
Dist - Purulia, pin-723145.		
Visit (Visit in the Control of the C		(Detailed address of the manufacturing unit)
for a period from	to	31/12/2021

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 1 & 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.

Regional Regional Solito

ANNEXURE

Consent to	M/S	Bravo	Sponge	Iron	Pvt	Ltd.	
for its unit at	Vill		da, P.O			S - Para,	
	Dist	- Puru	lia, pir				

Conditions:

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Sponge iron	5500 MT
02		
03		
04		
05		
06	WEST BEI	NGAL
07		
08		TO THE PARTY OF TH
09		
10		
11		
12	VORTE VIEW NEW YEAR	

- 02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions. Nil 03. 4.0 04. Nil Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed 05. 06. The Applicant shall discharge liquid effluent to (place of discharge) one (01) throughnos. outlets/outfalls.
- 07. To being into any altered or new outlet/ourfall 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.

Consent to	M/S	Bı	cavo	Sp	ong	je]	ron	P	vt	Lt	đ.	
for its unit at	Vill	-	Mahu	ıda,	P	.0	-	Rukn.	i,	Р.	3 -	Para,	
Tor its diffe at	Dist		Puru	lia	. I	pir	1 -	- 723	14	5.			

Table - I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling		
01	Domestic	рН	Between: 5.5 to 9.0	yearly		
		Total Suspended Solids	Not to exceed: 100 mg/1.			
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/1.			
		Chemical Oxygen Demand	Not to exceed: 250 mg/1.			
		Oil & Grease	Not to exceed: 10 mg/1.			
		WEST BEN	IGAL			

09.	The Applicant falls in the	
	and Control of Pollution) Cess Act, 1977 and Rules made there	
	provisions of the said Act and Rules made thereunder.	

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

 - Domestic purpose → 4 0 KL
 - Processing whereby water gets polluted and the pollutants are easily biodegradable
 Nil
 KI
 - Processing whereby water gets polluted and the pollutants are not easily biodegradable
 Nil
 KL

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

Consent to	M/S	Bravo	Sponge	Iron	Pvt	Ltd.	
for its unit at	Vill	- Mahu	ıda. P.O	- Rukn	i, P.	S - Para,	
	Dist	- Pur	ılia, pin	- 723	145.		

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

Table - II

Stack No.	Stack height	Stack attached to (sources and	to (sources and	to (sources and	Volume Nm³/hr.	Velocity of gas	Concentrations of parameters not to exceed					Frequency of emission sampling
	from G.I., (in mts.)	control system, if any):		emission m/sec	SPM (mg/Nm³)	CO (% v/v)				sampinig		
S-I	30 (Rotary Kil 100 TPD & 95 TPD)	AAF	511	100	וטו	4	-	-	Malf yearly		
S-2	24	Cooler Discharge	_		100		1	intro.	-	-do-		
S-3	30	Product House			100	dia .		-	-	-do-		
S-4	30	Coal Crusher		-	100		-	-	-	-do-		
S-5	30	Stock House	1	1	100	7		-	-	-do-		
S-6	9	D.G.Set (300 KVA)	-	7	150	1	-	-	-	-do-		
S-7	9	D.G.Set (500 KVA)	-	-	150	1	-	-	-	-do-		
S-8												
S-9												
S-I0												

12 Jan 116.

Consent to	M/S	Bravo	Sponge	Iron	Pvt	Ltd.	
for its unit at	Vill	- Mah	uda, P.O	- Rukn	i, P.	S - Para,	
	Dist	- Pur	ulia. pir	- 723	145.		

- 11. 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 consum		Quantity consumed per day	Fuel burning operation where the fuel is used
01	coal	4625 MT/month	Rotary Kiln (100 TPD & 95 TPD).
02	HSD		D.G.Set (500 KVA & 300 KVA).
03			
04			
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
Dust	Iron Process	8 MT		Land Filling
pust	Iron APCD	5 MT	-	Land Filling

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

Time 10	Limit in dB(A) 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.

Page	06	of	06
T still	vv		~~

Consent to	M/S	Br	avo	Spc	nge	I	ron	PV	rt	Ltd	1.	
for its unit at	Vill	1000	Mahud	a,	P.0	-	Rukni	. ,	P.S	-	Para,	
101 115 4111 41 11111	Dist	-	Purul	ia,			- 7231					

- 24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- 26. The Applicant shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the State Board's staff as well as State Board's authorised agencies.
- 27. The Applicant shall submit to the State Board by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] Rules. 1992.
- 28. The Applicant shall allow the Officers of the State Board to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
- 29. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
- 30. The Applicant 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 applicant 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.
- 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 See Annexure attached.

of well

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number : C0197559

Memo Number: 508 - as-co-5/10/0135

Expansion

Date: 24 06 20 18

Consent to Operate

Application no. coessess184816

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:

M/s. Brave Spenge Trem Pvt. Ltd.
WEST BEAGG And Office / Head / Office / City Office)
(hereinafter referred to as Applicant) for its unit beated at V111: Mahuda, R. Q.: Rukni, P.S.: Para
Dist. Purulia, Pin - 723145, West Bengal.
for a period from the date of issue to 31/12/2021

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 leter 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.

Kankinara Narayanpur 741126

For and on behalf of the State Board

Dr. Somnath Narayan
Dr. Somnath Narayan
Senior Environmental Engineer
Senior Environmental Engineer
Kankinara Circle Office
Kankinara Circle Office

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

ANNEXURE

Cancent to	M/s.	Brave	Spenge	Iren	Pvt.	Ltd.
Opcont to	7 - 1					

for its unit at Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin-723145,

West Bengal.

Conditions:

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
10	Spenge Iran	3000 TPM
02	Dele Char	600 TPM (Captive use)
03		
04		
05		
06		
07		
08	WEST BE	NGAL
09		The same of the sa
10		
11		
12		

- The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions. 02.
- 03. Daily discharge of industrial liquid effluent shall not exceed
- 04.Daily discharge of domestic liquid effluent shall not exceed
- 05.
- 06. through 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-1 in page 03.

Dr. Somnath Narayan

Dr. Somna

Consent to M/s, Brave Spenge Iren Pvt. Ltd. Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia. Pin-723145. for its unit at ... West Bengal,

Table-I

Outlet No.	Nature of effluent	Parameters	Standard		Frequency of effluent sampling
		pН	Between:		
1		Total Suspended Solids	Not to exceed:	mg/1.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed:	mg/1.	
		Chemical Oxygen Demand	Not to exceed:	mg/1.	
		Oil & Grease	Not to exceed:	mg/I.	
		WESTRE	TCAL		
			ACTO		
				1	
			7-1-1		

- The Applicant falls in the 09. 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.
- Daily water consumption for the following purposes should not exceed :-
 - Industrial cooling, spraying in mine pits and boiler feed water → 7.5 KL (Water used for gardening should be included in this category of use)
 - Domestic purpose →KL
 - Processing whereby water gets polluted and the pollutants 7.5 are easily biodegradable
 - 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./Sani@nev./Asst.Env.@hee.) Kankinara (Eny (Eligh) W.B., Pollution Culdrel Board

Continued...

Page 04 o	1 06	
-----------	------	--

Consent to	M/s.	Brave	Spenge	Iren Py	t, Lte	d.,	 	
	V111:	Maliud	a, P.O:	Rukni,	P.S:	Para,	Purulia,	Pin-723145,

West Bengal.

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

Table - II (See Annexure)

Stack No.	Stack height from G.I.,	Stack attached to (sources and control system, if any):	Volume Nm³/hr.	velocity of gas emission	Concentrations of parameters not to exceed of emission sampling
	(in mts.)		WES	m/sec	(mg/Nm³) (% v/v)
S-I					
S-2					
S-3			1		
S-4			1		
S-5					
S-6				1	
S-7					
S-8					
S-9					
S-10					

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Lingr./Sombon Dr. Sombon Dr

Senior Environmental Engineer

Senior Environmental Engineer

Kankin Continued Ranks

W.B., Pc. All Continued Ranks

Consent to M/s, Brave Spenge Iren Pvt, Ltd.

for its unit at Vill: Mahuda, P.O: Rukni, P.S: Para, Dist, Purulia, Pin-723145, West Bengal.

- 11. 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	Cea I	-	DRI Kilm (1x100 TPD)
02			
03			
04		4	
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	
Fly Ash	150 794		disposed of env;	renmen-
-	-		Sale Manner	

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),Ley
Day Time (06 a m. to 0	2 p.m.)	75	
Night Time (09 p.m. to)	06 a.m	7 70	

- 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./

Dr. Sonttathoursyen
Dr. Sonttathoursyen
Senior Environmental Engineer
Kankinasa Circle Office
W.B., Politiking Conto Board

Consent to M/s. Brave Spenge Iren Pvt, Ltd.,

for its unit at Vill: & Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin-723145,

West Bengal.

- 24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- **26.** The Applicant shall provide adequate and safe facility for collection of air, wastewater 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 Applicant 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 quantity 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 accidental 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 - See Annexure,

Dr. Somnath Narayan Senior Environmental Engineer

Senior Environment Office

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

W.B., Poliution Control Bush

WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Government of West Bengal) Office of the Senior Environmental Engineer

Kankınara Circle Office

Panpur More, P.O. -- Narayanpur, Kankınara, 24 Parganas (N), Pin -- 743 126

Annexure to Consent to Operate Letter Number: CO 107559 of IM/s. Bravo Sponge from Pvt. Etd located at the existing unit at Viil. Mahudu, P.C. Rukin, Dist. Purulia, PIN 722145 SPECIAL CONDITION

Emission Standards as mentioned below must be complied with

Conditions mentioned in the Consent To Establish (NGC) issued by the State Board vide Memo No. 264 2N 117/2007(E) dated 09/06/ must be complied with Conditions meritoned in the Environmental Clearance issued by MOFF Vide No. 1 11011 /758/2009 - (A II [I] dated 18/04/2017 must be complied with.

HORM V for Figure intental Statement and six monthly compliance report as per condition of Environmental Clearance must be submitted before due date

4 24 8, 4,

Table-II

N IS	height	Stack attached to (Sources & control system, if any)	Volume Nm³/hr	gaseous	Concentration of parameters not to exceed	oarameters	not to exceed		Frequency of sampling
	from GL (in mts.)			emission (m/sec)	SPM (mg./ Nm³)	(%/^%)	50 ₂ (mg/Nm³)	NO, (mg/Nm³)	
	30.0	3rd DRI Kiln(1x100TPD)			50 at 12% CO ₂	<1.0	-	1	Quarterly
	30.0	Cooler Discharge common with 4 th DRI Kiln)		5	50.0		,		
	30.0	Intermediate Bin[common with 4"		,	50.0	· .			
	30.0	Product House(common with 4 th DRI Kiln)	,	<u>.</u>	50.0	- -			
	30.0	Coal Ground Hopper(common with			50.0		,		
1	30.0	Iron Ground Hopper(common with	-		50.0				,

This Consent to Operate for operation may be revoked at any time for non-compliance of the Environmental Statutes.

Senior Environmental Engineer W.B., Pollution Confrol 2 and Karikia ia Cimia Office For and on behalf of the Board Dr. Sommaln Nave John

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number: 50107560

Memo Number: 507 - 05 - 00-5 10 0135

Expansion

Date: 08/06/2018

Consent to Operate

under

Application no, coossssss197599

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:

M/s, Brave Spenge Tren Pvt, Ltd.,
WEST BEAGA Office/Head/Office/City Office)
(hereinafter referred to as Applicant) for its unit beated at Vill: Mahuda, P.O. Rukni, P.S. Para
Dist. Purulia, Pin - 723145.
(Detailed address of the manufacturing unit)
for a period from the date of Pasue to 31/12/2021

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 leter 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 / after the conditions of this consent letter giving one month's notice to the applicant.

Senior Environmental Engineer
Kankinara Circle Office

For and an behalf of the Style Bolltion Control Board



ANNEXURE

M/s. Brave Spenge Iren Pvt. Ltd.,

for its unit at . Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia,

Conditions:

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

l. No.	Name of major products and by-products	Quantity manufactured per month
01	Spenge Iren(1x1ee TPD Kiln)	3000 TPM.
02	Steel Billets(2x12T/heat Induct furnace)	on 7200 TPM.
03	Captive Pewer Plant	10 MW
04	(4x10 TPH WHRB+1X20 TPH AFBC BO	ler)
05		
06		
07		
08	WESTBE	NGAL
09		
10		
11		

- 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
- 04.
- 05.
- 06. through 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-1 in page 03.

Dr. Somnath Narayan Senior Environmental Engineer Kank tota Circle Office

TO B. I duth a Control Board

Consent to	M/s.	Brave Sp	nge	Iren Pvi	t. Lte	i , ,			***************************************
for its unit at	Vill:	Mahuda,	P.O:	Rukni,	P.S:	Para,	Dist.	Purulia,	Pin-723145
******************						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

Table-I

Outlet No.	Nature of effluent	Parameters	Standard		Frequency of effluent sampling
1		pH	Between:		
		Total Suspended Solids	Not to exceed:	mg/L	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed:	mg/L.	
		Chemical Oxygen Demand	Not to exceed:	mg/I.	
		Oil & Grease	Not to exceed:	mg/L	
		VÝEST BET	VISAL .		
			17		

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

 - Domestic purpose → KL
 - Processing whereby water gets polluted and the pollutants
 are easily biodegradable
 →
 - 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.

Senior Environmental Engineer Kankingra Circle Office

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr!/ASCPENV.Engr.)

Consent	to M/	s. Bra	ve Sp	enge I.	ron P	vt. L	td.,
COLINORIE	New contract the contract to the contract to						

Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin-723145. for its unit at

- The Applicant shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.
- 12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to faciliate identification.
- The Applicant shall install comprehensive control system consisting of pollution control equipment as is warranted with 13. 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 (see Annexure)

					- 11	1566	Annex	ure)		
Stack No.	Stack height from G.I., (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm³/hr.	of gas emission m/sec	SPM (mg/Nm³)	CO	f parame	ters not t	o exceed	Frequency of emission sampling
S-I	/		WE		SEI		41_	no.		
S-2										
S-3							-			
S-4		1						1		
S-5						7/5	7			
S-6										
S-7										
S-8										
S-9										
S-10										

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

Dr. Somnath Narayar.

Senior Environmental Engineer Continued P/5

Kati Circle Otice

W.B., Pour on Common Beard

Consent to Vill: Mahuda, P.O: Rukni, P.S: Para, Dist, Purulia, Pin-723145.

- 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, wastewater 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 un 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 Applicant shall furnished the Same Bound 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 quantity 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 accidental 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 - See Annexure.

Dr. Somnach Narayan
Senior Environmental Engineer
Kanlinara Circle Office
Du R. Pollution Centrol Board

Consent to M/s. Brave Spenge Iren Pvt. Ltd.,

Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin-723145.

11. 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 :=

SI. No.	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Ceal	-	DRI Kilm (1x100 TPD) and
02	-	- "	AFBC Beiler (1x20 TPH).
03	-	-	
04		A	
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
Delechar	448 TPM		Captive use.
Ash		to be	seld to cement ufacture.

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

· Time	Limit in dB(A)/L
Day Time (06.alm. to 09.p.m.)	7.5
Night Time (29 p.m. to 06 a.m.	70-7

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

- 19. The Applicant shall bring about at least 33% of the available open land under the green coverage/plantation.
- 20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
- The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
- 22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste.

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

Senior Environm Start Scheen

Continued..... P/6

W. F Lion Control Board

WEST BENGAL POLLUTION CONTROL BOARD

Office of the Senior Environmental Engineer (Department of Environment, Government of West Bengal)

Kankinara Circle Office

Panpur More, P.O. – Narayanpur, Kankinara, 24 Parganas (N), Pin – 743 126

Annexing to Consert to Operate Letter Number CO 107560 of M/s Bravo Sponge Iron Pvf Ltd located at the existing unit at Vill. Mahada P.O.-Rukm, Dist Purulia, PIN 722145 SPECIAL CONDITION

Conditions mentioned in the Fovironmental Clearance issued by MOEF Vide No. 1 11011 /758/2009 - IA II [I] dated 18/04/2017 must be complied with

Conditions mentioned in the Consent To Establish (NOC) issued by the State Board vide Memo No. 264 2N 117/2007(F) dated 09/06/ must be complised with. FORM V for Environmental Statement and six monthly compliance report as per condition of Environmental Clearance must be submitted before due date.

Emission Standards as mentioned below must be complied with. 1 7 m 4

Table II

	Stack height	Stack attached to (Sources & control system , if any)	Volume Nm*/hr	Velocity of gaseous	Concentration of parameters not to exceed	arameters	not to exceed		Frequency of sampling
	(in mts.)			emission (m/sec	SPM (mg./ Nm.)	CO [%/^/s]	50 ₂	NO.	-
	45.0	AFBC Boiler(1x20TPH)	,	<u>.</u>	50 at 12% CO ₂	<1.0	600 at 6% O,	300 at 6% O2	Quarterly
	30.0	4 th DR! Kiln(1x100TPD)		-	50 at 12% CO,	0.1.0	# A A A A A		
1	30.0	Cooler Discharge	1		50.0				
177	30.0	Intermediate Bin	•		50.0	•	i J		
	30.0	Product House		,	50.0				
	30.0	Coal Ground Hopper			50.0	.			
-	30.0	Iron Ground Hopper	L.		50.0				
,	30.0	Induction Furnace(2x12T/Heat each)			50.0		1		

5. This Consent to Operate for operation may be revoked at any time for non-compliance of the Liveronmental Statutes.

Senior Environmental Engineer W.B., Pollution Control Board Kankinara Circle Office Dr. Somnath Narayan

Annexure-3B

NOC NO164516

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan 10A, Block – LA, Sector III, Bidhannagar Kolkata - 700 106



Memo No 349-2N-117/2007(E) -Pt.

Dated 10.11.2020

From : Member Secretary, West Bengal Pollution Control Board

To: M/s. Bravo Sponge Iron private Limited, 41,A,J,C, Bose Road, Diamond Prestige, 8th Floor, Room No.801, Kolkata - 700 017.

Sub: Consent to Establish (NOC) from Environmental Point of View

of the above subject to the following conditions and special conditions annexed.

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s

Iron Private Limited for proposed expansion of existing steel plant by

Installation of perfet plant with grineing facility (2xc.85MTPA), sponge

Astronomiactorion/strage/installedoxx Iron plant (1x350TPD Kiln), Induction Furnaces

(3x25T), Capacity revision from 600TPD to1000TPD of Rolling Mill alongwit

7MW capacity Captive Power Plant (WHRE based utilizing waste heat from the

1x3 proposed sponge plant) and Producer Gas Plant (12x4000Nm³/hr) at *

this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point

* Vill-Mahuda, P.O. Rakni, P.S.-Para, Dist.-Purulia, West Bengal.

The overall configuration of the plant after expansion will be as per**
The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection)
Rules 1986.

** Annexure -I.

- Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
- You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
- 4. All emission from your factory shall conform to the standards as laid down by this Board.
- No. emission shall be permitted without prior approval of this Board and you shall apply to this Board for its
 consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act,
 1981.
- No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/ erected/re-erected without prior approval of this Board

- You shall comply with
 - Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable. (11)
 - Environment (Protection) Act, 1986 (iii)
 - Environment (Protection) Rules, 1986 (iv)
 - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000 (v)
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000 (vi)
 - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - The Public Liability Insurance Act, 1991 and Amended Act, 1992 (viii)
 - The Public Liability Insurance Rules, 1991 and Amended Rules 1993 (ix)
 - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable. (x)
 - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and (xi)
 - Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable (iix)
- You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government 8 Departments etc.

SPECIAL CONDITION:

Total Capital Cost of the project - Rs. 475 Crores. Annexure - II please refer to

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Member Secretary, / SR . ENV . ENGR .

Yours faithfully.

West Bengal Pollution Control Board IM CELL) W.B. Rollution Control Board Dept. of Environment, GoWB

-2N-117/2007(E)-Pt. Copy forwarded for information to:

Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001 1.

Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. 2. Building. Kolkata-700 001

Guard file, West Bengal Pollution Control Board. 3.

Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./ 4.

Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan Delhi Road, Dankuni

Dist. Hooghly

Vill, Panpur

Kalyani Expressway

P.O. Narayanpur Dist. 24 Pgs. (N)

Sahid Khudiram Sarani City Centre, Durgapur-16

Dist. Burdwan

Paribahan Nagar

Matigara, Siliguri

Dist.-Darjeeling

10, Camac Street 2nd Floor

Kolkata-700 017

Paribesh Bhawan 10A, LA-Block, Sector-III

Salt Lake City, Kolkata - 700 098 Block-05 at 40

Flats Complex Adjacent to Priyambada

Housing Estate P.O.: Khanjanchak, P.S. Durgachak Haldia-721602

Dist.: Purba Medinipur

Asansol Sub-Regional Office

Opposite Asansol Fire Station

Member Secretary/SR. ENV. ENGR. West Bengal Pollution Control Board CELL)

Satya Chowdhury Indoor Stadium Balurchar Bandh Road

ADDA Commercial Market (2nd Floor)

G.T. Road, Asansol-713 301 Malda-732101

Annexure - I to the NOC Sl. No. NO164516

		Units as	Units as per		Units under	Balan	ce units		
S.No	Unit	per State Clearance	MoEF&CC EC dated 18.04.17	Total	operation	Under implementation	To be implemented	Proposed expansion	Final configuration
1	Pellet Plant with Grinding Facility							2 X 0.85 MTPA	1.7 MTPA
2	Sponge Iron Plant	1X100 TPD (as per NOC dated 5.12.2002) + 1x95 TPD (as per State EC dated 24.03.2008)	2X100 TPD	1X100 TPD + 1x95 TPD + 2X100 TPD	1X100 TPD + 1x95 TPD + 2X100 TPD	*	-	1 X 350 TPD	745 TPD (1X100 TPD + 1x95 TPD + 2X100 TPD + 1X350 TPD)
3	SMS (Induction Furnace with CCM)	•	600 TPD (4 x 15 T)	600 TPD (4 x 15 T)	300 TPD (2 x 15 T)	150 TPD (1 x 15 T)	150 TPD (1 X 15T)	750 TPD (3 x 25T)	1350 TPD (4 x 15 T + 3 x 25T)
4	Rolling Mill	-	600 TPD	600 TPD	*	-	600 TPD*	Capacity revision from approved 600 TPD* to 1000 TPD	1000 TPD
5	Captive Power Plant	8	18 MW (8 MW WHRB + 10 MW AFBC)	18 MW (8 MW WHRB + 10 MW AFBC)	10 MW (4x10 TPH WHRB + 1x20 TPH AFBC*)	*	8 MW (1X20 TPH Proposed AFBC + *Balance 12 TPH Steam from existing AFBC)	7 MW WHRB	25 MW (15 MW WHRB + 10 MW AFBC)
6	Producer Gas Plant	-	•			*	-	12 x 4000 Nm³/hr	48,000 Nm ³ /hr

Sr. Environmental Engineer
W. B. Pollution Control Board
Dept. of Environment, GoWB

Annexure - II to NOC Sl. No. NO164516

Special conditions issued to M/s. Bravo Sponge Iron Pvt. Ltd. at Vill – Mahuda, PO – Rukni, PS – Para, Dist – Purulia, West Bengal (Expansion Project)

A) Emission Details :-

As per Annexure - I

- 1. The 95 TPD DRI unit shall be upgraded to 100 TPD with installation of 2MW WHRB.
- 2. Particulate emission from all stacks shall be less than 30mg/Nm³.
- Stacks should have sampling port, platform and ladder as per the Emission Regulation Part-III of CPCB.
- The project proponent shall install 24X7 continuous monitoring system in the process stacks to monitor stack emission and connected to SPCB and CPCB's servers.
- All roads inside the plant shall be paved, vacuum cleaners shall be provided to clean roads and shop floors.
- The project proponent shall install continuous ambient air quality monitoring system for monitoring in at least 4 locations covering upwind and downwind directions as directed by MoEF&CC and connected to SPCB and CPCB's servers.
- Effective fugitive emission control measures should be imposed in the project. Water spray systems shall be included to control fugitive dust from RM Stockpiles.
- All dust generated and collected from the plant roads, floors and bag houses/ESPs shall be recycled to Pellet Plant.
- The National Ambient Air Quality Emission Standards issued by MoEF vide G.S.R 826(E) dated 16th November, 2009 should be complied with.
- 10. Dry fog system and water sprinklers to be installed to arrest fugitive emission.
- 11. De-dusting system like bag filters should be present in all areas of material handling, separation, product house, intermediate bins, transfer points etc.
- 85-90% rolling shall be done as hot charged. Use of LDO shall be practiced in RHF whenever it is run. FO and Pulverized coal shall not be used.
- 13. Air cooled condensers shall be used.
- 14. Energy conservation measures like use of VFD, Slip power recovery etc. shall be adopted.

B) Effluent:-

- Process effluent generated will be treated in appropriately designed Effluent Treatment Plant.
 The treated effluent to be utilized within the plant premises. Zero Discharge Principle should
 be strictly adhered to.
- 2) Tar and oil separator/skimmer should be provided in the Producer Gas Plant. The schemed Tar/Oil shall be stored separately and disposed off as per the Hazardous Wastes (Handling and Trans-boundary Movement) Rules, 2016 and its subsequent amendments. Phenolic waste water should be recycled.
- Cooling water to be recycled.
- 4) Domestic effluent shall be treated in appropriately designed Sewage Treatment Plant and the discharge shall comply with the stipulated standards.

Annexure – II to NOC Sl. No. NO164516 Special conditions issued to M/s. Bravo Sponge Iron Pvt. Ltd. at Vill – Mahuda, PO – Rukni, PS – Para, Dist – Purulia, West Bengal (Expansion Project)

- The project proponent shall install 24X7 continuous effluent monitoring system as directed by MoEF&CC.
- 6) 100 % water consumed annually shall be recharged through water harvesting. Detailed water harvesting plan should be implemented and submitted to the Regional Office of the Board.

C) Solid Waste: -

- 1. Fly ash to be sold to cement manufacturing units.
- 2. Dolo-char to be used in AFBC.
- 3. Bottom ash and slag form induction furnace to be used for land filling and road making.
- 4. Hazardous Waste to be collected and disposed of as per the Hazardous Wastes (Handling and Trans-boundary Movement) Rules, 2016 and its subsequent amendments.
- 5. The project proponent shall ensure 100% utilization of solid waste generated by the plant.
- 6. Dumping of wastes is permitted only at designated locations.

D) Greenbelt:-

1. 40 % green belt shall be provided using 2500 trees per ha around the plant boundary.

E) General:-

- All conditions laid down in the Environmental Clearance obtained for the expansion project from MoEF, GoI vide no. J-11011/758/2009-IA II (I) dated 05.11.2020 must be strictly followed.
- 2) Noise Control Ambient noise & D. G. Set noise level not to exceed the permissible limit.
- 3) No additional machinery / equipments can be installed without permission from this board.
- 3) Adequate arrangement for dust suppression in raw material handling section to be provided.
- 4) Rain water harvesting must be done however recharging of harvested rain water is not allowed under any circumstances.
- 5) The conveyor belt for transferring materials to day bins & skip hoist to be covered.
- 6) Good house-keeping to be maintained.
- 7) All requisite permissions / compliance / certificates / licenses from the Competent Authority shall be obtained.
- 8) Permission for extracting ground water must be obtained from the competent authority.
- Project proponent should not undertake any activity on any portion of land which is not under their possession.
- 10) Monitoring of compliance of the Environmental Clearance conditions should be submitted with third party audit reports every year.
- 11) This NOC is valid up to 30.11.2027 for setting up the expansion project.

Member Secretary/Sr. Environmental Engineer (EIM Cell)

West Bengal Pollution Control Board Sr. Environmental Engineer

W. B. Pollution Control Board Dept. of Environment, GoWB

2

Annexure-4













FORMAT NO: ENV/FM/37

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.			Typ	oe o	of Industry		:	Steel & Pov	er l	Unit
Industry														
Address	:	Vill. – Moł	ıuda	a. P.O. – Rukni, P.	S. – Para, Purulia -	- 723145	San	npl	ing Date		:	03.03.2021	- 0	4.03.2021
							Per	ioc	of Analysis		:	06.03.2021	- 0	6.03.2021
							Dat	e o	f Issue		:	08.03.2021		
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Met	tho	d and Plan	:	No	Type of	:	Ambient Air
											- 4	Sample		
Sample ID No		: ENV/06	M/o	arch/A/V		Report No		:	ENV/06/M	arch	/TR(A)/V/20-21		

A]	<u>GEN</u>	<u>IERAL</u>	INFOR	MATIO	N
				-	

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

METEOROLOGICAL INFORMATION B]

Average Temperature (°C) 1. 26.0 : Average Relative Humidity (%) 50.0 2. 3. Barometric Pressure (mm of Hg) 752.0

Smell or Odour No Remarkable Smell 4.

5. Weather Condition Clear sky

RESULTS C]

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS
NO.				
1.	Concentration of PM _{2.5}	μg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	44.76
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23) : 2006	87.31
3.	Concentration of SO ₂	$\mu g/m^3$	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	8.10
			2007: Sec. 11 (Vol. 11.07) : 2011	
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	28.02
			2005 : Sec. 11 (Vol. 11.07) : 2011	
5.	Concentration of CO	mg/m^3	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94	0.17
			reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	
6.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22) 2004	< 0.01
7.	Benzo (a) Pyrene (BaP)	ng/m³	IS 5182 (Part 12): 2004 & ASTM D 6209-98 reapproved	< 0.36
			2004 : Sec. 11 (Vol. 11.07) : 2011	
8.	Benzene (C ₆ H ₆)	μg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved	< 0.74
		100	2007 : Sec. 11 (Vol. 11.07) : 2011	
9.	Ozone (O ₃)	$\mu g/m^3$	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH3)	$\mu g/m^3$	NIOSH Manual of Analytical Method, 4th Edition 1994, Method 6015,	<4.18
			issue 2	
11.	Nickel (Ni)	ng/m³	EPA IO 3.2, 1999	< 0.02
12.	Arsenic (As)	ng/m³	EPA IO 3.2, 1999, APHA 23rd Ed 3114C: 2017	< 0.01
Rema	rks :			

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

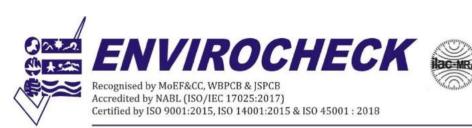
(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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













FORMAT NO: ENV/FM/37

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.			Тур	e o	of Industry		:	Steel & Pov	ver i	Unit
Industry														
Address	:	Vill. – Moł	ıuda	a. P.O. – Rukni, P.	S. – Para, Purulia -	- 723145	San	npl	ing Date		:	03.03.2021	- 0	4.03.2021
							Per	ioc	d of Analysis		:	06.03.2021	- 0	6.03.2021
							Dat	e o	of Issue		:	08.03.2021		
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Met	ho	d and Plan	:	No	Type of	:	Ambient Air
		Sample					Sample							
Sample ID No	. [: ENV/06	5/M	arch/A/VI		Report No		:	ENV/06/M	arch	/TR(A)/VI/20-2	1	

A] **GENERAL INFORMATION**

1. Location of Sampling Mohuda Village (0.5 K.M. from Plant) (Southern Side) 2.

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

B] **METEOROLOGICAL INFORMATION**

Average Temperature (°C) 26.0 1. 2. Average Relative Humidity (%) 50.0 Barometric Pressure (mm of Hg) 752.0 3.

Smell or Odour No Remarkable Smell 4.

Weather Condition 5. Clear sky

RESULTS C]

centration of PM _{2.5}	μg/m³ μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006 IS 5182 (PART 23) : 2006	40.33
centration of PM ₁₀	ug/m³	IC E102 (DADT 22) . 2006	
	1-0/	15 5102 (PART 23): 2006	72.14
centration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	5.97
		2007: Sec. 11 (Vol. 11.07) : 2011	
centration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	24.01
		2005 : Sec. 11 (Vol. 11.07) : 2011	
		4	$2007: Sec. \ 11 \ (Vol. \ 11.07): 2011$ centration of NO_2

Reviewed By:

Approved By:

(Durbadal Chakraborty, Dy. Quality Manager)

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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













FORMAT NO: ENV/FM/37

Name of the Industry	:	Bravo Spo	nge	Iron Pvt. Ltd.			Type	of Industry		:	Steel & Pov	ver	Unit
Address	:	Vill. – Moł	nuda	a. P.O. – Rukni, P.	S. – Para, Purulia -	- 723145	Samp	ling Date		:	03.03.2021	0	4.03.2021
							Perio	d of Analysis		:	06.03.2021	. – 0	6.03.2021
							Date	of Issue		:	08.03.2021		
Sampling Plar	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	Metho	od and Plan	:	No	Type of	:	Ambient Air
											Sample		
Sample ID No : ENV/06/March/A/VII Report N						Report No		ENV/06/M	arch	1/TR	A)/VII/20-2	2.1	

1	Location of Campling

Near Railway Siding Area (Northern Side) Location of Sampling 2.

24 hrs. (11:00 a.m. - 11:00 a.m.) **Duration of Sampling**

METEOROLOGICAL INFORMATION B]

GENERAL INFORMATION

1. Average Temperature (°C) 26.0 Average Relative Humidity (%) 50.0 2. 3. Barometric Pressure (mm of Hg) 752.0

Smell or Odour No Remarkable Smell 4.

5. Weather Condition Clear sky

C] **RESULTS**

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	36.32
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2006	74.21
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	5.33
			2007: Sec. 11 (Vol. 11.07) : 2011	
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	22.63
			2005 : Sec. 11 (Vol. 11.07) : 2011	

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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













FORMATNO: ENV/FM/37

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.			Тур	e c	of Industry		:	Steel & Pov	ver l	Unit
Industry														
Address	:	Vill. – Moh	ıuda	ı. P.O. – Rukni, P.	S. – Para, Purulia -	- 723145	Sam	ıpl	ing Date		:	03.03.2021	- 0	4.03.2021
							Peri	iod	l of Analysis		:	06.03.2021	- 0	6.03.2021
							Date	e o	f Issue		:	08.03.2021		
Sampling Plan	ı & :	Procedure		ENV/SOP/01	Deviation from t	he Sampling	g Met	ho	d and Plan	:	No	Type of	:	Ambient Air
							Sample							
Sample ID No	. [: ENV/06	/M	arch/A/VIII		Report No.		: [ENV/06/M	arch	/TR(A)/VIII/20-	21	

A]	GENERAL INFORMATION

Near Main Administrative Building (Eastern Side) 1. Location of Sampling

24 hrs. (11:30 a.m. -11:30 a.m.) 2. **Duration of Sampling**

METEOROLOGICAL INFORMATION B]

Average Temperature (°C) 1. 26.0 : Average Relative Humidity (%) 50.0 2. 3. Barometric Pressure (mm of Hg) 752.0

Smell or Odour No Remarkable Smell 4.

5. Weather Condition Clear sky

RESULTS **C**]

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	50.67
2.	Concentration of PM ₁₀	μg/m³	IS 5182 (PART 23) : 2006	83.34
3.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	6.40
			2007: Sec. 11 (Vol. 11.07) : 2011	
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	28.48
			2005 : Sec. 11 (Vol. 11.07) : 2011	

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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

Annexure-5













FORMAT NO: ENV/FM/57

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.			Тур	e c	of Industry		:	Steel & Pow	er l	Jnit
Industry														
Address	:	Vill. – Moh	ıuda	a. P.O. – Rukni, P.S	S. – Para, Purulia -	- 723145	Sam	pl	ing Date		:	03.03.2021		
							Peri	oc	of Analysis		:	06.03.2021	- 0	6.03.2021
							Date	9 0	f Issue			08.03.2021		
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Met	ho	d and Plan	:	No	Type of	:	Work Zone
												Sample		
Sample ID No		: ENV/06	/M	arch/A/IX		Report No	. :		ENV/06/M	arcl	ı/TR(A)/IX/20-21	1	

Ţ

Raw Material Stock Yard (Raw Material Handling Section)

Duration of Sampling 08 hrs. (02:00 p.m. - 10:00 p.m.) 2.

METEOROLOGICAL INFORMATION B]

GENERAL INFORMATION

1. Average Temperature (°C) 33.0 2. Average Relative Humidity (%) 68.0 : Barometric Pressure (mm of Hg) 3. 752.0

Smell or Odour No Remarkable Smell 4.

C1RESULTS

A]

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SPM	μg/m³	NIOSH 0500 : 2005	562.20

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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









FORMAT NO: ENV/FM/57

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.			Тур	e c	of Industry	:	Steel & Pow	er l	Unit
Industry													
Address	:	Vill Moł	ıuda	a. P.O. – Rukni, P.	S. – Para, Purulia -	- 723145	Sam	ıpl	ing Date	:	03.03.2021		
							Peri	ioc	d of Analysis	:	06.03.2021	- 0	6.03.2021
							Date	e o	of Issue	:	08.03.2021		
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	Met	ho	d and Plan :	No	Type of	:	Work Zone
											Sample		
Sample ID No.		: ENV/06	M/M	arch/A/IX		Report No		:	ENV/06/March	n/TR((A)/IX/20-21	1	

A]	GEN	ERAL	INFOR	MATIO	N
				-	

Raw Material Stock Yard (Raw Material Handling Section) Location of Sampling 1.

08 hrs. (02:00 p.m. - 10:00 p.m.) 2. **Duration of Sampling**

METEOROLOGICAL INFORMATION B]

Average Temperature (°C) 1. 33.0 : 2. Average Relative Humidity (%) : 68.0 3. Barometric Pressure (mm of Hg) 752.0

Smell or Odour No Remarkable Smell 4.

C1 RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	7.04
			reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	
2.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	25.40
			2005 : Sec 11 (Vol. 11.07) : 2011	

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org Email

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













FORMAT NO: ENV/FM/57

Name of the	:	Bravo Spo	nge	Iron Pvt. Ltd.			Typ	e o	of Industry		:	Steel & Pov	er l	Unit
Industry														
Address	:	Vill. – Moł	ıuda	a. P.O. – Rukni, P.	S. – Para, Purulia -	- 723145	San	ıpl	ing Date		:	03.03.2021		
							Per	ioc	d of Analysis		:	06.03.2021	- 0	6.03.2021
							Dat	e c	of Issue		:	08.03.2021		
Sampling Plar	1 &	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Met	ho	d and Plan	:	No	Type of	:	Work Zone
												Sample		
Sample ID No		: ENV/06	5/M	arch/A/X		Report No.		:	ENV/06/M	arch	r/TR(A)/X/20-21		

A]	GENERAL INFORMATION
4	I CC 1:

Location of Sampling
 Duration of Sampling
 Near AFBC Boiler Area (CPP Division)
 08 hrs. (08:30am to 04:30pm)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0 2. Average Relative Humidity (%) : 66.0 3. Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SPM	μg/m³	NIOSH 0500 : 2005	416.10
Rema	rks :			

nemarks .

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email: info@envirocheck.org /envirocheck50@gmail.com / Website: www.envirocheck.org

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









FORMAT NO: ENV/FM/57

Name of the Industry	:	Bravo Spo	nge	Iron Pvt. Ltd.			Тур	pe o	of Industry		:	Steel & Pov	ver	Unit
Address	:	Vill. – Moł	ıuda	a. P.O. – Rukni, P.	S. – Para, Purulia -	- 723145	Sar	npl	ing Date		:	03.03.202	-	
							Per	rioc	of Analysis		:	06.03.202	. – 0	6.03.2021
							Dat	te o	f Issue		:	08.03.2023	_	
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Me	tho	d and Plan	:	No	Type of Sample	:	Work Zone
Sample ID No		: ENV/06	/M	arch/A/X		Report No		:	ENV/06/M	arch	/TR(A)/X/20-2		

A] GENERAL INFORMATION

Location of Sampling
 Duration of Sampling
 Near AFBC Boiler Area (CPP Division)
 08 hrs. (08:30am to 04:30pm)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 34.0
 Average Relative Humidity (%) : 66.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	8.96
			reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	
2.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	30.02
			2005 : Sec. 11 (Vol. 11.07) : 2011	
Rema	rks :		2005 : Sec. 11 (Vol. 11.07) : 2011	L

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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













FORMAT NO: ENV/FM/57

Name of the	:	Bravo Spo	Bravo Sponge Iron Pvt. Ltd.						of Industry	:	Steel & Pov	ver l	Unit	
Industry														
Address	:	Vill. – Moł	Vill. – Mohuda. P.O. – Rukni, P.S. – Para, Purulia – 723145						ing Date	:	03.03.2021			
								Period of Analysis			:	06.03.2021 - 06.03.2021		
							Date of Issue : 08.03.2021							
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation from t	he Sampling	g Metl	ho	d and Plan	:	No	Type of	:	Work Zone
											Sample			
Sample ID No. : ENV/06/March/A/XI Report N						Report No.	. :	: [ENV/06/M	arch	/TR(A)/XI/20-2	1	•

GENERAL INFORMATION A]

In between DRI – 1 & 2 and DRI – 3 & 4 (DRI Section) 1. Location of Sampling

Duration of Sampling 08 hrs. (03:00 p.m. - 11:00 p.m.) 2.

B] **METEOROLOGICAL INFORMATION**

1. Average Temperature (°C) 33.0 : 2. Average Relative Humidity (%) 72.0 Barometric Pressure (mm of Hg) 3. 752.0

Smell or Odour No Remarkable Smell 4.

C1RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SPM	μg/m³	NIOSH 0500 : 2005	481.06

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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

: • UAE • Qatar • Netherlands









FORMAT NO: ENV/FM/57

Name of the	:	Bravo Spo	avo Sponge Iron Pvt. Ltd.					Type of Industry : Steel & Power U				Unit		
Industry														
Address	:	Vill Moł	Vill. – Mohuda. P.O. – Rukni, P.S. – Para, Purulia – 723145					Sampling Date			03.03.2021			
									Period of Analysis			06.03.2021 - 06.03.2021		
							Date of Issue : 08.03.2021							
Sampling Plan	1 & I	Procedure		ENV/SOP/01	Deviation from t	he Sampling	g Meth	od and Plan	:	No	Type of	:	Work Zone	
										Sample				
Sample ID No. : ENV/06/March/A/XI Report						Report No	. :	ENV/06/M	arch	r/TR(A)/XI/20-21	1		

A	CEN	ERA	IINII	CODM	TATI	ON
A.	ULIN	LICA	LINI	UNIV	IMII	UN

1. Location of Sampling : In between DRI – 1 & 2 and DRI – 3 & 4 (DRI Section)

2. Duration of Sampling : 08 hrs. (03:00 p.m. – 11:00 p.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 33.0
 Average Relative Humidity (%) : 72.0
 Barometric Pressure (mm of Hg) : 752.0

4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
l.	Concentration of SO ₂	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01	6.40
			reapproved 2007: Sec. 11 (Vol. 11.07): 2011	
2.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	20.78
			2005 : Sec. 11 (Vol. 11.07) : 2011	

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email: info@envirocheck.org /envirocheck50@gmail.com / Website: www.envirocheck.org

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

Annexure-6













FORMAT NO. ENV/FM/40

TEST REPORT

Name of the		:	Bravo Sponge I	ron Pvt. Ltd.				Ту	pe of In	dustry	:	Steel & Power Unit
Industry												
Address		:	Vill Mahuda,	P.O. – Rukni, P.S	S. –	Para	1,	Sai	npling	Date	:	03.03.2021
			Purulia - 7231	45				Per	riod of A	Analysis	:	06.03.2021 - 09.03.2021
								Da	te of Iss	ue	:	11.03.2021
Sampling Plan	&		ENV/SOP/01	Deviation fr	om		:	No	Туре	of	:	Industrial Effluent Water
Procedure				the Samplin	g				Samp	ole		(Grab)
				Method and	Pla	ın						22
Location	:	E.T.P Outlet		Sample ID : EN		V/0	1/Mar	/March/W Rep			: ENV/01/March/TR(W)/20-	
				No.						No.		21

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH value	4500H+B APHA 23 rd Edition, 2017		7.12
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	22.0
3.	Oil & Grease	5520 Oil B/D APHA 23 rd Edition, 2017	mg/l	4.5
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition, 2017	mg/l	77.44
5.	Biochemical Oxygen	5210 BOD B APHA 23 rd Edition, 2017	mg/l	8.0
	Demand for 3 days at 27°C			

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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

Annexure-7











FORMAT NO. ENV/FM/55

TEST REPORT

Name of the	Name of the Industry : Bravo Sponge Iron Pvt. Ltd.					Type of Industry : Stee				Stee	el & Power Unit						
Address	Address : Vill. – Mahuda, P.O. – Rukni, P.S. – Para,				Para,	Sampling Date : 05.03.2021											
					Purulia – '	723145			Period of Analysis				08.0)3.2021 – 12.03.2021			
									Date	of I	ssue			13.0	3.2021		7
Sampling Pla	n	:	E	NV/	SOP/01	Deviation from the S	Sam	pling Metho	od	:	No	Туре	of S	Sampl	e	:	Water Sample
& Procedure	!					and Plan											
Location	:	На	nd P	um	p at	Sample ID No.	:	ENV/693.	A/W/I	M	Re	port N	0.	:	ENV/	693	A/W/M/20-21
		Ma	hud	a Vi	llage												

	<u>PARAMETERS</u>	<u>METHOD</u>	RESULTS	LIMIT (IS 10500 : 2012)				
				Acceptable	Permissible			
1.	Colour	IS 3025 (Part 4): 1983, RA 2012	1.0	5.0	15.0			
2.	Odour	IS 3025 (Part 5)	Odourless	Agreeable	Agreeable			
3.	рН	IS 3025 (Part 11): 1984, RA 2012	7.60	6.5-8.5	No Relaxation			
4.	Taste	IS 3025 (Part 7 and 8)	Acceptable	Agreeable	Agreeable			
5.	Turbidity (NTU)	IS 3025 (Part 10): 1984, RA 2012	1.10	1.0	5.0			
6.	Total Dissolved Solids (mg./l)	IS 3025(Part 16): 1984, RA 2014	820.0	500.0	2000.0			
7.	Calcium (mg./l)	IS 3025 (Part 40): 1991, RA 2014	32.50	75.0	200.0			
8.	Chloride (mg./l)	IS 3025 (Part 32): 1988, RA 2014	165.0	250.0	1000.0			
9.	Iron (mg./l)	IS 3025(Part 53): 2003, RA 2014	0.90	1.0*	No Relaxation			
10.	Magnesium (mg./l)	IS 3025 (Part 46): 1994, RA 2014	8.50	30.0	100.0			
11.	Nitrate (mg./l)	IS 3025 (Part 34): 1988, RA 2014	4.50	45.0	No Relaxation			
12.	Sulphate (mg./l)	IS 3025 (Part 24): 1986, RA 2014	120.0	200.0	400.0			
13.	Total Alkalinity (mg./l)	IS 3025 (Part 23): 1986, RA 2014	110.0	200.0	600.0			
14.	Total Hardness (mg./l)	IS 3025 (Part 21): 2009, RA 2014	90.0	200.0	600.0			
15.	Arsenic (mg./l)	IS 3025 (Part 37): 1988, RA 2014	<0.01	0.01	No Relaxation*			
16.	Chromium (mg./l)	IS 3025 (Part 52): 2003, RA 2014	<0.02	0.05	No Relaxation			
17.	Boron (mg./l)	IS 13428 : 2005 : Annex H : 2014	<0.1	0.5	1.0			

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

Reviewed By:

Approved By:

(Durbadal Chakraborty) (Dy. Quality Manager) (Indrani Bhattacharyya) (Dy. Technical Manager)

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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













FORMAT NO. ENV/FM/55

<u>TEST REPORT</u>

Name of the Indi	Name of the Industry : Bravo Spo			Bravo Spo	onge Iron Pvt. Ltd.				of	Indust	ry	:	Steel & Po	ower	Uni	it
Address	Address : Vill. – Ma			Vill. – Mahuda, P.O. – Rukni, P.S. – Para,				Samp	lin	g Date			05.03.202	21	7	
	Purulia – 7		723145			Period of Analysis				:						
						Date of Issue				:						
Sampling Plan	:	El	NV/	SOP/01	Deviation from the S	am	pling Metho	od	:	No	Type	of S	Sample	:		Water Sample
& Procedure					and Plan											
Location :	Ha	and P	um	p at	Sample ID No.	:		•		Re	port N	0.	:			
	M	ahud	a Vi	llage									11 1			

	<u>PARAMETERS</u>	<u>METHOD</u>	RESULTS	LIMIT (IS 10500 : 2012)
1.	Total Coliform (CFU/100 ml.)	9222 B, APHA 23 rd ., 2017	Absent	Shall not be detectable in any
	\ \			100 ml. sample
2.	E. Coli (CFU/100 ml.)	9222 I, APHA 23 rd Ed., 2017	Absent	Shall not be detectable in any
				100 ml. sample

Remarks: CFU indicates Colony Forming Unit.

Reviewed By:

(Durbadal Chakraborty) (Dy. Quality Manager)

Approved By:

(Priyanka Mukherjee)

friganka Alukhrijke

(Technical Manager, Microbiology)

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

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

: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org Email

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

Annexure-8









Vill. - Mahuda, P.O - Rukni, P.S - Para, District - Purulia, Pin - 723145

MONITORED BY:

ENVIROCHECK 189, Rastraguru Avenue, Calcutta - 700 028

Report No: 230/EC/M/N/I/20-21

Sampling Locations :	Near Security Gate – Western Side	Date of Study :	03.03.2021
Category:	Integrated Steel Plant	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	53.8	60.1	58.00	
7:00 AM to 8:00 AM	53.9	59.7	57.70	
8:00 AM to 9:00 AM	54.1	60.0	57.98	
9:00 AM to 10:00 AM	54.6	60.1	58.17	
10:00 AM to 11:00 AM	54.7	59.8	57.96	
11:00 AM to 12:00 PM	54.5	60.2	58.22	
12:00 PM to 1:00 PM	54.8	60.2	58.29	
1:00 PM to 2:00 PM	53.3	59.9	57.75	57.00
2:00 PM to 3:00 PM	52.8	58.4	56.45	
3:00 PM to 4:00 PM	52.6	57.6	55.78	
4:00 PM to 5:00 PM	53.6	57.2	55.76	
5:00 PM to 6:00 PM	52.9	56.1	54.79	
6:00 PM to 7:00 PM	52.7	56.7	55.15	
7:00 PM to 8:00 PM	53.6	57.7	56.12	
8:00 PM to 9:00 PM	52.2	58.1	56.08	
9:00 PM to 10:00 PM	52.0	56.6	54.88	

Date of Study:	03.03.2021 to 04.03.2021	Night time :	10 PM to 6 AM

Time(hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	51.1	55.9	54.13	
11:00 PM to 12:00 AM	51.2	55.6	53.93	
12:00 AM to 1:00 AM	51.3	55.4	53.82	
1:00 AM to 2:00 AM	50.2	57.7	55.40	55.78
2:00 AM to 3:00 AM	50.8	58.0	55.75	
3:00 AM to 4:00 AM	51.7	58.6	56.40	
4:00 AM to 5:00 AM	52.2	59.6	57.32	
5:00 AM to 6:00 AM	52.6	59.9	57.63	

 $L_{min}\,$: Minimum Noise level

L_{max}: Maximum Noise level

L_{eq}: Equivalent sound energy

Compiled by : (Signature)

Dr. Ajoy Paul

Envirocheck Seal

Date: 11.03.2021



Certified by : (Signature) Dr. S. B. Chowdhury

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

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

Email: envcheck@cal2.vsnl.net.in/envirocheck50@gmail.com / Website: www.envirocheck.org

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

Overseas: UAE - Qatar - Netherlands









Vill. - Mahuda, P.O - Rukni, P.S - Para, District - Purulia, Pin - 723145

MONITORED BY :

ENVIROCHECK 189, Rastraguru Avenue, Calcutta - 700 028

Report No: 230/EC/M/N/II/20-21

Sampling Locations :	Mohuda Village (0.5 KM from Plant) – Southern Side	Date of Study :	03.03.2021
Category:	Integrated Steel Plant	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	46.2	48.9	46.80	
7:00 AM to 8:00 AM	47.7	50.3	49.19	
8:00 AM to 9:00 AM	48.1	49.6	48.91	
9:00 AM to 10:00 AM	48.7	51.5	50.32	
10:00 AM to 11:00 AM	49.9	51.9	51.01	
11:00 AM to 12:00 PM	49.6	52.4	51.22	
12:00 PM to 1:00 PM	49.7	52.8	51.52	
1:00 PM to 2:00 PM	50.1	53.4	52.06	50.47
2:00 PM to 3:00 PM	50.2	53.9	52.43	
3:00 PM to 4:00 PM	50.1	52.7	51.59	
4:00 PM to 5:00 PM	49.8	52.3	51.23	
5:00 PM to 6:00 PM	48.6	52.6	51.05	
6:00 PM to 7:00 PM	47.2	52.7	50.77	
7:00 PM to 8:00 PM	46.1	51.9	49.90	
8:00 PM to 9:00 PM	42.2	50.6	48.18	
9:00 PM to 10:00 PM	40.1	48.6	46.16	

Date of Study: 03.03.2021	to 04.03.2021	Night time :	10 PM to 6 AM
---------------------------	---------------	--------------	---------------

Time(hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	40.6	44.6	43.05	
11:00 PM to 12:00 AM	39.8	42.9	41.62	
12:00 AM to 1:00 AM	39.5	42.8	41.46	
1:00 AM to 2:00 AM	40.7	43.2	42.13	43.72
2:00 AM to 3:00 AM	41.2	43.7	42.63	
3:00 AM to 4:00 AM	42.6	45.1	44.03	
4:00 AM to 5:00 AM	43.9	46.7	45.52	
5:00 AM to 6:00 AM	44.9	47.6	46.46	

 L_{\min} : Minimum Noise level

L_{max}: Maximum Noise level

L_{eq}: Equivalent sound energy

Compiled by : (Signature)

Dr. Ajoy Paul

Envirocheck Seal

Date: 11.03.2021



Certified by : (Signature) Dr. S. B. Chowdhury

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

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

Email: envcheck@cal2.vsnl.net.in/envirocheck50@gmail.com / Website: www.envirocheck.org

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

Overseas: *UAE * Qatar * Netherlands









Vill. – Mahuda, P.O – Rukni, P.S – Para, District – Purulia, Pin - 723145

MONITORED BY :

ENVIROCHECK 189, Rastraguru Avenue, Calcutta - 700 028

Report No: 230/EC/M/N/III/20-21

Sampling Locations :	Near Railway Siding Area – Northern Side	Date of Study :	03.03.2021
Category:	Integrated Steel Plant	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	60.2	62.6	61.56	
7:00 AM to 8:00 AM	60.6	63.8	62.49	
8:00 AM to 9:00 AM	58.8	64.2	62.29	
9:00 AM to 10:00 AM	60.9	64.6	63.13	
10:00 AM to 11:00 AM	61.6	65.7	64.12	
11:00 AM to 12:00 PM	61.8	66.1	64.46	
12:00 PM to 1:00 PM	62.1	65.9	64.40	
1:00 PM to 2:00 PM	62.2	66.3	64.72	
2:00 PM to 3:00 PM	62.8	64.6	63.79	62.59
3:00 PM to 4:00 PM	61.6	63.6	62.71	
4:00 PM to 5:00 PM	60.2	62.7	61.63	
5:00 PM to 6:00 PM	61.6	63.1	62.41	
6:00 PM to 7:00 PM	59.8	61.6	60.79	
7:00 PM to 8:00 PM	57.6	60.6	59.35	
8:00 PM to 9:00 PM	56.1	60.8	59.06	
9:00 PM to 10:00 PM	56.8	59.6	58.42	

Date of Study :	03.03.2021 to 04.03.2021	Night time :	10 PM to 6 AM

Time(hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	52.8	56.2	54.82	
11:00 PM to 12:00 AM	53.8	56.5	55.12	
12:00 AM to 1:00 AM	54.8	57.4	56.29	
1:00 AM to 2:00 AM	53.4	55.7	54.70	55.36
2:00 AM to 3:00 AM	52.7	57.8	55.96	
3:00 AM to 4:00 AM	53.9	56.1	55.14	
4:00 AM to 5:00 AM	50.4	54.6	54.36	
5:00 AM to 6:00 AM	54.7	57.1	56.06	

 $L_{min}\,$: Minimum Noise level

L_{max}: Maximum Noise level

L_{eq}: Equivalent sound energy

Compiled by : (Signature)

Dr. Ajoy Paul

Envirocheck Seal

Date: 11.03.2021



Certified by : (Signature) Dr. S. B. Chowdhury

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

Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889)

Email : envcheck@cal2.vsnl.net.in/envirocheck50@gmail.com / Website : www.envirocheck.org

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

Overseas : *UAE = Qatar = Netherlands









Vill. - Mahuda, P.O - Rukni, P.S - Para, District - Purulia, Pin - 723145

MONITORED BY :

ENVIROCHECK 189, Rastraguru Avenue, Calcutta - 700 028

Report No: 230/EC/M/N/IV/20-21

Sampling Locations:	Near Main Administrative Building – Eastern Side	Date of Study :	03.03.2021
Category :	Integrated Steel Plant	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	55.6	56.8	56.24	
7:00 AM to 8:00 AM	54.9	57.1	56.14	
8:00 AM to 9:00 AM	56.1	57.6	56.91	
9:00 AM to 10:00 AM	56.6	57.6	57.13	
10:00 AM to 11:00 AM	55.3	58.9	57.46	
11:00 AM to 12:00 PM	57.6	58.7	58.18	
12:00 PM to 1:00 PM	55.3	59.1	57.60	
1:00 PM to 2:00 PM	56.7	59.6	58.39	57.97
2:00 PM to 3:00 PM	55.1	59.4	57.76	
3:00 PM to 4:00 PM	54.3	59.9	57.95	
4:00 PM to 5:00 PM	58.2	61.2	59.95	
5:00 PM to 6:00 PM	55.4	60.7	58.81	
6:00 PM to 7:00 PM	56.7	61.4	59.66	
7:00 PM to 8:00 PM	57.2	60.6	59.22	
8:00 PM to 9:00 PM	56.6	58.7	57.78	
9:00 PM to 10:00 PM	55.6	56.1	55.86	

Date of Study :	03.03.2021 to 04.03.2021	Night time :	10 PM to 6 AM
-----------------	--------------------------	--------------	---------------

Time(hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	53.2	55.9	54.76	
11:00 PM to 12:00 AM	52.1	54.2	53.28	
12:00 AM to 1:00 AM	51.4	54.4	53.15	
1:00 AM to 2:00 AM	50.1	53.7	52.26	53.41
2:00 AM to 3:00 AM	51.6	54.1	53.03	
3:00 AM to 4:00 AM	51.3	53.6	52.60	
4:00 AM to 5:00 AM	52.6	54.2	53.47	
5:00 AM to 6:00 AM	53.1	55.1	54.21	

L_{min}: Minimum Noise level

L_{eq}: Equivalent sound energy

Compiled by : (Signature)

Dr. Ajoy Paul

Envirocheck Seal Date: 11.03.2021

Certified by : (Signature) Dr. S. B. Chowdhury

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

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

Email : envcheck@cal2.vsnl.net.in/envirocheck50@gmail.com / Website : www.envirocheck.org

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

Overseas : *UAE * Qatar * Netherlands

Annexure-9













FORMAT NO.: ENV/FM/58

TEST REPORT

1. Name of the Industry / Project			:	Bravo Sponge Iron Pvt. Ltd.		
2.	Address		:	Vill Mahuda, P.O - Rukni, P.S - Par	a, Distr	rict - Purulia, Pin - 723145
3.	Type of Inc	lustry	:	Integrated Steel Plant		7 (8)
4.	Sampling P	lan & Procedure	:	ENV/SOP/01		9.0
5.	Deviation f	rom the Sampling Method & Plan	:	No		
6.	Type of Sai	nple	:	Work Zone Noise		7
7.	Sample ID		:	230/EC/M/N/I/20-21		
8.	Date of Stu	dy	:	03/03/2021		
9.	Reporting	Date	:	11/03/2021		
10.	Method No		:	IS: 9989 - 1981		
11.	1. Time of Duration of Noise			20 Minutes		
12.	12. Height from Ground Level			4 feet		
13.				Mr. Subhas Mondal		
RESULT OF NOISE L				STUDY		Time :10:20 - 10:40A.M
				DAY TIME		
1. Loca	tion : Raw M	laterial Handling Section (Raw Mate	rial S	tock Yard)		
Sl. No.	Unit	Minimum]	Maximum Leq		Remarks
		dB(A)		dB(A) dB(A)		
01.	dB(A)	58.9		63.4 61.71		East Side
02.	dB(A)	59.6		64.1 62.41		West Side
03.	dB(A)	58.0		63.8 61.80		North Side
04.	dB(A)	58.6		64.7 62.64		South Side
	• • • • • • • • • • • • • • • • • • • •			Average dB(A) Leq 62.14		

Reviewed By:

Approved By:

Quality Manager

Dy. Quality Manager

>End of Report<

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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













FORMAT NO.: ENV/FM/58

TEST REPORT

1.	Name of the Industry / Project	:	Bravo Sponge Iron Pvt. Ltd.	
2.	2. Address :		Vill Mahuda, P.O - Rukni, P.S - Para, District - Purulia, Pin - 723145	
3.	Type of Industry	:	Integrated Steel Plant	
4.	Sampling Plan & Procedure	:	ENV/SOP/01	
5.	Deviation from the Sampling Method & Plan	:	No	
6.	Type of Sample	:	Work Zone Noise	
7.	Sample ID	:	230/EC/M/N/II/20-21	
8.	Date of Study	:	03/03/2021	
9.	Reporting Date	:	11/03/2021	
10.	Method No.	:	IS: 9989 - 1981	
11.	Time of Duration of Noise	:	20 Minutes	
12.	Height from Ground Level	:	: 4 feet	
13.	Sample Monitoring by		Mr. Subhas Mondal	
	RESULT OF NOISE I	EVE	I. STUDY Time : 11:00 – 11:20 A.M	

DAY TIME

2 Location · In-hetween Rotary Kiln - 1 2 & 3 4 (DRI)

	2. Location : In-between Rotary Kim - 1,2 & 5,4 (DKI)									
	Sl. No.	Unit	Minimum	Maximum	Leq	Remarks				
			dB(A)	dB(A)	dB(A)					
	01.	dB(A)	70.0	72.2	71.24	East Side				
	02.	dB(A)	70.2	74.8	73.08	West Side				
	03.	dB(A)	72.9	75.3	74.26	North Side				
	04.	dB(A)	71.2	73.0	72.19	South Side				
ĺ				Average dB(A) Lea	72.69					

Reviewed By:

Approved By:

Quality Manager

Dy. Quality Manager

>End of Report<

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

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

: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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













FORMAT NO.: ENV/FM/58

TEST REPORT

1.	Name of the Industry / Project	:	Bravo Sponge Iron Pvt. Ltd.
2.	Address	:	Vill Mahuda, P.O - Rukni, P.S - Para, District - Purulia, Pin - 723145
3.	Type of Industry	:	Integrated Steel Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	230/EC/M/N/III/20-21
8.	Date of Study	:	03/03/2021
9.	Reporting Date	:	11/03/2021
10.	Method No.	:	IS: 9989 - 1981
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Subhas Mondal

·	Time :11:40 - 12:00A.M							
	DAY TIME							
3. Locat	3. Location : Near AFBC Boiler Area (CPP Division)							
Sl. No.	Unit	Remarks						
		dB(A)	dB(A)	dB(A)				
01.	dB(A)	67.0	78.1	75.41	East Side			
02.	dB(A)	68.2	74.8	72.65	West Side			
03.	dB(A)	69.2	76.0	73.81	North Side			
04.	dB(A)	67.0	74.1	71.86	South Side			
			73.43					

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

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

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

Email : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

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

Annexure-10

DRISHTI FIRE BRICKS



Tel. No. : 0341 - 5520414 Mob. No. : 094341-00786 094341-72721, 9832148158

MANUFACTURERS OF HIGH QUALITY REFRACTORIES

Inanpur, P.O. : Digha. P.S. : Neturia Dist. : Purulia (W. B.) , Pin - 723121

Ref. No. CH/16-17/12 RAYO

Date: 01.04.16

AGREEMENT

This agreement hereafter referred to as ("the Agreement") made on this the first day of April 2016 by M/S. Bravo Sponge Iron Pvt. Ltd. a company incorporated under the companies Act, 1956 and having its registered office at Mahuda, P.O.-Rukni, P.S.-Para, Dt.-Purulia hereafter referred to as BSIPL (with expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successor or successors and permitted assigns)

And

M/S. Drishti Fire Bricks, a partnership firm and having its factory at Innanpur, P.O.- Digha, P.S.-Neturia, Purulia-723121 (with expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successor or successors and permitted assigns) of the OTHER Part.

Whereas, the First Party offered "Fly Ash" to M/S. Drishti Fire Bricks generated from the proposed AFBC Boiler at the captive Power Plant of BSIPL, The rate of the Fly ash will be decided fortnightly.

Whereas M/S. Drishti Fire Bricks shall arrange to place vehicle for lifting of the Fly ash on daily basis and will pay the freight to the transporter/truck driver as per lorry receipt and at actual being the charges from Unit of BSIPL, Rukni to the unit of M/S. Drishti Fire Bricks. Vehicles carrying Fly ash shall be emptied and release at earliest.

M/S. Drishti Fire Bricks will utilize the Fly ash towards manufacturing of Fly Ash Bricks at its factory at Inanpur.

Period of Agreement: This agreement shall remain in force for a period of 10(ten) years from the date of Commissioning of the proposed captive Power Plant of BSIPL.

Dispute Resolution. That in the event of any dispute of difference between the parties in respect to this Agreement shall be settled by amicable negotiation between the parties failing which the same shall be decided by Arbitration in accordance with provision of Arbitration and conciliation Act, 1966.

In witness thereof the parties here to have executed this above written on the first day of April' 2016

Signed and Delivered by the above

Signed and Delivered by the above

Name: Degn:Partner M/S. Drishti Fire Bricks

Name: Deepak Kr. Agarwal

Degn: Director

M/S. Bravo Sponge Iron Pvt. Ltd.



পশ্চিমৰুঙ্গ पश्चिम बंगाल WEST BENGAL

E 505045

AN AGREEMENT BETWEEN PURCHASER AND SUPPLIER

This Deed of Agreement is made and entered into on 18th day of September 2018

BETWEEN

M/s. Bravo Sponge Iron Pvt. Limited having its plant operation at Vill. Mahuda, Post-Rukni, PS- Para, Dist- Purulia (WB) here in after called THE SUPPLIER as Party-1

AND

M/s. Diamond Fly ash Bricks, a non-government organisation having its Office at Purulia, Dubra, Purulia (Tentulhity Road) Pin-723155 here in after called THE PURCHASER as party-2

Whereas M/s Diamond Fly ash Bricks has a Brick Manufacturing Project at Purulia district of West Bengal is willing to take Fly ash of power plant from party no.-1 for brick making purpose.

And whereas The SUPPLIER expresses their desire to enter into an agreement with the PURCHASER for utilization its fly ash in brick manufacturing.

NOW THIS DEED OF AGREEMENT WITNESSES THE TERMS AND CONDITIONS AS FOLLOWS:

 That the Agreement shall come into force immediately and shall remain valid for a period of 03 years w. e. f. The date of agreement.

- 2. That this agreement bears no consideration value means it will of FREE OF COST.
- That the SUPPLIER will provide facility to PURCHASER to take the fly ash from its premises and the purchaser will lift fly ash accordingly.
- 4. That the purchaser shall lift the fly ash by his own transportation facilities.
- 5. That the purchaser shall take all possible care to prevent spillage on road during transportation. To avoid spillage lorry will have to cover with tarpaulin.
- 6. That the purchaser will not unload the fly ash other than specified place at his works.
- That the purchaser will have to make water spray on the heap of fly ash during dry weather condition to prevent any further dispersal.
- 8. That the purchaser shall lift a minimum of 30 MT fly ash on daily basis. This condition will not be applied during shut down of the Supplier's plant operation.
- That the Supplier reserves the right to discontinue to provide fly ash to purchaser if at any stage it observes that the purchaser is violating the terms and conditions of this agreement.
- 10. That during any Force Majeure condition which is beyond the control either parties the condition of this agreement shall not be applied.
- 11. That if any dispute arises among parties in connection with or under this Agreement between the Parties hereto, the matter shall be referred to the Executive Director-Corporate or to an Officer designated by him and if it is remain unresolved the matter will under jurisdiction court at District Purulia (WB).

Signed on the 18TH day of <u>SEPTEMBER 2018</u> for and on behalf of the Supplier and Purchaser as follows:

Supplier

Bravo Sponge Iron Pvt. Ltd.

Authorized Signatory

PURCHASER DIAMOND FLY ASH BRICKS

Proprietor

Annexure-11

BRAVO SPONGE IRON PVT. LTD. PLANTATION WITH INDIGENIOUS SPECIES



























Annexure-12



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No. Date: 17/07/2020.
Name B. Dubey Father/Husband Mandry Dubey
Department Security Age 48 Sex 14 Blood Group 'B' (+ Positive
Relevant Personal History No
Relevant Family History No
Prelisting Disease if any No
Physical Examination:
General Health 0 K
Weight 82 kg. Abdomen Normal
B.P - 140 92 PLUS 86 CBG 135
Anemia No
Jaundice NO Blood) RHFACTOR Hb-12:8, Ne-61, LY-33, E0-05, 140-01, Ba-00, ESR-20mm, Tc-7,400/e4
Chest Ecn-Normal 12-ray-Normal
CNS
Ear Ball ear Heavy Senditruity is yound
Ear Both ear Heavy Senditruity is yound EYE Dout 46 M6 & Shu. ev Mormed
Investigation (if any)
Further Advice





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No Date: 170712020.
Name Sunil Mormy Father/Husband Ukil Murmy
Department RMD (DRI) Age Sex Blood Group "B" (+ve)
Relevant Personal History No
Relevant Family History No
Prelisting Disease if any NCO
Physical Examination:
General Health OK
Weight 62 kg. Abdomen Normal
B.P 135/87 PLUS 30 CBG 118.
AnemiaNo
Jaundice Na (Dlocd) RHFACTOR White A Company TC-6600/14
13-122, Ne-69 LY-26, E0-04 MO-01, Ba-00 ESR-20
Chest ECN-Normal, X-ry-Normal
CNS
Ear
EYE Derfren 6/6 M6 & glus + 2.501 CV Morning
Investigation (if any)
Further Advice





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No	Date: 17/07/2020.
Name UHam Kr Bown Fath	ner/Husband Ani Bauer
	Age 216 Sex M Blood Group 'B' (+ve)
Relevant Personal History No	
Relevant Family History No	
Prelisting Disease if any No	
Physical Examination:	
General Health <u>how</u>	
Weight 71 Ky.	AbdomenSoS+
B.P 135 86 PLUS 70	CBG129
Anemia No	
JaundiceN	
RHFACTOR HOD-10.3, ESR-40, TC-	5400, Ne-62, LY-33, EO-04, NO-01, Ba-00).
Chest ECh-Normal,	
CNS	
Ear Back Cong Heen	- Soughtheity is promet
EYE Dant 6/6 46 EV Norm	
Investigation (if any)	
Further Advice	





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No	Date: 1710712020.
Name Monoy Tiwa xi Fath	er/Husband
Department SMC	Age 45 Sex M Blood Group
Relevant Personal History No.	blood Gloup
Relevant Family History No	
Prelisting Disease if any No	
Physical Examination:	
General Health_ howd	
Weight 7914,	Abdomen Soci
B.P 140192 PLUS 82	CBG \35
AnemiaNo	
JaundiceNO	
RH FACTOR	
Chest Ech- 2167mal	
CNS	
Ear Both pany Houng S	rensitivity is morned
EYE Day 6/6 MG To glan. c.	r clormal
Investigation (if any)	
Further Advice	
	4114.4

Checked by
Medical Officer

Aut & VIVERANANDA
HOSPITAL

SCHILLER



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Position of the second of the
Name Is a Date: 17/07/2020
Name Krondon Singh Father/Husband Maria
Department 1 1
Relevant Personal History No. Age 34 Sex 14 Blood Group 6' (+ve)
Relevant Family HistoryNo
Prelisting Disease if any
Physical Examination:
General Health Noted
Weight 58 kg. Abdomen Soft.
B.P 125176 PLUS TE CBG 128
AnemiaN\tilde{\infty}
Jaundice (B) od) - RHFACTOR- Hb~ 14.2, 100-Me-67, LY-29, E6-03, Mo-01, Ba-00, ESR-0, TC-7,400/KE
Chest ECh-Hormal
CNS
Ear Both cong Heavy Sonsitivity up normal
EYE Dis 6/6, N6 Mean ex Mormel
Investigation (if any)
Further Advice





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No. Date: 17-10712.020
Name Thater debidas. Father/Husband Bahudeb
Department Garage of refor Age 30 Sex M Blood Group 'AB' (+ve)
Relevant Personal History No
Relevant Family History Neo
Prelisting Disease if any No
Physical Examination:
General Health hood
Weight 79kg. Abdomen Soft
B.P. 122/84 PLUS 87 CBG 135
Anemia
Jaundice No
(13/00) RH FACTOR Hb-15.6, NC-56, LY-39, FO-04, MO-01, Ba-00, ESR-05, TC-7,70/CY
Chest ECN-Normal
CNS
Ear Boll-cool Heavy Sensitivity in yoursel
Ear Boll-cool Heavy Sensitivity in normal EVE Diet 6/6 Hb name ex Normal
Investigation (if any)
Further Advice





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No. Date: 17/07/2026
Name Rabin Bouni Father/Husband Anandy Beaux.
Department Auto mobile Age 30 Sex M Blood Group A' (tve)
Relevant Personal History No
Relevant Family History
Prelisting Disease if any No
Physical Examination:
General Health hood
Weight 68Kg Abdomen Sest
B.P 11-7-7-6 PLUS 87- CBG 166
Anemia
Jaundice NO (Blood) RH FACTOR 46-12.5, Ne-55, LY-41, 50-02, MO-02, BQ-00, ESR-20, TC-6,600/en
Chest ECR- Normal
CNS
Ear Both cary Heavy Censitivity is normal
EYE Det 6/6 Hem 26 CV alormey
Investigation (if any)
Further Advice



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No Date: _\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Name Birinchi Mahato Father/Husband Bistu
Department Cram a practor Age 38 Sex M Blood Group B" (+ve)
Relevant Personal History 100
Relevant Family History
Prelisting Disease if anyNo
Physical Examination:
General Health Cook .
Weight TEXT Abdomen Soft
B.P 135 37 PLUS 70 CBG 125.
Anemia No
Jaundice No
RH FACTOR Hb-12.29-1, He-64, LY-25, E0-05, MO-01, Ba-00% ESR-20 my Tc-6.600/CH
Chest Ech-Normal,
CNS
Ear Both ears Hoavy Consitruity is normal
EYE Duy t 6/6 Nb Z andars er reported
Investigation (if any)
Further Advice

Checked by
Medical Officer

LN 97

VIVEXANANDA

HOSPITAL

Passion for Caring



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No Date: 1707/2020.
Name Pinter Dalla Father/Husband Miker Duller.
Department DRI = leafn Age 43 Sex M Blood Group "B' (+ve)
Relevant Personal History No
Relevant Family History
Prelisting Disease if any No
Physical Examination:
General Health Garel
Weight 79Kg. Abdomen Soff
B.P 125 90 PLUS 85 CBG 128
AnemiaNo
Jaundice HO
(Blood) AH FACTOR HD-13.2, Me-70, LY-26, E0-03, MO-01, Ba-00, ESR-15, TC-10,000/C
Chest Ech- Hoom al
CNS
Ear Balt can Hoanny Sensityles y normal
EYE Dist 6/6 NG eV Norman
Investigation (if any)
Further Advice

Checked by Medical Officer

VIVEKANANDA HOSPITAL Passon for Carlos



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No Date: _\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Name Buddeshvear Murmy Father/Husband Ananda Murmu
Department DRI process Age 33 Sex 4 Blood Group "B" (+ve)
Relevant Personal HistoryNa
Relevant Family HistoryNo
Prelisting Disease if any
Physical Examination:
General Health OK (Good)
Weight 70 Ky Abdomen Normal (Soft)
B.P 115/72 PLUS 82 CBG 138
Anemia
Jaundice
Chest_ECh-Normal, x-reg- alormal
CNS
Ear Boek care Heaving Soulitimity is yound
Investigation (if any)No
Further Advice

Checked by
Medical Officer

VIVE ANANDA

HOSPITAL



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No. Date: 17/07/2020
Name Shisix Bauri Father/Husband Aghon Bauen
Department Automobile Age 33 Sex M Blood Group 'O' (+ve)
Relevant Personal History
Relevant Family History
Prelisting Disease if any
Physical Examination:
General Health OK (hond)
Weight 33 mg. Abdomen noonmal.
B.P 140190 PLUS +6 CBG 132
Anemia No
Jaundice No
(Blood) RH FACTOR Hb-12.3, Ne-71, LY-20, E0-07, Mb-02, Ba-00, ESR-25 mm, Tc-8100/c4
Chest ECn- Hormal, X-rey- Normed
CNS
Ear Balk- Ears Hoeing Sonsitivity is pormed
EYE Dist 6/6 M6 = glue. parti
Investigation (if any)
Further Advice

Checked by
Medical Officer
WOON
VIVERANANDA
HOSPITAL
Passion for Caring



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No. Date: 17/07/1620
Name Shyancel Mahato Father/Husband Koulcesh Mahato
Department Action of the Age 35 Sex M Blood Group 'A" (+ve)
Relevant Personal History No
Relevant Family History
Prelisting Disease if any
Physical Examination:
General Health OK (Good)
Weight 63kg. Abdomen Nonmeel (Cost)
B.P. 13590 PLUS 81 CBG 123
Anemia
Jaundice
Chest Ecn-Normal, x-ray-Mormal
CNS
Ear Both early Heavy Goulitirity i normal
EUR BORT care Hooning Sonsitivity i normal EYE Dist 6/6 A6 Mean. ev yorony
Investigation (if any)
Further Advice





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Checked by
Medical Officer

A ST

VIVEXANANDA

HOSPITAL



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No Dat	e: 17/07/2020
Name Prasonta Pacen Father/	
Department process (MRI) Age	33 Sex M Blood Group B' (+ve)
Relevant Personal History No	
Relevant Family History	- Value of the second of the s
Prelisting Disease if any No	
Physical Examination:	
General Health OK ·	
Weight 62kg.	Abdomen Normal.
DD 10 10	CBG
Anemia	
Jaundice	7 1/4 - 00 10 - 10 500 - 5 - 7 - 7 - 7
(B)md) RHFACTOR Hb-18.3, Ne-61, LY-30, E0-6 Chest FCh-Normal, xony-11 CNS_	rme
Ear Both can Heaving & EYE Annupe - Au c - 6/18 MG nvestigation (if any)	culitivity i normal
Further Advice	





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No Date: 170712020
Name Rinke Sigh Father/Husband B. P. Singh.
Department Security Age 41 y Sex_ Blood Group "O" (+ ve)
Relevant Personal History
Relevant Family HistoryNo
Prelisting Disease if any
Physical Examination:
General Health OK:
Weight 78 Abdomen Nonnal
B.P. 140195 PLUS 86 CBG 118 .
AnemiaNo
Jaundice NO (Bloch) RHFACTOR Hb-14.4, He-66, Ly-30, E0-02, MO-02, Ba-00, ESR-10mm, Tc-10,800/ca
Chest y-ray - Hornal
CNS
Ear Boll- Cone Hour Sensithwiff is Jornal EYE Dirt Elb Ab Nean law flat Ev Morrial
EYE Dirt Elb Ab Near law flat Ev Morring
nvestigation (if any)
Further Advice



Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No	Date: 17107/2020.
Name Arvind Rai Fat	
	Age 4丰 Sex 14 Blood Group 18"(+ve)
Relevant Family History No.	d'
Prelisting Disease if any No	
Physical Examination:	
General Health 0 K	
Weight &S Kg.	Abdomen Nommal
	CBG\35
AnemiaNo	
Jaundice No. (Blood) RHFACTOR Hb-13.0, Me-67, LY-26, E	E0-06, M0-01, Ba-00, ESR-15, TC-7,100/C4
Chest Ech-Hormal, xry.	CT rufu is Inoney.
CNS	
Ear Broth earl Heavy	Sonsitivity is yound
EYE Dist 6/6 NG coffee, CV	Monmal
Investigation (if any)	
Further Advice	





Vill-Mahuda, PO-Rukni, Dist-Purulia (WB)

HEALTH CARD OF EMPLOYEE

Registration No Date: 1710712020
Name Brod yaday Father/Husband Kity yadar
Department Crane aproctor Age 32 Sex M Blood Group Br (+ve)
Relevant Personal History No
Relevant Family HistoryNo
Prelisting Disease if any
Physical Examination:
General Health_ OK_
Weight 70Kg. Abdomen Normed
B.P. 13+185 PLUS 90 . CBG 118 .
AnemiaNo
Jaundice NO
(Blood) RH FACTOR Hb-14.8, Ne-60, LY-35, E0-04, MO-01, Ba-00, ESR-10, Te-7,700/00
Chest ECa-Hormal, & Xraj- Hormal
CNSU
Ear Both our Son Sitteety is morrisol
EYE Dist 6/6 Hb Hoar er Money
Investigation (if any)
Further Advice



Annexure-13



(http://www.technoglobalhospital.com)



(http://www.eaaikaal.in)



(http://www.technoglobalhospital.com)

f Share

₩ Tweet (https://twitter.com/share) + -





सर्व ना - साई अनिम-२०७

কোম্পানি থেকে প্রাইভেট কো পরিবর্তন উপলক্ষে সংবাদপরে বিজ্ঞাপন প্রকাশ विधिन्दमाण डिटनर्जेन, इस्टार्न निक्रियम, करणीरनर विधयन নন্ত্ৰক, কলকাতা সমীপে

কোম্পানি আইন, ২০১৩, কোম্পানি আইন ২০১৩ -এর ১৪ শরা असर

কোম্পানিজ (ইনকপোরেশন) রুলস, ২০১৪-এর রুল থ-ুসারে, বিষয়: মেসার্স দি ইভাস্ট্রিয়াল খ্যাসেস শিমিটেড, রেজিয়ার্ড অভিস: ১৫, গ্রেপাচজ আর্রিনিউ 800 00F -181999

এতকারা জনসাধারদের প্রতি বিজপ্তি জারি করা হয়েছ যে, পাবলিক কোম্পানি থেকে প্রাইভেট কোম বদলের উদ্দেশ্যে **৫ নভেম্বর, ২**০২০ তারিখে বিশো সাধানণ সভায় গৃহীত বিশেষ প্রস্তাব অনুযায়ী কোম্পানির সক্ষায়ারকের রদবদলের অনুমোদন প্রার্থনা করে কোম্পানিজ আর্ম ২০১৩-এর ১৪ ধারা অনুসারে কেন্দ্রীর সরকার-এর কাছে সংশ্লিষ্ট কোম্পানি একটি আবেদন कतार श्रेकार करवाछ।

কোম্পানির রেঞ্জিউর্ভ অমিসের প্রস্তাবিত স্থাটাস পরিবর্তনের ফলে প্রর্থ কুর হওয়ার সম্ভাবনা আছে এমন কোনও বাক্তি এই বিজ্ঞান্তি প্রকাশের তারিখ থেকে চোজো দিনের মধ্যে বিজিওনাল ভিরোটার, ইস্কান বিজিয়ন ২৩৪, ৫ জে দি বোস বোড, নিজাম পালেদ, যা এমএস ভ বিশ্বিং, এব ওল, কলকাতা-৭০০০২০-এন কাছে তার তাদের (জী পৃং) অর্থের ধরন এবং বিরোধিভার কারণ উল্লেখ করে একটি হলধনামা দারা সম্পিত আপত্তিসমূহ বেজিটার ভাষাবোগে পটাতে পারেন, তৎসহ নিচে বর্মির ঠিকানাতে অবস্থিত অফিসে, আবেদনকারী কোম্পানির কাছের একটি কপি পাঠাতে পারেন।

আবেদনকারী: দি ইভাষ্ট্রিয়াল গ্যাসেস লিমিটেভের

খাঃ তেত্তেন্দ্ৰ গগ

डिटर केंद्र ভারিখা ৩৬.১১.২০২০ DIN: 01417829 হান: কলকাতা হেছিস্কার্ড অফিসের সম্পূর্ণ কলকাতা ২৫, থংগশন্তন্দ্র আতিনিউ, কলকাতা- ৭০০ ০২৫

প্রকাশ্য বিজ্ঞপ্তি

এতদারা এই নোটিস জরি করা হচ্ছে যে, **পশ্চিমব**ছ রাজা থেকে ন্যাশনাল ক্যাপিটাল টেরিটরি অফ দিল্লি-তে বেজিটার্ড অফিস স্থানাথর নিশ্চিতক রখের জন্য লিম্মলাইন ট্রেডলিক্স এলএলপি ধারা রেভিস্টারের অফিসে নিমিটেড লায়াবিলিটি পাটনারশিপ আরি, ২০০৮-এর ১৩ ন ধাধাবীনে একটি নেটিস পাঠানো হবে।

বেজিটার্ড অফিস পশ্চিমবন্ধ রাজা খেকে নাশনা ব্যাপিটাল টেরিটরি অফ দিল্লি-তে স্থানাস্তরে উভ প্রপ্তাবে করেও স্বর্গ ভূপ হওয়ার সন্ধাবনা গাবলে মে কোনও ব্যক্তি এই বিজ্ঞপ্তি সংবাদপতে প্রকাশিত হওয়ার তারিখ থেকে ২১ দিনের মধ্যে তার (পুং স্ত্রী) সার্থের ধরন ও বিরোধিতার কারণ উল্লেখ করে রেজিট্রারের কাছে লিখিতভাবে জানান এবং এর একটি কণি শোই নিজলাইন ট্রেনিজ এলএগণি–এর নিচলিখিত রেজিস্টার্ড অফিসের ডিকানায় পেশ করতে হবে

রেজিস্টার্ড অফিসের ঠিকানা: ৩এ, আর কে চাটার্জি রোড, वस्तवारा-१०००४३।

লিম্বলাইন ট্রেডলিয় একএলপি-এর তর্যে স্বাঃ- বিজ্ঞাল মোদি বেভি কর্পোরেট

डातिष: ०७.३३,२०२० ছান: কলকাতা

মিলি নমিনি क्रिकांकेशन: 08413323

প্রকাশ্য বিজ্ঞপ্তি

এতদারা এই নোটিস জবি করা হচ্ছে হে, রাজা থেকে ন্যাশনাল ক্যাপিটলে টেনিটরি অফ দিল্লি-তে বেজিটার্ড অফিস স্থানাধন নিশ্চিতকরণের জন্য গ্রামার শপার্স এক্তরেশপি দাবা বেজিট্রারের অফিসে লিমিটেড লামাবিলটি পাটনাবশিপ আর্মী, ২০০৮-এব ১৩ ন ধারাধীনে একটি নোটিস পাঠানো হবে।

রেজিটার্ড অফিস পশ্চিমবন্ধ রাজা থেকে ন্যাশনার ক্যপিটাল টেনিটনি অফ দিন্নি-তে ছানান্তনের উচ্চ প্রস্তাবে কারও স্বর্থ গ্রন্থ হওয়ার সম্ভাবনা থাকলে বে কোনত ব্যক্তি এই বিজন্তি সংবাদপরে প্রকাশিত হওয়ার তারিখ খেকে ২১ দিনের মধ্যে তার (পুরু গ্রী) স্বার্থের ধরন ও বিরোধিতার কারণ উল্লেখ করে রেজিট্রারের কাছে

সংশোধনী

ভুলক্রম এই পত্রিকায় ০৬.১১.২০২০ তারিখে ঋষি ট্রেডিং কোম্পানি লিমিটেড (CIN: U01409WB1980PTC195437)-এর বিজ্ঞাপন কনসোলিডেটেড ফটো আভ ফিনভেন্ট লিমিটেড (CIN: U65993DL1996PLC081586)-4零 নামে প্রকাশিত হয়েছিল। দয়া করে বিজ্ঞাপনের নাম কনসোলিডেটেড ফটো আান্ড ফিনভেক্ট লিঃ-এর স্থানে ঋষি ট্রেডিং কোম্পানি লিমিটেড পড়তে হবে। অসুবিধার জন্য দৃঃখিত।

📤 বিএমডরু ইভাস্ট্রিজ লিমিটেড

রেজিস্টার্ড অফিস: ১১৯, পাক খ্রিট, হোরাইট হাউস, ৪র্থ তথা, কথাকারা– ৭০০ ০১৬ টেলি: ০৩৩-৪০০৭১৭০৪, ০৩৩২২২৬৮৮৮২ ইমেল: mfo@bmwil.co.m Website: www.bmwil.co.m CIN: L51109WB1981PLC034212

বিজ্ঞপ্তি

সিকিউরিটিজ অ্যান্ড এক্সচেঞ্চ বোর্ড অফ ইন্ডিয়া (লিক্টিং অবলিগেশনস আন্ড ভিসক্লোঞ্জার রিকায়ারমেন্টস) রেগুলেশনস ২০১৫ ('লিস্টিং রেগুলেশনস') রেগুলেশন ২৯ এবং সূচী-৩-এর অংশ ক অনুযায়ী বিজ্ঞপ্তি প্রদান করা হচ্ছে যে, কোম্পানির বিজীয় ত্রৈমাসিক এবং যাল্পাসিক সমাপ্ত ৩০শে সেপ্টেম্বর, ২০২০ সময়ের অপরীক্ষিত একক এবং একীকড व्यर्थिक सनासन दिर्दराना ७ वन्यागरानत जना কোম্পানির পরিচালন পর্যদের একটি সভা কোম্পানির রেজিস্টার্ভ অফিস: হোদ্বাইট হাউস, ১১৯, পার্ক স্ট্রিট, ৪র্থ তল, কলকাতা- ৭০০ ০১৬-তে জন্রবার, ১৩ **নভেম্ব্র,** ২০২০ তারিখে অনুষ্ঠিত হবে। বোর্ডের আদেশানসারে

বিএমডরু ইভাস্থিজ লিমিটেডের পক্ষে স্বাঃ বিক্রমে কাপর কোম্পানি সেয়েন্টারি তারিখ: ৬ নভেম্বর, ২০২০

স্থান: কলকাতা Acs No: A9812

NOTICE

My client Banibrata Sanyal died intestate on 23rd July 2016 leaving behind her sister Sovona Chakraborty as his sole legal heir in respect of one residential Flat being No C/4 on the 4th Floor of the Building known as "REVATI" having measurement of 1280 sq. ft. Super built up area more or less within Neelachal Abasan Co-operative Society Ltd situated at premises no 98, Rajdanga Gold Park, Kolkata-700107, Police Station Kasba, within the Kolkata Municipal Corporation, District-South 24 Parganas and the said Sovona Chakraborty died intestate on 10th August 2019 leaving behind her only daughter Mrs Sreeparna Chakraborty (Sengupta) as her sole legal heir. If any person has any claim of any nature in the said property please claim with documents within 15 days from this publication under my address otherwise it shall be deemed to have no claim of any nature the above said property.

Anirban Gope, Advocate 22, R.N.Mukherjee Road, 4th Floor Kolkata-700057

বিজ্ঞপ্তি

সকলকে জানানো যাইতেছে যে, আমরা ব্রাভো স্পঞ্জ আয়রন প্রাঃ লিঃ, পরিবেশ বন ও জলবায়ু পরিবর্তন মন্ত্রণালয়,

শ্ৰম এখনলপি-এর নিয়লিখিত রেজিয়ার্ড অফিসের কানায় পেশ করতে হবে:

বেজিস্টার্ড অফিসের ঠিকানা: ৩এ, আর কে চ্যাটার্জি রোড, CROOR-INTERES

> গ্রামার শপার্স এলএলপি-এর তরফে ঝা:- কোভিড দুগর্জি (বৃত্তি কর্পোরেট ডিপি নমিনি)

জারিখ: ০৬.১১,২০২০ স্থান: কলকাঠা

डियाइँका: 03570652

প্রকাশ্য বিজ্ঞপ্তি

এতদারা এই নেটিস জারি করা হচ্ছে যে, প**ল্যিবরা** বাজা থেকে ন্যাশনাল ক্যাপিটাল টেনিটরি অফ মিল্লি-তে বেজিয়ার্ড অফিস স্থানাপ্তর নিশ্চিতকরণের জনা গোদ্ধশ্বিদ্ধ শপার্স এলএলপি বারা রেজিট্টারের অভিসে লিনিটেড দামাবিলিটি পাটনারশিল আর্ন্টি, ২০০৮–৫র ১৫ না ধারাধীনে একটি নোটিস পাঠানো হবে

রেজিয়ার্ভ অফিস পশ্চিমবন্ধ রাজ্য মেকে না ক্যাপিটাধ টেরিটেরি অফ দিল্লি-তে স্থানাপ্ররের উক্ত প্ৰস্থাবে কাৰ্ডে স্বৰ্থ ক্ষম হওয়াৰ সম্ভাবনা থাকলে যে ানত ব্যক্তি এই বিজয়ি সংবাদপরে প্রকাশিত হওয়া তারিখ থেকে ২১ দিনের মধ্যে তার (পুং খ্রী) ছর্মের ध्यम क निरवाविकात कारण डिएएच करन रवक्तिपालन কাছে লিখিতভাবে জানান এবং এর একটি কলি অবদাই গোড়িমখ শূপাস এলএলপি–এর নিমলিখিত রেজিস্টার্ভ মফিসের টিকানাম পেশ ভরতে চবে

বেজিস্টার্ভ অফিসের ঠিকানা: ৩এ, আর কে ডাটার্জি রোড

বোচ্ছদ্মিথ শপার্স এলএনপি-এর তর্হয় স্থা:- প্ৰন কমাৰ অন্তলিয়া বেডি কর্পোরেট

ভারিখ: ০৬,১১,২০২০ ছান: কলকাতা

ভিপি নমিনি) ডিআইএন: 02912037

প্রকাশ্য বিজ্ঞপ্তি [লিমিটেড লাইবেলিটি পার্টনারশিপ কলস ২০১৭, রুল ১৭ (৪) অনুযায়ী)

এলএলপি-এর রেজিন্টার্ড অফিস এক রাজা থেকে অন্য রাজ্যে স্থানাস্থরের উদ্দেশ্যে সংবাদপত্তে বিজ্ঞাপন প্রকাশ

সম্পর্কিত: প্রয়ান্তারকূল জিলার এলএলপি (I.L. PIN:AAT-8257) যার বেঞ্জিয়ার অসিস প্রয়াত্ত বেদশুকাশ কান্দোই, ঘর নং ৫৫, ভূপেন্ত বোস আভিনিউ, ফ্রাট ২ বি, ৩য় তল, কলকাতা-৭০০ ০০৪ জনসাধারণকে এতন্দারা বিজপ্তি প্রদান করা হচ্ছে মে, এল এল পি লিমিটেড লাইবেলিটি পার্টনারশিপ আর্ত্ত ২০০৮ সেকশন ১৩ (৩) অনুযায়ী ভাদের রেজিয়ার্ড অফিস 'পশ্চিমৰক্ষ রাজ্য' থেকে 'আসাম রাজ্যে' ছানাপ্তরের জন্য রেজিস্টার-এর কাছে একটি আবেদন জমা করবার প্রস্তাব করেছেন।

এলএলপি-এর প্রাবিত পরিবর্তনের ফলে কর্ড জুর্য হওয়ার সম্ভাবনা আছে এখন কোনও বাজি এই বিজ্ঞান্তি হওয়ার ২১ (একুশ) দিনের মধ্যে রেজিষ্ট্রার অফ কোম্পানিজ, নিজাম প্যালেস ২য় এম এস ও বিভিন্ন, তয় তল, ২৩৪/৪, এ জে সি বোস বোড, কলকাতা-৭০০ ০২০-এর কাছে তাদের স্থাৰ্যের ধরন এবং বিরোধিতা উল্লেখ করে হলফনাম সহ সমর্থিত আপত্তিসমূহ পাঠাতে পারেন তংসহ নীতে বৰ্ণিত ঠিকানাতে এলএলপি-এর অফিসে পাঠাতে পারেন ৷

ध्याडातक्ल डिनात जनवनि

প্রমন্তে বেদপ্রকাশ কাম্পেট, ঘর না: ৩৫ ভপেন্র বোস व्याविभिन्ने, इसांग्रं २ वि. ७३ वल,

কলকাতা-৭০০ ০০৪ ওয়াভারকুল ডিলার এল এল পি-এর পত্নে

তারিখ: ০৬.১১.২০২০ ত্বান: কলকাডা

প্রদীপকুমার আগরওয়াল মনোনীত অংশীলার DPIN: 01461392

প্রকাশ্য বিজ্ঞপ্তি [লিমিটেড লাইবেলিটি পার্টনারশিপ রুলস २०১৭, क्रन ১৭ (८) अनुगाग्री।

এলএলপি-এর বেফিউটে অফিস এক বাজা থোকে অন বাজে স্থানাপ্তরের উদ্দেশ্যে সংবাদপত্রে বিজ্ঞাপন প্রকাশ সম্পর্কিত: নাইটেছল ভিনক্তম এলএলপি

(LLPIN:AAT-8267) খার রেঞ্জিরার্ড অফিস প্রমন্তে বেদপ্রকাশ কান্দোই, যর নং ৫৫, ডপেন্ড বোস व्याविनिके, क्षांति श्री, हम इस, कलकाडा-१०० ००८ জনসাধারণকে এতদ্বারা বিজপ্তি প্রদান করা হচ্ছে মে, এল এল পি লিমিটেড লাইবেলিটি পার্টনারশিপ আর্থী ২০০৮ সেকশন ১৩ (৩) অনুযায়ী তালের রেচিটার্ড অবিদ 'পশ্চিমবঙ্গ রাজ্য' থেকে 'আসাম রাজ্যে 'ভানাচরের জন্য বেজিট্টার-এর কাছে একটি আবেদন জয়া করবার প্রস্তাব করেছেন।

এলএলপি-এর প্রস্তাবিত পরিবর্তনের ফলে স্কর্থ কুল হওয়ার সন্ধারনা আছে এমন কোনও বাভি এই বিজ্ঞপ্তি প্রকাশিত হওয়ার ২১ (একুশ) দিনের মধ্যে বেজিস্ত্রার অফ কোম্পানিজ নিজাম প্যালেস, ২র এম গ্রম ও বিভিঃ, ৩র তল, ২৩৪/৪, এ জে মি বোস রোভ কলকাতা-৭০০ ০২০-এর কাছে তাদের অর্থের ধরন এবং বিরেধিতা উল্লেখ করে হলফনামা সহ সমর্থিত আপত্তিসমূহ পাঠাতে পারেন তৎসহ নীচে বণিত ত্রিকানাতে এলএলপি-এর অফিসে পাঠাতে পারেন।

ভারত সরকার হইতে পঃ বঃ রাজ্যের পুরুলিয়া জেলার গ্রাম-মহদা, পোঃ রুকনি, সম্প্রসারণ করিয়া বাৎসরিক পেলেট প্লান্ট মারফত গ্রাইনডিং किमिनिটि সহযোগে (२ x ०.७৫ MTPA), স্পঞ্জ আয়রন প্লান্ট (১ x ৩৫০ TPD ক্লিন), ইন্ডাকসন ফারনেসের (৩ x ২৫ টি), ক্যাপাসিটি রিভিশন অনুমোদিত ৬০০ TPD হইতে ১০০০ TPD রোলিং মিল সঙ্গে ৭ MW ক্ষমতা সম্পন্ন ক্যাপটিভ পাওয়ার প্লান্ট (WHRB ভিত্তিক ইউটিলাইজিং ওয়েস্ট হিট হইতে প্রস্তাবিত স্পপ্ত প্লান্ট) এবং প্রোডিউসার গ্যাস প্লান্ট (১২ x ৪০০০ Nm3/hr) उँ९ शामन आन्छे ज्ञालात অনুমতি পাইয়াছি, মেমো নং. F. No. J-11011/758 / 2009-IA.II(I) তাং ০৫.১১.২০২০ আমরা সকলের সহযোগিতা কামনা করিতেছি।

ব্রাভো স্পঞ্জ আয়রন প্রাঃ লিঃ Sd/-

কৰ্ম নং - আই এন সি - ২৬ কোম্পানিজ (ইনকর্পোরেশন) রুল্যন, ২০১৪ -এর রুল্ ०० धनुगारी

এক রাজ্য খেকে অন্য বাজে কোম্পানির বেজিটার্ড অফি বিবর্তন উপদক্ষে সংবাদপত্রে বিজ্ঞাপন প্রকাশ রিঞ্জিনাল ভিবের্টন, ইস্টার্ন বিজিয়ন, কলকাতা সমীপে

কোম্পানি আইন, ২০১৩-এর ১৩ ধারার (৪) উপধার অনুমারে এবং কোম্পানিছ (ইনকপোরেশন) কলস্ २०18-६र कम ६०-६र माद-कम (०) विनशसर क्रम

হোক সম্পর্কে: ইমেজ জিয়েশন শাড়িস প্রাইতেট লিমিটেড (CIN: U17122WB2008PTC123209), বেজিটার্ড অফিস: ৪/১৩নি, হরপ্রসান দে দেন, ২য় তল, চাক াট্টির নিবটে, কলকাডা- ৭০০ ০০৭, পশ্চিমবয়

..অবেদনতারী এরজ্বারা অনসাধারণের হাতি বিজন্তি জারি করা হচ্ছে 'পশ্চিমবন্ধ রাজ্য' থেকে 'গুজুরাট রাজ্যে' রেভিডিও দে স্থানাপ্ররে উজেশে ৬ অক্টোবর, ২০২০ ভবিখে অনুষ্ঠিত বিশেষ সাধারণ সভায় গৃহীত বিশেষ প্রভাব অনুষায়ী বৈ স্কাশ্যাবকের ব্যবস্থাকে অন্মোদন প্রার্থনা করে দরকার-এর কাড়ে সার্চিট্ট কোম্পানি একটি আবেদন করার

আম্পানিত বেজিবার্ত্ত অভিমেন প্রস্কৃতিক পরিবর্তনের য স্বৰ্থ গুৰু হ'ভয়াৰ সম্বাৰনা আছে এমন কোনভ ব্যক্তি এই বিমাস্তি প্রকাশের তারিখ থেকে ১৪ (চেন্ডেমা) দিনের মধ্যে এমসিএ-২১ পোটাল (www.mca.gov.in) - এ ইন্তেইর কম্মেটন ফর্ম পুরুষ করে অথবা রেজিয়াও ভাকয়েছে বিভিন্নল বিবেটৰ, ইট্ৰাৰ্ম বিভিন্ন, ২৩৪৪, আচাৰ্য চলদীপ क्ष त्यात्र द्याव, निवास शादमत, ११ क्षम क्षम क विश्विद, अर्थ তম, কলকাতা-৭০০ ০২০ -এর কাছে ডার/ডানের (স্থা)পুর) অর্থের ধরন এবং বিরোধিতার কারণ উল্লেখ করে একটি লফনামা থারা সমর্থিত আপভিসমূহ পাটাতে পারেন, তৎসং ওপতে বৰ্ণিত টিকানাড়ে অবস্থিত অফিসে, আবেদনকারী কোম্পানির কাছেও একটি কলি পাঠাতে পারেন। যার বিকানা- বেলিটার অফিল- ৯.১/১বি ভারতমাদ দে কেন্দ্র ১য তল, ঢাকা পট্টির নিকটে, কলকাতা- ৭০০ ০০৭, পশ্চিমবঙ্গ

बार्यमनकारी ইমেজ ত্রিয়েশন শাড়িস প্রাইতেট লিমিটেড-এর পঞ্চে খাঃ মনোজ কুমার তৈ সারিশ: ০৭.১১ ২০২৪ ভিষেত্ৰৰ

DIN: 01834584

कर्म नः - बाहे अनिम-३৫এ কেন্দ্রীয় সরকার, রিজিওনাল ডিরেক্টর, ইস্টার্ন রিজিয়ন, কপোরেট বিবয়ক মছক, কলকাতা সমীপে কোম্পানি

আইন, ২০১৬, কোম্পানি আইন ২০১৩-এর ১৪ ধারা 350

কোম্পানিজ (ইনকপোরেশন) কলস, ২০১৪-এর রুজ ৪১ অনুসারে

বিষয়: নটনাজ টেকনোসফট লিমিটেড, রেজিন্টার্ড অফিস: ৫ এফ, এভারেস্ট, ৪৬/সি, চৌরন্ধি রোড, কলকাতা- ৭০০ ০৭১, পশ্চিমবন্ন

এতভারা জনসাধারণের প্রতি বিজস্তি জারি করা হচ্ছে যে, পাবলিক কোম্পানি থেকে প্রাইভেট কোম্পানিতে বদলের উদ্দেশ্যে ৩০ অক্টোবর, ২০২০ তারিখে বিশেষ সাধারণ সভায় গৃহীত বিশেষ প্রস্তাব অনুযায়ী কোম্পানির সক্ষমারকের রদবদলের অনুমোদন প্রার্থনা করে কোম্পানিজ আর্ত্তী ২০১৩-এর ১৪ ধারা অনুসারে কেন্দ্রীয় সরকার-এর কাছে সংশ্লিষ্ট কোম্পানি একটি আবেদন করার প্রস্তাব করেছে।

কোম্পানির রেজিয়ার্ভ অফিসের গ্রন্থাবিত স্থাটাস পরিবর্তনের ফলে কর্ম কুর হওয়ার সম্ভাবনা আছে এমন কোনও ব্যক্তি এই বিজপ্তি প্রকাশের তারিখ থেকে চোজো দিনের মধ্যে রিজিওনাল ভিরেস্তর, ইস্টার্ন রিজ্যান, ২৩৪, এ জে সি বোস রোড, নিজাম প্যালেস, II এমএস ও বিভিং, ৪৭ তল, কলকাতা-৭০০০২০-এর তাছে তার/ভাদের (খ্রী/পুং) স্বর্থের ধরন এবং বিরোধিতার কারণ উল্লেখ করে একটি হলফনামা দ্বারা সমর্থিত আপত্তিসমূহ রেঞ্জিপ্টার্ড ভাকবোগে পাঠাতে পারেন, তৎসহ নিচে বর্ণিত ট্রিকানাতে অবস্থিত অফিসে আবেদনকারী কোম্পানির কাছের একটি কপি পাঠাতে

প্রথক্তে বেবপ্রকাশ কান্দেহি, ধর নং ৫৫ জুপেন্দ্র বোস আতিনিউ, ফ্রাট ২বি, ৩য় তল, কলকাতা–৭০০ ০০৪ নাইটেঙ্গল ভিনকম এল এল পি–এর পক্তে স্বাহ

ইশান্ত আগরওয়াল তারিখ: ০৬.১১.২০২০ মনোনীত অংশীদার স্থান: বলবাতা DPIN: 03482066 পানেন।
রেজিন্টার্ড অভিসের ফ্রিকানা: ৫ এফ, এভারেস্ট, ৪৬/সি,
টোরজি রোড, কলকাজা- ৭০০ ০৭১, পশ্চিমবাদ
আবেন্ধনরারী: নটরাজ টেকনোসদট লিমিটেড-এর
পক্ষে
বাঃ অনিল কুমার আবরওদ্বাল
তারিখ: ০৭.১১.২০২০ ম্যানেজিং ভিরেক্টর
হান: কলকাজা

Open A Zero Bal Account Online

miner Ketak 811

Blazing Fast VPN

NordVPf

(E)

Online Cake Delivery

Prosters Wines

We Brase Spongs ton Pvt. Ltd.
social that is inform engine frame,
social that is inform engine frame,
share obtained permassion (EQ) for
sitting appropriate organism of the
Stod Port by institution of Polist
Plent with General practicy (20) 85
MTPAL, Soongs ton Plant (1230)
TPD (Kin), Induction Furnaces
(30.25T), Capacity revision from
approved 600. Plant (1240)
Political induction furnaces
(30.25T), Capacity revision from
approved 600. Plant (1240)
Rolling and the proposed from
the proposed spongs plant (1240)
Natificity located at Vitt. Mahuda.
Political waste Pariet (1240)
Natificity located at Vitt. Mahuda.
Political Capacity (1240)
Natificity (1240)
Natificity

1,2020. For Brzeo Sponge fron Pvt. Lld. 5:0-

PSL LIMITED

EDICE ... Regulations, 201 meeting of Bound is subvehilled to in all Reception 20 In columbia to los teles de projecte per se con-cer y mour l'en avenue de la considera de la talle en resour les arrectes l'inscription à sel talle en resour les arrectes l'inscription per l'acceptant de la considera de la possibilité de la company de la description de la considera de la proposition de la considera de la proposition de la considera de del la considera del la considera de la consid

common is the maked or the series of the employ in dates account agreement and as the employ of the filled darps report the colonic of the Colonic Me worse in ages in our colonic or the Colonic Me worse in ages in our

3. L. Morison (India) Limited ** J. L. MODTSON (IRONIA) LITTED (1995)

Regi., O'Rice: State Oncot' 23, Str. N. Babbaja Risal; Kalaba – 739 901, 224 8116, Cleast State Oncot' 23, Str. N. Babbaja Risal; Kalaba 1996 91, 224 8116, Cleast Patenting Bloombarrer, Wholshic wavelphorier-contempor report of Control of Contro

Parametric file providence of Section 19 of the Cumparise Art. 2013 and filed 20 of the Comparise Art. 2014 and filed 20 of the Art. 2014 and filed 20 of the Comparise Art. 2014 and filed 20 of the Art. 2014 and filed 20 of th

Particulars

Total income from Operations
 Net Profit/Loss) for the period (Bold Tax, Exceptional and/or Extraordinal Control Contr

Ins., Exceptional and/or Extraordinary lemns)

3 Net Profit/(Loss) for the period before tax (after Exceptional and/or Extraordisary lemns)

4 Net Profit/(Loss) for the period after tax (after Exceptional and/or Extraordinary lemns)

5 Total Comprehensive Income for the period (Comprehensive Income for the period (after tax) and Other Comprehensive Income (after tax)

6 Equity Share Capital Revaluation Roserves (excluding Revaluation Roserves Sheet of the previous year Barriers Sheet of the previous year Continuing and discontinued operations) (in ₹)

Diluted

Place: Mombel Date: 5" November, 2023

0

Sond Naik

Company Secretary & Compliance Officer

Date: 5 November 2025

TATA

TATA STEEL LIMITED Fort, Mumbel - 400 001, Tel.: +91 22 6655 526 (Statisteel.com Website: 29: L27100MH1907PLCI

NOTICE

A meeting of the Board of Directors of Tata Steel Limited (the 'Company') will be held on Friday, November 13, 2020, infer alls, to consider and take on record the sudfield Standelone and unsuited Consolidated financiel results of the Company for the quarter and half year ended September 30, 2020.

The financial results will be made available on the website of the Company at www.tatastied.com as well as on the website of the National Stock Exchange of India Limited at www.naeindia.com and BSE Limited at www.besindia.com.

Tato Steel Limited

SdiParvatheesam Kanchinadhan
November 8, 2020
Muntasi
Chief Logal Officer (Corporate & Core

TATA STEEL

HOME CREDIT Finance Private Limited
On collaboration Finance Collaboration Control Collaboration Finance Colla

		Haff year unded	maif year ended	Year areled	
I. Particulars	Particulars	39 Suptorsive 2429	55 Septumber 2919	31 Sterck 2425	
	(Unpudited)	(Unasotted)	(Audited)		
	Trial impress from operations	130,341.49	140,413.00	215,514.09	
2	Not professor; for the period during too, exceptional and/or experience; special	140,506.137	11,812,42	11,194.96	
3.	tel Problems) for the period seture car pates exempleans anothe expansionary more)	(49.695.21)	11,812.42	71,731.00	
ě.	tial Problimary for the period after too Taller exceptions around polyacidinary dome;	073850	229133	(4,614,42)	
	Total comprehensive viscons for the year (Comprehens enroll count has the year (chief tan) and other comprehensive beautiful (chief tan)). Find its backy interesciptor (chief tan).	(37.406.P1) 87.656.35	2 186 63 87,666.32	(4.735.76) 97,858.33	
i		115.027.52	156,740.57	191,744,22	
į.	Net worth	271,895,84	256,390.09	146,412.55	
į.	Dieterany and	\$42,843.53	\$31,58E.11	818.137.39	
16	Constanting remember professions shares				
11	Date wanty rate	2.86	110	:2.4	
12	Earnings per share (at No. 10): each? See: Disabled	(2.63) (2.63)		(0.4% (0.4%	
13	Capital redemption reserver traffer mole (i)	Assisted		Approvable	
11	Debetfure redemptus reserve coder sate &	Applicable	Applicable	Applicable	
11	Debt across coverage ratio gratia norm 10	Approach	Applicable	- Applicable	
11	Interest benice coverage tiefe: Index sore SI	Approprie		Approxim	

in manatemer and Rappillon SV of the Goodelist SVC Collegist Institute.
 Glospellon and Collections Projections Methods Service Collegist Institute Collegist Ins

and the window of the Company (were transmission on the Regulator 10)4 of the SER if the Serve or sent-decase (a). The (b) is go of the Regulator 10)4 of the SER if Coulogation and Coulosies Regulatorists. Regulators. (2016, telephisson decision region in the SER is the SER is a sent of the SER is the SER i

For and up banal of the Beard of Corectors

CONSOLIDATED

49,511

49.511

47,876

48,580

10.28

(2.491)

(2.491)

(4.091)

(0.88) (0.88)

14,414

14,414

14,189

46,580

3.05

(4,054)

(4,054)

(5,654)

(5,513) 46,580

(1.21)

The Shipping Corporation Of India Ltd.

46,496

44,861

13.338

13,338

13,113

14,111

2.82

Shipping Mouse, 245, Madam Came Road, Mumbul-400 001, Website www. Twitter: Wahippingsarp, CIN No. 1,63036WH1950503030303 STATEMENT OF UNAUDITED FINANCIAL RESULTS FOR THE QUARTER ENDED 30.09.2020



MRVL

THE MANDHANA RETAIL VENTURES LIMITED

CIN: LS2s90MH2011PLC213349 red Office: Plot No. E-132, MIDC Tarapur Industrial Area, Boisar, Dist. Palgha Corporate Office: 014, Peninsula Centre, Dr. S.S.Rac Road, Parel, Mumbai - 4000 Tel No:- 022 43539790 • Email:- cs@tmrvl.com • Website: www.mrvlindia.com

Extract of Unaudited Financial Results Quarter ended 30th June, 2020

(Rs. In Lakh, except earnings per share)						
	Particulars		Year Ended			
Sr. No.		30.06.2020	31.03.2020	30.06.2019	31.03.2020	
140.		Unaudited	Audited	Unaudited	Audited	
1	Total Income from Operations	171.50	2,043.04	4,627.46	16,073.17	
2	Net Profit / (Loss) for the period (before tax, Exceptional and/or Extraordinary items)	(68.04)	(1,634.56) 23.54		(2,193.91)	
75	Net Profit / (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	(68.04)	(1,634.56) 23.54		(2,193.91)	
4	Net Profit / (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	(68.04)	(2,564.59)	33.87	(3,105.02)	
5	Total Comprehensive Income for the period [Comprising Profit / (Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	(10.47)	22.52 2.70		22.52	
6	Equity Share Capital	2208.26	2208.26	2208.26	2208.26	
7	Other Equity		1		1,393.10	
8	Earnings Per Share (of Rs. 10/- each) (for continuing and discontinued operations) - 1. Basic 2. Diluted	(0.31) (0.31)	(11.51) (11.61)	0.15 0.15	(14.06) (14.06)	

The above financial results have been reviewed by the Audit Committee and approved by the Board of Directors at their respective

The above financial results have over reserved or or-meeting below of "November," or "November," or "November," or "November," or "November, and or "Regulation 33 of the The above is an extract of the detailed former of Unaudited Financial Results filed with the Slock Exchanges under Regulation 33 of the SEBE (Listing Displacions & Displace Requirements) Regulations, 2015. The full format of the Unaudited Financial Results are available on the website of the SES Limited at their weeksite <u>weeksiteriodis.com</u> and National Stock Exchange of India United at their website weeksiteriodis.com and on the website of the Company & years molification.

By Order of the Board of Directors FOR THE MANDHANA RETAIL VENTURES LIMITED

PRIVAVRAT P. MANDHANA EXECUTIVE DIRECTOR DIN: 02446722

ARTEMIS

ARTEMIS MEDICARE SERVICES LIMITED

Plot No.14, Sector 20, Dwarka, South West Delhi, Delhi- 110075 Ph.: +91-124-4511111; Fax: +91-124-4588899; Email: info@artemishospitals.com; Web site: www.artemishospitals.com

CIN: L85110DL2004PLC126414

No.	EXTRACT OF CONSOLIDATED FINANCIAL RESULTS FOR Particulars	Guarter ended		, Half Year ended		Year ended	
-		30-Sep-20	30-Sep-19	30-Sep-20	30-Sep-19	31-Mw-2020	
		(Lineudited)	(befibusn'))	(Ununcited)	(Unaudited)	(Audited)	
1.	Total income from Operations	9.232.94	14,733.98	15,505.76	28,304.74	56,501.70	
2	Net Profe/(Loss) for the period (before Tax, Exceptional and/or Extraordinary flores)	(34.74)	512.72	(1,796.25)	1,578.49	3,062.91	
8.	Net Profit (Lais) for the period before tex (after Exceptional and/or Extraordinary Rems)	(34,74)	912.72	(1,796.25)	1,578.49	3,002.91	
4.	Net Proff/(Lass) for the period after tax (after Exceptional aed/or Extraordinary illems)	2.81	538.20	(1,174.39)	964.80	1,946.01	
5.	Total Comprehensive Income for the period [comprehensive Income (after tax)] Profit for the period (after tax) and Other Comprehensive Income (after tax)]	27 38	545 43	(1,157.66)	970.91	1,944.33	
6.	Paid-up Equity Share Capital (Equity Shares of Ro. 10'-cach)	1,323.77	1,323.77	1,323.77	1,323.77	1,323.77	
7.	Reserves (excluding Revaluation Reserve)		-			23,401.98	
B.	Earning par Equity Share (Face value Rs. 10'-each) (a) Basic (b) Datetel (**Yet annualsed)	0.11*	4.18* 4.18*	-8.73* -6.73*	7.45* 7.45*	14.95 14.95	

\$0-5ap-20 3U-Sep-19 3U-Sep-20 3U-Sep-19 (Unaudited) (Unaudited) (Unaudited) (Unaudited) 31-Mar-2020 56,309.09 14,725.47 15.255.97 28,296.23 Total Income from Operations Net Profit/(Loss) for the period before Tax after Excepted 3,196.54 1.634.97 8.99 954.34 (1.723.00) 2,042.83 35.41 584.75 (1,119.53) 1.026.24 3. Net Profit/6.oss) for the period after liss

The above is an extract of the detailed format of unaudited financial results filed with the Stock exchanges under Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of the financial results (Consolidated/Standatione) are available on the Stock Exchange websites. (National Stock Exchange of India Limited (www.nseindia.com) & 85E Limited (www.bseindia.com) and on the company's website (www.artemishospitals.com).

The above results for the quarter and half year ended were reviewed by the Audit Committee meeting held on November 05, 2020 and approved by the Board of Directors meeting held on November 05, 2020. The Statutory Auditors have expressed an unmodified opinion on the aforesaid results.

The above financial results have been prepared in accordance with the companies (Indian Accounting Standards) Rules, 2015 (Ind AS), as prescribed under Saction 133 of the Companies Act 2013, and the other recognised accounting practices and policies to the existing priciable.

For and on behalf of the Board of Directors of Artemis Medicare Services Limited

Colkata

Place : New Delhi Dated : November 5th, 2020

06° November, 2020

Onkar S. Kanwar Chairman & Director

Difference of the above is an extract of the detailed format of Quarterly/Hell yearly Financial Results filled with Stock Exchanges under Regulation 33 of SCDI (Listing and Other Discosure Requirements) Regulations, 2015. The Full format of the Quarterry/Hell yearly Financial Results are available on the Stock Exchange with format of the Quarterry/Hell yearly Financial Results are available on the Stock Exchange with Indian Accounting Standardown Computing weeksters were weak-biglioflacement of Standardown Accounting Standards (Ind-AS).

Standardown Results have been reviewed by the Audit Committee and approved by the Board of Directors at their respective meetings held on 6" November 2020.

For The Shipning Corporation of India 1 td. For The Shipping Corporation of India Ltd Chairperson & Managing Director & Director (Finance) Addl.charge Place: Mumbal Date: 06,11,2020 I WHEN THE LOUIS WHILE WHILE TRANSPORTING GOODS, TRANSFORMING LIVES.

financial ep .in

