COMPLIANCE OF ENVIRONMENTAL CLEARANCE OF BRAHMAPUTRA METALLICS LIMITED

The Environmental Clearance was granted for the proposed plant by the Ministry of Environment & Forest, New Delhi vide F. No. J-11011/285/2008-IA-II (I) dated 29.03.2011:

Sl	CONDITION	COMPLIANCE/ STATUS (01.10.2020 to 31.03.2021)
A.	**SPECIFIC CONDITIONS:**	
i)	Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Government shall be ensured and regular reports submitted to the Ministry's Regional Office at Bhubaneswar.	Complied. Conditions as specified in previous Environmental Clearance from MOEF and NOC from JSPCB complied and reports submitted regularly every six months to the concerned authorities.
ii)	On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), gas cleaning plant, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm^3 by installing energy efficient technology.	Complied. Presently only Induction Furnace & Billets caster unit installed apart from the existing Sponge Iron and CPP units as per previous EC. Green belt, Plantation, Water sprinkled through water tanker and bag filters installed to control fugitive emission and reduce PM levels in AAQ. On-line stack monitoring system not applicable for Induction furnace unit. System installed for continuous monitoring of stacks of other existing units. Online monitoring system for existing Sponge Iron and CPP unit installed and data transferred to JSPCB & CPCB. Fume extraction system with Bag filters installed in the induction furnace unit to meet the prescribed standards.
iii)	Electrostatic precipitator (ESP) shall be provided to sponge iron plant, WHRB, CFBC, and dust catcher to blast furnace to control SPM levels within 50 mg/Nm3. Fume extraction system shall be provided to induction furnaces to control the emissions within the prescribed standards.	Complied. ESP provided to sponge iron plant, WHRB & CFBC. Fume extraction system with Bag filters installed in the induction furnace unit to meet the prescribed standards. All other APCS installed with the concerned units. Copy of latest monitoring reports enclosed as **Annexure - 1**
iv)	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Complied. Latest National Ambient Air Quality Standards issued by the Ministry followed. Water sprinkled through tanker to control fugitive emission. Pucca road made partly. Roads being made by filling mooram and compacted. Water Tanker has been deployed for suppression of dust. Copy of latest monitoring reports enclosed as **Annexure - 1**

For Brahmaputra Metallics Limited

Director

v)	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed. Standards for the sponge iron plant issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 shall be followed.	The emissions from the plant controlled within the latest permissible limits. Six monthly reports being submitted to the concerned authorities as per conditions of EC. Fugitive emission from various sources controlled within norms. Standards for the Sponge Iron plant being followed. Latest monitoring reports of the same attached as **Annexure – 1**
vi)	The waste generated out of flue gases from the coke oven plant shall be used for WHRB power plant.	Coke oven & related units dropped from project. Coke oven - WHRB power plant not installed. It has been dropped as per current revalidation of EC vide F. No. J-11011/285/2008-IA-II (I), dated 15.06.2018. copy already submitted with previous compliance.
vii)	Make up water requirement shall not exceed 40,965 KLD. Necessary permission from the concerned authorities shall be obtained for drawl of water. The water consumption shall not exceed as per the standard prescribed for the steel plants. Efforts shall further be made to use maximum water from the rain water harvesting sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly. All the effluent shall be treated and used for ash handling, dust suppression and green belt development. No effluent shall be discharged and 'zero' discharge shall be adopted. Sanitary sewage should be treated in septic tank followed by soak pit.	Being complied. Water consumption will be maintained within norms of iron & steel. Presently water requirement is 2405 KLD for the existing sponge iron, power and induction furnace-billet caster units and other uses. Water kept in closed circuit. Only make up water required for loses and evaporation. Zero effluent discharge being followed. Domestic wastewater routed to septic tank-soak pit and other wastewater being reused for dust suppression and horticulture.
viii	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rainwater harvesting plan has been developed and implemented for the plant. 2 RWH pits as approved by Ground Water Directorate, Govt. of Jharkhand implemented within premises. Efforts being made to make use of rain water harvested to the maximum extent. Improvement of RWH plan with 2 nos. collection pond and additional recharge pits is designed but progress of implementation stalled due to Covid-19 situation, will be implemented within a year.
ix)	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Complied. All monitoring as prescribed being followed. At no time the emission level will be allowed to go beyond the prescribed standards. No effluent discharge from the plant.

For Brahmaputra Metallics Limited

Director

x)	The char from DRI plant shall be utilized in FBC boiler of power plant and no char shall be used for briquette making or disposed off anywhere else. FBC boiler shall be installed simultaneously along with the DRI plant to ensure full utilization of char from the beginning. All the blast furnace (BF) slag shall be provided to the cement manufacturers. Scrap shall be used in steel melting shop (SMS) and SMS slag and kiln accretions shall be properly utilized. All the other solid waste broken refractory be properly disposed off in environment-friendly manner.	Complied. Dolochar from DRI plant is being utilized in AFBC boiler of power plant and no char is used for briquette making or disposed off anywhere else. Fly ash is being used for brick/block making in-house and also supplied to outside parties for filling in road making. Induction furnace slag being used for metal recovery and scrap recycled in induction furnace itself. Details of solid waste and its disposal submitted regularly to JSPCB. Non metal part of slag is supplied to outside parties for filling in road making. No other solid waste generation
xi)	In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant and coke sorting plant of coke oven plant. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.	Complied. Fume extraction system with Bag filters installed in the induction furnace unit to meet the prescribed standards. As per current revalidation of EC vide F. No. J-11011/285/2008-IA-II(I), dated 15.06.2018 only additional units to be installed are – Bar Mill & AFBC Boiler of 5 MW capacity and will be installed with relevant APCS along with construction – erection of the units, when done.
xii)	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 & 2009.	Only induction furnace unit installed. No fly ash generation in induction furnace unit. Complied for the existing unit. Fly ash generated from our captive power plant which is being disposed for Road construction work through the contractor. And also used in Brick making in house. Copy of Fly ash balance sheet as **Annexure – 2.**
xiii	Vehicular pollution due to transportation of raw material and finished products shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	All the raw materials and products including waste are transported in covered trucks and closed containers respectively and will not be overloaded. Pollution Under Control (PUC) certificate for Vehicular emissions regularly monitored for all vehicles including trucks entering the premises. Water Sprinkling done at loading and unloading point to control fugitive emissions.
xiv	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coalmines shall be created within the Unit.	Moorum road with Boulder soling and stone chips lining has been completed in the plant area. Road are regularly cleaned and water sprinkled. Plantation done and continued in 3-tier avenue plantation using native species. Plantation continued to cover maximum open area.
xv)	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste should be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Solid waste generated from our induction furnace is being used in our metal recovery units. Details of solid waste and its disposal submitted regularly to JSPCB. Directions of solid waste handling will be complied for all the units.
xvi	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Will be complied with installation of other units. For induction furnace unit to reduce waste – best

For Brahmaputra Metallics Limited

Director

		quality raw materials i.e. sponge iron, pig iron and Ferro alloy used. Metal recovered from slag is reused.
xvii	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.	Risk assessment and Disaster Management Plan (Onsite Emergency plan & Off Emergency plan) approved by Inspectorate of Factories already submitted
xviii	As proposed, green belt shall be developed in 33 % of plant area as per the CPCB guidelines in consultation with the DFO.	Plantation of local species trees over 33% started simultaneously with construction activity. Plantation done and continued using native species.
xix)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants should be implemented.	Facilities/equipment necessary for compliance of CREP of steel plant have been included in the project. All provisions being complied
xx)	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 11th February, 2010 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	All the commitments made to the public during the Public Hearing/Public Consultation being satisfactorily implemented. Budget for the same allocated as per MOEF norms.
xxi)	At least 2 % of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	We have allotted a budget of 2 % of the total cost of the project towards CSR initiatives and activities with Rs. 1.80 crores as expenses for next 10 -12 years. Village Development Committee formed and regular meeting conducted .CSR activity taken up like road making, drinking water, medical camp etc. Details of the CSR from the start are enclosed as **Annexure – 3**.
xxii)	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Sanitation, drinking water and other facility for workers provided. Housing facilities not required only local people are employed.
B.	**GENERAL CONDITIONS**	
i)	The project authorities shall strictly adhere to the stipulations made by the Jharkhand Pollution Control Board (JPCB) and State Govt.	Complied. CTE & CTO obtained from JSPCB and other mandatory departments. All the directions are being complied.
ii)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Complied. At no time the emission level allowed to go beyond the prescribed standards. In the event of failure of any pollution control system, the unit will be immediately put out of operation and shall not be restarted until the desired efficiency achieved.

For Brahmaputra Metallics Limited

Director

iii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. No further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment and Forests, New Delhi and JSPCB.
iv)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	All monitoring as prescribed followed. At no time the emission level will be allowed to go beyond the prescribed standards.
v)	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Authorization from the JPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	Complied. Hazardous waste authorization under the said rule obtained from JSPCB. Regulation complied as per norms.
vi)	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the Pollution Control Board must be obtained for collection/storage/disposal of hazardous wastes.	Complied. Hazardous waste authorization under the said rule obtained from JSPCB and regulation complied as per norms.
vii)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise levels in and around the plant is being kept well within the standards by providing noise control measures – such as acoustic enclosures, isolation, lagging and providing rubber packing.
viii)	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rain water harvesting plan has been developed and implemented for the plant. 2 RWH pits as approved by Ground Water Directorate, Govt. of Jharkhand implemented within premises. Efforts being made to make use of rain water harvested to the maximum extent. Improvement of RWH plan with 2 nos. collection pond and additional recharge pits is designed but progress of implementation stalled due to Covid – 19 situation, will be implemented within a year.
ix)	Occupational Health Surveillance of the workers	Pre-employment health check-up of employees done. Regular (annual) occupational health surveillance

For Brahmaputra Metallics Limited

Director

	shall be done on a regular basis and records maintained as per the Factories Act.	followed as per Factories Act enclosed as **Annexure - 4**
x)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report	The environment protection measures recommended in the EIA/EMP is being strictly followed. Copy of updated EMP expenditure enclosed as **Annexure - 5**
xi)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.	Environment management cell established to function independently and Consultant/Advisors engaged for advice for proper environmental management. NABL/MoEF recognized Environmental laboratory engaged for monitoring. Monitoring report for the period attached.
xii)	As proposed, Rs. 12.48 crores and Rs. 1.42 crores/annum shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and judiciously used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. A time bound implementation schedule shall be submitted to the Ministry and its Regional Office at Bhubaneswar to implement all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	High efficiency dust extractor & bag filter system with appropriate stack height for proper dispersion installed. Copy of updated EMP expenditure enclosed as **Annexure – 5.** Funds earmarked not diverted for any other purpose.
xiii)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Copy of EC letter submitted to the local bodies. No representation of NGO. Environment Clearance letters uploaded on company website.
xiv)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the PPCB. The criteria pollutant levels namely; RSPM (PM 2.5 and PM10), SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Information displayed on the company website. All monitoring as prescribed followed. Reports regularly submitted to concerned authorities. Compliance of conditions, including monitored data has been uploaded on the company website (www.bml.co.in.) Information also displayed at Main gate.

For Brahmaputra Metallics [illegible]

Director

xv)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the JPCB. The Regional Office of this Ministry / CPCB / JPCB shall monitor the stipulated conditions.	Six monthly compliance reports as directed submitted to the concerned authority in the month of June (for the period October – March) and December (for the period April – September) every year. This compliance report for the period 1st October 2020 to 31st March 2021.
xvi)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Environmental statement for each financial year ending 31st March in Form-V submitted with the compliance report of December as per norms and will be put on website. Environment Statement for year ending 31st March 2021 attached as **Annexure – 6.**
xvii)	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the JPCB and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office.	Information to the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry has been published in news papers Hindustan Times (English), Hindustan & Prabhat Khabar (Hindi) dated 08.04.2011. Copies already submitted with earlier compliance reports.
xviii	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	The source of funding is finalized. Project has been sanctioned by consortium of SBI, Bank of Baroda, PNB & S.B.B.J on 08.08.09 and has been extended for next phase on 15.07.2011. Implementation of Induction Furnace and Billet caster was started on 02.04.2011 and completed. Letters already submitted.

For Brahmaputra Metallics Limited

Director

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	**VEL/BML/A/01**	**Report No.:**	**VEL/A/2103/18/001**
Name & Address of the Party:	**M/s Brahmputra Metallics Ltd.**	**Format No.:**	**7.8 F-01**
	Village- Kamta, Block- Gola,	**Party Reference No.:**	**NIL**
	Distt.-Ramgarh, Jharkhand	**Reporting Date:**	**22/03/2021**
Latitude:	**23° 31' 52.39"N**	**Period of Analysis:**	**18/03/2021 - 22/03/2021**
Longitude:	**85° 41' 48.67"E**	**Receipt Date:**	**18/03/2021**
Sample Description:	**AMBIENT AIR QUALITY MONITORING**		

General Information:-

Sample collected by	:	**Vardan Enviro Lab Representative**
Sampling Location	:	**Near Reservoir**
Instrument Used	:	RDS & FPS sampler with all Accessories
Instrument Code	:	VEL/RDS/04 & VEL/FPS/04
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Cloudy Sky
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	09:30 AM – 09:30 AM
Ambient Temperature (°C)	:	Min. 25.0 °C Max. 34.0°C
Surrounding Activity	:	Human & Vehicular Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As per client requirement.

S. No.	Parameter	Protocol	Result	Unit	NAAQS@ Limit
1.	**Particulate Matter ($PM_{2.5}$)**	#SOP No. VEL/SOP/01, Section No. SP 63	**47.62**	$\mu g/m^3$	60
2.	**Particulate Matter (PM_{10})**	IS: 5182 (P-23) Gravimetric Method	**86.14**	$\mu g/m^3$	100
3.	**Nitrogen Dioxide (NO_2)**	IS: 5182 (P-6) Jacob & Hochheiser	**26.59**	$\mu g/m^3$	80
4.	**Sulphur Dioxide (SO_2)**	IS: 5182 (P-2) Modified West and Gaeke	**8.89**	$\mu g/m^3$	80
5.	**Carbon Monoxide (CO)**	IS: 5182 (P-10) Gas Chromatography	**0.97**	mg/m^3	4
6.	**Ammonia (NH3), µg/m3**	APHA, Indo Phenol Blue Method	**12.16**	$\mu g/m^3$	400
7.	**Lead (Pb), $\mu g/m^3$**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 0.05 µg/m3)**	$\mu g/m^3$	1
8.	**Benzene(C_6H_6) , $\mu g/m^3$**	IS: 5182 (P-11)	****BDL (*DL 0.1 µg/m3)**	$\mu g/m^3$	05
9.	**Benzo(a)pyrene, ng/m^3**	IS: 5182 (P-12)	****BDL (*DL 1.0 ng/m3)**	ng/m^3	01
10.	**Ozone (O_3) , $\mu g/m^3$**	IS: 5182 (P-9) Colorimetric Method	**18.47**	$\mu g/m^3$	180
11.	**Arsenic As, ng/ m^3**	IS: 5182 (P-22)	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	6
12.	**Nickel Ni, ng/ m^3**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	20

Note: - @ NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)]18.11.2009.
#SOP- Laboratory Standard Operating Procedure., **BDL- Below Detection Limit, *DL- Detection Limit

AMITABH DUBEY (Tested By)

ARJUN RAWAT (Checked By)

(Approved By) PRATAP SINGH

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

www.vardan.co.in

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	VEL/BML/A/02	**Report No.:**	VEL/A/2103/18/002
Name & Address of the Party:	M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	22/03/2021
Latitude:	23° 31' 26.44"N	**Period of Analysis:**	18/03/2021 - 22/03/2021
Longitude:	85° 42' 13.01"E	**Receipt Date:**	18/03/2021
Sample Description:	AMBIENT AIR QUALITY MONITORING		

General Information:-

Sample collected by	:	**Vardan Enviro Lab Representative**
Sampling Location	:	**Near Main Gate**
Instrument Used	:	RDS & FPS sampler with all Accessories
Instrument Code	:	VEL/RDS/05 & VEL/FPS/05
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	09:45 AM – 09:45 AM
Ambient Temperature (°C)	:	Min. 25.0 °C Max. 34.0°C
Surrounding Activity	:	Human & Vehicular Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As per client requirement.

S. No.	Parameter	Protocol	Result	Unit	NAAQS@ Limit
1.	**Particulate Matter ($PM_{2.5}$)**	#SOP No. VEL/SOP/01, Section No. SP 63	**50.32**	$\mu g/m^3$	60
2.	**Particulate Matter (PM_{10})**	IS: 5182 (P-23) Gravimetric Method	**92.83**	$\mu g/m^3$	100
3.	**Nitrogen Dioxide (NO_2)**	IS: 5182 (P-6) Jacob & Hochheiser	**18.46**	$\mu g/m^3$	80
4.	**Sulphur Dioxide (SO_2)**	IS: 5182 (P-2) Modified West and Gaeke	**16.01**	$\mu g/m^3$	80
5.	**Carbon Monoxide (CO)**	IS: 5182 (P-10) Gas Chromatography	**1.17**	mg/m^3	4
6.	**Ammonia (NH3), µg/m3**	APHA, Indo Phenol Blue Method	**11.75**	$\mu g/m^3$	400
7.	**Lead (Pb), $\mu g/m^3$**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 0.05 $\mu g/m^3$)**	$\mu g/m^3$	1
8.	**Benzene(C_6H_6) , $\mu g/m^3$**	IS: 5182 (P-11)	****BDL (*DL 0.1 $\mu g/m^3$)**	$\mu g/m^3$	05
9.	**Benzo(a)pyrene, ng/m^3**	IS: 5182 (P-12)	****BDL (*DL 1.0 ng/m^3)**	ng/m^3	01
10.	**Ozone (O_3) , $\mu g/m^3$**	IS: 5182 (P-9) Colorimetric Method	**14.20**	$\mu g/m^3$	180
11.	**Arsenic As, ng/ m^3**	IS: 5182 (P-22)	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	6
12.	**Nickel Ni, ng/ m^3**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	20

Note :- @ NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)]18.11.2009.
SOP- Laboratory Standard Operating Procedure., **BDL- Below Detection Limit, *DL- Detection Limit

AMITABH DUBEY
SR. ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

VARDAN ENVIRO LAB PVT. LTD. PRATAP SINGH

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	**VEL/BML/A/03**	**Report No.:**	**VEL/A/2103/18/003**
Name & Address of the Party:	**M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand**	**Format No.:**	**7.8 F-01**
		Party Reference No.:	**NIL**
		Reporting Date:	**22/03/2021**
Latitude:	**23° 31' 39.53"N**	**Period of Analysis:**	**18/03/2021 - 22/03/2021**
Longitude:	**85° 41' 54.24"E**	**Receipt Date:**	**18/03/2021**
Sample Description:	**AMBIENT AIR QUALITY MONITORING**		

General Information:-

Sample collected by	:	**Vardan Enviro Lab Representative**
Sampling Location	:	**Near Office**
Instrument Used	:	RDS & FPS sampler with all Accessories
Instrument Code	:	VEL/RDS/06 & VEL/FPS/06
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	10:00 AM – 10:30 AM
Ambient Temperature (°C)	:	Min. 25.0 °C Max. 34.0°C
Surrounding Activity	:	Human & Vehicular Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As per client requirement.

S. No.	Parameter	Protocol	Result	Unit	NAAQS@ Limit
1.	**Particulate Matter ($PM_{2.5}$)**	#SOP No. VEL/SOP/01, Section No. SP 63	**48.54**	$\mu g/m^3$	60
2.	**Particulate Matter (PM_{10})**	IS: 5182 (P-23) Gravimetric Method	**87.46**	$\mu g/m^3$	100
3.	**Nitrogen Dioxide (NO_2)**	IS: 5182 (P-6) Jacob & Hochheiser	**26.38**	$\mu g/m^3$	80
4.	**Sulphur Dioxide (SO_2)**	IS: 5182 (P-2) Modified West and Gaeke	**9.72**	$\mu g/m^3$	80
5.	**Carbon Monoxide (CO)**	IS: 5182 (P-10) Gas Chromatography	**0.91**	mg/m^3	4
6.	**Ammonia (NH3), µg/m3**	APHA, Indo Phenol Blue Method	**9.93**	$\mu g/m^3$	400
7.	**Lead (Pb), $\mu g/m^3$**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 0.05 µg/m3)**	$\mu g/m^3$	1
8.	**Benzene(C_6H_6), $\mu g/m^3$**	IS: 5182 (P-11)	****BDL (*DL 0.1 µg/m3)**	$\mu g/m^3$	05
9.	**Benzo(a)pyrene, ng/m^3**	IS: 5182 (P-12)	****BDL (*DL 1.0 ng/m3)**	ng/m^3	01
10.	**Ozone (O_3), $\mu g/m^3$**	IS: 5182 (P-9) Colorimetric Method	**14.60**	$\mu g/m^3$	180
11.	**Arsenic As, ng/ m^3**	IS: 5182 (P-22)	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	6
12.	**Nickel Ni, ng/ m^3**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	20

Note :- @ NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)]18.11.2009.
#SOP- Laboratory Standard Operating Procedure., **BDL- Below Detection Limit, *DL- Detection Limit

AMITABH DUBEY
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
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Test Report

Sample Number:	**VEL/BML/A/04**	**Report No.:**	**VEL/A/2103/18/004**
Name & Address of the Party:	**M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand**	**Format No.:**	**7.8 F-01**
		Party Reference No.:	**NIL**
		Reporting Date:	**22/03/2021**
Latitude:	**23° 31' 44.61"N**	**Period of Analysis:**	**18/03/2021 - 22/03/2021**
Longitude:	**85° 41' 57.87"E**	**Receipt Date:**	**18/03/2021**
Sample Description:	**AMBIENT AIR QUALITY MONITORING**		

General Information:-

Sample collected by	:	**Vardan Enviro Lab Representative**
Sampling Location	:	**Near Klin Area**
Instrument Used	:	RDS & FPS sampler with all Accessories
Instrument Code	:	VEL/RDS/07 & VEL/FPS/07
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	10:30 AM – 10:30 AM
Ambient Temperature (°C)	:	Min. 25.0 °C Max. 34.0°C
Surrounding Activity	:	Human & Vehicular Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As per client requirement.

S. No.	Parameter	Protocol	Result	Unit	NAAQS@ Limit
1.	**Particulate Matter ($PM_{2.5}$)**	#SOP No. VEL/SOP/01, Section No. SP 63	**49.02**	$\mu g/m^3$	60
2.	**Particulate Matter (PM_{10})**	IS: 5182 (P-23) Gravimetric Method	**90.36**	$\mu g/m^3$	100
3.	**Nitrogen Dioxide (NO_2)**	IS: 5182 (P-6) Jacob & Hochheiser	**23.58**	$\mu g/m^3$	80
4.	**Sulphur Dioxide (SO_2)**	IS: 5182 (P-2) Modified West and Gacke	**12.42**	$\mu g/m^3$	80
5.	**Carbon Monoxide (CO)**	IS: 5182 (P-10) Gas Chromatography	**1.10**	mg/m^3	4
6.	**Ammonia (NH3), µg/m3**	APHA, Indo Phenol Blue Method	**11.26**	$\mu g/m^3$	400
7.	**Lead (Pb), $\mu g/m^3$**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 0.05 $\mu g/m^3$)**	$\mu g/m^3$	1
8.	**Benzene(C_6H_6) , $\mu g/m^3$**	IS: 5182 (P-11)	****BDL (*DL 0.1 $\mu g/m^3$)**	$\mu g/m^3$	05
9.	**Benzo(a)pyrene, ng/m^3**	IS: 5182 (P-12)	****BDL (*DL 1.0 ng/m^3)**	ng/m^3	01
10.	**Ozone (O_3) , $\mu g/m^3$**	IS: 5182 (P-9) Colorimetric Method	**17.25**	$\mu g/m^3$	180
11.	**Arsenic As, ng/ m^3**	IS: 5182 (P-22)	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	6
12.	**Nickel Ni, ng/ m^3**	IS: 5182 (P-22) Air Acetylene Method	****BDL (*DL 5.0ng/ m^3)**	ng/ m^3	20

Note :- @ NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)]18.11.2009.
#SOP- Laboratory Standard Operating Procedure., **BDL- Below Detection Limit, *DL- Detection Limit

AMITABH DUBEY
SR. ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Test Report

Sample Number:	**VEL/BML/AN/01**	**Report No.:**	**VEL/AN/2103/18/001**
Name & Address of Party:	**M/s Brahmputra Metallics Ltd.**	**Format No.:**	**7.8 F-01**
	Village- Kamta, Block- Gola,	**Party Reference No.:**	**NIL**
	Distt.- Ramgarh, Jharkhand	**Reporting Date:**	**22/03/2021**
Latitude:	**23° 31' 52.39"N**	**Period of Analysis:**	**18/03/2021 - 22/03/2021**
Longitude:	**85° 41' 48.67"E**	**Receipt Date:**	**18/03/2021**
Sample Description:	**AMBIENT NOISE LEVEL MONITORING**		

General Information:-

Sample collected by	:	**Vardan EnviroLab Representative**
Sampling Location	:	**Near Reservoir**
Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/S/SLM/01
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	**06:00 AM to 06:00AM**
Surrounding Activity	:	Human , Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No any
Sampling & Analysis Protocol	:	IS-9989 & CPCB Guide lines
Sampling Duration	:	24 Hours
Parameter Required	:	As per Work Order

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS 9989	71.6	59.3	dB(A)
2.	L_{min}	IS 9989	52.5	38.2	dB(A)
3.	L_{eq}	IS 9989	62.40	49.50	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: * A "decibel" is a unit in which noise is measured.

AMITABH DUBEY
SR. ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

VARDAN ENVIRO LAB GAURAV PRATAP SINGH QUALITY MANAGER
(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Test Report

Sample Number:	**VEL/BML/AN/02**	**Report No.:**	**VEL/AN/2103/18/002**
Name & Address of Party:	**M/s Brahmputra Metallics Ltd.**	**Format No.:**	**7.8 F-01**
	Village- Kamta, Block- Gola,	**Party Reference No.:**	**NIL**
	Distt.- Ramgarh, Jharkhand	**Reporting Date:**	**22/03/2021**
Latitude:	**23° 31' 26.44"N**	**Period of Analysis:**	**18/03/2021 - 22/03/2021**
Longitude:	**85° 42' 13.01"E**	**Receipt Date:**	**18/03/2021**
Sample Description:	**AMBIENT NOISE LEVEL MONITORING**		

General Information:-

Sample collected by	:	**Vardan EnviroLab Representative**
Sampling Location	:	**Near Main Gate**
Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/S/SLM/02
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	**Clear Sky**
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	**06:00 AM to 06:00AM**
Surrounding Activity	:	Human , Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No any
Sampling & Analysis Protocol	:	IS-9989 & CPCB Guide lines
Sampling Duration	:	24 Hours
Parameter Required	:	As per Work Order

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS 9989	73.5	58.2	dB(A)
2.	L_{min}	IS 9989	55.3	40.7	dB(A)
3.	L_{eq}	IS 9989	65.10	48.3	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: * A "decibel" is a unit in which noise is measured.

AMITABH DUBEY
ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

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Test Report

Sample Number:	**VEL/BML/AN/03**	**Report No.:**	**VEL/AN/2103/18/003**
Name & Address of Party:	**M/s Brahmputra Metallics Ltd.**	**Format No.:**	**7.8 F-01**
	Village- Kamta, Block- Gola,	**Party Reference No.:**	**NIL**
	Distt.- Ramgarh, Jharkhand	**Reporting Date:**	**22/03/2021**
Latitude:	**23° 31' 39.53"N**	**Period of Analysis:**	**18/03/2021 - 22/03/2021**
Longitude:	**85° 41' 54.24"E**	**Receipt Date:**	**18/03/2021**

Sample Description: **AMBIENT NOISE LEVEL MONITORING**

General Information:-

Sample collected by	:	**Vardan EnviroLab Representative**
Sampling Location	:	**Near Office**
Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/S/SLM/03
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	**Clear Sky**
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	**06:00 AM to 06:00AM**
Surrounding Activity	:	Human , Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No any
Sampling & Analysis Protocol	:	IS-9989 & CPCB Guide lines
Sampling Duration	:	24 Hours
Parameter Required	:	As per Work Order

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS 9989	77.5	59.8	dB(A)
2.	L_{min}	IS 9989	56.6	44.3	dB(A)
3.	L_{eq}	IS 9989	66.50	52.10	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: * A "decibel" is a unit in which noise is measured.

AMITABH DUBEY
SR. ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Test Report

Sample Number:	**VEL/BML/AN/04**	**Report No.:**	**VEL/AN/2103/18/004**
Name & Address of Party:	**M/s Brahmputra Metallics Ltd.**	**Format No.:**	**7.8 F-01**
	Village- Kamta, Block- Gola,	**Party Reference No.:**	**NIL**
	Distt.- Ramgarh, Jharkhand	**Reporting Date:**	**22/03/2021**
Latitude:	**23° 31' 44.61"N**	**Period of Analysis:**	**18/03/2021 - 22/03/2021**
Longitude:	**85° 41' 57.87"E**	**Receipt Date:**	**18/03/2021**

Sample Description: **AMBIENT NOISE LEVEL MONITORING**

General Information:-

Sample collected by	:	**Vardan EnviroLab Representative**
Sampling Location	:	**Near Klin Area**
Instrument Used	:	Sound Level Meter
Instrument Code	:	VEL/S/SLM/04
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	**Clear Sky**
Date of Monitoring	:	**15/03/2021 to 16/03/2021**
Time of Monitoring	:	**06:00 AM to 06:00AM**
Surrounding Activity	:	Human , Vehicular & Other Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No any
Sampling & Analysis Protocol	:	IS-9989 & CPCB Guide lines
Sampling Duration	:	24 Hours
Parameter Required	:	As per Work Order

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS 9989	75.6	57.0	dB(A)
2.	L_{min}	IS 9989	53.2	37.8	dB(A)
3.	L_{eq}	IS 9989	64.10	45.20	dB(A)
4.	CPCB Limits in dB(A*) Leq (Industrial Area)	-	75.00	70.00	dB(A)

Note: * A "decibel" is a unit in which noise is measured.

AMITABH DUBEY
SR. ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
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Test Report

Sample Number:	VEL/BML/ST/01	**Report No.:**	VEL/ST/2103/18/001
Name & Address of Party:	M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	22/03/2021
Latitude:	23° 31' 40.79"N	**Period of Analysis:**	18/03/2021 – 22/03/2021
Longitude:	85° 41' 56.78"E	**Receipt Date:**	18/03/2021

Sample Description: STACK EMISSION MONITORING

General Information:-

Sample collected by	: Vardan Enviro Lab Representative
Date of Sampling	: 15/03/2021
Sampling Location	: DG Set Area
Sampling Duration (Minutes)	: 32.0
Name of the Plant	: DRI Klin (8 MW)
Stack Attached to	: DRI Klin
Make of Stack	: Iron
Metrological Condition	: Clear Sky
Instrument Used	: Stack monitoring Kit
Control Measure	: ESP
Instrument Calibration Status	: Calibrated
Diameter of Stack	: 3.97 meter
Height of Stack (m)	: 69 meter
Ambient Temperature-Ta (°C)	: 36.0
Temperature of Stack Gases-Ts (°C)	: 168.0
Velocity of Stack Gases (m/sec.)	: 9.42
Flow rate of PM (LPM)	: 24.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS :11255

S.No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	40.66	mg/Nm^3
2.	Nitrogen Dioxide (as NO_2)	IS 11255 (P-7) Colorimetric Method	23.12	mg/Nm^3
3.	Carbon Dioxide (as CO_2)	IS 13270 Orsat Method	6.02	%
4.	Sulphur Dioxide (SO2)	IS 11255 (P-2) Titrimetric Method	34.20	mg/Nm^3

AMITABH DUBEY
SR ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Test Report

Sample Number:	VEL/BML/ST/02	**Report No.:**	VEL/ST/2103/18/002
Name & Address of Party:	M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	22/03/2021
Latitude:	23° 31' 41.06"N	**Period of Analysis:**	18/03/2021 – 22/03/2021
Longitude:	85° 41' 56.11"E	**Receipt Date:**	18/03/2021

Sample Description: STACK EMISSION MONITORING

General Information:-

Sample collected by	: Vardan Enviro Lab Representative
Date of Sampling	: 15/03/2021
Sampling Location	: DG Set Area
Sampling Duration (Minutes)	: 33.0
Name of the Plant	: Power Stack (10 MW)
Stack Attached to	: Power Stack
Make of Stack	: Iron
Metrological Condition	: Clear Sky
Instrument Used	: Stack monitoring Kit
Control Measure	: ESP
Instrument Calibration Status	: Calibrated
Diameter of Stack	: 3.97 meter
Height of Stack (m)	: 71 meter
Ambient Temperature-Ta (°C)	: 36.0
Temperature of Stack Gases-Ts (°C)	: 169.0
Velocity of Stack Gases (m/sec.)	: 9.48
Flow rate of PM (LPM)	: 24.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS :11255

S.No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	41.76	mg/Nm^3
2.	Nitrogen Dioxide (as NO_2)	IS 11255 (P-7) Colorimetric Method	20.51	mg/Nm^3
3.	Carbon Dioxide (as CO_2)	IS 13270 Orsat Method	5.72	%
4.	Sulphur Dioxide (SO2)	IS 11255 (P-7) Titrimetric Method	31.76	mg/Nm^3

AMITABH DUBEY
(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

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Test Report

Sample Number:	VEL/BML/ST/03	**Report No.:**	VEL/ST/2103/18/003
Name & Address of Party:	M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand	**Format No.:**	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	22/03/2021
Latitude:	23° 31' 38.19"N	**Period of Analysis:**	18/03/2021 – 22/03/2021
Longitude:	85° 41' 56.78"E	**Receipt Date:**	18/03/2021

Sample Description: STACK EMISSION MONITORING

General Information:-

Sample collected by	: Vardan Enviro Lab Representative
Date of Sampling	: 15/03/2021
Sampling Location	: DG Set Area
Sampling Duration (Minutes)	: 31.0
Name of the Plant	: Steel Melting Shop Stack
Stack Attached to	: Steel Melting Shop Stack
Make of Stack	: Iron
Metrological Condition	: Clear Sky
Instrument Used	: Stack monitoring Kit
Control Measure	: ESP
Instrument Calibration Status	: Calibrated
Diameter of Stack	: 1.5 meter
Height of Stack (m)	: 30 meter
Ambient Temperature-Ta (°C)	: 36.0
Temperature of Stack Gases-Ts (°C)	: 171.0
Velocity of Stack Gases (m/sec.)	: 8.67
Flow rate of PM (LPM)	: 24.0
Flow rate of Gas (LPM)	: 2.0
Sampling Condition	: Isokinetic
Protocol Used	: IS :11255

S. No.	Parameter	Protocol	Result	Unit
1.	Particulate Matter (PM)	IS 11255 (P-1) Gravimetric Method	34.05	mg/Nm^3
2.	Nitrogen Dioxide (as NO_2)	IS 11255 (P-7) Colorimetric Method	24.80	mg/Nm^3
3.	Carbon Dioxide (as CO_2)	IS 13270 Orsat Method	1.78	%
4.	Sulphur Dioxide (SO2)	IS 11255 (P-7) Titrimetric Method	28.96	mg/Nm^3

AMITABH DUBEY
(Tested By) AYST

ARJUN RAWAT
(Checked By)

(Approved By)
SAURAV PRATAP SINGH

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
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Test Report

Sample Number:	**VEL/BML/A/01**	**Report No.:**	**VEL/F/2103/18/001**
Name & Address of the	**M/s Brahmputra Metallics Ltd.**	**Format No.:**	**7.8 F-01**
Project:	**Village- Kamta, Block- Gola,**	**Party Reference No.:**	**NIL**
	Distt.- Ramgarh, Jharkhand	**Reporting Date:**	**22/03/2021**
Latitude:	**23° 31' 40.79"N**	**Period of Analysis:**	**18/03/2021 – 22/03/2021**
Longitude:	**85° 41' 56.78"E**	**Receipt Date:**	**18/03/2021**

FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	:	**Vardan Enviro Lab Representative**
Instrument Used	:	RDS with all Accessories
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Ambient Temperature (°C)	:	Min. 25°C Max. 34°C
Surrounding Activity	:	Human , Vehicular, & Other Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As Per Client Requirement

S. No.	Location	Date of Sampling	Protocol	SPM (µg/m3)
1.	**DRI- Raw Material Section**	16/03/2021	IS: 5182 (P-23), 2006	**255.20**

AMITABH DUBEY
(Tested By)

ARJUN RAWAT
(Checked By)

GAURAV
(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	VEL/BML/A/02	**Report No.:**	VEL/F/2103/18/002
Name & Address of the	M/s Brahmputra Metallics Ltd.	**Format No.:**	7.8 F-01
Project:	Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand	**Party Reference No.:**	NIL
		Reporting Date:	22/03/2021
Latitude:	23° 31' 41.06"N	**Period of Analysis:**	18/03/2021 – 22/03/2021
Longitude:	85° 41' 56.11"E	**Receipt Date:**	18/03/2021

FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	:	Vardan Enviro Lab Representative
Instrument Used	:	RDS with all Accessories
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Ambient Temperature (°C)	:	Min. 25°C Max. 34°C
Surrounding Activity	:	Human , Vehicular, & Other Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As Per Client Requirement

S.No.	Location	Date of Sampling	Protocol	SPM (µg/m3)
1.	CPP- Near CHP Area	16/03/2021	IS: 5182 (P-23), 2006	268.70

AMITABH DUBEY
SR ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

GAURAV PRATAP SINGH
(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	**VEL/BML/A/03**	**Report No.:**	**VEL/F/2103/18/003**
Name & Address of the Project:	**M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand**	**Format No.:**	**7.8 F-01**
		Party Reference No.:	**NIL**
		Reporting Date:	**22/03/2021**
Latitude:	**23° 31' 38.19"N**	**Period of Analysis:**	**18/03/2021 – 22/03/2021**
Longitude:	**85° 41' 56.78"E**	**Receipt Date:**	**18/03/2021**

FUGITIVE DUST MONITORING REPORT

General Information:-		
Sample collected by	:	Vardan Enviro Lab Representative
Instrument Used	:	RDS with all Accessories
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Ambient Temperature (°C)	:	Min. 25°C Max. 34°C
Surrounding Activity	:	Human , Vehicular, & Other Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As Per Client Requirement

S. No.	Location	Date of Sampling	Protocol	SPM (µg/m3)
1.	SMS- Near Billet Storage Yard	16/03/2021	IS: 5182 (P-23), 2006	249.20

AMITABH DUBEY
SR. ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

GAURAV PRATAP SINGH
(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	**VEL/BML/A/04**	**Report No.:**	**VEL/F/2103/18/004**
Name & Address of the	**M/s Brahmputra Metallics Ltd.**	**Format No.:**	**7.8 F-01**
Project:	**Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand**	**Party Reference No.:**	**NIL**
		Reporting Date:	**22/03/2021**
Latitude:	**23° 31' 48.34"N**	**Period of Analysis:**	**18/03/2021 – 22/03/2021**
Longitude:	**85° 41' 51.23"E**	**Receipt Date:**	**18/03/2021**

FUGITIVE DUST MONITORING REPORT

General Information:-

Sample collected by	:	Vardan Enviro Lab Representative
Instrument Used	:	RDS with all Accessories
Instrument Calibration Status	:	Calibrated
Meteorological condition during monitoring	:	Clear Sky
Ambient Temperature (°C)	:	Min. 25°C Max. 34°C
Surrounding Activity	:	Human , Vehicular, & Other Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Control measure if Any	:	No
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guide lines
Parameter Required	:	As Per Client Requirement

S. No.	Location	Date of Sampling	Protocol	SPM (µg/m3)
1.	FLY Ash Bricks Plant Near Material Section	16/03/2021	IS: 5182 (P-23), 2006	274.62

AMITABH DUBEY (Tested By)

ARJUN RAWAT (Checked By)

GAURAV (Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	VEL/BML/W/01	**Report No.:**	VEL/W/2103/18/001
Name & Address of Party:	M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand	**Format No.:**	7.8 F-01
		Party Reference No.:	Nil
		Reporting Date:	22/03/2021
Sample Description:	Borewell Water Sanple	**Period of Analysis:**	18/03/2021 – 22/03/2021
Sample Location:	Near Intake Water Tank	**Receipt Date**	18/03/2021
Sample Collected by:	Vardan Enviro Lab Representative	**Date of Sampling:**	16/03/2021
Parameter Required	As per Client Requirement	**Preservation:**	Refrigerated
Sampling & Analysis Protocol:	IS-3025,APHA	**Sampling Type:**	Grab
Latitude:	23° 31' 50.28"E	**Sample Quantity:**	2.0 Ltr. + 200 ml
Longitude:	85° 41' 47.67"E		

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 ^{0}C)	APHA ,4500-H^+ B Electrometric Method	7.51	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephlelometric Method	*BDL (**DL 0. 1 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as $CaCO_3$	APHA , 2340 C, EDTA Titrimetric Method	145.00	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	37.98	mg/l	75	200
8.	Alkalinity as $CaCO_3$	APHA , 2320 B, Titrimetric Method	154.16	mg/l	200	600
9.	Chloride as Cl	APHA, 4500-Cl^- B, Argentometric Method	17.34	mg/l	250	1000
10.	#Cyanide as CN	APHA , 4500 CN^- D	*BDL(**DL 0.05 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	12.21	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	329.00	mg/l	500	2000
13.	Sulphate as SO_4	APHA , 4500 E, Turbidimetric Method	8.67	mg/l	200	400
14.	Fluoride as F	APHA , 4500-F^- D, SPADNS Method	0.63	mg/l	1.0	1.5
15.	Nitrate as NO_3	IS 3025 (P-34) ,Chromotropic Method	5.42	mg/l	45	No Relaxation
16.	Iron as Fe	APHA , 3500-Fe B 1,10 Phenanthroline Method	0.10	mg/l	0.3	No relaxation
17.	Aluminium as Al	APHA , 3111 D Nitrous Oxide Acetylene Flame Method	*BDL(**DL 0.03 mg/l)	mg/l	0.03	0.2
18.	Boron	APHA, 4500B C, Carmine Method	*BDL(**DL 0.1 mg/l)	mg/l	0.5	1
19.	Total Chromium as Cr	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.03 mg/l)	mg/l	0.05	No Relaxation

(Tested By) ARJUN RAWAT (Checked By) GAURAV (Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample No.: **VEL/BML/W/01** Report No: **VEL/W/2103/18/001**

S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.01mg/l)	mg/l	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.65	mg/l	5	15
24.	Copper as Cu	APHA , 3111 B, Direct Air, Acetylene Flame Method	* BDL(**DL 0.03 mg/l)	mg/l	0.05	1.5
25.	Manganese as Mn	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL	mg/l	0.01	No Relaxation
28.	Selenium as Se	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	Mercury as Hg	APHA , 3112 B, Cold Vapour AAS Method	*BDL (**DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 1622	< 2	MPN/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 1622	Absent	MPN/100ml	Shall not be detectable in any 100 ml sample	

Note: - *BDL-Below Detection Limit, **DL- Detection Limit. #These parameter are not covered in our NABL scope.

MAMTA VAYAK
SR. ANALYST
(Tested By)

ARJUN RAWAT
(Checked By)

GAURAV
(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	**VEL/BML/W/02**	**Report No.:**	**VEL/W/2103/18/002**
Name & Address of Party:	**M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand**	**Format No.:**	**7.8 F-01**
		Party Reference No.:	**Nil**
		Reporting Date:	**22/03/2021**
Sample Description:	**Surface Water sample**	**Period of Analysis:**	**18/03/2021 – 22/03/2021**
Sample Location:	**Bhera River, (Upstream)**	**Receipt Date**	**18/03/2021**
Sample Collected by:	**Vardan Enviro Lab Representative**	**Date of Sampling:**	**16/03/2021**
Parameter Required	**As per Client Requirement**	**Preservation:**	**Refrigerated**
Sampling & Analysis Protocol:	**IS-3025,APHA**	**Sampling Type:**	**Grab**
Latitude:	**23° 31' 55.35"E**	**Sample Quantity:**	**2.0 Ltr. + 200 ml**
Longitude:	**85° 41' 44.42"E**		

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	APHA ,4500-H$^+$ B Electrometric Method	7.39	--
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen
3.	Turbidity	APHA, 2130 B, Nephlelometric Method	*BDL (**DL 0. 1 NTU)	NTU
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--
5.	Total Hardness as $CaCO_3$	APHA , 2340 C, EDTA Titrimetric Method	76.00	mg/l
6.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	25.81	mg/l
7.	Alkalinity as $CaCO_3$	APHA , 2320 B, Titrimetric Method	85.36	mg/l
8.	Chloride as Cl	APHA, 4500-Cl$^-$ B, Argentometric Method	32.49	mg/l
9.	#Cyanide as CN	APHA , 4500 CN$^-$ D	*BDL(**DL 0.05 mg/l)	mg/l
10.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	2.82	mg/l
11.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	180.00	mg/l
12.	Total Suspended Solid	APHA , 2540 C, Gravimetric Method	18.00	mg/l
13.	Sulphate as SO_4	APHA , 4500 E, Turbidimetric Method	9.38	mg/l
14.	Fluoride as F	APHA , 4500-F$^-$ D, SPADNS Method	0.42	mg/l
15.	Electrical Conductivity	APHA,5210 Conductivity Meter Method	300	µs/cm
16.	Nitrate as NO_3	IS 3025 (P-34) ,Chromotropic Method	6.08	mg/l
17.	Iron as Fe	APHA , 3500-Fe B 1,10 Phenanthroline Method	0.16	mg/l
18.	Boron	APHA, 4500B C, Carmine Method	0.47	mg/l

(Tested By) (Checked By) (Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample No.: **VEL/BML/W/02** Report No: **VEL/W/2103/18/002**

S. No	Parameter	Test-Method	Result	Unit
19.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l
20.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l
21.	Zinc as Zn	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.46	mg/l
22.	Copper as Cu	APHA , 3111 B, Direct Air, Acetylene Flame Method	* BDL(**DL 0.03 mg/l)	mg/l
23.	Manganese as Mn	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l
24.	Cadmium as Cd	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL	mg/l
25.	Lead as Pb	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL	mg/l
26.	Hexavalent Chromium	APHA, 3500Cr B Colorimetric Method	*BDL(**DL 0.01 mg/l)	mg/
27.	COD	APHA,5220 B Open Reflux Method	25.40	mg/
28.	BOD (3 Days at 27°C)	APHA ,5210 C/IS 3025(P-44)	8.00	mg/l

Note: - *BDL-Below Detection Limit, **DL- Detection Limit. #These parameter are not covered in our NABL scope.

MAMTA NAYAK (Tested By)

ARJUN RAWAT (Checked By)

GAURAV (Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample Number:	**VEL/BML/W/03**	**Report No.:**	**VEL/W/2103/18/003**
Name & Address of Party:	**M/s Brahmputra Metallics Ltd. Village- Kamta, Block- Gola, Distt.- Ramgarh, Jharkhand**	**Format No.:**	**7.8 F-01**
		Party Reference No.:	**Nil**
		Reporting Date:	**22/03/2021**
Sample Description:	**Surface Water Sample**	**Period of Analysis:**	**18/03/2021 – 22/03/2021**
Sample Location:	**Bhera River, (Downstream)**	**Receipt Date**	**18/03/2021**
Sample Collected by:	**Vardan Enviro Lab Representative**	**Date of Sampling:**	**16/03/2021**
Parameter Required	**As per Client Requirement**	**Preservation:**	**Refrigerated**
Sampling & Analysis Protocol:	**IS-3025,APHA**	**Sampling Type:**	**Grab**
Latitude:	**23° 31' 48.49"E**	**Sample Quantity:**	**2.0 Ltr. + 200 ml**
Longitude:	**85° 41' 42.00"E**		

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 ^{0}C)	APHA ,4500-H^+ B Electrometric Method	7.79	--
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen
3.	Turbidity	APHA, 2130 B, Nephlelometric Method	*BDL (**DL 0. 1 NTU)	NTU
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--
5.	Total Hardness as $CaCO_3$	APHA , 2340 C, EDTA Titrimetric Method	90.00	mg/l
6.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	32.69	mg/l
7.	Alkalinity as $CaCO_3$	APHA , 2320 B, Titrimetric Method	97.53	mg/l
8.	Chloride as Cl	APHA, 4500-Cl^- B, Argentometric Method	40.24	mg/l
9.	#Cyanide as CN	APHA , 4500 CN^- D	*BDL(**DL 0.05 mg/l)	mg/l
10.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	2.05	mg/l
11.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	201.00	mg/l
12.	Total Suspended Solid	APHA , 2540 C, Gravimetric Method	23.00	mg/l
13.	Sulphate as SO_4	APHA , 4500 E, Turbidimetric Method	8.25	mg/l
14.	Fluoride as F	APHA , 4500-F^- D, SPADNS Method	0.65	mg/l
15.	Electrical Conductivity	APHA,5210 Conductivity Meter Method	335	µs/cm
16.	Nitrate as NO_3	IS 3025 (P-34) ,Chromotropic Method	6.95	mg/l
17.	Iron as Fe	APHA , 3500-Fe B 1,10 Phenanthroline Method	0.27	mg/l
18.	Boron	APHA, 4500B C, Carmine Method	0.56	mg/l

(Tested By)

ARJUN RAWAT
(Checked By)

(Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

www.vardan.co.in

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051, Haryana
NABL Accredited | MoEF&CC Recognized | ISO 9001|ISO 14001|ISO 45001

Test Report

Sample No.: **VEL/BML/W/03** Report No: **VEL/W/2103/18/003**

S. No	Parameter	Test-Method	Result	Unit
19.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l
20.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l
21.	Zinc as Zn	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.52	mg/l
22.	Copper as Cu	APHA , 3111 B, Direct Air, Acetylene Flame Method	* BDL(**DL 0.03 mg/l)	mg/l
23.	Manganese as Mn	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l
24.	Cadmium as Cd	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL	mg/l
25.	Lead as Pb	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL	mg/l
26.	Hexavalent Chromium	APHA, 3500Cr B Colorimetric Method	*BDL(**DL 0.01 mg/l)	mg/
27.	COD	APHA,5220 B Open Reflux Method	27.20	mg/
28.	BOD (3 Days at 27°C)	APHA ,5210 C/IS 3025(P-44)	9.00	mg/l

Note: - *BDL-Below Detection Limit, **DL- Detection Limit. #These parameter are not covered in our NABL scope.

(Tested By) ARJUN RAWAT (Checked By) GAURAV PRATAP SINGH (Approved By)

For Brahmaputra Metallics Limited

Director

Note: Terms & conditions refer on backside of test report.

BRAHMAPUTRA METALLICS LIMITED

VILLAGE - KAMTA, BLOCK - GOLA, DISTRICT - RAMGARH, JHARKHAND

Fly Ash/Char Gen & Con Details

Month	Ash						Char		D-Dust	
	Gen-Mt		Total Gen	Disposal - MT		Closing	Gen	Con	Gen	Con
	AFBC	WHRB		Sale	Cons					
April-20	-	693.00	693.00	116.29	-	79,739.97	945.00	-	360.00	25.29
May-20	6,190.56	2,418.00	8,608.56	12,916.05	551.39	74,881.09	3,335.00	3,679.00	1,488.00	551.03
June-20	6,580.89	2,340.00	8,920.89	-	651.49	83,150.49	3,290.00	3,853.00	1,380.00	307.54
July-20	9,244.81	2,387.00	11,631.81	17,382.03	710.95	76,689.31	3,720.00	3,762.00	1,457.00	225.83
Aug-20	5,602.79	2,387.00	7,989.79	59,573.60	625.52	24,479.99	3,210.00	2,764.00	1,426.00	104.03
Sept-20	3,863.48	2,340.00	6,203.48	19,683.84	521.00	10,478.63	1,733.00	1,781.00	1,104.00	967.42
Oct-20	657.88	546.00	1,203.88	3,337.97	633.01	7,711.53	820.00	1,155.00	658.00	257.64
Nov-20	6,223.37	2,340.00	8,563.37	5,517.89	643.24	10,113.77	3,240.00	3,139.00	1,440.00	292.90
Dec-20	5,963.21	2,233.00	8,196.21	8,403.48	545.68	9,360.83	2,880.00	2,798.00	1,380.00	457.74
Jan'21	6,626.53	2,418.00	9,044.53	6,669.29	726.62	11,009.44	2,935.00	2,905.00	1,488.00	711.36
Feb'21	5,360.85	1,638.00	6,998.85	5,738.94	777.45	11,491.91	2,215.00	2,313.00	945.00	520.18
Mar'21	6,609.75	2,418.00	9,027.75	6,051.51	641.93	13,826.22	-	-	1,457.00	825.60
	62,924.12	**24,158.00**	**87,082.12**	**1,45,390.89**	**7,028.27**		**28,323.00**	**28,149.00**	**14,583.00**	**5,246.56**

For Brahmaputra Metallics Limited

Director

BML													
CSR Expenditure Head Wise													
HEAD / YEAR	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**TOTAL**
Rural Development	3,44,124	3,49,923			3,32,914	31,315	7,427	5,33,595	36,420	24,162	25,000		16,84,880
Social Support	3,471	43,912		30,980	46,674	98,500	45,500	44,250	83,584	46,455	7,21,207	54,300	12,18,833
Village Temple Construction	75,557	5,36,715			12,320	4,36,376	3,82,554	27,425		2,98,091	3,86,585		21,55,623
Education	38,326	1,06,061		2,266	8,740	13,281					22,000		1,90,674
Skill Development		56,200		3,52,000			550						4,08,750
Health		14,140					8,233	4,252			3,50,700		3,77,325
Sports Promotion		32,259	15,610	16,863	16,002	41,500	13,000	45,168	31,547	16,500	17,227		2,45,676
Enviornment				35,881	11,435	1,55,000			20,000				2,22,316
Drinking Water									7,905	4,620	5,350		17,875
Livelihood									4,75,667	8,10,618	10,30,004	5,91,759	29,08,048
Social Awareness										12,000			12,000
TOTAL	**4,61,478**	**11,39,210**	**15,610**	**4,37,990**	**4,28,085**	**7,75,972**	**4,57,264**	**6,54,690**	**6,55,123**	**12,12,445**	**25,58,073**	**6,46,059**	**94,41,999**

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
1	Mukesh Kumar	M_0132	11/01/1992	Operation	01-12-2016	Good	166 cm	68 Kgs	PP - 77 mg	B +VE	Normal	No	Normal	14	75 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
2	Ashutosh Kumar	M_0084	14/02/1986	Operation	24-01-2012	Good	172 cm	80 Kgs	PP - 119 mg	B +VE	Normal	No	Normal	12	71 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
3	Pancham Poddar	Casual	06/05/1991	Electrical		Good	172 cm	74 Kgs	Random - 108mg/dl	O +VE	Normal	No	Normal	12	72 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
4	Mahesh Kr Mahtha	M_0169	06/08/1995	Operation	15-02-2020	Good	166 cm	69 Kgs	Random - 106mg dl	B +VE	Normal	No	Normal	14	73 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
5	Aman Kuimar	M_0075	01/03/1977	Operation	22-06-2011	Good	172 cm	72 Kgs	Random - 117 mg dl	B +VE	Normal	No	Normal	13	72 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
6	Mahabir Sahu	M_0089	26/08/1989	Operation	03-12-2012	Good	168 cm	72 Kgs	Random - 123 mg dl	B +VE	Normal	No	Normal	12	74 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
7	Rajdeep Mahto	Casual	20-12/1979	Operation		Good	170 cm	76 Kgs	Random - 120 mg/dl	AB +VE	Normal	No	Normal	14	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
8	MD. Salim	M_0057	16/12/1974	Mechanical	01-04-2011	Good	175 cm	96 Kgs	PP - 134 mg	A +VE	Normal	No	Normal	14	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
9	S. Mohanty	M_0025	16/05/1984	E & I	11-08-2010	Good	166 cm	78 Kgs	PP - 122 mg	A +VE	Normal	No	Normal	12	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
10	Dhirendra Dubey	W_0089	10/12/1984	E & I	21-01-2011	Good	164 cm	60Kgs	PP - 90 mg	B +VE	Normal	No	Normal	13	70 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
11	Sohan Mahto	W_0174	18/02/1974	Dm Plant	22-04-2011	Good	168 cm	76 Kgs	PP - 109 mg	O +VE	Normal	No	Normal	13	76 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
12	Balram Mahto	W_0029	01/10/1981	Dm Plant	25-10-2010	Good	178 cm	98 Kgs	Random - 91mg dl	O -VE	Normal	No	Normal	14	75 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
13	Sailaj Kumar See	W_0185	02/02/1979	Electrical	04-05-2011	Good	168 cm	78 Kgs	Random - 136 mg dl	A +VE	Normal	No	Normal	14	72 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
14	Ashok Kumar	M_0028	13/02/1985	Electrical	25-08-2010	Good	172 cm	76 Kgs	Random - 100 mg dl	A +VE	Normal	No	Normal	12	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
15	Pratyush Kumar	M_0093	27/03/1988	E & I	20-12-2012	Good	168 cm	74 Kgs	Random - 108 mg dl	O +VE	Normal	No	Normal	12	74 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
16	Rajan Sharma	M_0088	10/09/1984	Mechanical	03-12-2012	Good	168 cm	70 Kgs	Random - 129 mg	O +VE	Normal	No	Normal	14	72 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
17	Ashok Kumar	W_0148	08/02/1984	Mechanical	05-04-2011	Good	170 cm	72 Kgs	Random - 86 mg dl	A +VE	Normal	No	Normal	13	72 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L
Reg No - 2543

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
18	Sailesh Prased	W_0048	08/10/1977	Dm Plant	05-12-2010	Good	168 cm	68 Kgs	Random - 84 mg/dl	B +VE	Normal	No	Normal	12	70 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
19	Dilnath kumar	W_0022	01/01/1985	Dm Plant	22-10-2010	Good	172 cm	78 Kgs	PP - 80 mg	O +VE	Normal	No	Normal	14	72 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
20	Gurupada Karamakar	W_0014	23/06/1978	Mechanical	20-10-2010	Good	172 cm	72 Kgs	Random - 78 mg/dl	O +VE	Normal	No	Normal	14	71 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
21	Sanjay Sarma	W_0093	03/02/1980	Mechanical	21-01-2011	Good	170 cm	74 Kgs	Random - 110 mg/dl	A +VE	Normal	No	Normal	12	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
22	Kirpal Mahto	W_0041	02/03/1978	Mechanical	15-11-2010	Good	174cm	78 Kgs	Random - 122 mg/dl	O +VE	Normal	No	Normal	13	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
23	Ranjeet Kumar	M_0048	05/01/1980	SMS	02-02-2011	Good	166 cm	72 Kgs	Random - 160 mg/dl	O +VE	Normal	No	Normal	13	75 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
24	Mrigandra Kumar	M_0157	21/11/1969	Safety	11-02-2019	Good	164 cm	70 Kgs	Random - 144 mg/dl	O +VE	Normal	No	Normal	14	74 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
25	Kalyan Chakraborty	M_0053	10/01/1964	SMS	01-03-2011	Good	162 cm	74Kgs	PP - 120 mg/dl	B +VE	Normal	No	Normal	14	75 min	115 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
26	Ajay Kishor poddar	Casual	28/01/1966	Slag crusher		Good	164 cm	68 Kgs	Random - 118 mg/dl	B +VE	Normal	No	Normal	12	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
27	Sailesh Kumar Mahto	M_0064	02/07/1990	Operation	22-04-2011	Good	166 cm	70 Kgs	PP - 115 mg	O +VE	Normal	No	Normal	14	74 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
28	Triloki Mahto	Casual	12/03/1964	Peon		Good	166 cm	68 Kgs	PP - 101 mg	O +VE	Normal	No	Normal	13	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
29	Ramashish Mishra	M_0050	03/02/1986	Commercial	14-02-2011	Good	166 cm	70 Kgs	PP - 109 mg	O +VE	Normal	No	Normal	12	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
30	Sandeep Rakshit	E_0011	31/03/1963	Commercial	24-08-2009	Good	170cm	72 Kgs	Random - 92 mg/dl	O +VE	Normal	No	Normal	14	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
31	Antesh Singh	M_0073	25/12/1968	Commercial	10-06-2011	Good	170cm	72 Kgs	PP - 112 mg	A +VE	Normal	No	Normal	14	71 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
32	Shamim Ahmad	M_0059	25/09/1974	Commercial	01-04-2011	Good	162 cm	68 Kgs	PP - 133 mg	A +VE	Normal	No	Normal	12	70 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
33	Sandep Thakur	Casual	06/11/1988	Commercial		Good	168 cm	74 Kgs	Random - 115 mg/dl	B +VE	Normal	No	Normal	13	68 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
34	Manoj Kumar	M_0137	25/01/1983	Commercial	21-01-2011	Good	170 cm	76 Kgs	PP - 98 mg	O +VE	Normal	No	Normal	13	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Reg No-2213

DR. VIVEK KUMAR
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For Brahmaputra Metallics Limited

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BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
35	Abhiram Mahto	Casual	05/01/1974	Peon		Good	166 cm	65 Kgs	Random - 130 mg/dl	AB +VE	Normal	No	Normal	14	68 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
36	Jagnarayan Saw	M_0007	10/02/1985	Commercial	16-08-2008	Good	164 cm	68Kgs	PP - 100 mg/dl	B +VE	Normal	No	Normal	14	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
37	Shambhu Mahto	M_0002	13/10/1964	Commercial	17-09-1996	Good	168cm	76 Kgs	PP - 131mg	B +VE	Normal	No	Normal	12	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
38	Ankit Prasad	SMC	10/02/1989	Commercial		Good	164 cm	66 Kgs	PP - 94 mg	O +VE	Normal	No	Normal	12	72 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
39	Kamlesh Kumar	Casual	01/03/1992	Causal		Good	170 cm	68Kgs	PP - 130 mg	O+VE	Normal	No	Normal	14	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
40	Ramesh Sharma	E_0005	06/05/1981	Commercial	01-06-2008	Good	170 cm	68 Kgs	PP - 107 mg	A +VE	Normal	No	Normal	13	72 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
41	Sanjay Shrivastava	M_0018	01/01/1964	Store	17-05-2010	Good	168 cm	70 Kgs	PP - 130 mg	B +VE	Normal	No	Normal	12	72 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
42	S K Mukherjee	M_0056	26/08/1962	Store	15-03-2011	Good	166 cm	72 Kgs	PP - 130 mg	B +VE	Normal	No	Normal	14	74 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
43	Naresh Sharma	M_0135	26/02/1975	Store	01-04-2016	Good	164 cm	78Kgs	Random - 98 mg/dl	B +VE	Normal	No	Normal	14	75 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
44	Sohan Ram Dangi	W_0059	17/12/1979	Store	01-01-2011	Good	168 cm	64 Kgs	PP - 107 mg	B +VE	Normal	No	Normal	12	70 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
45	Rajesh Ranjan	M_0076	26/01/1974	Store	07-07-2011	Good	170cm	74 Kgs	PP - 123 mg	B +VE	Normal	No	Normal	13	72 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
46	Mrityunjay Debnath	M_0008	16/07/1967	Store	01-09-2008	Good	166 cm	74Kgs	PP - 275 mg	A+VE	Normal	No	Normal	13	68 min	140 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
47	Laganu Mahto	W_0055	18-09-1964	Store	01-01-2011	Good	168 cm	78Kgs	PP - 118mg		Normal	No	Normal	14	70 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
48	Mehilal Prajapati	W_0058	06/07/1980	Store	01-01-2011	Good	166cm	64 Kgs		A +VE	Normal	No	Normal	14	72 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
49	Surendra Nath Mahto	W_0215	04/01/1982	Store	01-01-2012	Good	170cm	72 Kgs	PP - 94 mg	B +VE	Normal	No	Normal	12	70 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
50	Amar Dubey	Casual	15/05/1994	Operation	01-08-2019	Good	166 cm	70Kgs	PP - 103 mg	O +VE	Normal	No	Normal	14	72 min	130 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
51	Mahboob Ansari	Bloom	13/03/1996	Operation	02-01-2018	Good	166 cm	64 Kgs	PP - 78 mg	AB +VE	Normal	No	Normal	13	72 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Reg no-2543

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
52	Rajeev Kumar Gupta	W_0010	01/02/1975	Operation	20-10-2010	Good	166 cm	68 Kgs	PP - 132 mg	A +VE	Normal	No	Normal	14	70 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
53	Rahul Raj	M_0156	19/01/1988	Electrical	02-04-2018	Good	170 cm	78 Kgs	PP - 109 mg	O +VE	Normal	No	Normal	14	73 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
54	Suresh Gorai	Turipati	28/12/1972	Mechanical		Good	168 cm	78 kgs	PP - 142 mg	AB +VE	Normal	No	Normal	12	77 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
55	A. Durga Rao	M_0043	06/05/1980	Mechanical	01-12-2010	Good	166 cm	74 Kgs	PP - 94 mg	B +VE	Normal	No	Normal	14	73 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
56	Nandlal Sinha	Turipati	05/01/1982	Mechanical		Good	168	70 Kgs	Random - 82 mg/dl	B +VE	Normal	No	Normal	14	70 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
57	Ashok Kumar Saw	Turipati	12/04/1989	Mechanical		Good	170 cm	78 Kgs	PP - 140 mg	O +VE	Normal	No	Normal	12	70 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
58	Raj Kumar	Turipati	02/04/1976	Mechanical		Good	168 cm	84 Kgs	Random - 138 mg/dl	B +VE	Normal	No	Normal	13	71 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
59	Kamal Kumar Gupta	W_0113	30/07/1970	Electrical	04-02-2011	Good	167 cm	79 Kgs	Random - 100 mg/dl	O +VE	Normal	No	Normal	14	72 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
60	Satyendra Kumar	W_0115	10/12/1990	Mechanical	07-02-2011	Good	166 cm	74 kgs	Random - 120 mg/dl	O +VE	Normal	No	Normal	12	73 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
61	Umesh Kr Chodhary	S_0003	31-10-1982	Mechanical	22-10-2010	Good	167cm	80Kgs	Random	O+VE	Normal	No	Normal	14	76min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
62	Lacchu Mahto	Turipati	28/02/1966	Operation		Good	168cm	71Kgs	Radom117 mg/dl	B+VE	Normal	No	Normal	12	88min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
63	Dev Pathak	SMC	04/03/1987	Operation	01-04-2019	Good	168cm	80Kgs	PP - 120 mg/dl	A+VE	Normal	No	Normal	12	82min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
64	Vikash Kumar Sinha	Turipati	01/03/1977	Mechanical		Good	168cm	80Kgs	Radom117 mg/dl	B+VE	Normal	No	Normal	13			S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
65	Sambhu Saw	W_0158	01-01-1982	Mechanical	05-04-2011	Good	169cm	79Kgs	Radom100 mg/dl	B+VE	Normal	No	Normal	14			S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
66	Chatlal Mahto	Turipati	01-01-1982	Mechanical		Good	168cm	78Kgs	Radom117 mg/dl	B+VE	Normal	No	Normal	12	76min	110 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
67	Bhudhan Mahto	Turipati	05-06-1985	Mechanical		Good	167cm	72Kgs	Radom103 mg/dl	B+VE	Normal	No	Normal	13	71min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
68	Vashist Mishra	M_0049	01-03-1983	Mechanical	14-02-2011	Good	167cm	78Kgs	PP - 100 mg/dl	B+VE	Normal	No	Normal	13	74min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

DR. VIVEK KUMAR
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For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Spleen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
69	Gobind Mahto	Turipati	02-03-1989	Mechanical		Good	169cm	80Kgs	PP - 90mg/dl	B+VE	Normal	No	Normal	13		110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
70	Anuj Saw	Turipati	15-01-1998	Electrical		Good	166cm	72Kgs	Radom71mg/dl		Normal	No	Normal	14	73min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
71	Ramdhani Saw	Turipati	06-03-1990	Mechanical		Good	168cm	70Kgs			Normal	No	Normal	12	71min		S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
72	MD. Sajjd	Turipati	13-01-1984	Mechanical		Good	164cm	76Kgs	PP - 107 mg	O+VE	Normal	No	Normal	13	72min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
73	Premnath Dangi	Turipati	02-04-1968	Electrical		Good	170cm	82Kgs	Radom105 mg/dl		Normal	No	Normal	13			S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
74	Mahrai Mahto	Turipati	19-04-1961	Operation		Good	158cm	72Kgs	Radom86mg/dl		Normal	No	Normal	13			S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
75	Motiram Saw	Turipati	15-04-1974	Operation		Good	168cm	74Kgs	Random - 123 mg/dl		Normal	No	Normal	14	71min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
76	Arjun Mahto	Turipati		Operation		Good	168cm	72Kgs	Radom117 mg/dl		Normal	No	Normal	14			S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
77	Subham Soni	Turipati	15-11-1994	Electrical		Good	162cm	74Kgs	Radom93mg/dl		Normal	No	Normal	12	12min		S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
78	Nanadlal Mardi	W_0203	0-10-1997	Electrical	05-09-2011	Good	166cm	76Kgs			Normal	No	Normal	13	72min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
79	OM Prakesh Sinha	M_0122		Mechanical	16-11-2015	Good	175cm	76Kgs	Radom150 mg/dl		Normal	No	Normal	13	73min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
80	Muneshwar Singh	M_0039	25/12/1975	Mechanical	12-11-2010	Good	168 cm	75Kgs	Random-88mg/dl	A +VE	Normal	No	Normal	13	74p/min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
81	Subodh Singh	E_0037	28/07/1974	Mechanical	10-11-2010	Good	172 cm	80Kgs	Random-135mg/dl	B +VE	Normal	No	Normal	13	78/min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
82	Sadanand Madam	W_0210	10/05/1989	Operation	25-11-2011	Good	174 cm	82 Kgs	Random-79mg/dl	O +VE	Normal	No	Normal	12	72/min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
83	Pradeep kumar	W_0034	23/02/1982	Mechanical	11-11-2010	Good	168 cm	70 Kgs	Random - 87 mg	B +VE	Normal	Yes	Normal	12	74/min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
84	Sewalal Saw	W_0144	28/02/1961	CPP	05-04-2011	Good	170 cm	78 Kgs	PP - 89 mg	B +VE	Normal	No	Normal	14	72/min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
85	Anil Saw	W_0152	01/01/1982	Mechanical	05-04-2011	Good	170 cm	82Kgs	Random - 93 mg/dl	AB +VE	Normal	No	Normal	13	84/min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (I/C).

Reg no - 2993.

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
86	Baljit Singh	SMC	18/04/1989	Operation	01-04-2019	Good	170 cm	70 Kgs	Random - 79 mg	A +VE	Normal	No	Normal	12	72/min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
87	Ram Singh	SMC	16/02/1982	Operation	01-04-2019	Good	166 cm	70 Kgs	Random - 89 mg	B +VE	Normal	No	Normal	13	72/min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
88	Rajkishor Karmali	W_0267	01/07/1988	Operation	01-08-2016	Good	166 cm	76 Kgs	Random - 86 mg	A +VE	Normal	No	Normal	12	74/min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
89	Sanjay Kr Updhaya	M_0158	15/11/1972	Operation	05-06-2019	Good	168 cm	86 Kgs	Random - 93 mg	B +VE	Normal	No	Normal	13	74/min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
90	Bijay Prasad	W_0125	26/02/1969	Operation	10-03-2011	Good	168 cm	76Kgs	Random - 130 mg	A +VE	Normal	No	Normal	13	74/min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
91	Piyari Mahto	W_0019	28/06/1975	Electrical	22-10-2010	Good	168 cm	80Kgs	Random-121mg	B +VE	Normal	No	Normal	13	74/min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
92	Sailendra Kumar	W_0007	21/11/1985	Electrical	20-10-2010	Good	166 cm	76 Kgs	Random - 135 mg	A +VE	Normal	No	Normal	12	78/min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
93	Vimla Devi	W_0195	16/02/1975	Office	15-07-2011	Good	166 cm	58 Kgs	Random - 95 mg	A +VE	Normal	No	Normal	13	71/min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
94	Upashi Devi	W_0107	15/12/1960	Office	01-02-2011	Good	158 cm	60 Kgs	Random - 194 mg	A +VE	Normal	No	Normal	13	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
95	Santosh Kumar	W_0269	12/04/1994	Operation	01-04-2016	Good	168 cm	80 Kgs	Random - 81 mg	B +VE	Normal	No	Normal	13	76 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
96	Pankaj Kumar Baraik	M_0143	10/05/1990	Operation	01-09-2015	Good	166 cm	72 Kgs	Random - 95 mg	O +VE	Normal	No	Normal	12	72 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
97	Ghulam Haider	E_0009	02/01/1969	Operation	02-05-2009	Good	168 cm	72 Kgs	Random-107 mg	B +VE	Normal	No	Normal	13	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
98	Wakil Pandit	W_0112	15/05/1970	Electrical	03-02-2011	Good	178 cm	80 Kgs	Random-76 mg	AB +VE	Normal	No	Normal	14	69 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
99	Rathu Mahto	M_0079	09/12/1981	Operation	01-09-2011	Good	166 cm	72 Kgs	Random-93 mg	O +VE	Normal	No	Normal	12	72 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
100	Roshan Kr Kasyap	W_0181	17/05/1990	Operation	02-05-2011	Good	168 cm	70 Kgs	Random-99 mg/dl	B +VE	Normal	No	Normal	12	74 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
101	Sanjay Thakur	M_0060	08/02/1983	Operation	05-04-2011	Good	168 cm	70 Kgs	Random-92mg/dl	B +VE	Normal	No	Normal	12	66 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
102	Chuttan Mahto	W_0216	30/10/1970	Operation	04-01-2012	Good	166 cm	70 Kgs	Random-100 mg/dl	A +VE	Normal	No	Normal	12	73 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Reg no - 2579.

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
03	Bindu Prajapati	M_0108	20/02/1985	Electrical	03-09-2013	Good	168 cm	68 Kgs	Random-107 mg/dl	O +VE	Normal	No	Normal	12	73 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
04	Suyash Kumar	M_0160	25/10/1978	Operation	27-06-2019	Good	168 cm	70 Kgs	Random-101 mg/dl	B +VE	Normal	No	Normal	13	70 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
05	Tikendra Kumar Mahto	M_0161	04/07/1990	Mechanical	01-08-2017	Good	166 cm	68 Kgs	Random-101 mg/dl	A +VE	Normal	No	Normal	12	76 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
06	Vijai Pratap Mishra	M_0097	04/02/1968	Operation	01-10-2013	Good	168 cm	78 Kgs	Random-178 mg/dl	B +VE	Normal	No	Normal	13	72 min	110 / 60 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
07	Imdad Ansari	W_0044	03/09/1985	Mechanical	15-11-2010	Good	168 cm	75 Kgs	Random - 78 mg/dl	B +VE	Normal	No	Normal	13	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
08	Jagdish Sharma	W_0171	12/08/1971	Operation	08-04-2011	Good	168 cm	70 Kgs	Random - 83 mg/dl	A +VE	Normal	No	Normal	14	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
09	Shishupal Mandal	W_0169	21/03/1981	Operation	07-04-2011	Good	166 cm	70 Kgs	Random-87 mg/dl	O +VE	Normal	No	Normal	13	73 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
10	Ramakant Mahto	M_0071	05-01-1979	Mechanical	01-06-2011	Good	168cm	78Kgs	Random-82 mg/dl	O+VE	Normal	No	Normal	13	74min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
11	Ravi Shankar Kumar	M_0167	03/01/1991	Mechanical	07-02-2020	Good	166 cm	72 Kgs	Random-90 mg/dl	O +VE	Normal	No	Normal	13	74 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
12	Awdhesh Kr Mahto	W_0129	22/11/1974	Mechanical	01-04-2011	Good	172 cm	72 Kgs	Random - 93 mg	AB+VE	Normal	No	Normal	13	78 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
13	Sunil Kumar Lohani	W_0273	01/06/1973	Operation	16-08-2017	Good	187 cm	82 Kgs	Random - 130 mg	A +VE	Normal	No	Normal	14	86 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
14	S. Nagaraju	E_0010	28-04-1979	Electrical	19-01-2009	Good	168cm	78Kgs	Random - 135 mg/dl	B +VE	Normal	No	normal	14	78 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
15	Jayant Kumar Singh	E_0029	28-07-1974	Q. C	01-09-2010	Good	174 cm	80Kgs	Random-140 mg/dl	O +VE	Normal	No	normal	14	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
16	Abhishek Anand	M_0004	01-03-1978	IT	01-02-2008	Good	164 cm	65Kgs	Random-135 mg/dl	A +VE	Normal	No	normal	12	72 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
17	Upendra Kr Pandey	M_0019	22-01-1975	P & A	17-05-2010	Good	175 cm	80Kgs	Random-140 mg/dl	O +VE	Normal	No	normal	12	72 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
18	Ajay Kumar	M_0022	14-01-1968	P & A	02-06-2010	Good	169 cm	72Kgs	Random-130 mg/dl	B+VE	Normal	No	normal	14	78 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
19	Rajesh Prasad	M_0027	05-07-1981	Operation	25-08-2010	Good	170 cm	75Kgs	Random-136 mg/dl	B +VE	Normal	No	normal	12	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Reg No -2573

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Spleen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
120	Ashok Kumar	M_0028	13-02-1985	Operation	25-08-2010	Good	174 cm	75Kgs	Random-140 mg/dl	A +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
121	Anand Kumar	M_0030	13-02-1985	Q. C.	01-09-2010	Good	168 cm	65Kgs	Random-132 mg/dl	B +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
122	Devendra Kumar	M_0159	07-07-1989	Operation	20-06-2019	Good	168 cm	60 Kgs	Random-115 mg/dl	B +VE	Normal	No	normal	12	74 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
123	Rajesh Kumar	S_0002	08-07-1987	Commercial	01-06-2010	Good	162 cm	56Kgs	Random-115 mg/dl	B +VE	Normal	No	normal	12	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
124	Laljee Singh	S_0011	18-01-1971	P & A	01-04-2011	Good	176 cm	75Kgs	Random-140 mg/dl	O +VE	Normal	No	normal	14	84 min	120 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
125	Tikendar Saw	S_0005	08-01-1980	P & A	01-01-2011	Good	168 cm	77Kgs	Random-132 mg/dl	A +VE	Normal	No	normal	12	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
126	Gouri Shankar	W_0011	15-06-1971	Mechanical	20-10-2010	Good	175 cm	75Kgs	Random-135 mg/dl	AB +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
127	Irfan Ullah	W_0037	02-02-1964	Electrical	15-11-2010	Good	165 cm	70Kgs	Random-140 mg/dl	A +VE	Normal	No	normal	15	87 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
128	Chandrasekhar Mahto	W_0046	07-01-1975	Mechanical	16-11-2010	Good	175 cm	68Kgs	Random-123 mg/dl	A +VE	Normal	No	normal	14	84 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
129	Dhyani Kr Mahto	W_0054	18-09-1989	P & A	01-01-2011	Good	168 cm	75Kgs	Random-140 mg/dl	A +VE	Normal	No	normal	13	88 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
130	Kuldip Rajak	W_0060	03-11-1984	P & A	01-01-2011	Good	162 cm	65Kgs	Random-138 mg/dl	A +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
131	Satish Munda	W_0080	18-01-1985	P & A	20-01-2012	Good	165 cm	60Kgs	Random-124 mg/dl	AB +VE	Normal	No	normal	14	78 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
132	Ravi Saw	W_0086	20-09-1960	DRI-RMHS	20-11-2011	Good	170 cm	86Kgs	Random-139 mg/dl	O +VE	Normal	No	normal	14	86 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
133	Madhusudan Mahto	W_0100	30-01-1984	Electrical	25-01-2011	Good	168 cm	70Kgs	Random-125 mg/dl	A +VE	Normal	No	normal	13	78 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
134	Rajesh Kumar Saw	W_0085	07-03-1992	Q. C.	20-01-2011	Good	158 cm	45Kgs	Random-125 mg/dl	O +VE	Normal	No	normal	12	84 min	110 / 60 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
135	Bhandu Saw	W_0084	18-07-1965	CPP	20-01-2011	Good	160 cm	50Kgs	Random-125 mg/dl	A +VE	Normal	No	normal	15	74 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
136	Sachit Kumar Saw	W_0208	05-01-1993	Q. C.	03-11-2011	Good	165 cm	72Kgs	Random-128 mg/dl	B +VE	Normal	No	normal	12	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Regd. - 2543.

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
137	Sanjib Mahto	W_0219	10-04-1988	Electrical		Good					Normal	No	normal				S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
138	Bimlesh Kumar	S_0020	15-05-1977	P & A	02-08-2011	Good	168 cm	60kgs	Random-132mg/dl	B +VE	Normal	No	normal	12	74 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
139	Mahesh Kumar Singh	S_0028	05-11-1967	P & A	01-09-2014	Good	170 cm	78Kgs	Random-140mg/dl	B +VE	Normal	No	normal	14	84 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
140	Pawan Kumar Singh	W_0001	19-03-1984	Electrical	01-10-2010	Good	170 cm	75Kgs	Random-140mg/dl	A +VE	Normal	No	normal	13	80 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
141	Seraj Ansari	W_0003	23-04-1980	Electrical	01-10-2010	Good	169 cm	70Kgs	Random-135 mg/dl	O +VE	Normal	No	normal	13	78 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
142	Praveen Kr Mahto	W_0023	15-01-1976	E & I	22-10-2010	Good	176 cm	80Kgs	Random-123 mg/dl	B +VE	Normal	No	normal	12	80 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
143	Mukesh Kr Mahto	W_0022	19-01-1982	Mechanical	22-10-2010	Good	175 cm	70Kgs	Random-125 mg/dl	B +VE	Normal	No	normal	12	78 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
144	Ganesh Ch. Thakur	W_0012	25-11-1971	Mechanical	20-10-2010	Good	175 cm	76Kgs	Random-140 mg/dl	B +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
145	Rahul Jaiswal	M_0162	08-09-1995	Q. C.	03-02-2020	Good	175 cm	65Kgs	Random-120 mg/dl	O +VE	Normal	No	normal	12	74 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
146	Saurabh Raj	M_0163	25-08-1996	DRI-RMHS	03-02-2020	Good	169 cm	60Kgs	Random-125 mg/dl	B - VE	Normal	No	normal	12	74 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
147	Upendra Kumar	W_0021	01-01-1988	DRI-RMHS	22-10-2010	Good	165 cm	60Kgs	Random-122 mg/dl	B +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
148	Yugeshwar Rajak	W_0017	14-05-1969	Operation	20-10-2010	Good	172 cm	68Kgs	Random-139 mg/dl	O +VE	Normal	No	normal	14	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
149	Rajiv Kumar Gupta	W_0010	01-02-1975	Operation	20-10-2010	Good	164 cm	60Kgs	Random-125 mg/dl	O +VE	Normal	No	normal	12	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
150	Shailendra Kumar	W_0007	21-11-1983	Electrical	20-10-2010	Good	169 cm	60Kgs	Random-122 mg/dl	A +VE	Normal	No	normal	13	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
151	Birendra Nath Mahto	W_0005	16-11-1988	DRI-RMHS	20-10-2010	Good	165 cm	68Kgs	Random-125mg/dl	O +VE	Normal	No	normal	12	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
152	MD. Aftab Alam	W_0004	25-01-1992	Electrical	01-10-2010	Good	168 cm	80Kgs	Random-119mg/dl	B +VE	Normal	No	normal	14	88 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
153	Abhishek Kumar	M_0165	26-03-1999	DRI-RMHS	04-02-2020	Good	160 cm	56Kgs	Random-115mg/dl	AB +VE	Normal	No	normal	12	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Regno - 2893.

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
154	Loknath Sarmah	M_0168	30-11-1995	Mechanical	10-02-2020	Good	162 cm	58Kgs	Random-138mg/dl	O +VE	Normal	No	normal	12	72 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
155	Ajit Kumar Singh	S_0001	20-01-1985	Commercial	01-01-2010	Good	172 cm	75Kgs	Random-139mg/dl	O +VE	Normal	No	normal	13	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
156	Ashok Kumar Malik	S_0024	02-07-1980	Commercial	01-07-2013	Good	165 cm	66Kgs	Random-124mg/dl	O +VE	Normal	No	normal	12	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
157	Debabrata Samanta	S_0004	03-01-1982	Electrical	27-10-2010	Good	166 cm	59Kgs	Random-138mg/dl	O +VE	Normal	No	normal	12	79 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
158	Sunil Kumar Mehta	W_0018	01-01-1982	E & I	21-10-2010	Good	169 cm	52Kgs	Random-114mg/dl	O +VE	Normal	No	normal	14	79 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
159	Ranjan Singh	W_0099	12-01-1974	E & I	25-01-2011	Good	168 cm	62Kgs	Random-137mg/dl	B +VE	Normal	No	normal	12	74 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
160	Sanjay Sharma	W_0093	03-02-1980	Mechanical	21-01-2011	Good	169 cm	66Kgs	Random-133mg/dl	A +VE	Normal	No	normal	14	80 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
161	Pradeep Kr Yadav	W_0114	06-10-1984	E & I	07-02-2011	Good	166 cm	65Kgs	Random-120mg/dl	O +VE	Normal	No	Normal	14	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
162	Dharmendra Vishwakarma	W_0123	20-08-1983	CPP	08-03-2011	Good	175 cm	72Kgs	Random-132mg/dl	O +VE	Normal	No	Normal	13	74 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
163	Ashok Kumar	W_0148	18-02-1984	Mechanical	05-04-2011	Good	162 cm	60Kgs	Random-140mg/dl	A +VE	Normal	No	Normal	12	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
164	Telenga Bara	W_0127	15-03-1991	CPP	14-03-2011	Good	165 cm	61Kgs	Random-123mg/dl	B +VE	Normal	No	Normal	13	78 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
165	Niranjan Saw	W_0136	22-09-1968	Mechanical	05-04-2011	Good	168 cm	66Kgs	Random-142mg/dl	O +VE	Normal	No	Normal	13	77 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
166	Suita Saw	W_0147	05-03-1975	Mechanical	05-04-2011	Good	162 cm	80Kgs	Random-135mg/dl	A +VE	Normal	No	normal	15	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
167	Anamul Ansari	W_0132	15-08-1984	CHP	01-04-2011	Good	162 cm	59Kgs	Random-116mg/dl	O +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
168	Sahdew Karmakar	W_0131	12-01-1974	CHP	01-04-2011	Good	165 cm	82Kgs	Random-134mg/dl	B +VE	Normal	No	normal	14	87 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
169	Ramkishor Gope	W_0128	22-01-1989	CHP	01-04-2011	Good	168 cm	72Kgs	Random-136mg/dl	A +VE	Normal	No	normal	12	78 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
170	Pradeep Gorai	W_0146	05-11-1984	Operation	05-04-2011	Good	164 cm	55Kgs	Random-122mg/dl	A +VE	Normal	No	normal	12	74 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L

Reg no - 2543.

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
171	Sawan Saw	W_0135	15-08-1989	Operation	05-04-2011	Good	165 cm	59Kgs	Random-135mg/dl	A +VE	Normal	No	normal	14	78 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
172	Sulendra Mahto	W_0151	06-01-1992	Mechanical	05-04-2011	Good	168 cm	60Kgs	Random-123mg/dl	B +VE	Normal	No	normal	12	74 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
173	Mahabir Kr Mahto	W_0153	10-02-1992	Mechanical	05-04-2011	Good	168 cm	70Kgs	Random-125mg/dl	A +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
174	Jagdish Saw	W_0172	01-01-1981	Mechanical	09-04-2011	Good	175 cm	65Kgs	Random-136mg/dl	B +VE	Normal	No	normal	15	84 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
175	Sunil Munda	W_0190	15-04-1977	DRI-RMHS	18-05-2011	Good	165 cm	66Kgs	Random-125mg/dl	O +VE	Normal	No	normal	13	84 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
176	Sakendra Kumar	W_0197	15-02-1982	DRI-RMHS	05-08-2011	Good	168 cm	62Kgs	Random-125mg/dl	O +VE	Normal	No	normal	12	72 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
177	Rajesh Saw	W_0161	12-03-1990	DRI-RMHS	05-04-2011	Good	169 cm	60Kgs	Random-121mg/dl	O +VE	Normal	No	normal	12	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
178	Karma Saw	W_0165	18-06-1988	DRI-RMHS	05-04-2011	Good	164 cm	62Kgs	Random-139mg/dl	A +VE	Normal	No	normal	14	86 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
179	Satyanarayan Singh	W_0183	02-03-1986	DRI-RMHS	04-05-2011	Good	169 cm	80Kgs	Random-139mg/dl	AB +VE	Normal	No	normal	14	86 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
180	Bharat Prasad	W_0179	15-07-1972	Mechanical	02-05-2011	Good	168 cm	65Kgs	Random-142mg/dl	O +VE	Normal	No	normal	14	87 min	140 / 100 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
181	Sunil Kumar	W_0191	15-03-1978	E & I	23-05-2011	Good	169 cm	62Kgs	Random-124mg/dl	B +VE	Normal	No	normal	12	76 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
182	Pancham Saw	W_0193	01-01-1974	CPP	01-07-2011	Good	163 cm	80Kgs	Random-124mg/dl	O +VE	Normal	No	normal	14	89 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
183	Chaman Saw	W_0192	01-01-1982	CPP	01-07-2011	Good	168 cm	78Kgs	Random-138mg/dl	A +VE	Normal	No	normal	12	80 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
184	Manu Saw	W_0160	15-03-1990	DRI-RMHS	05-04-2011	Good	160 cm	50Kgs	Random-111mg/dl	B +VE	Normal	No	normal	13	78 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
185	Manoj Saw	W_0156	01-12-1980	DRI-RMHS	05-04-2011	Good	161 cm	52Kgs	Random-105mg/dl	A +VE	Normal	No	normal	13	84 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
186	Umesh Saw	W_0162	15-08-1970	DRI-RMHS	05-04-2011	Good	162 cm	75Kgs	Random-125mg/dl	O +VE	Normal	No	normal	14	74 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
187	Thaknu Saw	W_0157	31-01-1972	DRI-RMHS	05-04-2011	Good	160 cm	57Kgs	Random-138mg/dl	O +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Reg no.-3193

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.I

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED

WORKS: - VILLAGE-KAMTA, BLOCK-GOLA, DISTT-RAMGARH-829210(JHARKHAND)

REPORT OF MEDICAL EXAMINATION

Sl. No.	Name of the employee	Token No.	DOB	Nature of Job	DOJ	General Survey			Blod Analysis		Eye Vision		Hearing	Respiration Rate / Min	Cardovascular System			Abdomen Tenderness	Liver	Splen	Nervous System		Locomotor System	Skin Condition	Hernia	Hydrocele
						Health	Height	Weight	Sugar	Group	Status	Use of Glass	Normal / Abnormal		Pulse Rate	Blood Pressure	Heart Sound				History of Fit	Epilepsy				
188	Tikeshwar Karmali	W_0064	18-10-1966	Operation	20-01-2011	Good	165 cm	65Kgs	Random-140mg/dl	O +VE	Normal	No	normal	14	88 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
189	Atul Kumar Saw	W_0164	26-02-1989	DRI-RMHS	05-04-2011	Good	172 cm	73Kgs	Random-125mg/dl	A+VE	Normal	No	normal	13	78 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
190	Nandlal Mardi	W_0203	05-10-1987	Electrical	05-09-2011	Good	165 cm	52Kgs	Random-133mg/dl	A+VE	Normal	No	normal	13	78 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
191	Ranjit Saw	W_0206	01-01-1984	SMS	03-11-2011	Good	165 cm	63Kgs	Random-140mg/dl	A+VE	Normal	No	normal	14	86 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
192	Vishwanath Saw	W_0073	02-07-1985	DRI	20-01-2011	Good	165 cm	62Kgs	Random-128mg/dl	A+VE	Normal	No	normal	12	77 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
193	Khushilal Saw	W_0070	01-01-1980	Mechanical	20-01-2011	Good	169 cm	59Kgs	Random-125mg/dl	O +VE	Normal	No	normal	12	74 min	130 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
194	Nimu Karmali	W_0083	26-04-1985	Operation	20-01-2011	Good	162 cm	55Kgs	Random-126mg/dl	A +VE	Normal	No	normal	12	72 min	120 / 80 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
195	Mukesh Kumar Saw	W_0207	15-05-1991	SMS	03-11-2011	Good	170 cm	66Kgs	Random-131mg/dl	A +VE	Normal	No	normal	12	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
196	Adra Saw	W_0138	03-07-1967	DRI-RMHS	05-04-2011	Good	169 cm	76Kgs	Random-132mg/dl	O +VE	Normal	No	normal	12	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
197	Subedar Saw	W_0143	30-04-1974	DRI-RMHS	05-04-2011	Good	168 cm	62Kgs	Random-117mg/dl	O +VE	Normal	No	normal	14	78 min	110 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
198	Deepak Saw	W_0139	18-01-1971	DRI	05-04-2011	Good	160 cm	65Kgs	Random-142mg/dl	O +VE	Normal	No	normal	14	87 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
199	Ramesh Saw	W_0141	08-01-1975	DRI	05-04-2011	Good	161 cm	70Kgs	Random-140mg/dl	O +VE	Normal	No	normal	14	78 min	130 / 90 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA
200	Nilkanth Saw	W_0252	15-06-1981	Electrical	01-02-2014	Good	168 cm	63Kgs	Random-112mg/dl	B +VE	Normal	No	normal	12	74 min	120 / 70 mm of hg	S1 S2 Heard	No	Normal	Normal	No	No	Normal	Normal	NA	NA

Regno - 2573.

DR. VIVEK KUMAR
M.B.B.S. DCH
Medical Officer (M.O.)B.M.L

For Brahmaputra Metallics Limited

Director

BRAHMAPUTRA METALLICS LIMITED
POLLUTION EQUIPMENT EXP

SL NO.	PARTICULARS	PLANT	CAPITAL	RECURRING
1	WELLTECH ENVIRONMENTAL ENGINEERING PVT LTD	DRI	**₹ 2,70,10,354.00**	
2	WELLTECH ENVIRONMENTAL ENGINEERING PVT LTD	SMS	**₹ 1,04,57,183.00**	
3	WELLTECH ENVIRONMENTAL ENGINEERING PVT LTD	DRI COMMISSION WORK	**₹ 22,49,828.00**	
4	WELLTECH ENVIRONMENTAL ENGINEERING PVT LTD	SMS COMMISSION WORK	**₹ 4,79,750.00**	
5	POLLUTION CONTROL BOARD FEE	ALL PLANT		**₹ 21,92,956.00**
6	ESP FOR WHRB AND AFBC	CPP & DRI	**₹ 3,00,00,000.00**	
7	ONLINE CONTINUOUS STACK MONITORING SYSTEM	CPP	**₹ 7,12,493.00**	
8	EEFFLUENT TREATMENT PLANT-150KLD	CPP	**₹ 9,67,500.00**	
9	SO2 ANALYSER(WITH DATA TRANSMISION CHG + HEATED TEFLON TUBE)	CPP	**₹ 21,25,292.00**	
10	SHREE KRISHNA TUBE-GI PIPE-WATER SPRINKLER	PLANT	**₹ 3,84,641.00**	
11	ONLINE MONITORING SYSTEM EQUIP	CPP	**₹ 2,50,908.00**	
12	PELTIER PROBE	CPP	**₹ 2,18,025.00**	
13	ULTRASONIC LEVEL TRANSMITTER	CPP	**₹ 77,800.00**	
14	DATA TRANSMISION FOR ONLINE ETP	CPP		**₹ 1,47,972.00**
15	AMC FOR SO2 ANALYSER	CPP		**₹ 1,47,500.00**
16	REPAIR CHARGES OF SO2 ANALYSER	CPP		**₹ 28,420.00**
17	REPAIR CHARGES OF SO2 ANALYSER	CPP		**₹ 2,20,400.00**
18	PM-10 SO2 ANALYSER	CPP	**₹ 10,54,920.00**	
19	DISPLAY FOR POLLUTION MEASUREMENT	CPP	**₹ 1,67,029.00**	
20	ENVIRONMENTAL COMPENSATION	GENERAL		**₹ 6,60,000.00**
21	RAIN WATER HARVESTING	GENERAL	**₹ 5,65,168.00**	
22	GREEN BELT DEVELOPMENT	GENERAL	**₹ 10,44,657.00**	**₹ 39,87,291.00**
23	ENVIRONMENTAL LAB	GENERAL	**₹ 2,00,972.82**	
Total			**₹ 7,79,66,520.82**	**₹ 73,84,539.00**
GRAND TOTAL		**₹ 8,53,51,059.82**		

For Brahmaputra Metallics Limited

Director

From V
(see Rule 14)

COMBINED – EXISTING (DRI & CPP) AND EXPANSION (BILLETS) UNIT
*Environmental Statement for the financial year ending the **31st March 2021.***

PART-A

1) Name & Address of the Owner /Occupier: ***Brahmaputra Metallics Ltd., Kamta, Gola, Ramgarh.***

2) Industry category (SSI Code): ***Primary – Iron & Steel with Power***

3) Production capacity (Units): ***Sponge Iron – 350 TPD & Power – 20 MW & Billets – 600 TPD***

4) Date of the last environmental statement: ***June 2020.***

5) Year of establishment: ***2010-11***

PART- B

Water and Raw Materials Consumption **2405** ***KLD***

Process: **1600** ***KLD***
Cooling/(Others Sprinkling): **800** ***KLD***
Domestic: ***5 KLD***

Name of the Products	Process water consumption per unit of Product output	
	During the previous Financial year	During the current financial year(2020-21)
(1) ***Sponge Iron***	***Cooling –1.049 KL/T***	***Cooling – 1.050 KL/T***
(2) ***Power***	***3.50 KL / MW***	***3.50 KL / MW***
(3) ***Billets***	***Cooling – 1.076 KL/T***	***Cooling – 1.206 KL/T***

(ii) Raw Material Consumption

Name of Material	Name of Product	Consumption of raw material per Unit of product output	
		During the previous financial year	During the current financial year(2020-21)
Iron Ore/Pellets	***Sponge Iron***	***1.548 T/T***	***1.605 T/T***
Coal		***1.251 T/T***	***1.579 T/T***
Dolo/Limest		***0.064 T/T***	***0.0411T/T***
Coal & Fines	***Power***	***0.470 T/MW***	***0.587 T/MW***
Dolochar		***0.268 T/MW***	***0.234T/MW***
Sponge Iron		***1.050 T/T***	***1.1135 T/T***
Pig Ir/Scrap, pooled, Billets		***0.031T/T***	***0.1638 T/T***
Recovery slag			
Ferro Alloys/Si.Mn		***0.011 T/T***	***0.0153 T/T***

Industry May use code if discharge details of Raw Materials would violate contractual obligation, otherwise and industries have to name the raw materials.

For Brahmaputra Metallics Limited

Director

PART-C

Discharged in the Environment unit Output
(Parameter as certified in the consent issued)

1. Pollutants	Quantity of pollutants discharged (Mass/day)	concentrations of pollution in discharged (mg/m^3)	Variation from prescribed Std. with reasons
(a) Water	***Nil***	***Nil***	***No industrial effluent discharge***
(b) Air	***Particulate Matter***	***<50mg/Nm^3***	***Monitoring done by recognized lab enclosed***

PART-D

(As specified under Hazardous Waste/Management and Handling Rules,1989)

Hazardous Waste	Total Quantity(Kg.)	
	During the previous Financial year	During the current financial year(2017-18)
(a) From Process	***Used Oil – 0.40 KL***	***Used Oil – 0.40 KL (From machineries)***
(b) From pollution Control Facilities	***Nil***	***Nil***

PART-E

Solid Waste

	Total Quantity (Kg.)	
	During the previous Financial year	During the current financial year(2020-21)
(a) From Process	***Dolochar – 34115.00 T***	***Dolochar –28323.00 T***
	Slag – 30799.11 T	***Slag – 28206.96 T***
(b) From Pollution Control Facilities	***Fly ash –100319T***	***Fly ash –87082T***
	Dust – 15722 T	***Dust - 14583 T***
(c) Quantity recycled or re-utilized Within the unit (CPP & Road)	**47390.00** ***T***	***40423.00 T***
(ii) Sold /Disposed	**3735.26** ***T***	***145390.89 T***
(iii) Disposed	**77710.15*T***	***6545.00T(Fly Ash for road filling and dust to Agarbatti Manufacturer.)***

For Brahmaputra Metallics Limited

Director

PART-F

Please specify the characterization (in the term of consumption and quantity) of Hazardous as well as solid waste and disposal practice adapted for both these Categories of waste.

No Hazardous waste is generated in any process. All spent oil is used for gear and CCM lubrication. Generation in FY 0.4KL used in house in lighting of furnace.

Solid waste generated Dolochar – reused for power generation. PCS dust recycled to raw materials or supplied to Agarbatti manufacturers. Fly ash sent for Raod construction.

No disposal of any hazardous waste / solid waste outside the premises

PART-G

Impact of the pollution abatement measures taken on conservation of natural resource and on production

Latest technology available for the plant has implemented to conserve resources. Optimization of production vis-à-vis raw material consumption

The de-dusting equipment have been installed by the leading organization of India in Air Pollution Control Devices. All the units have been designed to meet the latest standards.

AAQ and other emissions are within the norms.

PART-H

Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Plantation done and continued. All dedusting equipments are cleaned and being maintained at regular intervals to work at the rated efficiency to arrest the pollutants.

Rain Water harvesting implemented within the premises as approved by GWD, GOJ. Water kept in closed circuit and waste water used for horticulture.

Rs. 4.509 Lacs spent during the financial year 2020-21 for maintenance of the pollution control equipment and environment management system.

PART-I

Any other particulars for improving the quantity of the environment.

"We have done plantation and are being maintained for cleaner environment within the campus and naturally the nearby the environment also."

For Brahmaputra Metallics Limited

Director

COMPLIANCE REPORT OF NOC FROM JSPCB – REF. NO. 14732, DATED – 18.11.09

FOR M/s. BRAHMAPUTRA METALLICS LIMITED

Sl.no	CONDITION	COMPLIANCE/ STATUS
i)	That, the proponent shall obtain consent to operate from State Pollution Control Board under section 25 &26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control) Act, 1981 prior to commissioning of the plant.	Complied.
ii)	That, the proponent shall install water meter to measure the water to be consumed for different purposes to meet the requirement of the water, furnish returns of water to be consumed and pay water-cess under the Water (Prevention & Control of Pollution) Cess Act, 1977.	Complied. Water meter installed in outlet of bore wells. Pipe line from river and installation of water meter in the same also installed. Water Cess returns filed regularly and Cess as applicable will be paid.
iii)	That, the proponent shall obtain authorization under the Hazardous Waste (Management, Handling & Transboundary) Rules,2008, the Bio-medical Waste (Management & Handling Rules, 1998 and the Municipal Solid Waste (Management & Handling) Rules, 2000 whichever is applicable. The wastes shall be disposed off in the manner as specified in respective Rules.	Being complied. Authorization obtained and further renewal applied in time under Hazardous & Other Wastes (Management Handling & Transboundary Movement) Rules 2016.
iv)	That, the proponent shall abide by the provisions of Environment (Protection) Act, 1986 and shall maintain the quality of effluent of effluent, emission, ambient air quality and noise level in conformity with the standard prescribed in the Environment (Protection) Rules, 1986.	Being Complied. Provisions of Act as applicable are being complied. All the effluent, emission, ambient air quality and noise level will be maintained within the prescribed limits of the Act.
v)	That, the proponent shall install continuous online monitoring equipments for SOx, NOx and particulate matters with facility to transmit data to Jharkhand State Pollution Control Board, Head Office, Ranchi.	Application only for Billets unit. No fuel used only electrical induction heating. Not applicable for billets section. Installed for DRI & CPP section.
vi)	That, the proponent shall collect and treat the effluent in foolproof latest system and shall recycle treated effluent to the system for reuse and shall ensure the discharge of effluent (if at all necessary) in upstream of the water intake point.	Complied. 4 nos. tank constructed for recirculation of water.

For Brahmaputra Metallics Limited

Director

vii)	That, the proponent shall make stacks(s) of the proper height and with the provision (s) of emission monitoring port hole(s), ladder(s) and platforms(s) as prescribed by the Central Pollution Control Board.	Complied. Stack height of 30 m after Fume Extraction and Bag Filter system provided with the provision (s) of emission monitoring port hole(s), ladder(s) and platforms(s) as prescribed by the Central Pollution Control Board.
viii)	That, the proponent shall ensure continuous and uninterrupted power supply with provision of separate energy meters for the pollution control systems to enable the pollution control systems to function uninterruptedly.	Complied. Continuous and uninterrupted power supply insured in all systems. Separate energy meter installed.
ix)	That, the proponent shall submit the reports of Effluent, Emission, Ambient air quality and Noise level monitored before and after commissioning of the plant.	Complied. Monitoring reports as required submitted for before commissioning and will be submitted for after commissioning.
x)	That, the proponent shall use D.G. set(s) of standard as prescribed in the Environment (Protection) Rules, 1986 and shall house it (them) in integral acoustic enclosure (s) and shall keep the height of exhaust pipe as per Central Pollution Control Board norms.	Complied. Silent type D G sets have already been installed as per the conditions and exhaust pipe raised as per CPCB norms.
xi)	That, the proponent shall install fixed type water sprinkles to cover all the dusty places in the premises to impart water spraying intermittently and during loading and unloading of raw materials and wastes.	Complied. Fixed type water sprinklers installed in dusty areas of the plant to suppress fugitive emissions. Water Tankers are used to control emission.
xii)	That, the proponent shall do tree plantation in vacant land within the premises.	Being complied. Plantation done and continued. 33% of project will be under green belt/green cover.
xiii)	That, the proponent shall implement plan of rainwater harvesting with establishment of the project and that should be approved by the Directorate of Ground Water Authority, Govt. of Jharkhand.	Being complied. Rain water harvesting plan is being implemented. Detailed RWH plan approved by Directorate Ground Water, GOJ.
xiv)	That, the proponent shall install adequate air pollution control devices such as ESP, dust catcher/cyclone separator/ Bag filters/ Venturi Scrubber/ etc. and water spraying system in dusty areas such as coal handling, ash handling points and transfer areas shall be provided.	Complied. Fume extraction and bag filter system installed to meet 50 mg/Nm3 installed prior to commissioning of the plant.
xv)	That, the proponent shall install Electrostatic Precipitator (ESPs) to ensure particulate emission below 100 mg/Nm^3.	Not applicable to Induction Furnace system. However Fume extraction and bag filter system installed to meet 50 mg/Nm3
xvi)	That, the proponent shall do regular monitoring of ground water in and around the ash pond area and submit the report to the Board regularly.	No ash pond. Monitoring reports as required for ground water submitted for before commissioning

For Brahmaputra Metallics Limited

Director

xvii)	That, the proponent shall make all roads pucca within the premises and shall maintain a good house keeping by regular cleaning and wetting of the roads and dust prone areas.	Complied. Road in the plant premises made by filling moorum
xviii)	That, the proponent shall store all raw materials and products under shed and shall as far as practicable do their processing and transfer under foolproof cover.	Complied. All raw materials, processing and product of induction furnace kept within foolproof cover shed.
xix)	That, the proponent shall start activities at the site after obtaining Environmental Clearance and Forest Clearance from Government of India, Ministry of Environment & Forest, New Delhi.	Complied. All activities started at the site after obtaining Environmental Clearance Government of India, Ministry of Environment & Forest, New Delhi.
xx)	That, the proponent shall do socio-economic works in nearby villages for their welfare and shall pay due compensation to the effective people as per laws and government scheme.	Being implemented. CSR activities regularly taken up in the area. Compensation if any shall be paid as per laws and government scheme.
xxi)	That, the proponent shall not alter the flow path or course of any river or stream or water body without prior permission from the competent authority.	No such activity envisaged.
xxii)	That, the proponent shall implement all pollution control measures recommended in EIA/EMP and Environmental Clearance.	As directed and recommended – being implemented.
xxiii)	That the proponent shall use fly-ash and or fly ash bricks in construction of the project and the fly ash generated from the power plant shall be disposed off as per the provision of the fly-ash notification 1999. An Action Plan shall submitted within three months for 100% utilization of fly-ash in different purposes including cement industy. Fly-ash shall be collected in dry form and storage facility (Silos) shall be provided.	Complied. Construction of Induction furnace section completed. Fly ash bricks used. No fly ash generation from the induction furnace section. Fly ash generated from other sections after erection commissioning of the same will be handled as per norms. Fly ash Presently being disposed for Road construction work through the contractor.
xxiv)	That, the proponent shall kept the waste water in close circuit.	Complied. Water kept in closed circuit. Waste water reused with the premises.
xxv)	That, the proponent shall transport all raw materials and wastes by covered means.	Complied. All trucks and conveyors covered.
xxvi)	That, the proponent shall adopt clean development mechanism.	Good house keeping followed. Units involving clean mechanism will be installed.
xxvii)	That, the proponent shall implement recommendations of CREP.	Complied. Equipments and procedure of CREP already implemented and followed.

For Brahmaputra Metallics Limited

Director

JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-7015063/2020/1272 Dated : 2020-08-10

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2020-05-09 of Brahmaputra Metallics Limited, Occupier Name :Kumud Prasad Sahu for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..

2. Documents Relied Upon:

(a) The content of Environmental Clearance (EC), vide ref. no. J-11011/285/2008-I(A).II(I), dated. 29.03.2011;

(b) The content of Consent to Establish (CTE) (latest), vide Ref. No. 3338, dated. 31.07.2010 of JSPCB, Ranchi;

(c)The content of Consent to Operate (CTO),Ref. No. 310 Dated : 13.02.2018 JSPCB, Ranchi for the period upto 31.03.2020.

(d) The content of IR, vide ref. no.
(i) 205, dated 05.02.2020;
(ii) vide memo no. 443, dated 13.03.2020.

(e) The content of authorization under Hazardous waste valid for the period upto 30.10.2020.

(f) The content of self certificate regarding
(i) procurement of raw material from valid sources;
(ii) no expansion/modification in the plant;
(iii) adjustment of fee from previously submitted CTO applicaiton.

(h) The content of land deed.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Kamta , P S -Kamta , District -RAMGARH , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To

For Brahmaputra Metallics Limited

Director

Before Expansion	As per EC	20.24 Ha (As per previous CTO))	294.61 Crore (As per application)	Sponge Iron - 1,05,000 TPA; Billets 2,00,000 TPA ;Power 20 MW; Fly Ash Bricks - 24 Lacs Bricks/year (as per previous CTO and application)	31/03/2023

(A) Specific Conditions:

1. That, the occupier shall operate and maintain online stack emission monitoring system for particulate matter with connectivity to Jharkhand State Pollution Control Board server and unit shall ensure the data transfer to JSPCB and CPCB server.

2. That, the occupier shall maintain the SO2 analyzer within one month and shall ensure the data transfer to JSPCB and CPCB server.

3. That, the occupier shall dispose off/utilize Coal Char fully & its records should be maintained and shall be submitted to the Board quarterly.

4. That, the occupier shall submit performance evaluation report of pollution control devices and equipment's to the Board within consent period.

5. That, the occupier shall operate the plant with operation of all pollution control equipment's.

6. That, the occupier shall provide information regarding shut down of Air Pollution Control Device and plant within 24 hrs. to the Board.

7. That, the occupier shall cover the coal char with wire mesh and keep it within boundary wall and shall submit the photograph of the same as an evidence to the Board.

8. That, the occupier shall maintain & operate fixed type water sprinkler at all dusty places inside the plant.

9. That, the occupier shall make adequate provision for dust extraction system at potential sources such as jaw crusher hopper, transfer points of materials from conveyor belt, distintegrators, etc.

10. That, the occupier shall construct and maintain the height of stack minimum 2 meter above the roof level as prescribed by the Board.

11. That, the occupier shall make provision for Closed Circuit Television (CCTV) camera rather than keeping small openings in shed for frequent observations and sheds should be provided for plant process machineries/ APCD's.

12. That, the occupier shall pay the cost of transportation of ash used for road construction projects or for manufacturing of ash based products or use as soil conditioner in agriculture activity within a radius of

For Brahmaputra Metallics Limited

Director

hundred kilometers from the TPP and the cost of transportation beyond the radius of hundred kilometers and up to three hundred kilometers shall be shared equally between the user and the TPP.

13. That, the occupier shall adopt the system of the telescopic chute/any other system to reduce the fugitive emission while loading the products into trucks/fine dust in the bags.

14. That, the occupier shall make provision of Personal Protective Equipment (dust mask, helmet, safety shoes, goggles, ear plugs) and ensure their utilization by all the workers during operation of the plant.

15. That, the occupier shall comply all the provisions mentioned in MoEF notification no. GSR 414 (E), dated. 30.05.2008 prescribed in Section 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986) and its guideline/code of practice for pollution prevention for Sponge Iron Plants.

16. That, the occupier shall pay the entire cost of transportation of ash used for Government Schemes such as road construction projects under Pradhan Mantri Gramin Sadak Yojna, other similar asset creation programmes of the Government involving construction of buildings, road, dams and embankments within a radius of three hundred kilometers.

17. That, the occupier shall provide compliance status of provisions mentioned in Fly Ash Notification, 1999 and further amendments to the CPCB and SPCB as annual implementation report (for the period 1st April to 31st March) by 30th day of April on successive years.

18. That, the occupier shall all the conditions as mentioned in EC and CTO and submit the compliance report of the same alongwith all the requisite documents on periodical basis to the Board and other organizations as per provision.

19. That, the occupier shall operate and maintain air pollution control devices such as ESP, Fume extraction system and bag filters attached to different sections regularly and submit its compliance report to the Board.

20. That, this CTO is valid subject to compliance of all the conditions mentioned in EC.

21. That, the occupier shall submit applications for renewal of consent under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent with requisite fee and documents showing compliance of all of the above conditions.

22. That, this CTO supersedes the CTO granted vide ref. no. JSPCB/HO/RNC/CTO-1280911/2018/310, dated 13.02.2018.

(B) General Conditions :

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

For Brahmaputra Metallics Limited

Director

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO2), µg/m3	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO2), µg/m3	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM10, µg/m3	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM2.5, µg/m3	Annual 24 hours	40 60	40 60
5.	Ozone(O3), µg/m3	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m3	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m3	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH3) µg/m3	Annual 24 hours	100 400	100 400
9.	Benzene (C6H6) µg/m3	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m3	Annual	01	01
11.	Arsenic (As) ng/m3	Annual	06	06
12.	Nickel (Ni) ng/m3	Annual	20	20

Note : Serial no. 1 to 4 – Mandatory
Serial no. 5 to 12 As applicable for specific type of industry.

For Brahmaputra Metallics Limited

Director

(2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	150 mg/Nm3
2	Sulphur Dioxide	80 mg/Nm3
3	Oxides of Nitrogen	80 mg/Nm3

(3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

(4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

(5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.

(6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.

(7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

(8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.

For Brahmaputra Metallics Limited

Director

(9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

(10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.

(11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.

(12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.

(13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.

4. That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.

5. That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.

6. The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.

7. The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.

This is issued with the approval of the Competent authority

RAJEEV LOCHAN BAKSHI
Digitally signed by RAJEEV LOCHAN BAKSHI
Date: 2020.08.10 11:32:08 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

Memo No. : JSPCB/HO/RNC/CTO-7015063/2020/1272

Dated : 2020-08-10

Copy to: Sri Kumud Prasad Sahu, M/s Brahmaputra Metallics Limited, Village - Kamta, P.O - Gola, Dist - Ramgarh/ Director of Industry, Government of Jharkhand, Ranchi/ Deputy Commissioner, Ramgarh/ Director of Mines, Government of Jharkhand, Ranchi/ Chief Inspector of Factories, Ranchi/ DFO, Ramgarh/ DMO, Ramgarh/ R O,JSPCB, Hazaribagh /for information & ensuring compliance of the above.

RAJEEV LOCHAN BAKSHI
Digitally signed by RAJEEV LOCHAN BAKSHI
Date: 2020.08.10 11:33:50 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

For Brahmaputra Metallics Limited

Director

M/S BRAHMAPUTRA METALLICS LIMITED Village – Kamta, Block – Gola, District – Ramgarh, Jharkhand - 829110		
COMPLIANCE REPORT OF		
CONSENT TO OPERATE-REF NO JSPCB/HO/RNC/CTO-7015063/2020/1272, Dated 10-08-2020		
SPECIFIC CONDITIONS		Compliance
1	That, the occupier shall operate and maintain online stack emission monitoring system for particulate matter with connectivity to Jharkhand State Pollution Control Board server and unit shall ensure the data transfer to JSPCB and CPCB server.	Online Monitoring System for Stack emission maintain and data being transferred to JSPCB and CPCB.
2	That, the occupier shall maintain the SO2 analyzer within one month and shall ensure the data transfer to JSPCB and CPCB server.	Complied. SO2 analyzer installed and data is being transferred to JSPCB and CPCB servers.
3	That, the occupier shall dispose off/utilize Coal Char fully & its records should be maintained and shall be submitted to the Board quarterly	Coal Char generated from the DRI plant is fully utilized in CPP for power generation. Records are maintained
4	That, the occupier shall submit performance evaluation report of pollution control devices and equipment's to the Board within consent period.	Pollution control devices are working satisfactory as per online monitoring data transferred to the Board.
5	That, the occupier shall operate the plant with operation of all pollution control equipment's.	Complied.
6	That, the occupier shall provide information regarding shut down of Air Pollution Control Device and plant within 24 hrs. to the Board.	Being complied.
7	That, the occupier shall cover the coal char with wire mesh and keep it within boundary wall and shall submit the photograph of the same as an evidence to the Board	Coal Char is fully utilized in power plant. Rest covered with Tarpoline (photograph attached) as well as water sprinkling done to arrest fugitive dust
8	That, the occupier shall maintain & operate fixed type water sprinkler at all dusty places inside the plant	Fixed water sprinklers installed and maintained.

For Brahmaputra Metallics Limited

Director

9	That, the occupier shall make adequate provision for dust extraction system at potential sources such as jaw crusher hopper, transfer points of materials from conveyor belt, distintegrators, etc	Dust extraction system with bag filters installed at all fugitive emission sources.
10	That, the occupier shall construct and maintain the height of stack minimum 2 meter above the roof level as prescribed by the Board	Complied
11	That, the occupier shall make provision for Closed Circuit Television (CCTV) camera rather than keeping small openings in shed for frequent observations and sheds should be provided for plant process machineries/ APCD's	Complied
12	That, the occupier shall pay the cost of transportation of ash used for road construction projects or for manufacturing of ash based products or use as soil conditioner in agriculture activity within a radius of hundred kilometers from the TPP and the cost of transportation beyond the radius of hundred kilometers and up to three hundred kilometers shall be shared equally between the user and the TPP.	Fly ash is used in house for manufacturing of fly ash bricks and rest is supplied to outside agencies for road construction works.
13	That, the occupier shall adopt the system of the telescopic chute/any other system to reduce the fugitive emission while loading the products into trucks/fine dust in the bags	Water sprinkling system installed to reduce fugitive emission in loading of product section.
14	That, the occupier shall make provision of Personal Protective Equipment (dust mask, helmet, safety shoes, goggles, ear plugs) and ensure their utilization by all the workers during operation of the plant	Complied. All the Personal Protective Equipments are provided to the workers.
15	That, the occupier shall comply all the provisions mentioned in MoEF notification no. GSR 414 (E), dated. 30.05.2008 prescribed in Section 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986) and its guideline/code of practice for pollution prevention for Sponge Iron Plants	All the applicable provisions of Environmental Act and Rules are complied.

For Brahmaputra Metallics Limited

Director

16	That, the occupier shall pay the entire cost of transportation of ash used for Government Schemes such as road construction projects under Pradhan Mantri Gramin Sadak Yojna, other similar asset creation programmes of the Government involving construction of buildings, road, dams and embankments within a radius of three hundred kilometers.	Noted and assure to comply.
17	That, the occupier shall provide compliance status of provisions mentioned in Fly Ash Notification, 1999 and further amendments to the CPCB and SPCB as annual implementation report (for the period 1st April to 31st March) by 30th day of April on successive years	Being Complied. Ash is used in house for production of fly ash bricks and supplied to road construction projects. (Compliance status attached)
18	That, the occupier shall all the conditions as mentioned in EC and CTO and submit the compliance report of the same along with all the requisite documents on periodical basis to the Board and other organizations as per provision.	Complied. Half-Yearly compliance report is submitted regularly.
19	That, the occupier shall operate and maintain air pollution control devices such as ESP, Fume extraction system and bag filters attached to different sections regularly and submit its compliance report to the Board.	All the pollution control devices are maintained regularly.
20	That, this CTO is valid subject to compliance of all the conditions mentioned in EC.	Agreed. All the conditions of EC are being complied.
21	That, the occupier shall submit applications for renewal of consent under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent with requisite fee and documents showing compliance of all of the above conditions	Assure to comply.
22	That, this CTO supersedes the CTO granted vide ref. no. JSPCB/HO/RNC/CTO-1280911/2018/310, dated 13.02.2018	Agreed.

For Brahmaputra Metallics Limited

Director

GENERAL CONDITIONS

1

That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S.N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt)
(1)	(2)	(3)	(4)	(5)
1	Sulphur Dioxide (SO2), μ/m^3	Annual 24Hours	50 80	20 80
2	Nitrogen Dioxide (NO2), μ/m^3	Annual 24Hours	40 80	30 80
3	Particulate Matter (Size less than 10 µm) or PM10 μ/m^3	Annual 24Hours	60 100	60 100
4	Particulate Matter (Size less than 10 µm) or PM2.5 μ/m^3	Annual 24Hours	40 60	40 60
5	Ozone (O3), $\mu g/m^3$	8Hours 1Hour	100 180	100 180
6	Lead (Pb) $\mu g/m^3$	Annual 24Hours	0.50 1.0	0.50 1.0
7	Carbon Monoxide (CO) mg/m^3	8Hours 1Hour	02 04	02 04
8	Ammonia (NH3) µg/m3	Annual	100 400	100 400
9	Benzene (C6H6) µg/m3	Annual 24Hours	05	05
10	Benzo(a) Pyrene (BaP) Particulate Phase only ng/m^3	Annual	01	01
11	Arsenic (As) ng/m^3	Annual	06	06
12	Nikel (Ni) ng/m^3	Annual	20	20

Note: Serial no. 1 to 4 – Mandatory.
Serial no. 5 to 12 As applicable for specific type of industry.

AAQ maintained as per norms. Monitoring reports for the period attached

For Brahmaputra Metallics Limited

Director

<table>
<tr>
<td>2</td>
<td>That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:
<table>
<tr><td>S.N.</td><td>Parameter</td><td>Standard</td></tr>
<tr><td>1</td><td>Particulate Matter</td><td>150 mg/Nm^3</td></tr>
<tr><td>2</td><td>Sulphur Dioxide</td><td>80 µg/ Nm3</td></tr>
<tr><td>3</td><td>Oxides of Nitrogen</td><td>80 µg/ Nm3</td></tr>
</table>
</td>
<td>Emission well within the standard limit.

Stack emission Below 150 mg/Nm3, monitoring reports attached</td>
</tr>
<tr>
<td>3</td>
<td>That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:
<table>
<tr><td>S.N.</td><td>Parameter</td><td>Standard</td></tr>
<tr><td>1</td><td>Total Suspended Solids</td><td>100 mg/L</td></tr>
<tr><td>2</td><td>BOD</td><td>30 mg/L</td></tr>
<tr><td>3</td><td>COD</td><td>250 mg/L</td></tr>
<tr><td>4</td><td>Oil & Grease</td><td>10 mg/L</td></tr>
</table>
</td>
<td>No discharge outside. Waste water is fully recycle and reused.</td>
</tr>
<tr>
<td>4</td>
<td>That, the occupier shall dispose of solid wastes as follows:
<table>
<tr><td>S.N.</td><td>Waste Type</td><td>Mode of Disposal</td></tr>
<tr><td>1</td><td>Hazardous Carbonaceous Wastes</td><td>In co-processing in high temperature furnaces or Kilns.</td></tr>
<tr><td>2</td><td>Hazardous Non-Carbonaceous Wastes</td><td>In TSDF</td></tr>
<tr><td>3</td><td>Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden</td><td>As a substitute of soil or Mineral</td></tr>
</table>
</td>
<td>Solid wastes are disposed as per guidelines.</td>
</tr>
<tr>
<td>5</td>
<td>That, the occupier shall keep DG set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.</td>
<td>Silent type D.G. set installed and exhaust pipe raised as per norms.</td>
</tr>
<tr>
<td>6</td>
<td>That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.</td>
<td>Rain water harvesting-cum- ground water discharge system installed as per guidelines.</td>
</tr>
</table>

For Brahmaputra Metallics Limited

Director

7	That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.	Greenery in the periphery and other available spaces are maintained and being continued.
8	That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.	Complied.
9	That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001: 2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.	Reports duly monitored by NABL accredited lab attached.
10	That, this CTO is valid subjected to the validity of mining lease/Mining Plan/Ecofriendly/ Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.	Agreed
11	That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/unit/occupier.	All applicable statutory obligations are being complied.
12	That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding, if any instituted in past or that could be, instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.	Agreed
13	That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Water (Prevention & Control of Pollution) Cess Act, 1977, the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.	All applicable provisions of the Acts and Rules are being complied.

For Brahmaputra Metallics Limited

Director