

Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehta Building, Thana Chowk, Near Hotel Treet, Ramgarh-829122
Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No. :

Date :

To,
The Member Secretary
Jharkhand State Pollution Control Board
Ranchi, Jharkhand

Date : 30.12.2025

Subject: - Half Yearly E.C Compliance Report of December- 2025 for M/s. Sri Venkatesh Iron & Alloys (India) Limited. at village Lapanga, P.O., Bhadaninagar, District Ramgarh, Jharkhand

Dear Sir,

With reference to the above-mentioned subject, I am herewith submitting half yearly E.C Compliance report to stipulated conditions of Environmental Clearance Letter File No. J-11011/417/2017-IA.11(1) dated 24th January 2020 of Existing unit of M/s. Sri Venkatesh Iron & Alloys (India) Limited with proposed production capacity for Expansion of 4×100 TPD DRI Unit by addition of 2x12 T (245 TPD) Induction Furnaces, 240 TPD Billet Caster, 16 MW CPP based on 4x9 TPH WHRB & 50TPH AFBC along with 26 TPD Briquette plant at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand for your kind record please.

Thanking You

Yours Faithfully

For Sri Venkatesh Iron & Alloys (India) Ltd.

Ajay K. Gupta

Authorised Signatory

Sri Venkatesh Iron & Alloys (India) Ltd.

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Ref. No. :

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To
The Member Secretary
The Director
Ministry of Environment Forest and Climate Change,
Ranchi Regional Office (ECZ), Bungalow No. A-2,
Shyamali Colony, Ranchi-834002

Subject: - Half Yearly E.C.Compliance Report of December -2025 for M/s. Sri Venkatesh Iron & Alloys (India) Limited. at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand

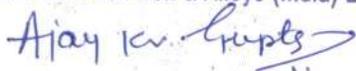
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Date :

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To
The Member Secretary
State Environment Impact Assessment Authority
Ranchi, Jharkhand

Subject: - Half Yearly E.C. Compliance Report of December -2025 for M/s. Sri Venkatesh Iron & Alloys (India) Limited. at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand

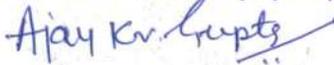
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For Sri Venkatesh Iron & Alloys (India) Ltd.



Authorised Signatory

DEC. 2025

Half Yearly E.C Compliance Report

Expansion of 4×100 TPD DRI Unit by addition of 2x12 T (245 TPD) Induction Furnaces, 240 TPD Billet Caster, 16 MW CPP based on 4x9 TPH WHRB & 50TPH AFBC along with 26 TPD Briquette plant



SUBMITTED BY:

**M/s. Sri Venkatesh Iron & Alloys (India) Limited
located at village Lapanga, P.O. Bhadaninagar,
District Ramgarh, Jharkhand**

*Environmental Clearance issued by M OEF&CC, New Delhi
File Number- J-11011/417/2017-IA.11(1), dated 34/01/2020.*

EC Compliance Report of M/s. Sri Venkatesh Iron & Alloys (India) Limited

M/s. Sri Venkatesh Iron & Alloys (India) Limited		
Environment Clearance F. No. J-11011/417/2017-IA.11(1), Dated: 24.01.2020		
Government of India, MoEF & CC		
A	Specific Conditions	Compliance
i.	No groundwater drawl is permitted.	Ground water is used for domestic purpose. NOC from CGWA has been obtained. For industrial purpose approval from DVC for the withdrawal of 0.364 MGD from Dhoadhab Nallah has been obtained. A copy of the executed agreement with DVC and NOC from CGWA are attached Annexure 1.
ii.	Zero liquid discharge shall be adopted	Being Complied. No discharge outside the plant premises.
iii.	100% waste utilization shall be followed	<p>Currently, the char generated from our sponge plant is being sold to brick manufacturers, while the dolochar is being stored in a scientifically designed and established manner to prevent environmental degradation. To mitigate the risk of erosion, we have implemented soil covering measures. For reference, we have attached the tax invoices and balance sheets of dolochar sales as Annexure 2</p> <p>We are presently establishing a Power Plant at our site, which will enable us to utilize 100% of the dolochar generated in DRI plant and utilized in the Atmospheric Fluidized Bed Combustion (AFBC) Boiler, thereby ensuring the complete utilization of this waste material.</p>
iv.	Particulate emission levels from the stacks shall be limited to 30 mg/Nm ³ .	Complied. Particulate emission levels from the stacks is limited to 30 mg/Nm ³ . Copy of Monitoring Report attached as Annexure 3
v.	Green belt shall be developed in 40% of the total area and the compliance status shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance reports.	Being Complied. We have developed a very dense plantation on land near the project site, and we are enhancing plantation within the existing industry plant. Photographs of plantation are attached as Annexure 4.
vi.	Monitoring of compliance of EC conditions shall be submitted with third party audit	Being Complied.

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	every year.	
vii.	Amount earmarked towards Corporate Environmental Responsibility (CER) shall be enhanced from -INR 95 lakhs to INR 136 lakhs (1.5 times of the slabs given in the O.M. dated 1/05/2018) as the project is located in Severely Polluted Area (SPA). Compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance reports.	Being complied. Our company has been engaging in various community development initiatives, such as healthcare, provision of drinking water facilities, tree plantation, and road maintenance. Street Solar Light Installation, Ambulance etc. Our CER expenses details and CSR annual report for FY 2020-2021, 2021-2022 and 2023-2024 is attached as Annexure 5
B.	General Condition	
I	Statutory Compliance:	
i.	The project proponent shall obtain Consent to Establish/ Operate under the Pollution) Act, 1981 and the water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	CTE & CTO for existing part (Sponge Iron) obtained. Sponge Iron is in production as per CTO from the JSPCB, Copy of CTE CTO attached as Annexure 6.
ii.	The Project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/ from the competent authority concerned in case of drawl of surface water required for the project	Complied.
iii.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Hazardous waste authorization obtained for existing unit valid up to 30.09.2026 years. Copy of Hazardous waste authorization attached as Annexure 7
II	Air quality monitoring and preservation	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from	Complied. OCEMS installed at the project site and connected to the online server of the Jharkhand State Pollution Control Board (JSPCB). Photograph of OCEMS attached as Annexure 8

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	time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied.
iii.	The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM to and PM2.5 in reference to PM emission, and SO) and NOx in reference to SO, and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Complied. Continuous Ambient Air Quality monitoring installed. Photographs attached as Annexure 8.
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Continuous stack emission and air quality monitoring and results are attached as Annexure 3
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	Appropriate Air Pollution Control (APC) has been provided at the project site. Photographs are attached as Annexure 9 Please note that the plant is operating at capacity 4X100 TPD for sponge iron production. Establishment as per this EC has not been yet started only CPP construction work is going on.
vi.	The project proponent shall provide	Complied. Pulse jet type bag filters installed.

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	leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	
vii.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Our facility is equipped with vacuum cleaners, as well as mechanical sweeping machines, to ensure optimal housekeeping practices. Additionally, manual cleaning methods are also employed at the site to supplement our mechanical cleaning systems, thereby maintaining a clean and dust-free environment. These measures are in place to prevent fugitive dust emissions and minimize the potential for air pollution. Photographs of vacuum cleaner and mechanical sweeping machine attached as Annexure 10
viii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	Coal fines are collected and reused. Iron ore fines are sold outside. Briquetting plant has not been installed.
ix.	The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Complied only covered and leak Proof vehicles are used and covered with tarpaulin.
x.	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	Covered shed provided for Iron ore and coal. Sponge Iron is stored in bunkers. No use of any coke.
xi.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Melting furnace not installed as yet.
xii.	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Proper ventilation system provided to all operative points. It will be further improved as per EC condition with installation of the proposed units in expansion.
III	Water quality monitoring and preservation	
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st	We would like to clarify that currently, only the Direct Reduced Iron (DRI) plant is in operation, and the process does not generate any effluent. The hot wastewater generated during the process is recycled and reused, thereby minimizing water

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	March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	consumption and eliminating effluent generation. As a result, the installation of 24x7 continuous effluent monitoring systems is not applicable at present. However, we acknowledge the importance of effluent monitoring and treatment. In the future, we plan to install a Sewage Treatment Plant (STP) for domestic effluent treatment. Upon commissioning of the STP, we will ensure that monitoring of effluent quality is undertaken as per the prescribed norms and guidelines.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Complied. Please refer to Monitoring Report attached as Annexure 3
iii.	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Zero effluent discharge maintained. There is no effluent discharge, hence no monitoring done.
iv.	Adhere to 'Zero Liquid Discharge'.	Complied.
v.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Domestic wastewater is treated in septic tank soak pit arrangement at present. If required, Sewage Treatment Plant will be installed with installation of the units as per EC
vi.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.	Rolling Mill not proposed in the unit. EC only for Sponge Iron, CPP and Induction furnaces.
vii.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy	Complied. Garland drains and collection pits provided.

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	rains and to check the water pollution due to surface run off	
viii.	The project proponent shall practice rainwater harvesting to maximum possible extent.	Rainwater harvesting system installed. Rainwater collected and reused in the plant.
ix.	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	In the existing plant wastewater is recycled and reused. Segregation of used water, cascade use and recycling treated water will be followed with installation of the proposed expansion unit as per EC.
IV	Noise monitoring and prevention	
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Being Complied. Noise level report attached as Annexure 3.
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Complied.
V	Energy Conservation measures	
i.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.	Agreed to comply with.
ii.	Practice hot charging of slabs and billets/blooms as far as possible.	No Rolling Mill is proposed in this plant.
iii.	Ensure installation of regenerative type burners on all reheating furnaces	No Rolling Mill is proposed in this plant.
iv.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly	Being complied.
v.	Provide the project proponent for LED lights in their offices and residential areas.	LED lights have already been installed throughout the premises, including the residential areas of our labor quarters. We have taken steps to ensure that energy-efficient lighting is provided to all areas of the facility, including residential areas.

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		Photographs showing LED lights attached as Annexure 11
VI	Waste management	
i.	Used refractories shall be recycled as far as possible.	Agreed to comply with.
ii.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces	No Rolling Mill is proposed in this plant.
iii.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	We would like to clarify that the potential source of fly ash generation at our facility is from the Captive Power Plant (CPP), which will utilize Waste Heat Recovery Boiler (WHRB) and Atmospheric Fluidized Bed Combustion (AFBC) Boilers. However, since the CPP is still under construction and the WHRB and AFBC Boilers have not been commissioned yet, there is currently no generation of fly ash. The civil work for the CPP is ongoing, and we are in the process of installing the necessary equipment. Once the CPP is operational, we will ensure that fly ash generation is properly managed and utilized in an environmentally responsible manner. We will provide regular updates on fly ash generation, utilization, and disposal to this Office, as required.
iv.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Being complied for the existing unit. Hazardous waste authorization has been obtained. Same will be complied for proposed units also, after installation.
VII	Green Belt	
i.	Green belt shall be developed in an area equal to 40% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Being Complied. Photographs of Green belt attached as Annexure 4

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ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Complied. GHG emissions inventory report attached as Annexure 12
VIII	Public hearing and Human health issues	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan has been prepared and copy attached as Annexure 13
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	We have provided PPE kits to our workers, which include essential protective equipment such as hard hats, safety glasses, gloves, and masks safety shoes, aprons etc. Photographs of worker wearing PPE is attached as Annexure 14 Regarding heat stress analysis, we would like to clarify that our current operations involve only the Direct Reduced Iron (DRI) kiln, which does not generate significant heat stress. However, we acknowledge that heat stress can be a potential hazard in certain industrial operations, particularly in areas with high temperatures, humidity, and physical demands. We would like to assure that we will conduct a comprehensive heat stress analysis when we install the electric arc furnace and other plant equipment in the future. The analysis will be conducted in accordance with relevant standards and guidelines, such as those provided by Occupational Safety and Health Administration (OSHA).
iii.	Provision shall be made for the housing of 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	Construction workers engaged in our project are locally hired, and as such, we do not provide permanent housing facilities to them. However, we ensure that they have access to basic amenities and facilities to maintain their health, safety, and well-being. We provide the following facilities to our

EC Compliance Report of M/s. Sri Venkatesh Iron & Alloys (India) Limited

	removed after the completion of the project.	<p>construction workers:</p> <ul style="list-style-type: none"> ▪ Provision of clean drinking water to ensure they stay hydrated throughout the day ▪ Access to clean and well-maintained toilets to maintain personal hygiene ▪ First Aid facilities to provide immediate medical attention in case of any accidents or injuries ▪ Rest shelters where workers can take breaks and rest during lunch hours or other designated breaks <p>Photographs of facilities provided to workers are attached as Annexure 15</p>
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<p>We have conducted regular occupational health surveillance to ensure the good health of our workers. The medical health reports of our workers are attached as Annexure 16</p>
IX	Corporate Environment Responsibility	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.111 dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	<p>Being complied.</p> <p>Our company has been engaging in various community development initiatives, such as healthcare, provision of drinking water facilities, tree plantation, and road maintenance, Ambulance etc. Our CER expenses details and CSR annual report for FY 2020-2021, 2021-2022 and 2023-2024 is attached as Annexure 5</p>
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have	<p>Copy of Environmental policy of the company duly signed by the Director Mr. Ankit Kedia is attached as Annexure 17</p>

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	defined system of reporting infringements / deviation / violation of the environmental / forest /wildlife norms / conditions and / or shareholders I stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Environmental cell has been set up. The Notification of same is attached as Annexure 17
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	<p>The year wise funds earmarked for environmental protection measures has not to be diverted for any other purpose.</p> <p>We have prepared the action plan for implementing EMP and environmental conditions along with responsibility matrix. Details are given below:</p> <p>The Environmental Management Plan (EMP) implementation team is led by a dedicated and experienced group of professionals who are committed to ensuring the effective execution of the plan. At the helm is the General Manager (GM), who bears overall responsibility for the implementation of EMP and environmental conditions. The Deputy General Manager (DGM) provides support to the GM, ensuring seamless implementation of the plan. The Manager Environment plays a crucial role in overseeing the technical aspects of EMP implementation, including the implementation of the environmental monitoring system and the development of the emergency response plan. The Environmental Engineer is responsible for the day-to-day implementation of the environmental monitoring system, conducting regular environmental audits, and submitting compliance</p>

		<p>reports. Meanwhile, the Technician (Safety & Environment) focuses on the implementation of the waste management system, training and awareness programs, and provides support to the Environmental Engineer. Together, this team works in tandem to ensure that the EMP is implemented effectively, and that the organization meets its environmental obligations.</p> <p>Action Plan:</p> <p>1. Implementation of EMP (Ongoing)</p> <p>a) Implement the approved EMP to ensure compliance with environmental regulations and conditions.</p> <p>b) Responsibility: Manager Environment</p> <p>c) Current Status: Implementation in progress, regular monitoring and reporting being done.</p> <p>2. Training and Awareness Program (Within 2 months)</p> <p>a) Conduct training and awareness programs for all employees on EMP and environmental conditions.</p> <p>b) Responsibility: Technician (Safety & Environment)</p> <p>c) Current Status: Scheduled for next month, training materials being prepared.</p> <p>3. Online Monitoring System (Already Installed)</p> <p>a) The online monitoring system is already installed and continuously connected to CPCB, providing real-time data on environmental parameters.</p> <p>b) Responsibility: Environmental Engineer</p> <p>c) Current Status: System is operational and providing real-time data.</p> <p>4. Waste Management (Ongoing)</p> <p>a) Dolochar (a waste material) is generated and sold to brick manufacturers.</p> <p>b) However, with the upcoming CPP (Captive Power Plant) construction, dolochar will be utilized in</p>
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		<p>the CPP.</p> <p>c) Other wastes like domestic waste are managed properly, and oil and grease are disposed of as per rules.</p> <p>d) Dolochar is spread with soil on top to prevent environmental pollution.</p> <p>e) Responsibility: Technician (Safety & Environment)</p> <p>f) Current Status: Waste management practices are in place and being implemented.</p> <p>5. Development of Emergency Response Plan (Within 5 months)</p> <p>a) Develop an emergency response plan to handle environmental emergencies such as spills, leaks, etc.</p> <p>b) Responsibility: Manager Environment</p> <p>c) Current Status: Initial draft prepared, under review by management.</p> <p>6. Conducting Regular Environmental Audits (Every Year)</p> <p>a) Conduct regular environmental audits to ensure compliance with EMP and environmental conditions.</p> <p>b) Responsibility: Environmental Engineer</p> <p>c) Current Status: First environmental audit conducted, report submitted to management.</p> <p>d) Conducting Regular Environmental Audits (Every 12 months)</p> <p>7. Submission of Compliance Reports (Half yearly)</p> <p>a) Submit compliance reports to regulatory authorities and stakeholders.</p> <p>b) Responsibility: Manager Environment</p> <p>c) Current Status: Ongoing.</p> <p>8. Public Hearing Commitments</p> <p>a) Implement community development programs and provide amenities to local communities as per public hearing commitments.</p> <p>B)Responsibility: Manager Environment.</p> <p>c)Current Status: Programs and amenities being implemented.</p>
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EC Compliance Report of M/s. Sri Venkatesh Iron & Alloys (India) Limited

v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Being Complied.
vi.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.	Being Complied.
X	Miscellaneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Copy of newspaper advertisement attached as Annexure 18
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Receipt of letter regarding submission of EC to local body is attached as Annexure 19
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	The company does not have a website to upload the EC letter and its compliance status. However, the EC compliance reports along with the monitored data have been uploaded on the Parivesh Portal of the Ministry of Environment, Forest and Climate Change (MOEF&CC) for public viewing, as per the requirements. The company will ensure that the compliance reports and monitored data are regularly updated on the Parivesh Portal.

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iv.	The project proponent shall monitor the criteria pollutants level namely; PM 10, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	As stated earlier, we do not have a company website. However, an Online Monitoring System (COMS) has been installed at the Plant, which is connected to the online servers of the Central Pollution Control Board (CPCB) and the Jharkhand State Pollution Control Board (JSPCB). This system enables real-time access to monitored data for anyone. Additionally, we have made provisions to display the monitored data at the main gate of the Plant. Apart from this we have also purchase a digital display system (DMD Display Board) size 6*4 feet. Which will be install soon. Photographs of the display Board handwritten and digital display purchase order are attached as Annexure 20
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied.
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Being Complied.
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	<ul style="list-style-type: none"> ▪ Date of Final Approval of the Project: October 21, 2023 ▪ Date of Commencement of land development work: November 27, 2023 ▪ Date of financial closure: March 31, 2024
viii.	The project authorities must strictly	Yes we are adhering to all the stipulations made

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	adhere to the stipulations made by the State Pollution Control Board and the State Government.	by the State Pollution Control Board and the State Government.
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee	We are adhering to all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed. No further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
xi.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act. 1986.	Noted
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted.
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Agreed. We will extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and	Noted

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	Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	
xvi.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
xvii.	The PP shall obtain fresh environmental clearance in case of change in scope of the project if any.	Noted

Annexure 1
Copy of the executed agreement with DVC
CGWA CERTIFICATE



भूजल निकासी हेतु अनापत्ति प्रमाण पत्र
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

PROJECT NAME M/s. SRI VENKATESH IRON AND ALLOYS INDIA LIMITED		
PROJECT ADDRESS VILLAGE-LAPANGA, BLOCK-BHADANI NAGAR	PIN CODE 829105	
STATE JHARKHAND	DISTRICT RAMGARH	TOWN/BLOCK RAMGARH
COMMUNICATION ADDRESS VILLAGE-LAPANGA, BLOCK-BHADANI NAGAR		
ADDRESS OF CGWB REGIONAL OFFICE 6th& 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road, Dak Banglow, Patna- 800011, Bihar.		
1. NOC NO. NOC/IND/JH/2025/1690/N	2. DATE OF ISSUANCE 13/02/2025	
3. APPLICATION NO. IND/JH/2025/1690	4. APPLICATION TYPE Industry	
5. PROJECT STATUS Existing Project	6. NOC TYPE New	
7. VALID FROM 13/02/2025	8. VALID UP TO 12/02/2028	
9. WATER QUALITY TYPE Fresh Water	10. AREA TYPE CATEGORY Critical (GWRE - 2024)	

11. Ground Water Abstraction Permitted

GW Abstraction		Dewatering		Total	
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year
9.10	2730.00	0.00	0.00	9.10	2730.00

12. Details of Ground Water Abstraction /Dewatering Structures

EXISTING 1					PROPOSED 1					TOTAL 2				
DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu
0	0	1	0	0	0	0	1	0	0	0	0	2	0	0

*DW-Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; Pu Pumps;

Validity of this NOC shall be subject to mandatory compliance of the following conditions:

Phase I (within 30 days)

1. Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) is mandatory for all users seeking No Objection Certificate. Intimation regarding their installation shall be updated in Self-Compliance Module (Phase-I) of BhuNeer APP portal within 30 days of grant of No Objection Certificate.

Phase II (after 11 months)

1. Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
2. Construction of purpose-built observation wells (piezometers) for ground water level monitoring is mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the notified guidelines.

3. Proponents shall monitor quality of ground water from all the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analyzed in NABL accredited or Govt. approved laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

All the above-mentioned mandatory compliance conditions are to be filed online in BHUNEER APP (<https://cgwa-bhuneer.mowr.gov.in>) timely.

General Conditions:

1. Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986 and amendment thereto, if any.
2. This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.
3. This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
4. No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
5. The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction as permitted in NOC.
6. Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws.
7. Proponents, who have installed/constructed rain water harvesting and artificial recharge structures shall continue to regularly maintain the water conservation structures.
8. The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
9. Industries which are likely to cause ground water pollution, e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list), no recharge measures shall be taken up by such firms inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm. The firm need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the notified guidelines
10. Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
11. Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
12. Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
13. This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
14. This NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
15. In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 6 months of taking over possession of the premises.
16. In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
17. In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting

18. In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

19. In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

20. Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent. In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines

DAMODAR VALLEY CORPORATION



AGREEMENT

EXECUTED ON~~11~~..... day of December 2019

BETWEEN

DAMODAR VALLEY CORPORATION

AND

SRI VENKATESH IRON & ALLOYS (INDIA) LTD

For Supply of RAW WATER

FOR

INDUSTRIAL PURPOSE

AT

LAPANGA

FROM

Dhoadhab Nala (a tributary of River Damodar) near Lapanga, Distt. - Ramgarh, Jharkhand

FOR

INDUSTRIAL (USES)

Allocated Quantity : 0.364 (Zero Point Three Six Four) MGD



सत्यमेव जयते

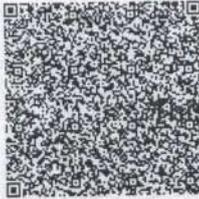
INDIA NON JUDICIAL Government of Jharkhand

e-Stamp

Certificate No. : IN-JH23755494500208R
 Certificate Issued Date : 27-Nov-2019 12:48 PM
 Account Reference : SHCIL (FI)/ jhshcil01/ RANCHI/ JH-RNC
 Unique Doc. Reference : SUBIN-JHJHSHCIL0133692570461133R
 Purchased by : SRIVENKATESHIRON ANDALLOYSINDIALIMITED
 Description of Document : Article 5 Agreement or memorandum of an Agreement
 Property Description : 100
 Consideration Price (Rs.) : 100
 (One Hundred only)
 First Party : DAMODAR VALLY CORPORATION DVC
 Second Party : SRI VENKATESH IRON AND ALLOYS INDIA LIMITED
 Stamp Duty Paid By : SRI VENKATESH IRON AND ALLOYS INDIA LIMITED
 Stamp Duty Amount(Rs.) : 100
 (One Hundred only)

AGREEMENT

Supply of Raw Water
For
Industrial Use



Agreement is made on this.....11th.....Day of December 2019.

BETWEEN

DAMODAR VALLEY CORPORATION, a Corporation constituted under the Damodar V Corporation Act being Act No. XIV of 1948 (hereinafter referred to as "the said Act") and having

its Headquarters of DVC Towers, VIP Road, Kolkata -700 054 in the state of West Be (hereinafter to as "the First Party", which term shall unless excluded by or repugnant to subject or context include its successors-in-interest and assigns) of the ONE PART

AND

M/S. SRI VENKATESH IRON & ALLOYS (INDIA) LTD, a Private Limited Company having registered office at Village - Lapanga, P.O.- Bhadani Nagar, Distt.- Ramgarh, Jharkhand, Pin.- 8291 the state of Jharkhand (Hereinafter referred to as "the Second Party" which term shall unless exclude or repugnant to the subject or context include its successors-in-interest and/or permitted assign OTHER PART.

Sri Venkatesh Iron & Alloys (India) Ltd.

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this certificate and as available on the website of the Competent Authority.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

SR 0006078754

Md. Omer
 वरिष्ठ मंडलीय अभियन्ता (असि)
 Sr. Divisional Engineer (C)
 कार्यालय, प्रबंधक जलागार प्रघालन
 M.R.O. Office
 दा.घा.नि. मैथन/D.V.C. Maithon

WHEREAS one of the functions of the First party under Section 12(a) of the said Act is the promotion and operation of the schemes inter-alia for the supply of water in the Damodar Valley.

AND WHEREAS under the provisions of Section 15 of the said Act the First Party is vested with power to determine and levy rates for bulk supply and retail distribution of water for industrial purposes and specify the manner of recovery of such rates.

AND WHEREAS under the provisions of section 17 of the said Act construction, operation or maintenance in the Damodar Valley of any dam or other work of any installation for extraction of water shall not be effected by any person without the consent of the First Party.

AND WHEREAS the Second Party has requested the First Party under cover of its letter No. Nil dated 11.11.2019 annexed hereto, to allow it to construct, operate and/or maintain the water supply scheme and to allow it to have a supply of water from Dhoadhab Nala (a tributary of River Damodar) near Lapanga, Distt. - Ramgarh, Jharkhand for their INDUSTRIAL PURPOSE at Village - Lapanga, P.O.- Bhadani Nagar, Distt.- Ramgarh, Jharkhand, Pin.- 829105 in accordance with the approved plan and drawing forwarded by Chief Engineer (Civil), DVC, Maithon vide letter no.- Nil & Letters No.- MRO/Tariff Cell/412 dated 03.07.2019 & MRO/Water Tariff Cell/693 dated 08.11.2019 of Dy. Chief Engineer ©, Water Resources, DVC, Maithon and also the letter No. MD/DVRR/WA-6(PART-VIII/Venkatesh I&A Ltd/2019/887-93 dated 01.07.2019 of Member Secretary, DVRRC, CWC, Maithon annexed hereto for Industrial purpose as laid down in the relevant provisions of the said act.

AND WHEREAS the First Party has agreed to such construction, operation and/or maintenance of the water supply scheme and has further agreed to such supply of water to the Second Party for an initial period of five years as referred to in Clause- 16 here-in-under on the terms and conditions as hereinafter appearing.

NOW THIS AGREEMENT WITNESSTH AND IT IS HEREBY DECLARED AND AGREED AS FOLLOWS:-

01. (a) PERMISSION :

(i) The "First Party" hereby grants to the "Second Party" the permission to construct, operate and/or maintain the said water supply scheme in accordance with the Plan and Drawing annexed hereto and to extract such quantities of water from Dhoadhab Nala (a tributary of River Damodar) near Lapanga, Distt. - Ramgarh, Jharkhand for the purpose of INDUSTRIAL PURPOSE at LAPANGA as the "Second Party" may require upto 0.364 (Zero Point Three Six Four) MGD at the point in the Dhoadhab Nala (a tributary of River Damodar) near Lapanga, Distt. - Ramgarh, Jharkhand indicated in the said plan and Drawing annexed hereto and in the manner hereinafter mentioned provided the "Second Party" desiring to increase or decrease the quantity of water to be extracted as permitted aforesaid the "First Party" may require the "Second Party" to give the "First Party" THREE(3) MONTHS' notice in writing and approach DVRRC stating the quantity of water required and the "First Party" after receipt of approval of DVRRC will permit the additional drawal of water depending on the condition prevailing at that time provided further that failure on the part of 'the First Party' will not be construed as breach of this Agreement. the sourcing point and allocation of water by DVRRC is function-specific. The allocation shall, in no way, be utilized /misused by 'the Second Party' by sale of water to any other consumer or its sister concern (or any agency on its behalf) for any purpose whatsoever, in the event of any such act, the same will be construed as breach of the terms and conditions of this agreement on the part of 'the Second Party' as specified in clause-17

01. **(b) PERMISSION :**

(i) The "First Party" who is seized and possessed of and is otherwise well and sufficiently entitled to the plots of land measuring Nil of DVC land, more particularly described in the drawing hereto annexed, hereby grants to the "Second Party" the right to use/build at his own cost, the intake works comprising the pump house supporting structures and approaches and also lay down pipes and other works on the above mentioned piece and parcel of land.

(ii) These structures and pumping installations shall be the property of the "Second party" and shall be maintained by them.

(iii) The "Second Party" shall apply to the "First Party" for extension of the license-period of the temporarily allotted piece of land for permissive possession/occupation for the specific use if applicable as mentioned hereinabove in Cl. 01.(b).(i) before expiry of every license-period/term of 11 (eleven) months as per the subsisting rules & regulations for temporary use/permissive possession/occupation. The "Second Party" hereby agrees to comply with all the existing terms and conditions as may be decided by the Corporation from time to time and agrees to pay the license fee as may be revised time to time without raising any dispute in this regard.

(iv) For the temporary use/occupation of the said Nil of DVC land, the second party shall pay the "First party" a license fee 0 @ Rs. 6/- sq.ft. per term of 11 (eleven) months from the date of permissive possession/occupation of the said land if applicable, is made over to the 'Second Party'.

The aforesaid license-period and the rate of license fee may be altered and /or revised and/or enhanced as per discretion of 'the FIRST party' and 'the SECOND PARTY' agrees to make the payments as per the revised rate as and when made applicable.

(v) The "Second Party" shall not be entitled to transfer or let out the said land to others without the consent of the "First Party".

(vi) The "First Party" shall not put up any structure of its own on the aforesaid piece of land without the consent of the "Second Party" which shall not be unnecessarily withheld.

(vii) On the termination of the tenure of the temporary use and occupation period, the "Second Party" shall quit, vacate and deliver peaceful possession of the said land by removing the intake works built thereon and restoring it to its original condition at his own cost.

(viii) Neatness and cleanliness of the area occupied should be observed by the "Second Party"

02. **APPROVAL OF PLAN & DRAWING INSPECTION:**

The installation of the "Second Party" required for extraction of water at the point on the Dhoadhab Nala (a tributary of River Damodar) near Lapanga, Distt. - Ramgarh, Jharkhand indicated in the said plan and Drawing shall be duly approved by the "First Party" before erection provided the "First Party" or its representatives duly authorized in that behalf shall, from time to time, and at all times be entitled to enter such installations of the "Second Party" for inspection.

03. (a) **EXCESS DRAWAL :**

No drawal in excess of the water, as permitted shall be made by "the second party" without obtaining the specific prior written permission/approval of DVRRC and subject to such terms and conditions as "the First Party" may like to impose. Notwithstanding, whatever is mentioned in this agreement regarding excess drawal, it is hereby agreed and accepted by the second party that, for the quantities of water consumed in excess of the approved monthly drawal and for any other unauthorized drawal of water, sanctioned quantum will be charged @ normal rate plus overdrawal/unauthorized drawal in excess of sanctioned drawal on monthly basis will be charged @ 2 (Two) times the normal rate.

(b) **LESS DRAWAL:**

The less drawal of water by 10% or more of the agreement quantity during any 5 (five) consecutive years will automatically call for revision of the agreement quantity. The revised agreement quantity will be reduced to average of preceding 5 yrs' actual drawal, without making any further reference to the consumer incorporating the actual average drawal. However, the consumer may opt to apply to DVRRC for increase the quantity as per provision under Clause -1(a) hereinabove.

04. **MODE OF MEASUREMENT & METERS :**

For the purpose of measurement of the quantity of water extracted, the "Second Party" shall under this Agreement, with the prior Approval of the First Party, install at such points as may be indicated by 'the First Party', as many meters or as equal to the different type or types of uses of water so as to register the quantity of water for the purpose of determining the water drawal pattern (excess/less drawal) of the Second Party in such units of measurement as may be adopted by "the First Party"

from time to time provided that for the purpose of checking the accuracy of the meter/meters installed by "the Second Party", "the First Party" may install check meters or other mutually agreed upon check measures and "the Second Party" shall provide all facilities such as log book etc. required by "the First Party" for such installation or such check.

It shall be responsibility of the 'Second Party' to repair/rectify/replacement of meter/meters within a period of 30 days from the date of detection of the fault by either party. And that 'the second party' has to submit a report certified by the representative of the first party every year regarding their compliance with proper and satisfactory functioning of meter with proper logging of meter readings which will be given due importance during periodic review of water utilization by DVRRC. Non-compliance of above may tantamount to cancellation of water allotment.

The reading of the meters referred to above shall be jointly taken by the accredited representative of the consumer and Corporation on/or as near as practicable to the last day of each English calendar month or as decided by the corporation and the reading so taken shall be binding, final and conclusive between the consumer and the Corporation as to the quantity of water drawal by the consumer , provided that in the event of any meter being found defective and the quantity of

05. **SEALING OF METERS :**

All meters referred to in the above mentioned Clause - 04 excepting the ones with automatic recorder on charts if any, shall be properly sealed on behalf of both the parties hereto and shall not be interfered with by either party except in the presence of the other party or its representatives duly authorized in that behalf.

06. **METER READING, INSPECTION & BASIS OF PAYMENT :**

The Control Valve House housing the meter/meters of 'the Second Party' shall remain in the custody of 'the second Party' and 'the First Party' through its representative duly authorized in that behalf shall at all times be entitled to enter the said Control Valve House and inspect the meter/meters. The meter reading shall be entered up daily at 9.00 hours in a register by the second Party or its representatives duly authorized in that behalf. The readings may be checked and attested by 'the First Party' or its representative duly authorized in that behalf, at convenient intervals

Provided that where it is not possible to record the quantity of water extracted for a particular use directly owing to the absence of a meter directly recording such quantity, the quantity extracted for such use shall be determined by taking the difference between the quantity recorded in the main meter, recording the total quantity extracted for all uses under this Agreement, and the quantity recorded for the other uses for which there may be direct meter/meters.

Provided further that if this meter/meters installed by 'the second party' for recording the quantity of water is/are out of order, the quantity of water extracted may be assessed by taking the average of the quantity extracted during the preceding 3 (three) months as per the reading of the meter/meters, provided further that nothing as aforesaid shall prevent the respective parties from arriving at a mutual settlement as regard the quantity of water extracted during the above period for the purpose of ascertaining excess/less drawal by the second party.

The basis of payment shall be the quantity of water extracted in a month. In other words, bills shall be raised monthly or quarterly or as decided by the corporation, based on the extracted quantity.

07. **QUANTITY OF WATER CONSUMED OR EXTRACTED :**

The Registers of meter reading referred to in the above mentioned Clause- 06 or the assessed quantity of water mutually agreed upon by and between both the parties hereto or the average of the quantity of water extracted during the three months as aforesaid or computed by taking the difference between the direct recording and main meter shall be the prima facie evidence of the quantity of water extracted by 'the second Party'.

Not Done

08. PROPRIETARY RIGHT OF METERS AND UPKEEPMENT:

Meters as mentioned in the above mentioned Clause -04 shall be the property of 'the Second Party' and 'the Second Party' shall be liable for the upkeepment of the meter and for carrying out test once a year or more to the satisfaction of the First Party about the accuracy of such meter/meters.

09. ACCURACY OF METERS :

In the event of any dispute or difference between 'the First Party' and the Second Party as to the sufficiency or accuracy or state of repair or condition of the said meter or as to the quantity of water extracted through such meter, such difference or dispute shall be referred to and determined by an Engineer to be appointed by both the parties hereto.

10. BASIS OF ASSESSMENT IN ABSENCE OF METER :

(a) It is accepted and agreed by the 'Second Party' that the total quantity of consumption of water for the month shall be computed by the first party on the basis of actual drawal of water and the bills shall be raised on such quantity as referred to in Schedule-I & II. However, the Second Party is required to install and commission the meter(s) up to the satisfaction of the First Party for ascertaining excess/less drawal as referred to in clause 3.(a) & 3.(b) hereinabove.

(b) If at any time the meters installed for measurement of water extracted shall at any time, cease to register correctly or be removed for repair, calibration etc., then for the period until the said meters shall have been repaired replaced or otherwise adjusted as to register the quantity of water passing through it correctly, the quantity shall be computed as per proviso of clause 06 hereinabove. The First Party, however, shall be entitled to charge and 'the Second Party' shall be liable to pay for such quantity of water as mentioned in Schedule-II and the bills shall be continued to be raised by first party based on the **extracted** quantity as mentioned hereinabove.

Notwithstanding the bills shall be raised as per provisions contained in preceding cl. 10.(a). The Second Party shall make every Endeavour to get the meter repaired and installed to the satisfaction of the First Party within a period of 1(one) months.

11. BILLS & PAYMENTS:

(a) Bills & Tariff:

The price for supply of water shall be charged to the 'Second Party' in accordance with Schedule-I & the First Party's 'Schedule of Rates' as given in Schedule-II and other conditions in force from time to time, provided that any levy such as any Surcharge, Sales Tax, Octroi or any another amount by whatever other name called known or made by the Corporation, the state Government or any other competent authorities on quantity of water allocated to the 'the second Party' under this agreement, shall be paid by 'the second Party'.

(b) Security Deposit: Applicable

The First Party may require the Second Party to deposit a Security Amount Rs. 15,84,583/- (Rs. Fifteen Lakh Eighty Four Thousand Five Hundred Eighty Three Only) equivalent to water charges for three calendar months, considering quantity allocated in 0.364 (Zero Point Three Six Four) MGD specified in Clause- 1(a) and given in the schedule –I annexed hereto and or as modified as per clause-13 here-in-under and as per the prevailing water rate mentioned in schedule of rates in Schedule-II. The Second Party shall have to pay altered security amount if the quantity of allocation is changed by DVRRRC as per the terms of this agreement and as and when the water rates are revised and notified to the second party from time to time during the tenure of this agreement. In the event of termination of this agreement such security deposit shall be refunded after adjustment of dues, if any, to the Second Party without any interest thereon.

(c) Periodicity of Billing:

Bills will be raised to the Second Party monthly/quarterly based on **actual drawal** or as decided by the Corporation as the case may be. It will be the responsibility of second party to make the aforesaid payment within the due date without raising any dispute in this regard.

(d) Mode of payment:

The 'second party' shall pay the bill amount to the first party's office at Kolkata by RTGS/Cheque/Demand Draft drawn on Kolkata Branch of any Nationalized Bank, payable to **Executive Director (Finance), DVC, Kolkata-54** within within 30 days from the date of issue of the bill . The license fee, however, is to be paid by the second party as per terms mentioned in Clause- 1 (b).

(e) Provisional Billing for disputed bills:

In the case of any disputed bill(s) and or non-receipt/delayed receipt of bill, the second party shall collect the duplicate bill from the office of first party and make the payment immediately. However Delay Payment Surcharge, if applicable, as mentioned here-in-under in clause 11.(f) shall have to be borne by the second party. In case of disputed bills, the second party shall continue to pay full amount as per the bill raised by the first party. The necessary adjustment shall be done by the first party on resolution of dispute and/or differences.

(f) Delay Payment Surcharge:

If 'the second party' fails to make the payment of any bill amount within the due date, the second party shall pay the surcharge of 2.0 % per month on the amount of the bill from the due date of payment to the date of receipt of such amount in first party's office at Kolkata/ in Corporation's Account which shall be treated as date of payment. The rate of Delay Payment Surcharge is however liable to revision from such date as the Corporation may decide with prior notice of one month in writing to the consumer.

(g) Default in payment:

In the event any bill remaining unpaid for 60 days from the date of issue of the bill, the first party shall give the second party **7(Seven)** days' clear notice in writing of its intention to discontinue the supply of water and on the expiry of such period if the payment has not been received, 'the first party' may forthwith discontinue supply of water to the second party till the period the default continues. Such discontinuance of supply shall be without prejudice to the right of the first party to take any further action as may be deemed fit.

14. RULES & REGULATION:

'The Second Party' agrees to conform to and abide by all rules and regulations made by the First Party including guidelines for water allocation set by DVRRRC now in force and/or which may from time to time be made by the First Party consistent with this agreement relating to the extraction of water from the First Party's sources within the statutory limit of the said Act.

'The second party' shall ensure the optimal use of allotted quantum for the specific purpose and surrender the wasteful usage from the allotted quota. 'The second party' shall take all cares to avoid any untoward hydraulic conditions and undesirable changes in the river/supply channel.

'The second party' shall also ensure that the minimum flow in the river channel required for ecological balance is not interfered with. The Second Party shall take care that the intake structure and drawl of water, under no circumstance be detrimental to the safety and operation procedures of adjoining intakes/reservoir bridges both upstream & downstream of the intake point and also that the proposed intake is strong enough to be able to withstand floods in the river.

Notwithstanding whatever is stated in Clause-13 above, the review committee for allocation of water shall have prerogative to review periodically to reflect and incorporate the changes which take place in the realm of Water Resource Management.

"The Second Party" will ensure that the effluent water discharging out of the plant/industry will conform to the latest rules/bye laws/ regulations/prescribed water quality parameters by pollution control board of respective State Governments and/or Central Government.

Notwithstanding that the Corporation may not have acted on some previous breach, defaults or event of like nature on the part of the second party, it shall be lawful for the Corporation to enforce the terms and conditions of these presents in the event of a subsequent breach, default or event of like nature in all matters related to withdrawal of raw water by 'the Second Party'.

Any waiver by 'the First Party' of any breach of the terms and conditions of this agreement by the Second Party shall not constitute waiver of any subsequent breach of any other terms or conditions of this agreement.

15. DISPUTE OR DIFFERENCE & ARBITRATION:

Any dispute(s) or difference(s) arising out of or in connection with the agreement at any time between the 'First Party' and the 'Second Party' shall to the extent possible be settled amicably between the parties.

In the event of any dispute(s) or difference(s) whatsoever arising under the agreement or in connection therewith including any question relating to existence, meaning and interpretation of the agreement or any alleged breach thereof, the same shall be referred to the Secretary/CEO of Damodar Valley Corporation, Kolkata-700 054, to nominate Sole Arbitrator for settlement of disputes.

The Arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or any statutory modification thereof or for the time being in force or the latest. The decision/judgment of the Sole Arbitrator shall be final and binding on both the parties. The cost of Arbitration shall equally be borne by both the parties. The venue of Arbitration shall be at Kolkata.

However, in case the 'Second Party' is a Central Public Sector Enterprise/Govt. Department, the dispute

16. TENURE OF AGREEMENT OR VALIDITY :

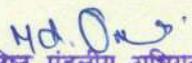
This agreement shall subject as hereinbefore provided be and remain in force for a period of **5 (five)** years initially from the date of commencement of supply under this Agreement and thereafter shall continue uninterruptedly under the existing terms and conditions until determined by either party after the expiration of the fifth or any subsequent year on giving **3 (Three) months'** prior notice in writing of such intention and at the expiration of such notice this Agreement shall absolutely cease and determine but without prejudice to the rights and remedies, if any, of either party which may have accrued or arisen hereunder in the meantime and provided that the Second Party shall on giving the First Party **3 (three) months'** prior notice in writing of such intention be at liberty at any time after the expiration of the fifth or any subsequent year to terminate this Agreement by making payment of the charges equal to water charges for one year as per Schedule of Rates (Annexed as Schedule-II) in force at that time.

17. TERMINATION :

If 'the **'Second Party'** commits any breach of the terms and conditions of this agreement or if there is any default on the part of **'the second Party'**, **'the First party'** will be at liberty to terminate this agreement upon one months' notice to 'the second party' without prejudice to the rights and remedies, if any, which may have accrued or arisen thereunder.

Sri Venkatesh Iron & Alloys (India) Ltd.


Authorised Signatory


वरिष्ठ मंडलीय अभियन्ता (असे०)
Sr. Divisional Engineer (C)
कार्यालय, प्रबंधक जलागार प्रचालन
M.R.O. Office
दा.घा.नि. मैथन /D.V.C. Maithon



DAMODAR VALLEY CORPORATION

P.O-MAITHON DAM,

Tel No. (06540) 279402/279683/279445; Fax No. 06540-274313

ANNEXURES

ENCLOSURES FORMING THE PART OF THE AGREEMENT:-

Annexure (1) to (4) mentioned below and annexed hereto shall form the integral part of this Agreement:-

- | | |
|------------------|--|
| (1) ANNEXURE-'A' | Schedule -I & Schedule -II |
| (2) ANNEXURE-'B' | Detail of the Company |
| (3) ANNEXURE-'C' | MD/DVRR/WA-6(PART-VIII/Venkatesh I&A Ltd/2019/887-93 dated 01.07.2019 of Member Secretary, DVRRRC, CWC, Maithon |
| (4) ANNEXURE-'D' | Letters No.- MRO/ Tariff Cell/412 dated 03.07.2019 & MRO/Water Tariff Cell/693 dated 08.11.2019 of Dy. Chief Engineer ©, Water Resources, DVC, Maithon |

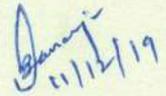
Sri Venkatesh Iron & Alloys (India) Ltd.

Authorised Signatory

For and on behalf of

**SRI VENKATESH IRON & ALLOYS
(INDIA) LTD**

Registered Office: Village - Lapanga,
P.O.- Bhadani Nagar, Distt.- Ramgarh,
Jharkhand, Pin.- 829105


01/12/19

CHIEF ENGINEER

For and on behalf of

दाघानि, मैथन डैम, धनबाद
Chief Engineer (Civil) & HoD
DAMODAR VALLEY CORPORATION
P.O. Maithon Dam, Dhanbad

Kolkata-700054

IN WITNESS WHEREOF THE PARTIES TO THESE PRESENTS HAVE HERE UNTO PUT THEIR REPECTIVE HANDS AND SEALS EACH THE DAY AND YEAR FIRST ABOVE WRITTEN.

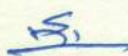
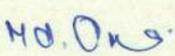
The Agreement along with Schedule of rates would come into effect on and from the date of commencement of water supply.


11/12/19

SIGNED, SEALED AND DELIVERED
FOR AND ON BEHALF OF
DAMODAR VALLEY CORPORATION

मुख्य अभियन्ता (सिविल) तथा विभागाध्यक्ष
दा०घा०नि०, मैथन डैम, धनबाद
Chief Engineer (Civil) & HoD
D.V.C. Maithon Dam, Dhanbad

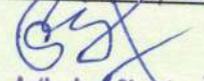
WITNESS

1. S.K. MAJE — 
DEB (C) WR.
2. 
NO. ONE

(Name & Address)

वरिष्ठ मंडलीय अभियन्ता (असै०)
Sr. Divisional Engineer (C)
कार्यालय, प्रबंधक जलागार प्रचालन
M.R.O. Office
दा.घा.नि. मैथन/D.V.C. Maithon

Sri Venkatesh Iron & Alloys (India) Ltd.


Authorised Signatory

SIGNED AND DELIVERED
FOR AND ON BEHALF OF
SRI VENKATESH IRON & ALLOYS (INDIA) LTD

Registered Office: Village - Lapanga, P.O.- Bhadani Nagar,
Distt.- Ramgarh, Jharkhand, Pin.- 829105

WITNESS

1.  (Sanjiv Chaudhary)
Hirapur, Chausad
2.  (Nandan Patel)
Ramgarh.

(Name & Address)

SCHEDULE- I

[Referred to in Clause-1(a)]

Quantity of Water allocated by DVRRC for drawal by M/s SRI VENKATESH IRON & ALLOYS (INDIA) LTD at LAPANGA Village - Lapanga, P.O.- Bhadani Nagar, Distt.- Ramgarh, Jharkhand, Pin.- 829105, 0.364 (Zero Point Three Six Four) MGD

From day of of two thousand and Nineteen the date of commencement of water drawal:

[N.B.: The quantity of raw water allocation as revised by DVRRC from time to time as per the provision of the agreement shall from the integral part of this agreement]

SCHEDULE- II

[Referred to in Clause-11]

SCHEDULE OF RATES(Effective from 1st April 2019)**FOR
RAW WATER SUPPLY**

SOURCES OF DRAWAL	INDUSTRIAL	DOMESTIC/MUNICIPALITY/P HED
	Rate	Rate
Reservoir / River (Per KL)	Rs. 10.64	Rs. 1.725
Extra Charges for drawing water from water supply canal (Per KL)	Rs. 0.52	

The Tariff will be enhanced annually at the end of every financial year (i.e. w.e.f. 1st April) as follows:

- (i) For Domestic/Municipality/PHED use - 05% shall be increased in raw water tariff annually.
(ii) For Industrial use - 10% shall be increased in raw water tariff annually.

Note: 1) The Water Supply Bills shall be raised on the basis of actual drawal quantity as for all the consumers with the above tariff.

2) An incentive of 10% on the monthly billed amount will be allowed to those Industries who have taken appropriate measures for 'Zero Effluent Discharge'. The said incentive will be applicable only if the payments are made within due date and on production of requisite certificate from State Pollution Control Authority.

N.B. : Revised rate will be applicable as and when notified by the Corporation.

Sri Venkatesh Iron & Alloys (India) Ltd.



Authorised Signatory

For and on behalf of

**SRI VENKATESH IRON & ALLOYS
(INDIA) LTD**

CHIEF ENGINEER

For and on behalf of

मुख्य अभियन्ता (सिविल) तथा विभागाध्यक्ष
दा०डा०नि० मैथन वैद्य धनबाद
Civil Engineer (Civil) & HoD
D.V.C. Maithon

DAMODAR VALLEY CORPORATION

Performa of information to be submitted by the company**DETAILS OF THE COMPANY****A. DETAILS OF APPLICANT:**

01.Name in Capital Letters	SRI KAMAL KUMAR AGARWAL
02.Designation	Director
03.Relationship with Intending Consumer	DIRECTOR OF THE COMPANY
04.Complete Postal Address	Village - Lapanga, P.O.- Bhadani Nagar, Distt.- Ramgarh, Jharkhand, Pin.- 829105
05.Telephone No.	93342-85107
06.FAX No.	
07.E.Mail Address	svi.rmg@gmail.com

B. DETAILS OF THE WATER CONSUMER:**1****Details of Registered Office:**

Registered Office	Postal Address:	Village - Lapanga, P.O.- Bhadani Nagar, Distt.- Ramgarh, Jharkhand, Pin.- 829105
	Telephone No. :	93342-85107
	FAX No. :	
	E.Mail Address :	svi.rmg@gmail.com

2**Details of Contact Person:**

NAME:	SHRI MISHANK KEDIA	
Contact Person	Postal Address:	Addi Bunglow, IMS Road, Jhumri Tilaiya, Distt.- Koderma, Jharkhand

Complete Billing Address:

Billing Address	Postal Address:	Village - Lapanga, P.O.- Bhadani Nagar, Distt.- Ramgarh, Jharkhand, Pin.- 829105
	Telephone No. :	93342-85107
	FAX No. :	
	E.Mail Address :	svi.rmg@gmail.com

C. DETAILS OF PROJECT/UNIT/PUMP LOCATION ETC.:

01. Name of the Village/Place	LAPANGA
02. Plot no.	895
03. Dag No.	
04. Mouza Name & No.	LAPANGA
05. J.L. No.	47
06. Police Station Name & No.	Patratu (P.O. - Bhadani Nagar)- 56
07. Name of Post Office with PIN	Bhadani Nagar, PIN.- 829105
08. District	Ramgarh
09. Postal Address of the Plant/ Unit site	Village - Lapanga, P.O.- Bhadani Nagar, Distt.- Ramgarh, Jharkhand, Pin.- 829105
10. Point of Water Withdrawal/	LAPANGA (L 23038'27" N & L 85025'58.7" E)
Telephone No.	93342-85107
FAX No.	
E.Mail Address	svi.rmg@gmail.com
11. Location of Water Treatment Plant	Lapanga

13. Number of pumps installed	
14. Capacity of pumps	
15. Location of water meter	Lapanga
16. Location of Intake point	Lapanga
17. Quantum of water withdrawal in MGD (approved by DVRRC)	0.364 (Zero Point Three Six Four) MGD
18. Date of Commencement of water withdrawal from pumping station (to be filled up later)	01.01.2017. 

D.

DETAILS OF RAW WATER USAGE:

(Attach Separate sheet, if necessary, giving details):

(1) DRI Plant - 240 Cubic Metre per day
(2) SMS & CCM - 200 Cubic Metre per day
(3) Power Plant- 1200 Cubic Metre per day
(4) Drinking & Sanitation - 10 Cubic Metre per day
(5) Plantation & Env.- 5 Cubic Metre per day
Total 1655 Cubic Metre per day

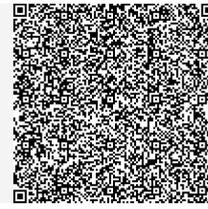
Sri Venkatesh Iron & Alloys (India) Ltd.


Authorised Signatory

Signature with full name of person
signing the Agreement & Stamp/ Seal of Company

Annexure 2
Tax invoices and balance sheets of
dolochar sales

Government of India e-
Invoice System



e-Invoice Details

IRN e01f9f5c1f4cbcbdebfdded80a3a96cb98dd9e0a1129afcef704c6ce136216a
db

Ack. No 142414185991650

Ack. Date 2024-01-27 15:38:00

TAX INVOICE NO 3084

TAX INVOICE DATE 27/01/2024

Tax Invoice
Sri Venkatesh Iron & Alloys (I) Ltd.

EWAY BILL NO

481407270960

EWAY BILL DATE

27/01/2024

VILL-LAPANGA
PO-BHADANINAGAR
RAMGARH, Jharkhand
829105

GSTIN : 20AAICS6981M1ZV
PAN Number: AAICS6981M
CIN Number: U27100WB2005PLC139430
State Name: Jharkhand Code: 20

BILL TO

M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
BELIABERAN
BELIABERAN
Bansberia, West Bengal
India 721517
GSTIN : 19AIDPM7776N1ZC
State Name: West Bengal Code: 19

SHIP TO

M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
BELIABERAN
BELIABERAN
Bansberia, West Bengal
India 721517
GSTIN : 19AIDPM7776N1ZC
State Name: West Bengal Code: 19

PLACE OF SUPPLY

West Bengal

Transporter Name

Mode of Transportation

GR No.

Veh No.

JH02Y9516

Distance of Transportation

Remark

SI No.	ITEM DESCRIPTION	HSN/SAC	Qty	UOM	PRICE PER UNIT	DISCOUNT	GST	Tax Amount	Total Value
1	DOLOCHAR	26190090	25.04	MTS	Rs. 300.00	Rs. 0.00	IGST: Rs. 1,352.16 (18%)	Rs. 1,352.16	Rs. 8,864.16

Amount In Words
Eight Thousand Eight Hundred Sixty Four Rupees

Assessable Value	Rs. 7,512.00
Discount	Rs. 0.00
IGST	Rs. 1,352.16
Rounding Off	Rs. -0.16
Total	Rs. 8,864.00

HSN/SAC	Taxable Value	Integrated Tax		Total Tax Amount
		Rate	Amount	
26190090	7,512.00	18%	1,352.16	1,352.16
Total	7,512.00		1,352.16	1,352.16

For SRI VENKATESH IRON & ALLOYS (I) LTD

Authorised Signatory

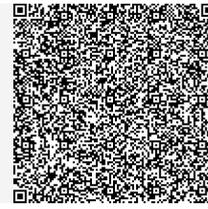
BANK DETAILS.

Payee Name : Sri Venkatesh Iron & Alloys (India) Limited
Bank Account Number : State Bank of India.
Bank Account Number : 30028080630
IFSC CODE : SBIN0009620

NOTES - ALL DISPUTES SUBJECT TO RAMGARH JURISDICTION

This is a Computer Generated Invoice

Government of India e-
Invoice System



e-Invoice Details

IRN 1e774236fc212b9a1ccfed44b5c7cb8572aad404539a3a799b6d7cf6dc116cac

Ack. No 142414327425799

Ack. Date 2024-02-19 13:58:00

TAX INVOICE NO 3356

TAX INVOICE DATE 19/02/2024

Tax Invoice
Sri Venkatesh Iron & Alloys (I) Ltd.

EWAY BILL NO

491414313152

EWAY BILL DATE

19/02/2024

VILL-LAPANGA
PO-BHADANINAGAR
RAMGARH, Jharkhand
829105

GSTIN : 20AAICS6981M1ZV
PAN Number: AAICS6981M
CIN Number: U27100WB2005PLC139430
State Name: Jharkhand Code: 20

BILL TO

M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
BELIABERAN
BELIABERAN
Bansberia, West Bengal
India 721517
GSTIN : 19AIDPM7776N1ZC
State Name: West Bengal Code: 19

SHIP TO

M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
BELIABERAN
BELIABERAN
Bansberia, West Bengal
India 721517
GSTIN : 19AIDPM7776N1ZC
State Name: West Bengal Code: 19

PLACE OF SUPPLY

West Bengal

Transporter Name

Mode of Transportation

GR No.

Veh No.

JH05DJ 8294

Distance of Transportation

Remark

SI No.	ITEM DESCRIPTION	HSN/SAC	Qty	UOM	PRICE PER UNIT	DISCOUNT	GST	Tax Amount	Total Value
1	DOLOCHAR	26190090	35.27	MTS	Rs. 300.00	Rs. 0.00	IGST: Rs. 1,904.58 (18%)	Rs. 1,904.58	Rs. 12,485.58

Amount In Words
Twelve Thousand Four Hundred Eighty Six Rupees

Assessable Value	Rs. 10,581.00
Discount	Rs. 0.00
IGST	Rs. 1,904.58
Rounding Off	Rs. 0.42
Total	Rs. 12,486.00

HSN/SAC	Taxable Value	Integrated Tax		Total Tax Amount
		Rate	Amount	
26190090	10,581.00	18%	1,904.58	1,904.58
Total	10,581.00		1,904.58	1,904.58

For SRI VENKATESH IRON & ALLOYS (I) LTD

Authorised Signatory

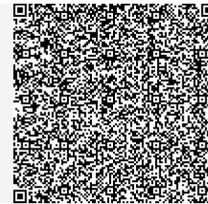
BANK DETAILS.

Payee Name : Sri Venkatesh Iron & Alloys (India) Limited
Bank Account Number : State Bank of India.
Bank Account Number : 30028080630
IFSC CODE : SBIN0009620

NOTES - ALL DISPUTES SUBJECT TO RAMGARH JURISDICTION

This is a Computer Generated Invoice

Government of India e-
Invoice System



e-Invoice Details

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TAX INVOICE NO 3905
TAX INVOICE DATE 29/03/2024

Tax Invoice
Sri Venkatesh Iron & Alloys (I) Ltd.

EWAY BILL NO 461427069748
EWAY BILL DATE 29/03/2024

VILL-LAPANGA
PO-BHADANINAGAR
RAMGARH, Jharkhand
829105
GSTIN : 20AAICS6981M1ZV
PAN Number: AAICS6981M
CIN Number: U27100WB2005PLC139430
State Name: Jharkhand Code: 20

BILL TO
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
BELIABERAN
BELIABERAN
Bansberia, West Bengal
India 721517
GSTIN : 19AIDPM7776N1ZC
State Name: West Bengal Code: 19

SHIP TO
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
M/S RAJU BRICKS AND RAJU FLY ASH BRICKS
BELIABERAN
BELIABERAN
Bansberia, West Bengal
India 721517
GSTIN : 19AIDPM7776N1ZC
State Name: West Bengal Code: 19

PLACE OF SUPPLY
West Bengal

Transporter Name

Mode of Transportation

GR No.

Veh No.

JH02Y 9516

Distance of Transportation

Remark

SI No.	ITEM DESCRIPTION	HSN/SAC	Qty	UOM	PRICE PER UNIT	DISCOUNT	GST	Tax Amount	Total Value
1	DOLOCHAR	26190090	27.06	MTS	Rs. 300.00	Rs. 0.00	IGST: Rs. 1,461.24 (18%)	Rs. 1,461.24	Rs. 9,579.24

Amount In Words
Nine Thousand Five Hundred Seventy Nine Rupees

Assessable Value	Rs. 8,118.00
Discount	Rs. 0.00
IGST	Rs. 1,461.24
Rounding Off	Rs. -0.24
Total	Rs. 9,579.00

HSN/SAC	Taxable Value	Integrated Tax		Total Tax Amount
		Rate	Amount	
26190090	8,118.00	18%	1,461.24	1,461.24
Total	8,118.00		1,461.24	1,461.24

For SRI VENKATESH IRON & ALLOYS (I) LTD

Authorised Signatory

BANK DETAILS.

Payee Name : Sri Venkatesh Iron & Alloys (India) Limited
Bank Account Number : State Bank of India.
Bank Account Number : 30028080630
IFSC CODE : SBIN0009620

NOTES - ALL DISPUTES SUBJECT TO RAMGARH JURISDICTION

This is a Computer Generated Invoice

Sri Venkatesh Iron & Alloys (India) Ltd. - F.Y-2023-24

Village - Lapanga

P.O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

Dolachar

Monthly Summary

1-Apr-23 to 31-Mar-24

	<i>Dolachar</i>		
	Sri Venkatesh Iron & Alloys (India) Ltd. 2023-24(F)		
Particulars	1-Apr-23 to 31-Mar-24		
	Inwards	Outwards	Closing Balance
	Quantity	Quantity	Quantity
<i>Opening Balance</i>			24738.260 MT
April	3976.000 MT	3798.380 MT	24915.880 MT
May	4410.000 MT	2380.070 MT	26945.810 MT
June	4438.000 MT	1886.000 MT	29497.810 MT
July	4109.000 MT	3821.090 MT	29785.720 MT
August	4005.000 MT	4088.730 MT	29701.990 MT
September	2554.000 MT	2024.360 MT	30231.630 MT
October	2408.000 MT	2717.770 MT	29921.860 MT
November	3560.000 MT	2642.200 MT	30839.660 MT
December	3352.000 MT	2004.540 MT	32187.120 MT
January	3685.000 MT	2993.320 MT	32878.800 MT
February	4438.000 MT	4860.500 MT	32456.300 MT
March	4473.000 MT	5030.210 MT	31899.090 MT
Grand Total	45408.000 MT	38247.170 MT	31899.090 MT

SRI VENKATESH IRON & ALLOYS (I) LTD FY-2024-25 UP TO OCT.24

Village - Lapanga

P. O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

Dolachar

Monthly Summary

1-Apr-24 to 31-Oct-24

	<i>Dolachar</i>		
	SRI VENKATESH IRON & ALLOYS (I) LTD 2024-25 UPTO OCT.24		
Particulars	1-Apr-24 to 31-Oct-24		
	Inwards	Outwards	Closing Balance
	Quantity	Quantity	Quantity
<i>Opening Balance</i>			31899.090 MT
April	3928.000 MT	4421.810 MT	31405.280 MT
May	4550.000 MT	2733.180 MT	33222.100 MT
June	3913.000 MT	820.510 MT	36314.590 MT
July	3959.000 MT	1202.580 MT	39071.010 MT
August	3937.000 MT	1357.380 MT	41650.630 MT
September	3045.000 MT	2463.530 MT	42232.100 MT
October	3274.000 MT	3519.650 MT	41986.450 MT
Grand Total	26606.000 MT	16518.640 MT	41986.450 MT

Sri Venkatesh Iron & Alloys (India) Ltd. - F.Y.-2022-23

Village - Lapanga

P.O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

Dolachar

Monthly Summary

1-Apr-22 to 31-Mar-23

	<i>Dolachar</i>		
	Sri Venkatesh Iron & Alloys (India) Ltd. 2022-23		
Particulars	1-Apr-22 to 31-Mar-23		
	Inwards	Outwards	Closing Balance
	Quantity	Quantity	Quantity
<i>Opening Balance</i>			28982.890 MT
April	2206.000 MT	3897.370 MT	27291.520 MT
May	2827.000 MT	7795.670 MT	22322.850 MT
June	2938.000 MT	1694.630 MT	23566.220 MT
July	2750.000 MT	4151.000 MT	22165.220 MT
August	2994.000 MT	3231.770 MT	21927.450 MT
September	2862.000 MT	2502.960 MT	22286.490 MT
October	3904.000 MT	2699.080 MT	23491.410 MT
November	3870.000 MT	1177.830 MT	26183.580 MT
December	3822.000 MT	4243.020 MT	25762.560 MT
January	3544.000 MT	4891.310 MT	24415.250 MT
February	4532.000 MT	3685.360 MT	25261.890 MT
March	4114.000 MT	4637.630 MT	24738.260 MT
Grand Total	40363.000 MT	44607.630 MT	24738.260 MT

Annexure 3
Copy of Monitoring Report



SCIENTIFIC RESEARCH LABORATORY

An ISO 9001:2015 (QMS) & OHSMS 45001:2018 Certified Organization

Accredited by Jharkhand State Pollution Control Board

Analytical & Environmental Engineering Laboratory

Address: C-144, Aman Green City, Road No. 04, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC 11163

TEST REPORT

ULR No.: TC111632500000979F	Test Report No.	: SRL/R/AAQ/OCT/25/1000
Customer's Name & Address;	Report Issue Date	: 14.10.2025
M/s Sri Venkatesh Iron & Alloys (I) Limited.	Type of Sample	: Ambient Air
At.: Lapanga, P.O.: Bhadani Nagar,	Date of Sampling	: 06.10.2025 to 07.10.2025
P.S.: Bhadani Nagar, District: Ramgarh,	Sample Receipt Date	: 07.10.2025
Jharkhand.	Analysis Date	: 07.10.2025 to 10.10.2025
(Application No.: 23814052 dated 15.09.2025)	Sample Collected by	: SRL Team
	Sample Condition	: Sealed and refrigerated

Weather Condition: Partly Cloudy	Ambient Temperature (°C) : 29	Relative Humidity (%) : 72
Atmospheric Pressure (mmHg): 757	Wind Speed (km/hr.) : 2.0	Wind Direction : SSW

TEST RESULTS

Sl. No.	Parameters	Unit	Results	Standards Value*	Test Method
1. Sampling Location: Near Main Entry Gate (Beside Weigh Bridge)					
I.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	95.00	100	IS: 5182 (Part- 23) 2006
II.	Respirable Particulate Matter (PM _{2.5})	µg/m ³	56.00	60	IS: 5182 (Part- 24) 2006
III.	Sulphur Dioxide (SO ₂)	µg/m ³	11.30	80	IS: 5182 (Part- 2) 2001
IV.	Nitrogen Dioxide (NO ₂)	µg/m ³	24.50	80	IS: 5182 (Part- 6) 2006
2. Sampling Location: Near Raw Material Storage Yard					
I.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	91.00	100	IS: 5182 (Part- 23) 2006
II.	Respirable Particulate Matter (PM _{2.5})	µg/m ³	53.00	60	IS: 5182 (Part- 24) 2006
III.	Sulphur Dioxide (SO ₂)	µg/m ³	10.80	80	IS: 5182 (Part- 2) 2001
IV.	Nitrogen Dioxide (NO ₂)	µg/m ³	23.40	80	IS: 5182 (Part- 6) 2006
3. Sampling Location: Beside Newly Constructed TG Building					
I.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	87.00	100	IS: 5182 (Part- 23) 2006
II.	Respirable Particulate Matter (PM _{2.5})	µg/m ³	49.00	60	IS: 5182 (Part- 24) 2006
III.	Sulphur Dioxide (SO ₂)	µg/m ³	10.50	80	IS: 5182 (Part- 2) 2001
IV.	Nitrogen Dioxide (NO ₂)	µg/m ³	23.00	80	IS: 5182 (Part- 6) 2006

Remarks: All the monitored parameters are within the prescribed limit.

*National Ambient Air Quality Standards (NAAQS), 2009.

Note:

1. The results relate only to the items sampled and tested.
2. Test report shall not be reproduced except in full without written approval of the laboratory.

Niraj

Reviewed and issued by:
(Dr. Niraj Kumar Singh)
Authorized Signatory

-- End of the Report --



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Analytical & Environmental Engineering Laboratory

Address: C-144, Aman Green City, Road No. 04, Pundag, Ranchi- 834 004, Jharkhand

Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC 11163

TEST REPORT

ULR No.: TC111632500000980F	Test Report No.	: SRL/R/N/OCT/25/1001
Customer's Name & Address;	Report Issue Date	: 14.10.2025
M/s Sri Venkatesh Iron & Alloys (I) Limited. At.: Lapanga, P.O.: Bhadani Nagar, P.S.: Bhadani Nagar, District: Ramgarh, Jharkhand. (Application No.: 23814052 dated 15.09.2025)	Type of Sample	: Ambient Noise
	Date of Sampling	: 06.10.2025 to 07.10.2025
	Sample Receipt Date	: 07.10.2025
	Analysis Date	: 08.10.2025
	Sample Collected by	: SRL Team
	Weather Condition	: Partly Cloudy
	Atmospheric Temp.(°C)	: 29
	Test Method	: IS 9989

AMBIENT NOISE MONITORING DATA

Sl. No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)	
			Day Time (06.00-22.00 hr.)	Night Time (22.00-06.00 hr.)
1.	Near Main Entry Gate (Beside Weigh Bridge)	06.10.2025 to 07.10.2025	66.7	63.5
2.	Near Raw Material Storage Yard	06.10.2025 to 07.10.2025	61.8	60.2
3.	Beside Newly Constructed TG Building	06.10.2025 to 07.10.2025	60.5	57.6

Remarks: Measured noise levels were well within the prescribed norms.

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi,
Industrial Area : Day Time 75 dB(A) Leq and Night Time 70 dB(A) Leq
Commercial Area : Day Time 65 dB(A) Leq and Night Time 55 dB(A) Leq
Residential Area : Day Time 55 dB(A) Leq and Night Time 45 dB(A) Leq
Silence Zone : Day Time 50 dB(A) Leq and Night Time 40 dB(A) Leq

Niraj

Reviewed and issued by:
Dr. Niraj Kumar Singh
(Authorized Signatory)

-- End of the Report --

TEST REPORT

ULR No.: TC111632500000981F	Test Report No.	: SRL/R/ST/OCT/25/1002
Customer's Name & Address;	Report Issue Date	: 14.10.2025
M/s Sri Venkatesh Iron & Alloys (I) Limited. At.: Lapanga, P.O.: Bhadani Nagar, P.S.: Bhadani Nagar, District: Ramgarh, Jharkhand. (Application No.: 23814052 dated 15.09.2025)	Type of Sample	: Stack Emission
	Date of Sampling	: 06.10.2025
	Sample Receipt Date	: 07.10.2025
	Analysis Date	: 07.10.2025 to 10.10.2025

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 1 (Kiln 1 & 2)
Emission due to	: Burning of Coal
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 42
Height of the sampling point from ground level (in meter)	: 10
Diameter of the stack at sampling point (in meter)	: 1.80
Fuel used & Consumption	: Coal & 220 TPD
Production Capacity	: 2 x 100 TPD
Stack connected to	: ESP

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	30	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	126	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	756	-
Stack gas velocity, (m/sec)	7.29	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	49,982	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	4.35	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	6.2	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	<0.2	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	97	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	61	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	87	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 87 mg/Nm³ against prescribed limit of 100 mg/NM³.

Note:

1. The results relate only to the items sampled and tested.
2. Test report shall not be reproduced except in full without written approval of the laboratory.

Niraj

Reviewed & issued by;
Dr. Niraj Kumar Singh
(Authorized Signatory)

-- End of Report --



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Tele No.: 0651-4057244, Mobile: 94701 30700, E-mail: srlranchilab@gmail.com



TC 11163

TEST REPORT

ULR No.: TC111632500000982F	Test Report No.	: SRL/R/ST/OCT/25/1003
Customer's Name & Address;	Report Issue Date	: 14.10.2025
M/s Sri Venkatesh Iron & Alloys (I) Limited. At.: Lapanga, P.O.: Bhadani Nagar, P.S.: Bhadani Nagar, District: Ramgarh, Jharkhand. (Application No.: 23814052 dated 15.09.2025)	Type of Sample	: Stack Emission
	Date of Sampling	: 06.10.2025
	Sample Receipt Date	: 07.10.2025
	Analysis Date	: 07.10.2025 to 10.10.2025

A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack number if any	: Stack – 2 (Kiln 3 & 4)
Emission due to	: Burning of Raw Materials/ Scrap
Material of construction of stack	: M.S.
Shape of stack	: Circular
Whether stack is provided with permanent platform/ ladder	: Yes
Height of the stack from ground level (in meter)	: 42
Height of the sampling point from ground level (in meter)	: 22
Diameter of the stack at sampling point (in meter)	: 1.80
Fuel used & Consumption	: Coal & 220 TPD
Production Capacity	: 2 x 100 TPD
Stack connected to	: ESP

B. DETAIL OF STACK EMISSION SAMPLING AND TEST REPORT

Parameters (Units)	Results	Test Method
Ambient air temperature (°C)	31	IS 11255 (Part 3): 2008 RA 2013
Stack gas temperature, (°C)	130	IS 11255 (Part 3): 2008 RA 2013
Barometric Pressure, (mm of Hg)	757	-
Stack gas velocity, (m/sec)	7.53	IS 11255 (Part 3): 2008 RA 2013
Volumetric flow rate (in Nm ³ /hr),	51,115	IS 11255 (Part 3): 2008 RA 2013
Emission rate (in kg/hr)	4.14	IS 11255 (Part 3): 2008 RA 2013
Conc. of Carbon dioxide, (% v/v by Orsat method)	6.2	IS 13270; 1992 RA 2019
Conc. of Carbon monoxide, (% v/v by Orsat method)	<0.2	IS 13270; 1992 RA 2019
Conc. of Sulphur Dioxides, mg/Nm ³	95	IS: 11255 (Part 2) 1985 RA 2019
Conc. of Oxides of Nitrogen, mg/Nm ³	58	IS: 11255 (Part 7) 2005 RA 2017
Conc. of Particulate Matter, mg/Nm ³	81	IS: 11255 (Part 1) 1985 RA 2019

Remarks: Dust concentration was found 81 mg/Nm³ against prescribed limit of 100 mg/NM³.

Note:

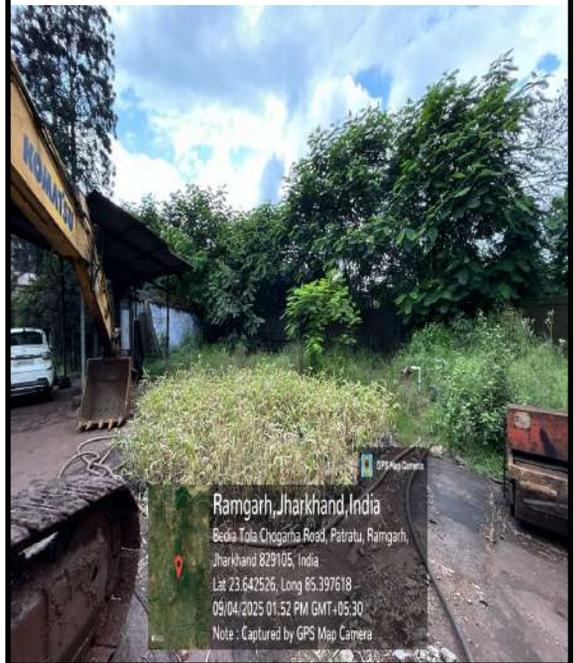
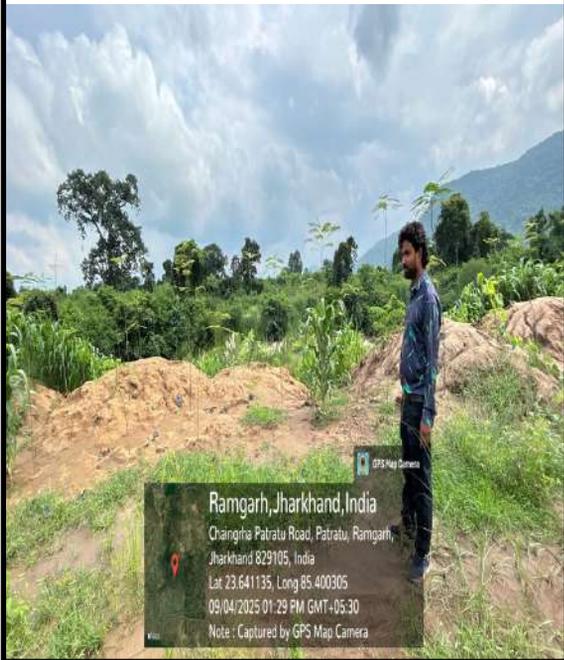
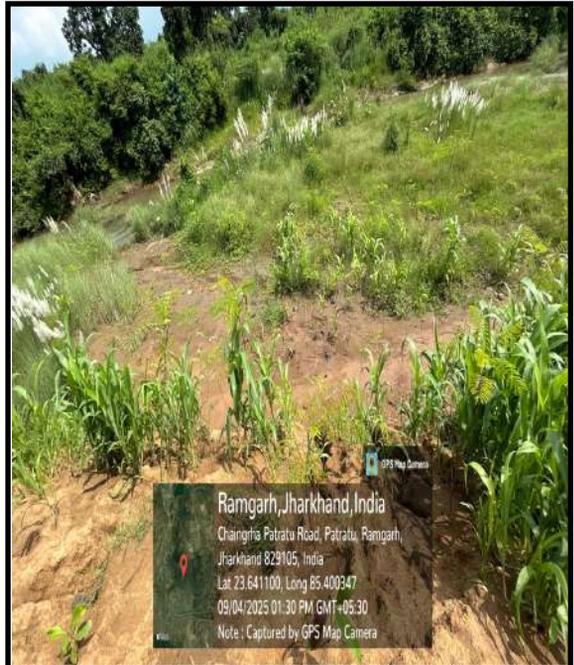
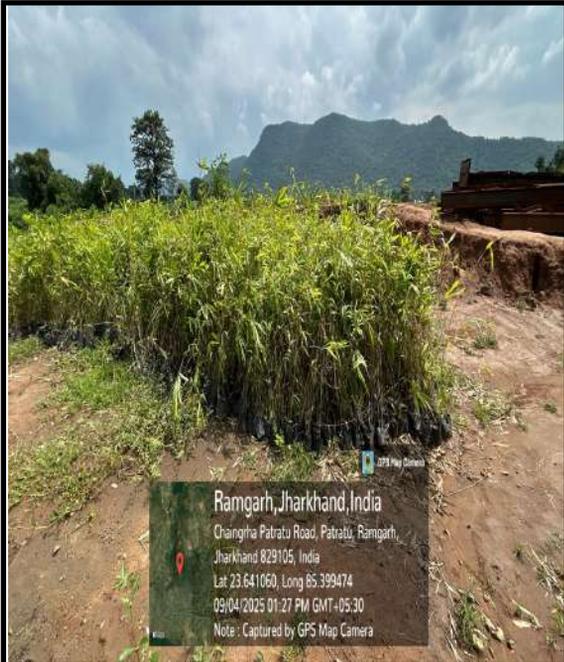
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Niraj

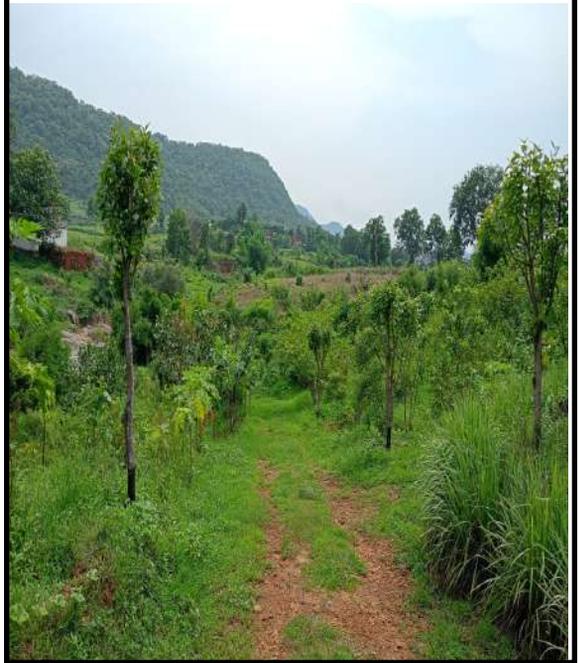
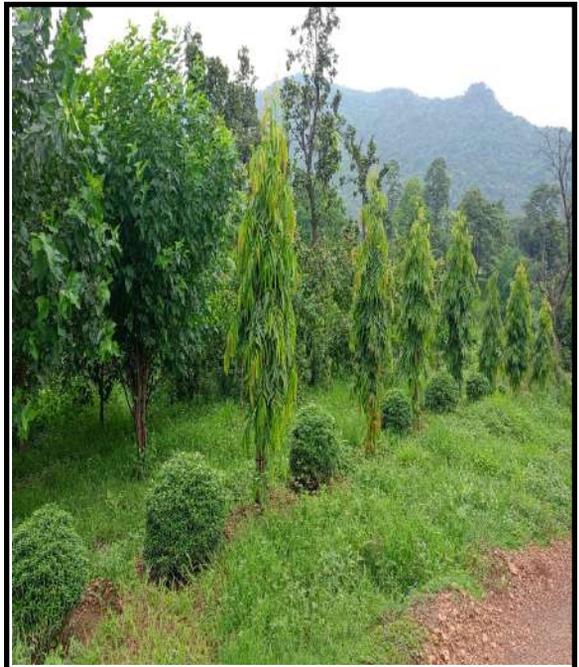
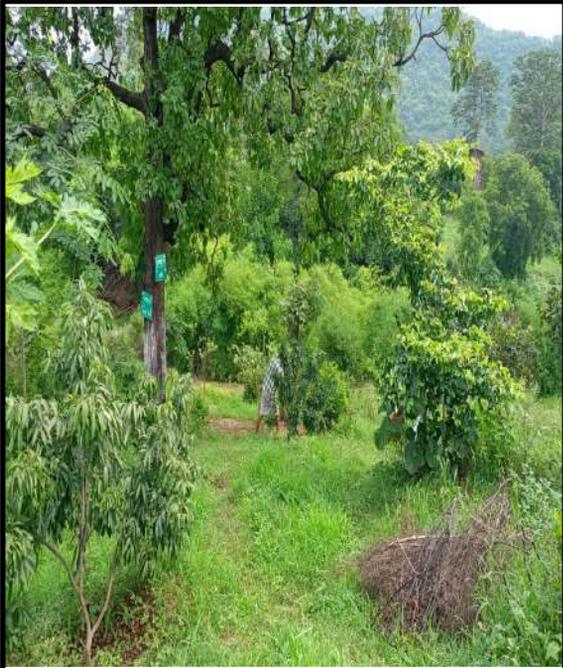
Reviewed & issued by;
Dr. Niraj Kumar Singh
(Authorized Signatory)

-- End of Report --

Annexure 4
Photographs of plantation



Photographs of plantation



Photographs of plantation

Annexure 5

**CER expenses details and CSR annual
report for FY 2020-2021, 2021-2022 and
2023-2024**

Newspaper cutting about plantation work undertaken by the company under CER

सार-संक्षेप

हरियाली के साथ-साथ रोजगार के अवसर को भी दिया जाएगा बढ़ावा : हर्ष कोडिया

भारकुंडा। श्री वैकटेश आयरण एंड एलॉयज (ई.) लिमिटेड के डिप्टी मैनेजर हर्ष कोडिया के अनुसार पर परिसर को क्षेत्र में इकाईयों की परियोजना के अंतर्गत पीछे लगाया गए। इस दौरान आम, आम्र, लीची, पीपल, खरबूट आदि पीछे लगाये गए। पीछे पर डिप्टी मैनेजर हर्ष कोडिया ने कहा कि क्षेत्र में हरियाली के साथ-साथ रोजगार के अवसर को भी बढ़ावा दिया जाएगा। उन्होंने कहा कि हमारे कारखाने एवं समुदाय को भी बहुत गहरा संबंध है। पेड़ प्रत्यक्ष एवं अप्रत्यक्ष दोनों तरह से हमारे लिए अत्यंत उपयोगी हैं। डिप्टी मैनेजर ने रखते हुए हर्ष कोडिया ने कहा कि पेड़ लगाया जा रहा है। उन्होंने बताया कि पेड़ लगाने की जगह पेड़ लगाने के उपयुक्त स्थानों का चयन किया जा रहा है। श्री कोडिया ने कहा कि पेड़ लगाए जा रहे हैं। प्रत्यक्ष रूप से प्रदूषण को कम करने के लिए, पीपल, आम, लीची, आम्र, लीची, पीपल, खरबूट आदि लगाए जा रहे हैं। इस दौरान श्री कोडिया ने बताया कि डिप्टी मैनेजर हर्ष कोडिया के अधिकारी के अंतर्गत ही वे पीपल, आम, लीची, आम्र, लीची, पीपल, खरबूट आदि लगाए जा रहे हैं।

भारकुंडा (आजराद विधानी)। वैकटेश आयरण एंड एलॉयज (ई.) लिमिटेड द्वारा परिसर को प्लांट के डिप्टी मैनेजर हर्ष कोडिया ने बताया कि 2 100 फुटलटर के अंतर्गत पीपल, आम, लीची, आम्र, लीची, पीपल, खरबूट आदि लगाए जा रहे हैं। इस दौरान श्री कोडिया ने बताया कि डिप्टी मैनेजर हर्ष कोडिया के अधिकारी के अंतर्गत ही वे पीपल, आम, लीची, आम्र, लीची, पीपल, खरबूट आदि लगाए जा रहे हैं।

पर्यावरण की सुरक्षा हमसबों का दायित्व : हर्ष कोडिया

वैकटेश आयरण एंड एलॉयज (ई.) लिमिटेड ने किया पौधारोपण, संरक्षण का भी लिया संकल्प



वैकटेश आयरण एंड एलॉयज (ई.) लिमिटेड ने पौधारोपण कर संरक्षण का भी लिया संकल्प



भारकुंडा (आजराद विधानी)। वैकटेश आयरण एंड एलॉयज (ई.) लिमिटेड द्वारा परिसर को प्लांट के डिप्टी मैनेजर हर्ष कोडिया ने बताया कि 2 100 फुटलटर के अंतर्गत पीपल, आम, लीची, आम्र, लीची, पीपल, खरबूट आदि लगाए जा रहे हैं। इस दौरान श्री कोडिया ने बताया कि डिप्टी मैनेजर हर्ष कोडिया के अधिकारी के अंतर्गत ही वे पीपल, आम, लीची, आम्र, लीची, पीपल, खरबूट आदि लगाए जा रहे हैं।

Newspaper cutting about plantation work undertaken by the company



Distribution of Speaker, RO Drinking water at School

शिक्षण और स्वास्थ्य सेवाओं को बढ़ावा देना।

सीएसआर मद से किए जा रहे कार्य लिया जायजा

भदानीनगर | वैकटेश आयर्न एंड एलायज इंडिया लिमिटेड स्पंज फैक्ट्री लंपगा के द्वारा सीएसआर मद से चोरधरा पंचायत में कार्य किया जा रहा है। जिसका प्लान्ट जीएम मनीष शर्मा उर्फ मोनू ने जायजा लिया। मनीष शर्मा ने बताया कि फैक्ट्री के सीएसआर विभाग से उत्क्रमित मध्य विद्यालय चोरधरा में दो हजार स्कवायर फीट का पेवर ब्लॉक बिछाया जा रहा है, स्कूल में पंखा लगाया जा रहा, शौचालय की मरम्मत, वाटर प्यूरीफायर, दो पार्क बेंच लगाया गया है। इसके अलावे लंपगा कांटा घर, काली मंदिर, शिव मंदिर, तुरी टोला स्कूल परिसर में दो-दो पार्क बेंच लगाया गया है। उन्होंने कहा



कि प्लान्ट के आसपास हमेशा सीएसआर और अन्य विभाग के द्वारा सामाजिक कार्य किया जाता है। पौधरोपण, कंबल वितरण, मेडिकल कैम्प सहित अन्य कार्य। मौके पर मुखिया रामनारायण कुमार, भाजपा भदानीनगर मंडल उपाध्यक्ष अनूप कुमार ठक्कर मौजूद थे।



Paper Cutting about CSR

Const. of Toilets



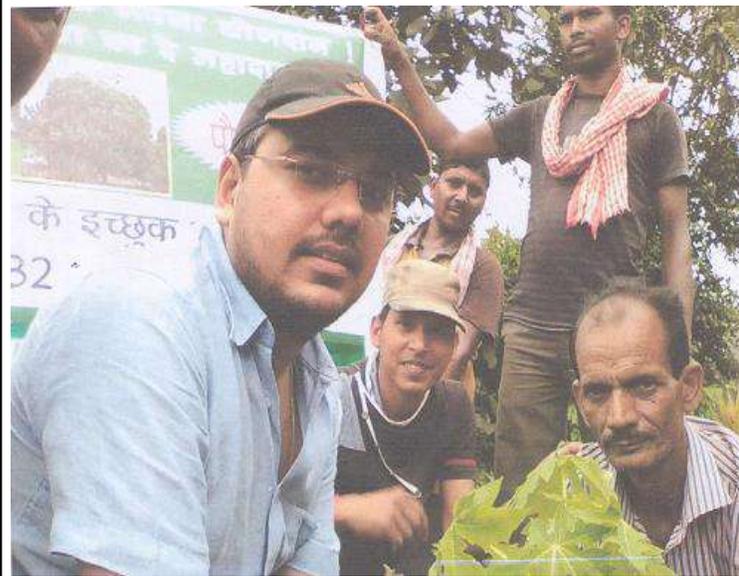
Const. School Gate



Const. of Toilets



Distribution of Shelves, Fan at School



Distribution of Plants to public under CER



Ambulance handed over to District Collect, Ramgarh Jharkhand



Benches for public has been provided in nearby villages

Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehfa Building, Thana Chowk, Near Hotel Treet, Ramgarh-829122
Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 9334285107

Ref. No. :

Date :

Purchase Order

Ref: SVI/PO/Solar Light/01/25

Date: 13.01.2025

To,
M/S KON REAL INFRA
606, Opposite Goushala, Harmu Road
Rnachi-834001 (Jharkhand)

Sub: Purchase Order for Solar Street Light- 100 Sets

With reference to Your Quotation dated 10.01.2025 and our discussion we had with you /your representative, we are pleased to release our purchase order on you as follows:

Sr. No	Description	Quantity	Unit price (Rs)	Total Price (Rs.)
1	Solar Street Light set 20 Watt LED Luminary with 18 ah lithium battery, 50 watt Solar module, 6 mtrs G.I Pole with bracket.	100 SET	13000/- per SET (Including GST and transporting and installation)	Rs.1300000.00
Total Amount- Rupees Thirteen Lacs				Rs.1300000.00

Payment terms: 80% Advance Payment after Confirmation P.O. and Balance 20 % after dispatch and Successfully installation.

Delivery: Immediate

Warranty: 12 Month from the date of commissioning whichever is earlier.

Dispatch Instruction:

Billing address: Vill- Lapanga, P.O.- Lapanga, Dist- Ramgarh -829105 (Jharkhand)

Dispatch Address: Vill- Lapanga, P.O.- Lapanga, Dist- Ramgarh -829105 (Jharkhand)

GSTIN: AAICS6981M1ZV **PAN:** AAICS6981M

Please acknowledge the same and send your P.O. Acceptance and your Bank detail.

Thanking you,



P.O. Acceptance
KON REAL INFRA
14/01/25

TAX INVOICE

e-Invoice



Invoice No. : 1c8f6344a3034c2b8f79445a06b51efe7ac43ec8e991-04ea2e6e5776531217e8
 AC No. : 142516542116868
 Invoice Date : 23-Jan-25

SEEMA AGENCIES Shivaji Road Ramgarh Cantt GIN/UN : 20ACDPJ3211H1ZG State Name : Jharkhand, Code : 20 E-Mail : seema.rmg@gmail.com		Invoice No. SA/24-25/RS/4630	Dated 23-Jan-25
Consignee (Ship to) Venketesh Iron & Alloy (India) Ltd Villa- Lapanga, Bhadaninagar, Ramgarh, Jharkhand GIN/UN : 20AAICS6981M1ZV State Name : Jharkhand, Code : 20 E-Mail : svistores2016@gmail.com		Delivery Note 4630	Mode/Terms of Payment
Buyer (Bill to) Venketesh Iron & Alloy (India) Ltd Villa- Lapanga, Bhadaninagar, Ramgarh, Jharkhand GIN/UN : 20AAICS6981M1ZV State Name : Jharkhand, Code : 20 Place of Supply : Jharkhand E-Mail : svistores2016@gmail.com		Reference No. & Date C dt. 23-Jan-25	Other References
		Buyer's Order No.	Dated
		Dispatch Doc No.	Delivery Note Date 23-Jan-25
		Dispatched through SELF	Destination
		Terms of Delivery	

SI	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	per	Disc. %	Amount
	orient Rapid Ceiling Fan	84145120	18 %	3 nos	1,186.44	nos		3,559.32
	Output CGST							320.34
	Output SGST							320.34
	Total			3 nos				4,200.00 ₹

Amount Chargeable (in words) **Four Thousand Two Hundred INR Only** E & O E

Customer's PAN : **ACDPJ3211H**
 Declaration : I declare that this invoice shows the actual price of the goods described and that all particulars are true and correct will be charged @21% P.A if bill is not paid within 15 days.
 Company's Bank Details :
 Bank Name : **SBI A/c-34714137987**
 A/c No. : **34714137987**
 Branch & IFS Code : **RAMGARH BAZAR & SBIN0012815**

Customer's Seal and Signature _____ for SEEMA AGENCIES

 Authorised Signatory

Tax Invoice

SMART SERVICES OPF FOOTBALL GROUND J.K MARKET, MAIN ROAD, RAMGARH CANTT JHARKHAND, 829122, MOB - 9204040001 GSTIN/UIN: 20AGZPA8711D2ZN State Name : Jharkhand, Code : 20 E-Mail : smartservices.hz@gmail.com	Invoice No.	Dated
	332	14-Jan-25
Buyer (Bill to) SRI VENKATESH IRON & ALLOYS (INDIA) LTD LAPANGA BHADANI NAGAR RAMGARH GSTIN/UIN : 20AAICS6981M1ZV State Name : Jharkhand, Code : 20	Delivery Note	Mode/Terms of Payment
	Reference No. & Date.	Other References
	742 dt. 14-Jan-25	
	Buyer's Order No.	Dated
	Dispatch Doc No.	Delivery Note Date
	Dispatched through	Destination
	Terms of Delivery	

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Amount
1	Kent Grand Plus KR2401019780	842199	1 PCS	18,000.00	15,254.24	PCS	15,254.24
2	KENT PRE-FILTER SET	842199	1 PCS	1,000.00	847.46	PCS	847.46
							16,101.70
							1,449
							1,449
	OUTPUT CGST						
	OUTPUT SGST						
	Total		2 PCS				₹ 19,000.

Mack
15/01/25

Amount Chargeable (in words) E &

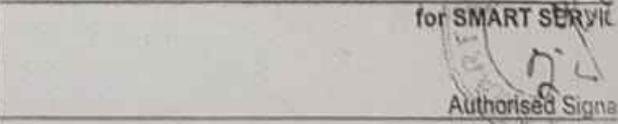
INR Nineteen Thousand Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amt.
		Rate	Amount	Rate	Amount	
842199	16,101.70	9%	1,449.15	9%	1,449.15	2,898.30
Total	16,101.70		1,449.15		1,449.15	2,898.30

Tax Amount (in words) : **INR Two Thousand Eight Hundred Ninety Eight and Thirty paise Only**

Company's Bank Details
 Bank Name : CANARA BANK
 A/c No. : 2515201000780
 Branch & IFS Code : RAMGARH & CNRB0002515

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for SMART SERVICES

 Authorised Signa

Tax Invoice

BHARAT DEVELOPERS Behind Vishal Megamart Thana Chowk Ramgarh Cantt Ramgarh Cantt- 829122 GSTIN/UIN: 20ABSF3240M1Z5 State Name : Jharkhand, Code : 20 E-Mail : developersbharat@gmail.com	Invoice No. BD/TI/24-25/02	Dated 20-Jan-25
	Delivery Note	
	Reference No. & Date.	Other References
	Buyer's Order No.	Dated
	Dispatch Doc No.	Delivery Note Date
	Dispatched through	Destination RAMGARH
Buyer (Bill to) SRI VENKATESH IRON AND ALLOYS INDIA LIMITED SRI VENKATESH IRON AND ALLOYS INDIA LTD, AT- LAPANGA, P.O.- BHADANI NAGAR, LAPANGA- BHADANI NAGAR, Ramgarh, Jharkhand, 829105 GSTIN/UIN : 20AAICS6981M1ZV State Name : Jharkhand, Code : 20 Place of Supply : Jharkhand		

SI No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	per	Disc. %	Amount
1	Construction Work	995421	18 %					40,000.00
	CGST							3,600.00
	SGST							3,600.00
Total								₹ 47,200.00

Amount Chargeable (in words) **INR Forty Seven Thousand Two Hundred Only** E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
995421	40,000.00	9%	3,600.00	9%	3,600.00	7,200.00
Total	40,000.00		3,600.00		3,600.00	7,200.00

Tax Amount (in words) : **INR Seven Thousand Two Hundred Only**

Remarks:
 Repair and Maintenance work for 4 Nov. of toilets with plumbing and painting work at utkranit Madhya, vidyalay, Lapanga, Patratu, dist.Ramgarh pin 829105
 Company's PAN : **ABSF3240M**
Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Customer's Seal and Signature	for BHARAT DEVELOPERS Authorized Signatory
-------------------------------	--

OPP FOOTBALL GROUND
 J.K MARKET, MAIN ROAD, RAMGARH CANTT
 JHARKHAND, 829122. MOB - 9204040001
 GSTIN/UIN: 20AGZPA8711D22N

Invoice No.
 332
 Delivery Note

GSTIN : 20AATPA8640F1ZY

Bill of Supply

Mob: 98351-38417

M/S YASH FURNITURE MART

Deals in : All type of Furniture As - Sofa Set, Dining Table, T.V. Stand, T.V. Trolley, Chair, China Table, Computer Table, Dressing Table, Centre Table, Screen Poster, Iron, Revolving Chair, Bench Desk etc

GOLA ROAD, CHATTI BAZAR, RAMGARH CANTT. (JHARKHAND)

No. **598**

Date **19/01/2025**

To **Sri Venkatesh Iron & Alloy (I) LTD**
Lapanga

Sl. No.	PARTICUARS	Qty	Rate	Amount	
				Rs.	P.
①	BOOK shelf	2 pcs	6800	13600	00
G. Total				13600	00

COMPOSITIO TAXABLE PERSON / ESTABLISHMENT NOT ELIGIBLE TO COLLECT TAX ON SUPPLIES / SALES

Jul

Goods once sold will not be taken back.

For : YASH FUNRNITURE

I declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Office of Mukhiya

Gram Panchayat Chordhara

List of solar street light and RCC bench to be installed in Panchayat chordhara –

Solar light :-

1. Syal More -5 piece
2. Dundua -5 piece
3. Lapanga colony -5 piece
4. Turi tola -5 piece
5. Ranka tola -5 piece
6. Oraon tola and bediya tola – 5 piece

Rcc bench –

1. Devi Mandir syal More – 2 piece
2. Hanuman mandir birsa nagar dundua -3 piece
3. Lapanga colony durga mandap – 4 piece
4. Chordhara kali temple – 3
5. Turi tola school – 2 piece
6. Madhy school – 3 piece
7. Kantaghar -2 piece
8. Water treat ment plant – 2 piece
9. Dumantola sarna sthal – 2 piece
10. Shiv temple ranka -2 piece
11. Ccl ground and chordhra ground -5 piece
12. Ranka tola -5 piece

23

~~Office of Mukhiya~~
Office of Mukhiya
Gram Panchayat Chordhara

To

The General Manager
Sri Venketesh iron Alloys private limited
Lapanga

Subject :- Regarding the CSR works in Gram panchayat Chordhara .

Sir,

With reference to the above topic and as per the Gramsabha demand of Chordhara Panchayat , following of the works is required to be completed through the CSR fund of Sri Venketesh iron Alloys private limited company.

Works details -

1. Installation of windows and doors at anganbadi Kendra chordhra .
2. Construction of shed at Durga mandap lapanga colony .
3. Installation of street light and high mast light at chordhara.
4. Repairing and maintenance of toilet at middle school chordhara.
5. Installation of RCC bench at different places of panchayat .

So you are requested to order the concerned officer to complete the work through CSR fund of Sri Venketesh iron Alloys private limited company.

Thanking you .

23/11/24
मुखिया
ग्राम पंचायत - चोरघारा
प्रखण्ड - पतरावू
जिला - रामगड (झारखण्ड)

Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehfa Building, Thana Chowk, Near Hotel Treet, Ramgarh-829122
Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 9334285107

Ref. No. :

Date :

Purchase Order

Ref: SVI/PO/Solar Light/01/25

Date: 13.01.2025

To,
M/S KON REAL INFRA
606, Opposite Goushala, Harmu Road
Rnachi-834001 (Jharkhand)

Sub: Purchase Order for Solar Street Light- 100 Sets

With reference to Your Quotation dated 10.01.2025 and our discussion we had with you /your representative, we are pleased to release our purchase order on you as follows:

Sr. No	Description	Quantity	Unit price (Rs)	Total Price (Rs.)
1	Solar Street Light set 20 Watt LED Luminary with 18 ah lithium battery, 50 watt Solar module, 6 mtrs G.I Pole with bracket.	100 SET	13000/- per SET (Including GST and transporting and installation)	Rs.1300000.00
Total Amount- Rupees Thirteen Lacs				Rs.1300000.00

Payment terms: 80% Advance Payment after Confirmation P.O. and Balance 20 % after dispatch and Successfully installation.

Delivery: Immediate

Warranty: 12 Month from the date of commissioning whichever is earlier.

Dispatch Instruction:

Billing address: Vill- Lapanga, P.O.- Lapanga, Dist- Ramgarh -829105 (Jharkhand)

Dispatch Address: Vill- Lapanga, P.O.- Lapanga, Dist- Ramgarh -829105 (Jharkhand)

GSTIN: AAICS6981M1ZV **PAN:** AAICS6981M

Please acknowledge the same and send your P.O. Acceptance and your Bank detail.

Thanking you,



P.O. Acceptance
KON REAL INFRA
14/01/25

Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehta Building, Thana Chowk, Near Hotel Treet, Ramgarh-829122
Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No. :

Date :

Ref: SVI/PO/ RCC bench /2025

Date: 14.01.2025

To,

Bharat Developers

Jharkhand: Behind Vishal Mega Mart,

Thana Chowk, Ramgarh Cantt. P.O+P.S, Ramgarh Cantt

Mail at – developersbharat@gmail.com

Sub: Purchase Order for RCC bench – 50 Nos.

Dear Sir,

With reference to Your Quotation dated 14.01.2025 and our discussion we had with you /your representative, we are pleased to release our purchase order on you as follows:

Sr. No	Description	Quantity	Unit price (Rs)	Total Price (Rs.)
1	RCC bench Specification – M35 grade Casting	50 Nos.	4200/- per SET (Including GST and transporting and installation)	Rs.2,10,000.00
Total Amount- Rupees Two lacs ten thousand				Rs.2,10,000.00

Payment terms: 75% Advance Payment after Confirmation P.O. and Balance 25 % after dispatch and successfully installation.

Delivery: Immediate

Dispatch Instruction:

Billing address: Vill- Lapanga, P.O.- Lapanga, Dist- Ramgarh -829105 (Jharkhand)

Dispatch Address: Vill- Lapanga, P.O.- Lapanga, Dist- Ramgarh -829105 (Jharkhand)

GSTIN: AAICS6981M1ZV **PAN:** AAICS6981M

Please acknowledge the same and send your P.O. Acceptance and your Bank detail.

Thanking You,

Yours faithfully,

Sri Venkatesh Iron & Alloys (India) Ltd.



सेवा में,

श्री वैकंटेज (आमरन एण्ड एबॉज (ई.) लिमिटेड
बपंगा, मदनानगर (रामगढ़)

महाराज,

निवेदन पूर्वक कहना है की नव प्राथमिक विद्यालय
तुरी टोला चौरधरा विद्यालय में निम्न कार्य कराने के संबंध
में -

I) शौचालय मरम्मत

II) 100 कुर्सी

III) 6 P, दर्री

IV) पंखा 5 P

V) पानी के बिये R0

VI) झण्डा तालन के बिये पाईप।

VII) आबभारा 1 P

VIII) बॉक्स + माईक (प्रार्थना सभा के बिये)

अतः महाराज से नम्र निवेदन है की उपरोक्त वस्तुओं
की उपलब्ध करवाने की कृपा करें। इस कार्य के बिये मैं सदा
आपका आभारी रहूँगा।

आपका विश्वासुभाजन

11-0-2024

प्रधानाध्यापक
नव प्रा० वि० तुरी टोला
चौरधरा, पतार

QUATATION

SEEMA AGENCIES

Shivaji Road
Ramgarh Cantt
GSTIN/UIN: 20ACDPJ3211H1ZG
State Name : Jharkhand, Code : 20

Consignee (Ship to)

Venketesh Iron & Alloy (India) Ltd
Villa- Lapanga, Bhadaniagar, Ramgarh, Jharkhand
GSTIN/UIN : 20AAICS6981M1ZV
State Name : Jharkhand, Code : 20
E-Mail : svistores2016@gmail.com

Buyer (Bill to)

Venketesh Iron & Alloy (India) Ltd
Villa- Lapanga, Bhadaniagar, Ramgarh, Jharkhand
GSTIN/UIN : 20AAICS6981M1ZV
State Name : Jharkhand, Code : 20
Place of Supply : Jharkhand
E-Mail : svistores2016@gmail.com

Invoice No. SA/24-25/94	Dated 15-Jan-25
Delivery Note	Mode/Terms of Payment
Reference No. & Date.	Other References
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

Sl No	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	48" Cooling Ceiling Fan Anchor	84145190	1 nos	1,186.44	nos		1,186.44
2	18" Rapid Ceiling Fan Orient	84145120	1 nos	1,186.44	nos		1,186.44
							2,372.88
	Output CGST						237.29
	Output SGST						237.29
	Total		2 nos				2,800.00 ₹

Amount Chargeable (in words)

Two Thousand Eight Hundred INR Only

E S D E

Company's PAN : **ACDPJ3211H**

Declaration

I hereby declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details

Bank Name : **SBI A/c-34714137987**
A/c No. : **34714137987**
Branch & IFS Code : **RAMGARH BAZAR & SBIN0012815**

Customer's Seal and Signature

for SEEMA AGENCY

Authorised Signatory

This is a Computer Generated Invoice

Bharat Developers

Ref No BD/QT/24-25/01

Date 14/01-2025

To

Sri Venkatesh Iron And Alloys (I) Ltd.

Ramgarh

Sub:- Supply Of RCC bench at your site

Dear Sir

The Rates for supply of RCC bench are

Specification – M35 grade Casting

Rate:- **4200/00** Rs Per Nos,

For; 50 Nos – 2,10,000/00 Rs.

Terms:-

- Delivery & installation at your site included.
- GST 18% Included.
- Payment advance.
- Delivery after 15 - 20 days of order confirmation.
- Our bank details- BHARTAT DEVELOPERS A/c No:-0710102000008457, Ifsc Code IBKL0000710, IDBI Bank Ramgarh Cantt

Thanks & Regards

M/s BHARAT DEVELOPERS

Sunil Kumar Singh,

Mo:7319878362

Jharkhand: Behind Vishal Mega Mart,Thana Chowk,Ramgarh Cantt.P.O+P.S.Ramgarh Cantt

Mail at – developersbharat@gmail.com

Tax Invoice

SHIVAM STEEL & CEMENT (20-21)

GOLA ROAD

RAMGARH CANTT

GSTIN/UIN: 20ATVPK6217B1ZY

State Name : Jharkhand, Code : 20

Consignee (Ship to)

Shri Venkatesh Iron and Alloys (India) Ltd

Lapanga, Bhadaninagar

Ramgarh

GSTIN/UIN : 20AAICS6981M1ZV

State Name : Jharkhand, Code : 20

Buyer (Bill to)

Shri Venkatesh Iron and Alloys (India) Ltd

Lapanga, Bhadaninagar

Ramgarh

GSTIN/UIN : 20AAICS6981M1ZV

State Name : Jharkhand, Code : 20

Invoice No.

91

Delivery Note

Reference No. & Date.

Buyer's Order No.

Dispatch Doc No.

Dispatched through

Terms of Delivery

Dated

27-Nov-23

Mode/Terms of Payment

Other References

Dated

Delivery Note Date

Destination

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Amount
1	JINDAL Ss Pipe and Tube 304	7306	123.720 KG (0.124 M.T.)	295.00	250.00	KG	30,930.00
	CGST						2,783.70
	SGST						2,783.70
	Less : Round Off						(-0.40)
	Total		123.720 KG				₹ 36,497.00

Amount Chargeable (in words)

INR Thirty Six Thousand Four Hundred Ninety Seven Only

E. & O.E

HSN/SAC	Taxable Value	CGST		SGST/UTGST		Total Tax Amount
		Rate	Amount	Rate	Amount	
7306	30,930.00	9%	2,783.70	9%	2,783.70	5,567.40
Total	30,930.00		2,783.70		2,783.70	5,567.40

Tax Amount (in words) : **INR Five Thousand Five Hundred Sixty Seven and Forty paise Only**

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for SHIVAM STEEL & CEMENT (20-21)

Authorised Signatory

This is a Computer Generated Invoice

उत्कृष्ट मध्य विद्यालय, चोरधरा

प्रखंड- पतरातू, जिला- रामगढ़ (झारखण्ड), पिन- 829105

पत्रांक

दिनांक..07.11.2024

सेवा में
श्री वेंकटेश आयरन स्पड ओलाय इण्डिया लिमिटेड कम्पनी
लपेंजा, (पतरातू) जिला-रामगढ़

विषय - उ.म.वि.चोरधरा U-Dise Code-20241304701 पतरातू, जिला
रामगढ़ के विद्यालय में सुविधाएँ मुहैया करवाने के संबंध में

महाशय,

उपरोक्त विषयक के संदर्भ में निवेदन पूर्वक कहना है कि
उ.म.वि.चोरधरा में कक्षा I से VIII तक छात्र-छात्राएँ अध्ययनरत हैं।
परंतु विद्यालय में कुछ मूलभूत भौतिक सुविधाओं का अभाव है।
विद्यालय में निम्न भौतिक सुविधाओं का होना आवश्यक है -

- (1) अलमीरा-24 (साइब्रेरी हेतु) (2) बॉक्स +मार्क (प्रार्थना-सत्र हेतु)
- (3) पंखा-6 P (वर्गकक्ष हेतु) (4) प्युरीफाई (स्वच्छ पेय जल हेतु)
- (5) स्ट्रीट लाइट (विद्यालय आंगन) (6) सीमेंट का बेंच-4 P (छात्रो हेतु)
- (7) CCTV केमरा (07 फीस हेतु) (8) फाइबर ब्लॉक (2000) P²)

अतः श्रीमानसे सादर अनुरोध है कि उपरलिखित सुविधा
मुहैया करवाने कि कृपा प्रदान करें। इसके लिए विद्यालय परिवार
आपका (फेब्रु) का सदा आभारी बना रहेगा।

Rishabh
प्रधानाध्यापक 07/11/2024
उ.म.वि.चोरधरा
(रामगढ़)

Sri Venkatesh Iron and Alloys (India) Limited

Annual Report 2020-2021

ANNEXURE 'A' TO THE DIRECTORS' REPORT

CORPORATE SOCIAL RESPONSIBILITY POLICY

INTRODUCTION

As per provisions of the Section 135 of the Companies Act, 2013 and the Rules framed there under, we have constituted a Committee, which is responsible for formulating and monitoring the CSR Policy of the Company. The Committee has adopted a Policy that intends to become a responsible corporate citizen by contributing to the Socio-economic development of the area in which it operates.

THE CSR POLICY

I. OBJECTIVE

The CSR Policy of the Company has been formulated and adopted in terms of Section 135 of the Companies Act, 2013 and Rules made thereunder. The Company will undertake CSR activities specified in Schedule VII to the Companies Act, 2013.

II. ROLE OF CSR COMMITTEE

The CSR Committee will play the following role in fulfilling the Company's CSR objectives:

- Recommendation of the Project/Programmers to be undertaken within the long term vision and strategy of the Company in respect of CSR activities, amount of expenditure to be incurred, type of activities, roles and responsibilities of various stakeholders etc.,

Contd...2

- Formulation of a monitoring mechanism for ensuring implementation of the Projects/ Programmes undertaken or the end use of the amount spent by it toward CSR activities.
- The CSR Committee will report to the Board of Sri Venkatesh Iron and Alloys (India) Limited from time to time the status of the CSR projects/activities undertaken by it along with the report on the impact created by such projects/activities.

The contribution will be made for any activities undertaken within India. The Committee will give preference to the local area and areas around it where it operates in spending the amount earmarked for CSR activities.

Surplus arising out of the CSR activities will be utilized for the benefit of the Community within the purview of Schedule VII of the Act.

III. ROLE OF BOARD OF DIRECTORS

The role of the Board with respect to CSR is as under:

- Review the recommendations in respect of annual budget for CSR;
- Disclose contents of the Policy in the Company's report.
- Ensure that the Company spends in every Financial Year, at least two percent of the average net profits made during the three immediately preceding Financial Years of the Company on CSR activities.

Contd...3

IV. DISBURSEMENT OF CSR AMOUNT

The Company may undertake CSR activities, on its own or collaborative arrangement with government, District Authorities, the Village Panchayats and other like – minded Stakeholders or a combination thereof.

The CSR Committee will decide on the budget allocation for CSR Projects and Programmes and the installments for disbursement of amount.

CONSTITUTION OF CSR COMMITTEE

A Corporate Social Responsibility Committee of the Board ('the CSR Committee') shall be constituted consisting of three or more Directors, out of which at least one Director shall be an Independent Director . The composition of committee is as under :

- 1) Shri Kamal Kumar Agrawal (Managing Director) - Chairperson
- 2) Shri Mishank Kedia , Director
- 3) Shri Sushil Kumar Agrawal , Independent Director .

CSR ANNUAL REPORT

Average Net Profit of the Company for the last three Preceding Financial Year is Rs. 20,40,85,517/- and 2% of the same i.e. Rs. 13,60,570/- was the amount to be spent during the year out of which Rs. 10,58,672/- only was spent during the year and balance Rs.3,01,898/- is unspent. Unspent is intended to be spent/ utilized in the near future along with unspent amount of earlier year, if any. The reason for unspent is:-

- (i) Suitable projects in the local area and areas around it where it operates could not be identified/finalized.

- 4 -

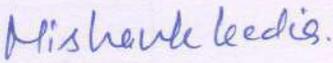
- (ii) Company is a limited company. The turnover in each of last three financial year was always less than Rs. 1000 Crores and net worth was also less than Rs. 500 Crores in each year. The average Profit of last three financial year was Rs. 20,40,85,517/- and all efforts have been made for compliance of provisions of Section 135 of Companies Act, 2013 and relevant Rules Companies (Corporate Social Responsibility Policy) Rules 2014 but identification of suitable project beneficial to General Society has delayed hence causing unspent of amount.

For and on Behalf of Board of Directors

Place: Kolkata

Date: 03.09.2021


Kamal Kumar Agarwal
Managing Director
DIN : 01185202


Mishank Kedia
Director
DIN: 08034640

Sri Venkatesh Iron and Alloys (India) Limited

Annual Report 2021-2022

ANNEXURE 'A' TO THE DIRECTORS' REPORT

CORPORATE SOCIAL RESPONSIBILITY POLICY

INTRODUCTION

As per provisions of the Section 135 of the Companies Act, 2013 and the Rules framed there under, we have constituted a Committee, which is responsible for formulating and monitoring the CSR Policy of the Company. The Committee has adopted a Policy that intends to become a responsible corporate citizen by contributing to the Socio-economic development of the area in which it operates.

THE CSR POLICY

I. OBJECTIVE

The CSR Policy of the Company has been formulated and adopted in terms of Section 135 of the Companies Act, 2013 and Rules made thereunder. The Company will undertake CSR activities specified in Schedule VII to the Companies Act, 2013.

II. ROLE OF CSR COMMITTEE

The CSR Committee will play the following role in fulfilling the Company's CSR objectives:

- Recommendation of the Project/Programmers to be undertaken within the long term vision and strategy of the Company in respect of CSR activities, amount of expenditure to be incurred, type of activities, roles and responsibilities of various stakeholders etc.,

Sri Venkatesh Iron & Alloys (India) Ltd.



Director

Contd...2

- Formulation of a monitoring mechanism for ensuring implementation of the Projects/ Programmes undertaken or the end use of the amount spent by it toward CSR activities.
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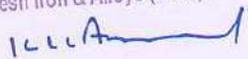
Surplus arising out of the CSR activities will be utilized for the benefit of the Community within the purview of Schedule VII of the Act.

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Sri Venkatesh Iron & Alloys (India) Ltd.



Director

Contd...3

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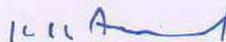
- 1) Shri Kamal Kumar Agrawal (Managing Director) - Chairperson
- 2) Shri Mishank Kedia , Director
- 3) Shri Sushil Kumar Agrawal , Independent Director .

CSR ANNUAL REPORT

Average Net Profit of the Company for the last three Preceding Financial Year is Rs. 10,60,03,088/- and 2% of the same i.e. Rs. 21,20,062/- was the amount to be spent during the year out of which Rs. 17,29,804/- only was spent during the year and balance Rs.3,90,258/- is unspent. Unspent is intended to be spent/ utilized in the near future along with unspent amount of earlier year, if any. The reason for unspent is:-

- (i) Suitable projects in the local area and areas around it where it operates could not be identified/finalized.

Sri Venkatesh Iron & Alloys (India) Ltd.



Director

Contd...4

(ii) Company is a limited company. The turnover in each of last three financial year was always less than Rs. 1000 Crores and net worth was also less than Rs. 500 Crores in each year. The average Profit of last three financial year was Rs. 10,60,03,088/- and all efforts have been made for compliance of provisions of Section 135 of Companies Act, 2013 and relevant Rules Companies (Corporate Social Responsibility Policy) Rules 2014 but identification of suitable project beneficial to General Society has delayed hence causing unspent of amount.

For and on Behalf of Board of Directors

Place: Kolkata

Date: 03.09.2022



Kamal Kumar Agarwal
Managing Director
DIN: 01185202



Mishank Kedia
Director
DIN: 08034640

Sri Venkatesh Iron and Alloys (India) Limited

Annual Report 2022-2023

ANNEXURE 'B' TO THE DIRECTORS' REPORT

CORPORATE SOCIAL RESPONSIBILITY POLICY

INTRODUCTION

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Sri Venkatesh Iron & Alloys (India) Ltd.

Mishanku Reddy
Director

Contd...2

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Sri Venkatesh Iron & Alloys (India) Ltd.

M. S. Hanu Reddy
Director

Contd...3

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- 2) Shri MishankKedia , Director
- 3) Shri Sushil Kumar Agrawal , Independent Director .

CSR ANNUAL REPORT

Average Net Profit of the Company for the last three Preceding Financial Year isRs.

14,83,38,351/- and 2% of the same i.e. Rs. 29,66,767/- was the amount to be spent during the year out of which Rs. 17,50,650/- only was spent during the year and balance Rs.12,16,117/- is unspent. Unspent is intended tobe spent/utilized in the near future along with unspent amount of earlier year, if any. The reason for unspent is:-

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Sri Venkatesh Iron & Alloys (India) Ltd.

Mishank Kedia

Director

Contd...4

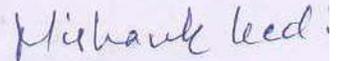
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For and on Behalf of Board of Directors

Place: Kolkata

Date: 04.09.2023


Kamal Kumar Agarwal
Managing Director
DIN: 01185202


Mishank Kedia
Director
DIN: 08034640

Sri Venkatesh Iron and Alloys (India) Limited

Annual Report 2023-2024

ANNEXURE 'B' TO THE DIRECTORS' REPORT
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Contd...2

Sri Venkatesh Iron & Alloys (India) Ltd.

10/11/24

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Contd...3
Sri Venkatesh Iron & Alloys (India) Ltd.

Director

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- 2) Shri Pradip Kumar Kedia , Director
- 3) Shri Sushil Kumar Agrawal , Independent Director .

CSR ANNUAL REPORT

Average Net Profit of the Company for the last three Preceding Financial Year is Rs.

20,27,28,849/- and 2% of the same i.e. Rs. 40,54,577/- was the amount to be spent during the year out of which Rs. 28,57,450/- only was spent during the year and balance Rs.11,97,127/- is unspent. Unspent is intended to be spent/utilized in the near future along with unspent amount of earlier year, if any. The reason for unspent is:-

- (i) Suitable projects in the local area and areas around it where it operates could not be identified/finalized.

Sri Venkatesh Iron & Alloys (India) Ltd.



Director

Contd...4

(ii) Company is a limited company. The turnover in each of last three financial year was always less than Rs. 1000 Crores and net worth was also less than Rs. 500 Crores in each year. The average Profit of last three financial year was Rs. 20,27,28,849/- and all efforts have been made for compliance of provisions of Section 135 of Companies Act, 2013 and relevant Rules Companies (Corporate Social Responsibility Policy) Rules 2014 but identification of suitable project beneficial to General Society has delayed hence causing unspent of amount.

For and on Behalf of Board of Directors

Sri Venkatesh Iron & Alloys (India) Ltd.

Sri Venkatesh Iron & Alloys (India) Ltd.

Place: Kolkata



Date: 05.09.2024

Kamal Kumar Agarwal
Managing Director

Pradip Kumar Kedia
Director

Sri Venkatesh Iron & Alloys (India) Ltd. 2019-20

Village - Lapanga

P.O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

WELFARE & DONATION

Ledger Account

1-Apr-19 to 31-Mar-20

Date	Particulars	Vch Type	Vch No.	Debit
3-Apr-19	To Cash	Payment	19	5001.00
	<i>Being amount paid against Sarhul Puja Samiti Chaingadda.</i>			
15-Apr-19	To Cash	Payment	179	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
16-Apr-19	To Cash	Payment	185	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
17-Apr-19	To Cash	Payment	187	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
18-Apr-19	To Cash	Payment	195	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
19-Apr-19	To Cash	Payment	196	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
20-Apr-19	To Cash	Payment	206	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
21-Apr-19	To Cash	Payment	211	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
22-Apr-19	To Cash	Payment	216	5000.00
	<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
23-Apr-19	To Cash	Payment	230	5000.00

		<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
24-Apr-19	To	Cash	Payment	257	5000.00
		<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
25-Apr-19	To	Cash	Payment	290	5000.00
		<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
26-Apr-19	To	Cash	Payment	304	6000.00
		<i>Being amount paid against Sri Sri 108 Sri Hanumant Pran Prathistha Yaghya Mahuwa Tola , Bhurkunda.</i>			
29-Jun-19	To	Cash	Payment	1410	5000.00
		<i>Being amount paid against Sri Sai Mandir Pran Prathistha Mohatsav Bhurkunda Bazar Ramgarh.</i>			
30-Jun-19	To	Cash	Payment	1421	6000.00
		<i>Being amount paid against Sri Sai Mandir Pran Prathistha Mohatsav Bhurkunda Bazar Ramgarh.</i>			
15-Jul-19	To	Cash	Payment	1610	13650.00
		<i>Being amount expences for Piyau from 01.04.19 to 04.07.19.</i>			
1-Oct-19	To	Cash	Payment	2294	1100.00
		<i>PAID TO SURENDRA RAM FOR DURGA PUJA (BHURKUNDA)</i>			
2-Oct-19	To	Cash	Payment	2296	1000.00
		<i>PAID TO MURAT PRASAD FOR DURGA PUJA</i>			
3-Oct-19	To	SBI CC RANCHI A/C 30028080630	Payment	2298	21000.00
		<i>Being amount transfer to SBIN419276244746(KALI PADA DUTTA)</i>			
3-Oct-19	To	Cash	Payment	2303	5000.00
		<i>PAID TO AKHLESH TOPO FOR SOCIAL HELP</i>			
3-Oct-19	To	Cash	Payment	2304	10000.00
		<i>PAID TO DURGA PUJA (LAPANGA)</i>			
3-Oct-19	To	Cash	Payment	2305	5100.00
		<i>PAID TO DURGA PUJA SAMITI (BHADANI NAGAR)</i>			
3-Oct-19	To	Cash	Payment	2306	2500.00
		<i>PAID TO HIRALAL BEDIA</i>			
4-Oct-19	To	Cash	Payment	2314	30000.00
		<i>PAID TO PRADEEP ORAWN FOR DURGA PUJA</i>			
4-Oct-19	To	Cash	Payment	2315	2000.00
		<i>PAID TO SHAMIMA BANO FOR SOCIAL HELP</i>			
4-Oct-19	To	Cash	Payment	2316	1000.00
		<i>PAID TO MAHAVIR JI FOR SOCIAL HELP</i>			

4-Oct-19	To	Cash	Payment	2317	1000.00
		<i>PAID TO BIRBAL TURI FOR DURGA PUJA</i>			
5-Oct-19	To	Cash	Payment	2339	5000.00
		<i>PAID TO YASHWANT VERMA FOR DURGA PUJA</i>			
5-Oct-19	To	Cash	Payment	2340	5000.00
		<i>PAID TO ANAND DUBEY JEE FOR DURGA PUJA</i>			
5-Oct-19	To	Cash	Payment	2341	5000.00
		<i>PAID TO DURGA PUJA SAMITI GHUTUA</i>			
6-Oct-19	To	Cash	Payment	2343	1100.00
		<i>PAID TO ALOK JEE FOR DURGA PUJA</i>			
26-Oct-19	To	Cash	Payment	2559	30000.00
		<i>PAID TO RAJENDRA BEDIA FOR DURGA PUJA</i>			
26-Oct-19	To	Cash	Payment	2560	2100.00
		<i>PAID TO KALAM ANSARI FOR KALI PUJA (RAILWAY STATION)</i>			
26-Oct-19	To	Cash	Payment	2561	2100.00
		<i>PAID TO SUNIL JEE FOR SOCIAL HELP</i>			
26-Oct-19	To	Cash	Payment	2562	2500.00
		<i>PAID TO ANUJ THAKUR</i>			
26-Oct-19	To	Cash	Payment	2563	1100.00
		<i>PAID TO DURGA PUJA SAMITI (THANA CHOWK)</i>			
26-Oct-19	To	Cash	Payment	2564	5100.00
		<i>PAID TO DURGA PUJA SAMITI (CHAINGADD)</i>			
1-Nov-19	To	Cash	Payment	2611	45000.00
		<i>PAID TO JAI PRAKASH MAHTO FOR CULTIVATION COMPANSATION</i>			
4-Nov-19	To	Cash	Payment	2630	4000.00
		<i>PAID TO YUVA VIKASH CLUB (CHAIN GADDA) FOR FOOTBALL MATCH.</i>			
7-Nov-19	To	Cash	Payment	2665	4875.00
		<i>PAID TO MUDIN ANSARI FOR SOCIAL HELP</i>			
10-Nov-19	To	Cash	Payment	2718	30000.00
		<i>PAID TO RAJENDRA BEDIA FOR SOCIAL EXP.</i>			
11-Nov-19	To	Cash	Payment	2732	1500.00
		<i>PAID TO DURGA PUJA COMITTE RANCHI ROAD</i>			
14-Nov-19	To	Cash	Payment	2757	7500.00
		<i>PAID TO PUSHPA EKKA FOR SOCIAL HELP</i>			
19-Nov-19	To	Cash	Payment	2802	10100.00
		<i>PAID TO YASHWANT VERMA FOR DAUGHTER MARRIAGE.</i>			
27-Nov-19	To	Cash	Payment	2905	1500.00
		<i>PAID TO DABLU SINGH FOR RASTRIYA SEVA SANGH</i>			
2-Dec-19	To	Cash	Payment	2930	2000.00

		<i>PAID TO KAMLESH BEDIA FOR SOCIAL HELP</i>			
5-Dec-19	To	Cash	Payment	2951	15000.00
		<i>PAID TO SARSHAN GANJHU FOR SOCIAL HELP.</i>			
6-Dec-19	To	Cash	Payment	2955	2000.00
		<i>PAID TO SAMINA BANO FOR SOCIAL HELP</i>			
8-Dec-19	To	Cash	Payment	2974	3100.00
		<i>PAID TO MUDIN ANSARI FOR GIRL MARRIAGE</i>			
11-Dec-19	To	Cash	Payment	3053	30000.00
		<i>PAID TO RAJENDRA BEDIA FOR SOCIAL EXP.</i>			
14-Dec-19	To	Cash	Payment	3064	3100.00
		<i>PAID TO ANAND DUBEY FOR BHANDARA AT BHADANI NAGAR MANDIR</i>			
16-Dec-19	To	Cash	Payment	3081	6000.00
		<i>PAID TO DR. ASHISH FOR SOCIAL SERVICES</i>			
16-Dec-19	To	Cash	Payment	3082	20000.00
		<i>PAID TO SATTAR ANSARI FOR CULTIVATION COMPANASATION</i>			
20-Dec-19	To	Cash	Payment	3129	5000.00
		<i>PAID TO HARILAL BEDIYA FOR SOCIAL HELP</i>			
24-Dec-19	To	Cash	Payment	3154	2000.00
		<i>PAID TO BARIK ANSARI FOR SOCIAL HELP</i>			
28-Dec-19	To	Cash	Payment	3194	2000.00
		<i>PAID TO AZAD ALI FOR SOCIAL HELP</i>			
12-Jan-20	To	Cash	Payment	3421	4500.00
		<i>PAID TO MUDIN ANSARI FOR SOCIAL HELP</i>			
18-Jan-20	To	Cash	Payment	3460	3000.00
		<i>PAID TO DIPAK KR. MUNDA FOR SARNA PUJA CHAINGADA</i>			
20-Jan-20	To	Cash	Payment	3472	151.00
		<i>PAID TO KAPILDEV KUMAR FOR HANUMAN MAHOTSAV.</i>			
21-Jan-20	To	Cash	Payment	3490	1500.00
		<i>PAID TO NARESH NAYAK FOF COAL INDIA UNION</i>			
21-Jan-20	To	Cash	Payment	3491	2500.00
		<i>PAID TO NARESH PRASAD FOR SOCIAL HELP</i>			
28-Jan-20	To	Cash	Payment	3553	2500.00
		<i>PAID TO ANUJ THAKUR FOR 26TH JAN CELEBRATION</i>			
28-Jan-20	To	Cash	Payment	3554	1100.00
		<i>PAID TO CHOUKIYA TAND FOR SARASAWATI PUJA.</i>			
28-Jan-20	To	Cash	Payment	3555	500.00
		<i>PAID TO S.S.SINGH 26TH JAN CELEBRATION</i>			
28-Jan-20	To	Cash	Payment	3556	2500.00

		<i>PAID TO MAHUA TOLA FOR SARASAWATI PUJA</i>			
28-Jan-20	To	Cash	Payment	3557	500.00
		<i>PAID TO UJJAL DONIYA FOR 26TH JAN CELEBRATION</i>			
29-Jan-20	To	Cash	Payment	3578	500.00
		<i>PAID TO KAMLESH PD. KESHRI FOR SAWASAWATI PUJA(RONKA)</i>			
29-Jan-20	To	Cash	Payment	3579	5000.00
		<i>PAID TO SUNIL VERMA FOR CRICKET TOURNAMENT LAPANGA.</i>			
3-Feb-20	To	Cash	Payment	3614	1100.00
		<i>PAID TO VIJAY KARMALI FOR RAVIDAS JAYANI</i>			
3-Feb-20	To	Cash	Payment	3615	500.00
		<i>PAID TO GUDDU PANDEY FOR SOCIAL HELP</i>			
4-Feb-20	To	Cash	Payment	3619	2000.00
		<i>PAID TO KAMLESH JEE FOR SOCIAL HELP</i>			
9-Feb-20	To	Cash	Payment	3740	1500.00
		<i>PAID TO ARTI DEVI FOR SARADH KARMA</i>			
10-Feb-20	To	Cash	Payment	3752	2000.00
		<i>PAID TO SAMINA BANO FOR MAHILA MORCHA</i>			
15-Feb-20	To	Cash	Payment	3794	30000.00
		<i>PAID TO REJENDRA BEDIYA FOR SOCIAL EXP.</i>			
17-Feb-20	To	Cash	Payment	3805	1500.00
		<i>PAID TO BARIK JEE FOR SOCIAL HELP.</i>			
26-Feb-20	To	SBI CC RANCHI A/C 30028080630	Payment	3868	101000.00
		<i>CH.NO-140015 (RAJRAPPA MAHOTSAV)</i>			
4-Mar-20	To	Cash	Payment	4006	35000.00
		<i>PAID TO PRAKASH MAHTO FOR CULTIVATION COMPANSATION</i>			
5-Mar-20	To	Cash	Payment	4028	2100.00
		<i>PAID TO JAYANT GURI FOR HOLI MILAN SAMARAO.</i>			
6-Mar-20	To	Cash	Payment	4096	1000.00
		<i>PAID TO MURAT JI FOR HOLI EXP.</i>			
7-Mar-20	To	Cash	Payment	4119	5000.00
		<i>PAID TO YASHWANT VERMA FOR HOLI EXP.</i>			
7-Mar-20	To	Cash	Payment	4120	5000.00
		<i>PAID TO SURENDER JI FOR HOLI EXP.</i>			
7-Mar-20	To	Cash	Payment	4121	5000.00
		<i>PAID TO HARILAL BEDIYA FOR HOLI EXP.</i>			
8-Mar-20	To	Cash	Payment	4124	55000.00
		<i>PAID TO RAJENDRA BEDIYA FOR CULTIVATION COMPANSATION</i>			
8-Mar-20	To	Cash	Payment	4125	30000.00
		<i>PAID TO RAJENDRA BEDIYA FOR SOCIAL EXP.</i>			

8-Mar-20	To	Cash	Payment	4126	2000.00
		<i>PAID TO KAMLESH BEDIYA FOR SOCIAL HELP</i>			
8-Mar-20	To	Cash	Payment	4127	1000.00
		<i>PAID TO MAHAVIR JEE FOR HOLI EXP.</i>			
8-Mar-20	To	Cash	Payment	4128	2000.00
		<i>PAID TO DARSHAN GANJHU FOR HOLI EXP.</i>			
8-Mar-20	To	Cash	Payment	4129	30000.00
		<i>PAID TO PRADEEP ORAWAN FOR HOLI EXP OF CHAINGADA.</i>			
9-Mar-20	To	SBI CC RANCHI A/C 30028080630	Payment	4130	13000.00
		<i>CH.NO-40027 TO VANVASI KALYAN KENDRA</i>			
9-Mar-20	To	Cash	Payment	4140	2000.00
		<i>PAID TO SAMINA BANO FOR SOCIAL HELP.</i>			
9-Mar-20	To	Cash	Payment	4141	4500.00
		<i>PAID TO MUDIN ANSARI FOR AKHIL BHARTIYA MANAVADHIKAR SANGATHAN</i>			
16-Mar-20	To	Cash	Payment	4205	45000.00
		<i>PAID TO PRAKASH MAHTO FOR CULTIVATION COMPANSATION</i>			
16-Mar-20	To	Cash	Payment	4206	7500.00
		<i>PAID TO PUSHPA DHONGWAR FOR HOLI EXP.</i>			
18-Mar-20	To	Cash	Payment	4225	5000.00
		<i>PAID TO BHLOA BEDIA FOR SARADH KARMA</i>			
					837977.00
	By	Closing Balance			
					837977.00

Sri Venkatesh Iron & Alloys (India) Ltd. 2020-21 (F)

Village - Lapanga

P.O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

WELFARE & DONATION

Ledger Account

1-Apr-20 to 31-Mar-21

Date	Particulars	Vch Type	Vch No.	Debit	Credit
5-May-20	To SBI CC RANCHI A/C 30028080630	Payment	64	100000.00	
	<i>Transfer thru NEFT *SBIN220126515491 (MUKTIDHAM)</i>				
11-Jun-20	To Cash	Payment	274	30000.00	
	<i>Being amount paid to Rajendra Bedia</i>				
15-Jun-20	To Cash	Payment	302	3000.00	
	<i>Being amount paid to Dr. Ashish</i>				
15-Jun-20	To Cash	Payment	303	2000.00	
	<i>Being amount paid to Samina Bano</i>				
2-Jul-20	To SBI CC RANCHI A/C 30028080630	Payment	428	25200.00	
	<i>CH.NO-140043 (SEVA BHARTI)</i>				
2-Jul-20	To Cash	Payment	436	4500.00	
	<i>Being amount paid to Mudin Ansari</i>				
14-Jul-20	To Cash	Payment	573	2000.00	
	<i>Being amount paid to Samina Bano</i>				
14-Jul-20	To Cash	Payment	574	2000.00	
	<i>Being amount paid to Kamlesh Jee</i>				
15-Jul-20	To Cash	Payment	592	30000.00	
	<i>Being amount paid to Rajendra Bedia</i>				
18-Jul-20	To MEDVENT MEDICAL SERVICES	Journal	IO-358 DT- 18.07.20	40000.00	
	<i>Being amount credited against purchase of O2 Concentrator with Cannula=1 pcs @40000/-</i>				
5-Aug-20	To Cash	Payment	774	5000.00	
	<i>Being amount paid to Afsana Khatoon</i>				
6-Aug-20	To Cash	Payment	783	2000.00	
	<i>Being amount paid to Kamlesh BHaiya</i>				
12-Aug-20	To Cash	Payment	832	2000.00	
	<i>Being amount paid to Samina Bano</i>				
12-Aug-20	To Cash	Payment	833	4000.00	
	<i>Being amount paid to Bhadani Nagar O.P</i>				
11-Sep-20	To M/S SARAWGI BROTHERS	Journal	00975 DT- 11.09.20	105829.00	
	<i>Being amount credited against purchase of Rincoat=20 pcs @236/-, 25 pcs @247/-, 1 pcs @895/-, 1 pcs @970/-, T.Shirt=380 pcs @250/- and Raincoat=20 pcs @168/- as per Inv No- SB/20-21/00975 DT- 11.09.20</i>				
12-Sep-20	To Cash	Payment	1144	30000.00	
	<i>Being amount paid to Rajendra Bedia</i>				
23-Sep-20	To Cash	Payment	1218	7500.00	
	<i>Being amount paid to Akhlesh Topo</i>				
15-Oct-20	To Sbi A/c (36418154554)	Payment	1597	30000.00	
	<i>CH.NO-228658 FOR LAND(AKHLESH KUMAR TOPO)</i>				
15-Oct-20	To Sbi A/c (36418154554)	Payment	1598	30000.00	
	<i>CH.NO-228659 FOR LAND(AKHLESH KUMAR TOPO)</i>				
15-Oct-20	To Sbi A/c (36418154554)	Payment	1599	30000.00	
	<i>CH.NO-228660 FOR LAND(AKHLESH KUMAR TOPO)</i>				
15-Oct-20	To Sbi A/c (36418154554)	Payment	1600	10000.00	

		CH.NO-228661 FOR LAND(AKHLESH KUMAR TOPO)			
18-Oct-20	To	Cash	Payment	1640	35000.00
		<i>Being amount paid to Jai Prakash Mahto</i>			
19-Oct-20	To	Cash	Payment	1648	45000.00
		<i>Being amount paid to Rajendra Bediya</i>			
19-Oct-20	To	Cash	Payment	1649	25000.00
		<i>Being amount paid to Pradeep Orawn</i>			
23-Oct-20	To	Cash	Payment	1691	1000.00
		<i>Being amount paid to Naresh Nayak</i>			
23-Oct-20	To	Cash	Payment	1692	1000.00
		<i>Being amount paid to Mahavir Prasad</i>			
23-Oct-20	To	Cash	Payment	1693	5000.00
		<i>Being amount paid to Akhlesh Topa</i>			
23-Oct-20	To	Cash	Payment	1694	55000.00
		<i>Being amount paid to Rajendra Bediya for Bhadani Nagar Village Durga Pooja</i>			
23-Oct-20	To	Cash	Payment	1695	5000.00
		<i>Being amount paid to Yaswant Verma for Durga Pooja</i>			
23-Oct-20	To	Cash	Payment	1696	45000.00
		<i>Being amount paid to Jaiprakash Mahto for Chaingadda Village.</i>			
26-Oct-20	To	Cash	Payment	1702	15000.00
		<i>Being amount paid to Kamlesh Bediya for Durga Puja Exp.</i>			
7-Nov-20	To	Cash	Payment	1916	10000.00
		<i>Being amount paid to Indradev Bediya</i>			
10-Nov-20	To	Cash	Payment	1949	30000.00
		<i>Being amount paid to Rajendra Bediya</i>			
10-Nov-20	To	Cash	Payment	1950	7500.00
		<i>Being amount paid to Pushpa Ekka</i>			
18-Nov-20	To	Cash	Payment	1983	2100.00
		<i>Being amount paid to BhadainNagar Chhat Puja</i>			
26-Nov-20	To	VIJAY TEXTILE	Journal	VT/19-20/03092	1942.86
		<i>Being amount credited against purchase of Sparsh Blanket S/B=6 pcs @323.81/- as per Inv No- VT/19-20/03092 dt- 26.11.20</i>			
1-Dec-20	To	SBI CC RANCHI A/C 30028080630	Payment	2061	11000.00
		<i>CH.NO-140068 GOSHALA NYAS</i>			
11-Dec-20	To	Cash	Payment	2224	30000.00
		<i>Being amount paid to Rajendra Bediya</i>			
4-Jan-21	To	Cash	Payment	2376	2000.00
		<i>Being amount paid to Md.Hassib</i>			
7-Jan-21	To	MADHVI INDUSTRIAL CORPORATION	Store Purchase	INV-351	3600.00
		<i>Being amount credited against purchase of Safety Helmet= 45 pcs@80/- as per Inv No- 351 dt- 07.01.21</i>			
7-Jan-21	To	Maheshwari Enterprises, Ramgarh	Store Purchase	ME/CS/20-21/1006	1900.00
		<i>Safety Helmet Blue=25 Nos @76/-</i>			
14-Jan-21	To	Cash	Payment	2534	2100.00
		<i>Being amount paid to Vanvasi Kalyan Kendra</i>			
24-Feb-21	To	Cash	Payment	2830	1500.00
		<i>Being amount paid to Ravidash Jayanti</i>			
10-Mar-21	To	Cash	Payment	3046	30000.00
		<i>Being amount paid to Rajendra Bediya</i>			
16-Mar-21	To	Cash	Payment	3076	3000.00
		<i>Being amount paid to Dr. Ashish</i>			
22-Mar-21	To	Cash	Payment	3157	15000.00
		<i>Being amount paid to Bhola/Kamlesh</i>			
22-Mar-21	To	Cash	Payment	3158	55000.00
		<i>Being amount paid to Rajendra Bediya against Holi Exp</i>			
22-Mar-21	To	Cash	Payment	3159	30000.00

		<i>Being amount paid to Pradeep Orawn against Holi Exp.</i>				
22-Mar-21	To	Cash	Payment	3160	45000.00	
		<i>Being amount paid to Prakash Mahto against Holi Exp.</i>				
24-Mar-21	To	Cash	Payment	3180	20000.00	
		<i>Being amount paid to Charendra Bediya against Holi Exp.</i>				
27-Mar-21	To	Cash	Payment	3221	5000.00	
		<i>Being amount paid to Akhlesh Topo against Holi Exp.</i>				
27-Mar-21	To	Cash	Payment	3222	25000.00	
		<i>Being amount paid to Akhlesh Topo(Sister) Holi Exp. for Villageres.</i>				
					1058671.86	
	By	Closing Balance				1058671.86
					1058671.86	1058671.86

Sri Venkatesh Iron & Alloys (India) Ltd. 2021-22(F)

Village - Lapanga

P.O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

WELFARE & DONATION

Ledger Account

1-Apr-21 to 31-Mar-22

Date	Particulars	Vch Type	Vch No.	Debit	Credit
4-May-21	To ARADHYA ENTERPRISES	Journal	INV-125	12250.00	
	<i>SUGICAL MASK=1000 PCS@2.25/- AND HAND SYANATIZER=500 PCS@20/-</i>				
11-May-21	To Sbi A/c (36418154554)	Payment	404	25000.00	
	<i>CH.NO-228847 (MD SAHBAN)</i>				
13-May-21	To SBI CC RANCHI A/C 30028080630	Payment	411	11000.00	
	<i>Being amount transfer thru NEFT *SBIN521133828559 (RANCHI GOSHALA NYAS)</i>				
13-May-21	To Cash	Payment	418	5000.00	
	<i>PAID TO MAHESH BEDIYA</i>				
15-May-21	To Cash	Payment	427	11000.00	
	<i>PAID TO HARI LAL BEDIYA (CHIKOR)</i>				
19-May-21	To Cash	Payment	441	10000.00	
	<i>PAID TO ABHILESH TOPPO</i>				
24-May-21	To Cash	Payment	473	10000.00	
	<i>PAID TO SHIV SHANKAR PANDEY</i>				
1-Jun-21	To Cash	Payment	514	1000.00	
	<i>PAID TO SHOURAV SINGH (R.24)</i>				
3-Jun-21	To Cash	Payment	520	2000.00	
	<i>PAID TO KAMLESH JI (CHOUKIYA)</i>				
5-Jun-21	To Cash	Payment	536	1500.00	
	<i>PAID TO SAHJAD TALIM</i>				
21-Jun-21	To Cash	Payment	696	20000.00	
	<i>PAID TO CHARENDRA BEDIYA</i>				
23-Jun-21	To SBI CC RANCHI A/C 30028080630	Payment	702	25200.00	
	<i>CH.NO-306337 (SEVA BHARTI)</i>				
29-Jun-21	To Cash	Payment	739	10000.00	
	<i>PAID TO AZAD ANSARI</i>				
2-Jul-21	To Cash	Payment	772	5000.00	
	<i>PAID TO SHIV SHANKAR PANDEY</i>				
14-Jul-21	To Cash	Payment	863	2000.00	
	<i>PAID TO KAMLESH JI CHOUKIYA</i>				
6-Aug-21	To Cash	Payment	1086	6000.00	
	<i>PAID TO AKHILESH TOPPO</i>				
9-Aug-21	To Cash	Payment	1103	20000.00	
	<i>PAID TO CHORENDRA BEDIYA JI</i>				
14-Aug-21	To Cash	Payment	1149	2500.00	
	<i>PAID TO MAHESH JI TAZA TV</i>				
14-Aug-21	To Cash	Payment	1150	6000.00	
	<i>PAID TO NEWS 11 SAGAR JI</i>				
14-Aug-21	To Cash	Payment	1151	3000.00	

		<i>PAID TO DURVEJ JI (LAGATAAR)</i>				
14-Aug-21	To	Cash	Payment	1152	1000.00	
		<i>PAID TO MANSOOR JI (NEWS 365)</i>				
14-Aug-21	To	Cash	Payment	1153	2500.00	
		<i>PAID TO ANUJ JI</i>				
14-Aug-21	To	Cash	Payment	1154	2000.00	
		<i>PAID TO AWADH JI (DAINIK BHASKAR)</i>				
14-Aug-21	To	Cash	Payment	1155	5000.00	
		<i>PAID TO ANJAN PRASHAD (AMBA PD)</i>				
14-Aug-21	To	Cash	Payment	1156	2500.00	
		<i>PAID TO AWDESH JI</i>				
15-Aug-21	To	Cash	Payment	1161	1000.00	
		<i>PAID TO AMIT PATHAK JI</i>				
16-Aug-21	To	Cash	Payment	1177	1000.00	
		<i>PAID TO SOURAV JI (R24 NEWS)</i>				
16-Aug-21	To	Cash	Payment	1178	2100.00	
		<i>PAID TO RAJESH MAHTO</i>				
17-Aug-21	To	Cash	Payment	1186	3000.00	
		<i>PAID TO DR. ASHISH (MONTHLY)</i>				
18-Aug-21	To	Cash	Payment	1193	1000.00	
		<i>PAID TO SHIV KR. SINGH (RANCHI EXPRESS)</i>				
18-Aug-21	To	Cash	Payment	1194	2000.00	
		<i>PAID TO BIJENDRA JI (AAZAD SIPAHI)</i>				
18-Aug-21	To	Cash	Payment	1195	8000.00	
		<i>PAID TO MAHABEEP PRASAD AGARWAL</i>				
19-Aug-21	To	Cash	Payment	1202	2100.00	
		<i>PAID TO CHAMAN LAL JI</i>				
21-Aug-21	To	Cash	Payment	1222	1000.00	
		<i>PAID TO JHARKHAND JAGRAN</i>				
21-Aug-21	To	Cash	Payment	1223	2000.00	
		<i>PAID TO KHABAR MANTRA</i>				
6-Sep-21	To	SBI CC RANCHI A/C 30028080630	Payment	1364	3000.00	
		<i>DAINIK BHASKAR</i>				
14-Sep-21	To	SBI CC RANCHI A/C 30028080630	Payment	1475	3000.00	
		<i>CH.NO-306345 (JAGRANPRAKASHAN LTD)</i>				
14-Sep-21	To	SBI CC RANCHI A/C 30028080630	Payment	1482	5000.00	
		<i>CH.NO-306346 MR.DURGESH TIWARI</i>				
21-Sep-21	To	Cash	Payment	1545	7000.00	
		<i>PAID TO RAIYAT BISTHAPIT MORCHA</i>				
29-Sep-21	To	Cash	Payment	1606	10000.00	
		<i>PAID TO AZAD JI JMM</i>				
6-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1664	10000.00	
		<i>Being amount transfer thru NEFT *SBIN121279817189</i>				
7-Oct-21	To	Cash	Payment	1732	20000.00	
		<i>CASH PAID TO CHARENDRA BEDIYA</i>				
9-Oct-21	To	Cash	Payment	1744	2000.00	
		<i>CASH PAID TO SAMIMA BANO</i>				
9-Oct-21	To	Cash	Payment	1745	500.00	
		<i>CASH PAID TO SHURENDRA RAM</i>				
9-Oct-21	To	Cash	Payment	1746	1100.00	
		<i>CASH PAID TO PURAM RAM</i>				

9-Oct-21	To	Cash	Payment	1747	5100.00	
		CASH PAID FOR DURGA PUJA (CHAINGADA)				
10-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1749	5000.00	
		CH.NO-912123 VIJAY SAW (RANKA BASTI FOOTBALL)				
10-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1750	45000.00	
		CH.NO-912129 DURGA PUJA (RAJENDRA BEDIA)				
10-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1751	25000.00	
		CH.NO-912130 DURGA PUJA (PRADEEP ORAWN)				
11-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1754	30000.00	
		CH.NO-912138 Dwarika Prasad Mahto				
11-Oct-21	To	Cash	Payment	1767	2000.00	
		CASH PAID TO UTTAM SINHA JI FOR 15TH AUGUST (AWAZ NEWS)				
12-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1775	30000.00	
		CH.NO-912144 RAJENDRA BEDIA				
12-Oct-21	To	Cash	Payment	1777	1000.00	
		CASH PAID TO NARESH NAYAK FOR DURGA PUJA				
12-Oct-21	To	Cash	Payment	1778	5000.00	
		CASH PAID TO YASHWANT VERMA FOR DURGA PUJA				
12-Oct-21	To	Cash	Payment	1779	1000.00	
		CASH PAID TO MAHAVIR PRASAD FOR DURGA PUJA				
13-Oct-21	To	Cash	Payment	1780	1500.00	
		CASH PAID TO MURAT PRASHAD FOR DURGA PUJA				
13-Oct-21	To	Cash	Payment	1794	1000.00	
		CASH PAID TO TURI TOLA FOR DURGA PUJA				
13-Oct-21	To	Cash	Payment	1795	5000.00	
		CASH PAID TO RAJESH GIRI FOR DURGA PUJA				
13-Oct-21	To	Cash	Payment	1796	1500.00	
		CASH PAID TO SHURENDRA KARMALI FOR DURGA PUJA				
14-Oct-21	To	Cash	Payment	1797	10000.00	
		CASH PAID TO LAPANGA FOR KALI PUJA				
14-Oct-21	To	Cash	Payment	1798	1500.00	
		CASH PAID TO ALOK SINGH FOR DURGA PUJA				
14-Oct-21	To	Cash	Payment	1799	1500.00	
		CASH PAID TO DEEPAK KUMAR FOR DURGA PUJA				
15-Oct-21	To	Cash	Payment	1803	5100.00	
		CASH PAID TO SHRI ANAND				
18-Oct-21	To	Cash	Payment	1829	3000.00	
		CASH PAID TO DR. ASHISH				
20-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1853	35000.00	
		CH.NO-912148 PAID TO MR. JAI PRAKASH MAHTO				
28-Oct-21	To	SBI CC RANCHI A/C 30028080630	Payment	1893	5000.00	
		CH.NO-912151 PRADEEP ORAON				
1-Nov-21	To	Cash	Payment	1931	2500.00	
		CASH PAID TO ANIL THAKUR				

1-Nov-21	To	Cash	Payment	1932	2100.00	
		CASH PAID TO ANUP THAKUR FOR KALI PUJA				
2-Nov-21	To	SBI CC RANCHI A/C 30028080630	Payment	1936	10000.00	
		CH.NO-912153 (JAI PRAKASH MAHTO)				
3-Nov-21	To	Cash	Payment	1955	15000.00	
		CASH PAID TO BHOLA BEDIYA FOR DURGA PUJA				
6-Nov-21	To	SBI CC RANCHI A/C 30028080630	Payment	1985	10000.00	
		CH.NO-912152 (RAJENDRA BEDIA)				
8-Nov-21	To	Cash	Payment	2006	20000.00	
		CASH PAID TO CHARENDRA BEDIYA				
9-Nov-21	To	Cash	Payment	2011	1000.00	
		CASH PAID TO BIRBAL TURI FOR CHHAT PUJA				
10-Nov-21	To	Cash	Payment	2014	30000.00	
		CASH PAID TO RAJENDRA BEDIYA				
10-Nov-21	To	Cash	Payment	2015	2100.00	
		CASH PAID TO BHADANI NAGAR CHHAT PUJA				
10-Nov-21	To	Cash	Payment	2016	1100.00	
		CASH PAID TO CHHAT PUJA MAHUA TOLA				
11-Nov-21	To	Cash	Payment	2018	2000.00	
		CASH PAID TO SHAMIMA BANO				
15-Nov-21	To	Cash	Payment	2039	24750.00	
		SHRI DWARIKA THIRTH PUROHIT PANDASABHA-DWARIKA,MONEY REC NO-5623				
15-Nov-21	To	Cash	Payment	2040	25200.00	
		SHRI DWARIKA THIRTH PUROHIT PANDASABHA-DWARIKA,MONEY REC NO-5622				
15-Nov-21	To	Cash	Payment	2041	12600.00	
		SHRI DWARIKA THIRTH PUROHIT PANDASABHA-DWARIKA,MONEY REC NO-5625				
15-Nov-21	To	Cash	Payment	2042	14700.00	
		SHRI DWARIKA THIRTH PUROHIT PANDASABHA-DWARIKA,MONEY REC NO-5624				
16-Nov-21	To	Cash	Payment	2056	2500.00	
		CASH PAID TO FIRDAUS JI FOR JALSA				
17-Nov-21	To	PRASANBH WOOD CRAFT	Journal	2021-22/004	106485.00	
		Being amount credited against Temple's Steel Gate=229 kgs @464/- as per Inv no-PWC/2021-22/004 dt- 17.11.21				
17-Nov-21	To	Cash	Payment	2083	3500.00	
		CASH PAID TO AKHILESH JI FOR CHHAT GHAT JCB WORK				
23-Nov-21	To	SBI A/C (40531925741)	Payment	2124	4000.00	
		CH.NO-801451 PAID TO GANESH KUMAR BEDIA(SPORT JERSY)				
23-Nov-21	To	SBI A/C (40531925741)	Payment	2125	1500.00	
		CH.NO-801452 PAID TO DABLU SINGH (KAMBAL)				
27-Nov-21	To	SBI A/C (40531925741)	Payment	2176	30000.00	
		CH.NO-801470 (DWARIKA JEE CHAINGADDA).MALTI CONSTRUCTION				

13-Dec-21	To	SBI A/C (40531925741) <i>CH.NO-810543 PAID TO RAJENDRA BEDIA.</i>	Payment	2426	30000.00	
24-Dec-21	To	SBI A/C (40531925741) <i>CH.NO-829032 DWARIKA JEE CHAIGADDA(MALTI CONSTRUCTION)</i>	Payment	2553	30000.00	
30-Dec-21	To	SBI A/C (40531925741) <i>CH.NO-829208 NUTAN KUMAR MAHTO</i>	Payment	2696	10000.00	
31-Dec-21	To	M R SHOPING CENTRE <i>FOR BALANKETS</i>	Journal	3528	12319.05	
12-Jan-22	To	SBI A/C (40531925741) <i>CH.NO-829277 PAID TO REJENDRA BEDIA (MONTHLY)</i>	Payment	2940	30000.00	
13-Jan-22	To	M R SHOPING CENTRE <i>BLANKET=100PCS@245/-</i>	Journal	2815	23333.33	
11-Feb-22	To	SBI A/C (40531925741) <i>CH.NO-829385 DT-11.02.2022</i>	Payment	3317	30000.00	
22-Feb-22	To	SBI A/C (40531925741) <i>CH.NO-886332 MALTI CONSTRUCTION,DWARIKA JEE</i>	Payment	3495	30000.00	
23-Feb-22	To	M R SHOPING CENTRE <i>AS PER GSTR 2A</i>	Journal	4144	11666.67	
11-Mar-22	To	SBI A/C (40531925741) <i>CH.NO-886681 RAJENDRA BEDIA</i>	Payment	3743	30000.00	
11-Mar-22	To	SBI A/C (40531925741) <i>CH.NO-886682 RAJENDRA BEDIA FOR VILLAGER (HOLI)</i>	Payment	3744	45000.00	
11-Mar-22	To	SBI A/C (40531925741) <i>CH.NO-886686 JAI PRAKASH MAHTO (HOLI FASAL MUHAFAZA)</i>	Payment	3748	35000.00	
13-Mar-22	To	SBI A/C (40531925741) <i>CH.NO-886688 PRADEEP ORAON(FOR HOLI)</i>	Payment	3759	25000.00	
16-Mar-22	To	SBI A/C (40531925741) <i>CH.NO-886698 MALTI CONSTRUCTION</i>	Payment	3799	30000.00	
21-Mar-22	To	SBI A/C (40531925741) <i>CH.NO-886699 JAI PRAKASH MANTO (HOLI FASAL MUHAFAZA)</i>	Payment	3830	10000.00	
25-Mar-22	To	SBI CC RANCHI A/C 30028080630 <i>TO CLEARING BOI RANCHI GAUSHALA NYAS 368861</i>	Payment	3888	501000.00	
28-Mar-22	To	SBI CC RANCHI A/C 30028080630 <i>Being amount transfer thru NEFT *SBIN422087459594 SEVA BHARTI</i>	Payment	3949	20000.00	
					1729804.05	
	By	Closing Balance				1729804.05
					1729804.05	1729804.05

Sri Venkatesh Iron & Alloys (India) Ltd. 2022-23(F)

Village - Lapanga

P.O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

WELFARE & DONATION

Ledger Account

1-Apr-22 to 31-Mar-23

Date	Particulars	Vch Type	Vch No.	Debit	Credit
1-Apr-22	To Cash	Payment	9	3000.00	
	CASH PAID TO BIRENDER BEDIA (SARHUL PUJA)				
3-Apr-22	To Cash	Payment	20	2500.00	
	CASH PAID FOR SARHUL FESTIVAL CHORDHARA				
4-Apr-22	To Cash	Payment	24	2000.00	
	CASH PAID TO KAMLESH BEDIA CHOKIYATAND				
4-Apr-22	To Cash	Payment	25	20000.00	
	CASH PADI TO CHARENDER BEDIA PATRATU(JMM)				
5-Apr-22	To SBI A/C (40531925741)	Payment	30	10000.00	
	CH.NO-886586 RAJENDRA BEDIA (HOLI EXP)				
5-Apr-22	To Cash	Payment	82	2000.00	
	CASH PAID TO SAMIMA BANO				
6-Apr-22	To Cash	Payment	92	1500.00	
	CASH PAID TO RASHTRIYA SEWA MANCH BHUKUNDA (FOR RAMNAVAMI)				
7-Apr-22	To Cash	Payment	107	3500.00	
	CASH PAID TO BITTU THAKUR (FOR RAMNAVAMI)				
8-Apr-22	To Cash	Payment	130	1000.00	
	CASH PAID TO TURI TOLA (FOR RAMNAVAMI)				
9-Apr-22	To Cash	Payment	152	2500.00	
	CASH PAID TO SANJAY NATH KARMALI FOR KENDRYA MILAN SARHUL PUJA SAMITI				
9-Apr-22	To Cash	Payment	153	4500.00	
	CASH PAID TO RAMNAVMI MAHUATOLA				

10-Apr-22	To	Cash	Payment	154	2000.00	
		<i>CASH PAID TO KOKA ANSARI</i>				
11-Apr-22	To	SBI A/C (40531925741)	Payment	159	30000.00	
		<i>CCH.NO-886596 RAJENDRA BEDIA</i>				
11-Apr-22	To	Cash	Payment	160	4100.00	
		<i>CASH PAID TO KAWALI BARKAKANA</i>				
12-Apr-22	To	Cash	Payment	175	500.00	
		<i>CASH PAID TO KAMLESH JI CHAUKITAND</i>				
19-Apr-22	To	SBI A/C (40531925741)	Payment	215	30000.00	
		<i>CCH.NO-886602 MALTI CONSTRUCTION</i>				
27-Apr-22	To	Cash	Payment	293	10000.00	
		<i>CASH PAID TO AZAD JEE FOR HOLI</i>				
3-May-22	To	Cash	Payment	336	40000.00	
		<i>CASH PAID TO CHARENDRA BEDIYA JI (APRIL+MAY)</i>				
18-May-22	To	Cash	Payment	502	10000.00	
		<i>CASH PAID TO JAYANT TURI (FOR ELECTION)</i>				
25-May-22	To	SBI A/C (40531925741)	Payment	553	30000.00	
		<i>CH.NO-886673 MALTI CONSTRUCITON(DWARIKA JEE)</i>				
4-Jun-22	To	Cash	Payment	701	5000.00	
		<i>CASH PAID TO MANDA PUJA (CHAIGADA)</i>				
13-Jun-22	To	SBI A/C (40531925741)	Payment	820	30000.00	
		<i>CH.NO-050631 RAJENDER BEDIA</i>				
24-Jun-22	To	Cash	Payment	958	2000.00	
		<i>CASH PAID TO KAMLESH BEDIA (FOR CREMATION OF FATHER)</i>				
29-Jun-22	To	Cash	Payment	1030	9000.00	
		<i>CASH PAID TO MUDIN ANSARI (AKHIL BHARTIYA MANAWADHIKAR SANSTHAN)</i>				
30-Jun-22	To	SBI A/C (40531925741)	Payment	1052	30000.00	
		<i>CH.NO-050225,MALTI CONSTRUCTION (DWARIKA JEE)</i>				
30-Jun-22	To	Cash	Payment	1066	3000.00	

		CASH PAID TO DURBEJ JEE (LAGATTAR NEWS)				
11-Jul-22	To	SBI A/C (40531925741)	Payment	1246	3000.00	
		CH.NO-050294 (RAJENDRA BEDIA)				
19-Jul-22	To	SBI CC RANCHI A/C 30028080630	Payment	1315	3100.00	
		TO TRANSFERINB NEFT				
8-Aug-22	To	Cash	Payment	1555	2100.00	
		CASH PAID TO VISHWA AADIWASI DIWAS				
8-Aug-22	To	Cash	Payment	1556	20000.00	
		CASH PAID TO CHARENDRA BEDIA(JMM)				
8-Aug-22	To	Cash	Payment	1557	1500.00	
		CASH PAID TO MUHARRAM (CHIKOR)				
8-Aug-22	To	Cash	Payment	1558	4100.00	
		CASH PAID TO MUHARRAM (CHAINGADDA)				
8-Aug-22	To	Cash	Payment	1559	750.00	
		CASH PAID TO MUHARRAM (CHIKORE)				
10-Aug-22	To	SBI A/C (40531925741)	Payment	1578	30000.00	
		CH.NO-050102 RAJENDRA BEDIA (MONTHLY)				
11-Aug-22	To	Cash	Payment	1613	5000.00	
		CASH PAID TO ANUP THAKUR				
12-Aug-22	To	Cash	Payment	1638	2100.00	
		CASH PAID TO MARKSWADI SAMANVAY SAMITI PATRATU RAMGARH				
13-Aug-22	To	Cash	Payment	1646	2500.00	
		CASH PAID TO DURVEJ JEE (LAGATTAR NEWS) 15TH AUG				
13-Aug-22	To	Cash	Payment	1647	1000.00	
		CASH PAID TO BIRENDER JEE (SAHARA NEWS) 15TH AUG				
13-Aug-22	To	Cash	Payment	1648	6000.00	
		CASH PAID TO SAGARJEE (NEWS11) 15TH AUG				
13-Aug-22	To	Cash	Payment	1649	1000.00	
		CASH PAID TO MAHAVEER JEE (15TH AUG)				

14-Aug-22	To	Cash	Payment	1657	2500.00	
		<i>CASH PAID TO ANUJ JEE (15TH AUG)</i>				
14-Aug-22	To	Cash	Payment	1658	1000.00	
		<i>CASH PAID TO AMIT PATHAK(UJJAWAL DUNIA) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1659	2000.00	
		<i>CASH PAID TO UTTAM SINHA (AWAZ) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1660	2000.00	
		<i>CASH PAID TO BIJENDRA KUMAR (AZAD SIPAHI) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1661	1000.00	
		<i>CASH PAID TO RAJNISH PRASAD (JHARKHAND JAGRAN) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1662	1500.00	
		<i>CASH PAID TO SHIV KR SINGH (RANCHI EXPRESS) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1663	2000.00	
		<i>CASH PAID TO KAMLESH MEHTA (KHABAR MANTAR) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1664	2500.00	
		<i>CASH PAID TO MAHESH PRASAD VERMA (TAJA TV) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1665	5000.00	
		<i>CASH PAID TO SULTAN ANSARI AGAINST MARRIAGE OF SISTER</i>				
14-Aug-22	To	Cash	Payment	1666	2000.00	
		<i>CASH PAID TO MANSOOR KHAN (KHABAR 365) 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1667	2000.00	
		<i>CASH PAID TO JAGRAN PRAKASHAN LTD. ON 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1668	2000.00	
		<i>CASH PAID TO PRABHAT KHABAR ON 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1669	1000.00	
		<i>CASH PAID TO MUKESH JEE ON 15TH AUG</i>				
14-Aug-22	To	Cash	Payment	1670	2000.00	
		<i>CASH PAID TO AWDESH SHARMA ON 15TH AUG</i>				
16-Aug-22	To	SBI A/C (40531925741)	Payment	1681	30000.00	

		CH.NO-050123 DWARIKA JEE (MALTI CONSTRUCTION)				
16-Aug-22	To	Cash	Payment	1682	1000.00	
		CASH PAID TO SOURABH SINGH (R-24 BHARAT) 15TH AUG				
16-Aug-22	To	Cash	Payment	1683	1000.00	
		CASH PAID TO MEERA SINGH (JK 24*7) ON 15TH AUG				
16-Aug-22	To	Cash	Payment	1684	5000.00	
		CASH PAID TO MUDDIN (MOHARRAM)				
24-Aug-22	To	Cash	Payment	1737	5100.00	
		PAID TO SHREE KED SHAKTIDHAM SAMITY				
24-Aug-22	To	Cash	Payment	1738	4200.00	
		PAID TO SHREE KED SHAKTIDHAM SAMITY				
28-Aug-22	To	Cash	Payment	1763	1500.00	
		CASH PAID TO SHREE SHREE GANESH PUJA SAMITI BHADANINAGAR				
1-Sep-22	To	SBI CC RANCHI A/C 30028080630	Payment	1812	11000.00	
		TO TRANSFERINB NEFT				
1-Sep-22	To	Cash	Payment	1815	1100.00	
		CASH PAID TO DURGA PUJA (GHUTUA)				
2-Sep-22	To	Cash	Payment	1825	5000.00	
		CASH PAID TO ROSHAN KARMALI(SARPANCH JEE) M/O SEP & OCT				
3-Sep-22	To	Cash	Payment	1830	20000.00	
		CASH PAID TO CHARENDRA BEDIA JEE. MONTHLY				
3-Sep-22	To	Cash	Payment	1831	2000.00	
		CASH PAID TO KAMLESH JEE CHOKIYA. MONTHLY				
4-Sep-22	To	Cash	Payment	1833	750.00	
		CASH PAID TO KARMA PUJA MAHUATOLA(BARGACH)				
5-Sep-22	To	Cash	Payment	1887	750.00	
		CASH PAID TO KARMA PUJA MAHUATOLA				
5-Sep-22	To	Cash	Payment	1888	1500.00	
		CASH PAID TO CHOKIYATAND KARMA PUJA				

5-Sep-22	To	Cash	Payment	1889	2100.00	
		<i>CASH PAID TO RANKA BASTI (KARMA PUJA)</i>				
5-Sep-22	To	Cash	Payment	1890	1000.00	
		<i>CASH PAID TO TURI TOAL</i>				
14-Sep-22	To	SBI A/C (40531925741)	Payment	1988	30000.00	
		<i>CH.NO-886805 RAJENDRA BEDIA</i>				
14-Sep-22	To	Cash	Payment	1991	2100.00	
		<i>CASH PAID TO MRT DVC RAMGARH</i>				
15-Sep-22	To	Cash	Payment	1997	2000.00	
		<i>CASH PAID TO GIDDI SUB STATION</i>				
15-Sep-22	To	Cash	Payment	1998	500.00	
		<i>CASH PAID TO CHAINGADDA VISHWAKARMA PUJA</i>				
15-Sep-22	To	Cash	Payment	1999	2100.00	
		<i>CASH PAID TO MANOJ THAKUR (BHKD STATION) VISWAKARMA PUJA</i>				
19-Sep-22	To	Cash	Payment	2032	3000.00	
		<i>CASH PAID TO DR. ASHISH</i>				
19-Sep-22	To	Cash	Payment	2033	7000.00	
		<i>CASH PAID TO RAAIT VISHTAPITH MORCHA</i>				
26-Sep-22	To	SBI A/C (40531925741)	Payment	2090	40000.00	
		<i>CH.NO-886820 JAI PRAKASH MAHTO(DURGA PUJA)</i>				
26-Sep-22	To	SBI A/C (40531925741)	Payment	2091	25000.00	
		<i>CH.NO-886821 PRADEEP ORAWN(DURGA PUJA)</i>				
26-Sep-22	To	SBI A/C (40531925741)	Payment	2094	45000.00	
		<i>CH.NO-886823 RAJENDRA BEDIA(DETENTION FOR FARMER)</i>				
28-Sep-22	To	SBI A/C (40531925741)	Payment	2113	15000.00	
		<i>CH.NO-886829 DWARIKA JEE (MALTI CONSTRUCTION)</i>				
29-Sep-22	To	Cash	Payment	2125	3100.00	
		<i>PAID TO SATYA AMAR LOK</i>				
30-Sep-22	To	SBI A/C (40531925741)	Payment	2126	5000.00	

		CH.NO-886834 JAI PRAKASH MAHTO(DURGA PUJA)				
1-Oct-22	To	Cash	Payment	2154	3000.00	
		CASH PAID TO MUDDIN ANSARI (ANTARRASTRIYA MANAVADHIKAR)				
2-Oct-22	To	Cash	Payment	2157	2000.00	
		CASH PAID TO KAMLESH BEDIA (MONTHLY)				
2-Oct-22	To	Cash	Payment	2158	2000.00	
		CASH PAID TO SURENDRA KARMALI JEE (DURGA PUJA)				
2-Oct-22	To	Cash	Payment	2159	1100.00	
		CASH PAID TO RECRATION CLUB BHURKUNDA (DURGA PUJA)				
3-Oct-22	To	Cash	Payment	2167	1100.00	
		DONATION FOR DURGA PUJA (CHORDHARA)				
3-Oct-22	To	Cash	Payment	2168	15000.00	
		CASH PAID TO BHOLA BEDIA/KAMLESH BEDIA AGAINST DETENTION OF FARMER				
3-Oct-22	To	Cash	Payment	2169	5000.00	
		CASH PAID TO YASWANT VERMA JEE (DURGA PUJA)				
3-Oct-22	To	Cash	Payment	2170	10000.00	
		CASH PAID TO LAPANGA (DURGA PUJA)				
6-Oct-22	To	Cash	Payment	2220	20000.00	
		CASH PAID TO CHARENDRA BEDIA (JMM),MONTHLY A/C				
11-Oct-22	To	SBI A/C (40531925741)	Payment	2259	10000.00	
		CH.NO-886848 RAJENDRA BEDIA (FARMER FOR DURGA PUJA)				
11-Oct-22	To	Cash	Payment	2260	2000.00	
		CASH PAID TO SAMIMA BANO. MONTHLY A/C				
13-Oct-22	To	Cash	Payment	2293	2000.00	
		CASH PAID TO KOKA ANSARI M/O SEP'22				
15-Oct-22	To	SBI A/C (40531925741)	Payment	2319	5000.00	
		CH.NO-886862 PRADEEP ORAON				
15-Oct-22	To	Cash	Payment	2324	25000.00	
		CASH PAID TO PRADEEP ORAON AGAINST DETENTION OF FARMER				

17-Oct-22	To	DIRECTOR IFP RANCHI	Journal		30000.00	
17-Oct-22	To	SBI A/C (40531925741)	Payment	2341	30000.00	
		<i>CH.NO-886867 RAJENDRA BEDIA</i>				
17-Oct-22	To	SBI CSR AC(A/C NO-40887498745)	Payment	2342	10000.00	
		<i>TO TRANSFER-INB NEFT UTR NO: SBIN322290102352-</i>				
22-Oct-22	To	Cash	Payment	2410	1500.00	
		<i>CASH PAID TO ALOK SINGH(REPORTER)</i>				
22-Oct-22	To	Cash	Payment	2411	5000.00	
		<i>CASH PAID TO LAPNGA SARPANCH</i>				
22-Oct-22	To	Cash	Payment	2412	1500.00	
		<i>CASH PAID TO DEEPAK SINGH (REPORTER)</i>				
23-Oct-22	To	Cash	Payment	2413	2100.00	
		<i>CASH PAID TO BHADANINAGAR COAL COMPANY FOR KALI PUJA(GLASS FACTORY)</i>				
26-Oct-22	To	Cash	Payment	2427	1500.00	
		<i>CASH PAID TO NARESH NAYAK</i>				
26-Oct-22	To	Cash	Payment	2428	1100.00	
		<i>CASH PAID TO SAGAR JEE (BHURKUNDA KALI PUJA)</i>				
28-Oct-22	To	Cash	Payment	2456	2500.00	
		<i>CASH PAID TO SARPANCH JEE M/O NOV</i>				
31-Oct-22	To	SBI A/C (40531925741)	Payment	2463	7100.00	
		<i>CH.NO-50326 (RAMGARH GAUSHALA COMMITTEE)</i>				
2-Nov-22	To	Cash	Payment	2492	5000.00	
		<i>CASH PAID TO BARIK ANSARI</i>				
4-Nov-22	To	Cash	Payment	2503	75000.00	
		<i>CASH PAID TO MUKHIYA JEE LAPANGA PANCHAYAT FROM JUNE TO OCT=5</i>				
6-Nov-22	To	Cash	Payment	2559	10000.00	
		<i>CASH PAID TO RAKESH MUNDA JEE (DEORIA)</i>				
7-Nov-22	To	SBI CSR AC(A/C NO-40887498745)	Payment	2564	51000.00	
		<i>TO CLEARING-BOB RANCHI GOUSHALA NYAS-87776</i>				

7-Nov-22	By	SBI CSR AC(A/C NO-40887498745)	Receipt	1301		51000.00
		<i>TO CLEARING-BOB RANCHI GOUSHALA NYAS-87776 (Reverse)</i>				
7-Nov-22	To	SBI CSR AC(A/C NO-40887498745)	Payment	2566	25000.00	
		<i>TO TRANSFER-INB NEFT UTR NO: SBIN422311715637-</i>				
10-Nov-22	To	Cash	Payment	2589	5000.00	
		<i>CASH PAID TO MUKHIYA JEE FOR CHHAT GHAT</i>				
10-Nov-22	To	Cash	Payment	2590	20000.00	
		<i>CASH PAID TO CHARENDRA BEDIYA JEE</i>				
13-Nov-22	To	SBI A/C (40531925741)	Payment	2615	30000.00	
		<i>CH.NO-050360 RAJENDRA BEDIA</i>				
14-Nov-22	To	Cash	Payment	2641	1500.00	
		<i>CASH PAID TO VISHWA DIYANG DIWAS</i>				
16-Nov-22	To	SBI CSR AC(A/C NO-40887498745)	Payment	2666	51000.00	
		<i>TO CLEARING-BOB RANCHI GOUSHALA NYAS-87777</i>				
18-Nov-22	To	SBI A/C (40531925741)	Payment	2701	30000.00	
		<i>CH.NO-050374 MALTI CONSTRUCTION</i>				
22-Nov-22	To	Cash	Payment	2730	2000.00	
		<i>CASH PAID TO SURENDRA KARMALI JEE</i>				
23-Nov-22	To	Cash	Payment	2742	3000.00	
		<i>CASH PAID TO DR. AASHISH</i>				
26-Nov-22	To	Cash	Payment	2794	5000.00	
		<i>CASH PAID TO HARILAL BEDIYA</i>				
12-Dec-22	To	SBI A/C (40531925741)	Payment	3051	30000.00	
		<i>CH.NO-050826 RAJENDER BEDIA</i>				
13-Dec-22	To	Cash	Payment	3062	20000.00	
		<i>CASH PAID TO CHARENDRA BEDIA.MONTHLY A/C</i>				
13-Dec-22	To	Cash	Payment	3063	2000.00	
		<i>CASH PAID TO KAMLESH BEDIA.MONTHLY A/C</i>				
16-Dec-22	To	Cash	Payment	3099	10000.00	

		CASH PAID TO PARAMJEET BEDIA S/O LATE SUKRA BEDIA				
16-Dec-22	To	Cash	Payment	3100	3000.00	
		CASH PAID TO DR. ASHISH.MONTHLY A/C				
28-Dec-22	To	Cash	Payment	3233	2000.00	
		CASH PAID TO JIT RAM BEDIA FOR PUNYA THITHI				
31-Dec-22	To	Cash	Payment	3283	5000.00	
		CASH PAID TO RAJENDRA BEDIA (KHATIYAN MAHA SABHA)				
3-Jan-23	To	SBI CSR AC(A/C NO-40887498745)	Payment	3295	22500.00	
		TO CLEARING-ICI SEVA BHARTI-87778				
13-Jan-23	To	SBI A/C (40531925741)	Payment	3433	30000.00	
		CH.NO-050914 RAJENDRA BEDIA				
13-Jan-23	To	Cash	Payment	3441	51000.00	
		PAID TO SRI RAM KATHA AYOJAN SAMITI,HARMU MAIDAN,RANCHI.				
14-Jan-23	To	Cash	Payment	3451	2500.00	
		CASH PAID TO ROSHAN KARMALI, MONTHLY A/C				
15-Jan-23	To	Cash	Payment	3455	4100.00	
		CASH PAID TO DILIP DANGI(TULSI FESTIVAL CHIKORE)				
18-Jan-23	To	Cash	Payment	3474	3000.00	
		CASH PAID TO DR. ASHISH				
19-Jan-23	To	Cash	Payment	3486	4000.00	
		CASH PAID TO RAJESH BEDIA (SARNA PUJA CHAINGADA)				
20-Jan-23	To	Cash	Payment	3492	2500.00	
		CASH PAID TO DURGA SOREN SABHA				
20-Jan-23	To	Cash	Payment	3493	2100.00	
		CASH PAID TO SHAKTI KARMALI (ON CREMATION OF VIJAY KARMALI)				
24-Jan-23	To	Cash	Payment	3539	1500.00	
		CASH PAID TO RANCHI EXPRESS (SHIV KUMAR SINGH)				
24-Jan-23	To	Cash	Payment	3540	1000.00	
		CASH PAID TO SHANDHYA PAREHARI (RAHUL PRASAD)				

24-Jan-23	To	Cash	Payment	3541	2000.00	
		CASH PAID TO KHABAR MATRA(KAMLESH KUMAR)				
24-Jan-23	To	Cash	Payment	3542	1000.00	
		CASH PAID TO JHARKHAND JAGRAN (RAJNISH PRASAD)				
24-Jan-23	To	Cash	Payment	3543	2500.00	
		CASH PAID TO BIJENDRA KUMAR (AAZAD SIPAHI)				
24-Jan-23	To	Cash	Payment	3544	1000.00	
		CASH PAID TO MAHAVEER JEE 9PRABHAT KHABAR)				
24-Jan-23	To	Cash	Payment	3545	3000.00	
		CASH PAID TO DURVEJ ALAM (LAGATAR NEWS)				
24-Jan-23	To	Cash	Payment	3546	2500.00	
		CASH PAID TO MANSUR KHAN (KHABAR 365)				
24-Jan-23	To	Cash	Payment	3547	1000.00	
		CASH PAID TO SAGAR JEE(26TH JAN)				
24-Jan-23	To	Cash	Payment	3548	5000.00	
		CASH PAID TO SAGAR JEE(NEWS 11)				
24-Jan-23	To	Cash	Payment	3549	2000.00	
		CASH PAID TO UTTAM SINHA(AWAZ PRAKASHAN)				
24-Jan-23	To	Cash	Payment	3550	1000.00	
		CASH PAID TO SAHARA SAMAY (BIRENDER JEE) 26TH JAN				
25-Jan-23	To	Cash	Payment	3573	2500.00	
		CASH PAID TO SARSWATI PUJA (MAHUA TOLA)/SACHIN JEE				
25-Jan-23	To	Cash	Payment	3574	2500.00	
		CASH PAID TO ROSHAN KARMALI AGT. SARSAWATI PUJA LAPANGA				
28-Jan-23	To	Cash	Payment	3593	1500.00	
		CASH PAID TO NARESH NAYAK				
28-Jan-23	To	Cash	Payment	3594	2500.00	
		CASH PAID TO ANUJ JEE				
28-Jan-23	To	Cash	Payment	3595	3000.00	

		<i>CASH PAID TO TAZA TV/MAHESH JEE</i>				
28-Jan-23	To	Cash	Payment	3596	1000.00	
		<i>CASH PAID TO HEERA SINGH</i>				
29-Jan-23	To	Cash	Payment	3597	1000.00	
		<i>CASH PAID TO SAURABH SINGH</i>				
31-Jan-23	To	Cash	Payment	3621	5000.00	
		<i>CASH PAID TO DAINIK BHASKAR (AWDESH SHARMA)</i>				
3-Feb-23	To	Cash	Payment	3637	3100.00	
		<i>CASH PAID TO JAGTAR JEE</i>				
8-Feb-23	To	Cash	Payment	3727	4000.00	
		<i>CASH PAID TO BARIK JEE (VAN BHOJ)</i>				
8-Feb-23	To	Cash	Payment	3728	2000.00	
		<i>CASH PAID TO PRABHAT KHABAR (RAJU SINGH)</i>				
8-Feb-23	To	Cash	Payment	3729	2000.00	
		<i>CASH PAID TO DAINIK JAGRAN (RAKESH PANDEY)</i>				
9-Feb-23	To	Cash	Payment	3744	2100.00	
		<i>CASH PAID TO SURENDER KARMALI</i>				
9-Feb-23	To	Cash	Payment	3745	2000.00	
		<i>CASH PAID TO SAMIMA BANO</i>				
9-Feb-23	To	Cash	Payment	3746	5000.00	
		<i>CASH PAID TO KISHORE AKELA (MOTATION A/C)</i>				
9-Feb-23	To	Cash	Payment	3747	10000.00	
		<i>CASH PAID TO AZAD JEE</i>				
10-Feb-23	To	Cash	Payment	3758	2100.00	
		<i>CASH PAID TO SRI RAM KUMAR (SHIVRATRI DONATION)</i>				
11-Feb-23	To	SBI A/C (40531925741)	Payment	3763	30000.00	
		<i>CH.NO-361940 (RAJENDRA BEDIA)</i>				
12-Feb-23	To	Cash	Payment	3770	1100.00	
		<i>CASH PAID TO SRI SARADA SANGHA</i>				

13-Feb-23	To	Cash	Payment	3783	20000.00	
		<i>CASH PAID TO CHARENDRA BEDIA</i>				
16-Feb-23	To	Cash	Payment	3814	5100.00	
		<i>CASH PAID TO SHIV MANDIR (PATRATU)</i>				
17-Feb-23	To	Cash	Payment	3823	5100.00	
		<i>CASH PAID TO KAVI SAMMELAN AAYOJAN SAMITI</i>				
17-Feb-23	To	Cash	Payment	3824	4000.00	
		<i>CASH PAID TO SARNA PUJA SARHUL/SANJAY BEDIYA</i>				
17-Feb-23	To	Cash	Payment	3825	2100.00	
		<i>CASH PAID TO BARIK ANSARI (MAHA SAVITRI PUJA)</i>				
17-Feb-23	To	Cash	Payment	3826	1100.00	
		<i>CASH PAID TO MOTILAL MAHTO (MAHA SAVITRI PUJA)</i>				
23-Feb-23	To	Cash	Payment	3892	5000.00	
		<i>CASH PAID TO ROSHAN KARMALI/SARPANCH JEE FOR 2 MONTHS</i>				
1-Mar-23	To	Cash	Payment	3940	2000.00	
		<i>CASH PAID TO SURENDRA KARMALI FOR HOLI</i>				
2-Mar-23	To	Cash	Payment	3943	3100.00	
		<i>CASH PAID TO HARILAL MAHTO (HANUMAN MANDIR CHINGADA)</i>				
3-Mar-23	To	SBI A/C (40531925741)	Payment	3949	40000.00	
		<i>CH.NO-361983 (JAI PRAKASH MAHTO)</i>				
3-Mar-23	To	SBI A/C (40531925741)	Payment	3950	25000.00	
		<i>CH.NO-361984 (PRADEEP OROAN)</i>				
3-Mar-23	To	SBI A/C (40531925741)	Payment	3951	45000.00	
		<i>CH.NO-361986 (RAJENDRA BEDIA)</i>				
4-Mar-23	To	Cash	Payment	3973	5000.00	
		<i>CASH PAID TO YASWANT VERMA</i>				
4-Mar-23	To	Cash	Payment	3974	25000.00	
		<i>CASH PAID TO SHIVSHANKAR PANDEY (HOLI)</i>				
5-Mar-23	To	SBI A/C (40531925741)	Payment	3991	30000.00	

		CH.NO-361811 (RAJENDRA BEDIA)				
5-Mar-23	To	Cash	Payment	4028	15000.00	
		CASH PAID TO BOLA BEDIA HOLI EXP FOR FARMER				
6-Mar-23	To	Cash	Payment	4051	2500.00	
		CASH PAID TO ANUJ THAKUR FOR HOLI				
6-Mar-23	To	Cash	Payment	4052	5000.00	
		CASH PAID TO HARILAL JEE FOR HOLI				
6-Mar-23	To	Cash	Payment	4053	1500.00	
		CASH PAID TO DEEPAK JEE (PRABHAT KHABAR)				
6-Mar-23	To	Cash	Payment	4054	1500.00	
		CASH PAID TO ALOK JEE (JAGRAN)				
6-Mar-23	To	Cash	Payment	4055	1000.00	
		CASH PAID TO MAHAVEER JEE FOR HOLI				
7-Mar-23	To	Cash	Payment	4060	4500.00	
		CASH PAID TO MUNDA JEE (ANTRASTRIYA MANAVDHIKAR SANGATHAN) JAN'23 TO				
7-Mar-23	To	Cash	Payment	4061	20000.00	
		CASH PAID TO CHARENDRA BEDIA				
7-Mar-23	To	Cash	Payment	4062	1000.00	
		CASH PAID TO SANJAY BEDIA (HOLI)				
18-Mar-23	To	SBI A/C (40531925741)	Payment	4142	5000.00	
		CH.NO-3618389 JAI PRAKASH MAHTO (HOLI EXP)				
23-Mar-23	To	SBI A/C (40531925741)	Payment	4230	5000.00	
		CH.NO-361851 PRADEEP ORAWAN(HOLI EXP)				
25-Mar-23	To	SBI A/C (40531925741)	Payment	4253	15000.00	
		CH.NO-361862 MALTI CONSTRUCTION (DWARIKA JEE)				
					1801650.00	51000.00
	By	Closing Balance				1750650.00
					1801650.00	1801650.00

Sri Venkatesh Iron & Alloys (India) Ltd. 2023-24(F)

Village - Lapanga

P.O. Bhadaninagar

Dist- Ramgarh (Jharkhand)

Pin Code - 829105

E-Mail : venkatesh_iron @ yahoo.com

WELFARE & DONATION

Ledger Account

1-Apr-23 to 31-Mar-24

Date	Particulars	Vch Type	Vch No.	Debit	Credit
12-Apr-23	To SBI A/C (40531925741)	Payment	181	30000.00	
	CH.NO-362038 RAJENDRA BEDIA				
12-Apr-23	To SBI A/C (40531925741)	Payment	182	10000.00	
	CH.NO-362039 RAJENDRA BEDIA (HOLI EXP)				
17-Apr-23	To Cash	Payment	220	2500.00	
	Being amount paid to Rajendra Bedia against donation for Jharkhandi Bhasha Khatiyani Sangharsh Samiti.				
21-Apr-23	To Cash	Payment	276	1100.00	
	Being amount paid to Firdosh Alam Jee against Old Age Home Bhurkunda.				
29-Apr-23	To Cash	Payment	349	3000.00	
	Being amount paid to Sri Rajesh Mandal against Ajsu Party Program in Ranchi.				
1-May-23	To SBI A/C (40531925741)	Payment	360	15000.00	
	CH.NO-362097 PAID TO MALTI CONSTRUCTION/DWARIKA JEE				
5-May-23	To Cash	Payment	3823	3100.00	
	PAID TO AZAD JEE FOR YAG SAMITE				
13-May-23	To SBI A/C (40531925741)	Payment	494	30000.00	
	CH.NO-462446 PAID TO RAJENDRA BEDIA				
19-May-23	To Cash	Payment	3818	2500.00	
	PAID TO AZAD JEE				
22-May-23	To SBI CC RANCHI A/C 30028080630	Payment	554	7100.00	
	TO TRANSFER-INB NEFT				
23-May-23	To Cash	Payment	3827	3100.00	
	PAID TO JAGTAR SINGH (KARYAKARINI SAMITI BJP)				
3-Jun-23	To SBI A/C (40531925741)	Payment	671	15000.00	
	CH.NO-462640 MALTI CONSTRUCTION /DWARIKA JEE				
10-Jun-23	To Cash	Payment	3824	5000.00	
	PAID TO ROHIT BEDIA (ADIWASI SAMMILAN PATRATU)				
10-Jun-23	To Cash	Payment	3828	6000.00	
	PAID TO RAJENDRA BEDIA (MANDA PUJA CHAINGADDA)				
12-Jun-23	To SBI A/C (40531925741)	Payment	813	30000.00	
	CH.NO-462692 PAID TO RAJENDRA BEDIA (MONTHLY)				
12-Jun-23	To SBI CSR AC(A/C NO-40887498745)	Payment	3653	101000.00	
	TO CLEARING-Chq No.				
19-Jun-23	To Cash	Payment	3825	1500.00	
	PAID TO NARESH NAYAK				
19-Jun-23	To Cash	Payment	3826	4500.00	
	PAID TO MUDIN JEE (ANTARASTRIYA MANAVADHIKAR)				
29-Jun-23	To SBI A/C (40531925741)	Payment	964	15000.00	
	CH.NO-462718 DWARIKA JEE / MALTI CONSTRUCTION (MONTHLY)				
29-Jun-23	To Cash	Payment	3821	3000.00	
	PAID TO DURBEJ JE (SUGAM SANDESH)				
6-Jul-23	To SBI CC RANCHI A/C 30028080630	Payment	1092	100000.00	
	TO TRANSFER-INB NEFTDONATION BHARTIYA JANTA PARTY				
7-Jul-23	To SBI CSR AC(A/C NO-40887498745)	Payment	2907	5100.00	
	TO TRANSFER-INB NEFTKoderma Goshala samity				
10-Jul-23	To SBI CSR AC(A/C NO-40887498745)	Payment	2908	20000.00	
	TO TRANSFER-INB NEFTSEVA BHARTI				
11-Jul-23	To SBI A/C (40531925741)	Payment	1128	30000.00	
	CH.NO-462344 PAID TO RAJENDRA BEDIA				
20-Jul-23	To SBI CSR AC(A/C NO-40887498745)	Payment	2909	5100.00	
	TO TRANSFER-INB NEFTKoderma Goshala samity				
20-Jul-23	To Cash	Payment	3822	1100.00	
	PAID TO BARIK ANSARI (CHIKOR) FOR HAZRAT BRIDISAH BABA				
27-Jul-23	To SBI A/C (40531925741)	Payment	1279	15000.00	

CH.NO-462371 DWARIKA JEE/MALTI CONSTRUCTION					
27-Jul-23	To	Cash	Payment	3819	1100.00
		PAID TO CHIKOR FOR MOHARRAM			
27-Jul-23	To	Cash	Payment	3820	4100.00
		PAID TO MD. AKHTAR ANSARI FOR MOHARRAM(CHINGADA)			
9-Aug-23	To	Cash	Payment	3584	5100.00
		PAID TO VISHWA ADIWASI DIWAS(RAJA BABU MUNDA)			
11-Aug-23	To	Cash	Payment	3592	50000.00
		PAID TO ANJAN PRASAD (CONGRESS COMMITTEE)			
20-Aug-23	To	SBI A/C (40531925741)	Payment	1499	30000.00
		CH.NO-462416 RAJENDRA BEDIA			
21-Aug-23	To	SBI CC RANCHI A/C 30028080630	Payment	1506	3500.00
		TO TRANSFER-INB NEFTBPV RANCHI NADHYA BRANCH			
26-Aug-23	To	SBI A/C (40531925741)	Payment	1534	15000.00
		CH.NO-462428,MALTI CONSTRUCTION/DWARIKA JEE			
27-Aug-23	To	Cash	Payment	3583	1100.00
		PAID TO SOMWARI PUJA SAWAN (SINGLE LINE BHURKUNDA)			
7-Sep-23	To	Cash	Payment	3586	11000.00
		PAID TO BLACK DIAMOND SPORTING CLUB (CHORDHARA)			
8-Sep-23	To	Cash	Payment	1695	8950.00
		Paid to Shree Rani Sati Jee Mandir Jhunjhunu.			
8-Sep-23	To	Cash	Payment	1696	330.00
		Paid to Shree Rani Sati Jee Mandir Jhunjhunu.			
8-Sep-23	To	Cash	Payment	3591	2100.00
		PAID TO CHEHALLUM (BHURKUNDA)			
9-Sep-23	To	Cash	Payment	1705	630.00
		Paid to Shree Rani Sati Jee Mandir Jhunjhunu.			
9-Sep-23	To	Cash	Payment	3585	2000.00
		PAID TO SAMINA BANO			
12-Sep-23	To	Cash	Payment	1716	11000.00
		Paid to Shree Ked Shaktidham Samity,Jhunjhunu,Rajasthan.			
12-Sep-23	To	Cash	Payment	3587	1500.00
		PAID TO HASHMAT JEE			
12-Sep-23	To	Cash	Payment	3588	1000.00
		PAID TO NANKU JEE			
12-Sep-23	To	Cash	Payment	3589	5000.00
		PAID TO JEE SAHAB BHKD			
12-Sep-23	To	Cash	Payment	3590	20000.00
		PAID TO CHARINDER BEDIYA JEE			
13-Sep-23	To	SBI A/C (40531925741)	Payment	1721	250000.00
		CH.NO-462556 PADI TO MANDIP SINGH'S WIFE			
13-Sep-23	To	Cash	Payment	1722	50000.00
		PAID TO W/O MANDEEP SINGH FOR HELP/WELFARE			
14-Sep-23	To	Cash	Payment	1726	11000.00
		PAID TO SRI SHYAM MAHOTSAV BHURKUNDA			
14-Sep-23	To	Cash	Payment	1727	4500.00
		PAID TO MUDDIN JEE (ANTAR RASTRIYA MANAVADHIKAR)			
15-Sep-23	To	Cash	Payment	1731	11000.00
		Paid to Shree Rani Sati Jee Mandir Jhunjhunu.			
16-Sep-23	To	Cash	Payment	1733	1100.00
		PAID TO JSEB NAISARAI FOR VISHWAKARMA PUJA			
16-Sep-23	To	Cash	Payment	1734	2100.00
		PAID TO MRT RAMGARH FOR VISHWAKARMA PUJA			
16-Sep-23	To	Cash	Payment	1735	2100.00
		PAID TO BHURKUNDA SUBSTATION FOR VISHWAKARMA PUJA			
16-Sep-23	To	Cash	Payment	1736	2100.00
		PAID TO GIDDI SUB STATION FOR VISHWAKARMA PUJA			
18-Sep-23	To	SBI A/C (40531925741)	Payment	1745	30000.00
		CH.NO-462559 PAID TO RAJENDRA BEDIA			
18-Sep-23	To	Cash	Payment	1747	2500.00
		PAID TO SIVASHO DEVI FOR DEATH EXP IN MALHAR TOLA.			
19-Sep-23	To	Cash	Payment	1758	2500.00
		PAID TO GANESH PUJA MAHUA TOLA BHADANINAGAR			
20-Sep-23	To	Cash	Payment	1782	7500.00
		PAID TO RAYAT BISTHAPIT MORCHA LAPANGA.			
20-Sep-23	To	Cash	Payment	1783	5000.00
		PAID TO ROSHA KARMALI JEE			

24-Sep-23	To	Cash	Payment	1836	2000.00
		PAID TO BIRBAL JEE FOR KARMA PUJA TURI TOLA			
24-Sep-23	To	Cash	Payment	1837	1500.00
		PAID TO KAMLESH BEDIA (CHOKIA TAND) FOR KARMA PUJA			
24-Sep-23	To	Cash	Payment	1838	1000.00
		PAID TO MAHUA TOLA FOR KARMA PUJA			
25-Sep-23	To	Cash	Payment	1842	2100.00
		PAID TO SURAJ ORAON			
25-Sep-23	To	Cash	Payment	1843	2100.00
		PAID TO RANKA BASTI FOR KARMA PUJA			
3-Oct-23	To	Cash	Payment	1895	2000.00
		PAID TO KAMLESH BEDIA			
8-Oct-23	To	SBI CC RANCHI A/C 30028080630	Payment	1997	300000.00
		TO TRANSFER-INB RTGS			
8-Oct-23	To	Cash	Payment	2000	2000.00
		PAID TO SHAMIMA BANO CONGRESS MAHILA MORCHA			
10-Oct-23	To	Cash	Payment	2014	2500.00
		PAID TO MAHADEV BEDIA (SEP)			
10-Oct-23	To	Cash	Payment	3579	2000.00
		PAID TO KOKA ANSARI M/O SEP'23			
11-Oct-23	To	Cash	Payment	2025	500.00
		PAID TO PURAN RAM CHOWK DURGA PUJA			
11-Oct-23	To	Cash	Payment	2127	500.00
		PAID TO SURENDRA RAM JI			
12-Oct-23	To	Cash	Payment	2100	1500.00
		PAID TO HASMAT JEE (BHURKUNDA)			
13-Oct-23	To	SBI A/C (40531925741)	Payment	2101	30000.00
		CH.NO-462613 PAID TO RAJENDRA BEDIA			
13-Oct-23	To	SBI CC RANCHI A/C 30028080630	Payment	2104	5100.00
		TO TRANSFER-INB NEFT Koderma Goshala samity			
13-Oct-23	To	SBI A/C (40531925741)	Payment	2111	45000.00
		CH.NO-462614 PAID TO RAJENDRA BEDIA (DURGA PUJA)			
13-Oct-23	To	SBI A/C (40531925741)	Payment	2112	30000.00
		CH.NO-462615 PAID TO MALTI CONSTRUCTION/DWARIKA			
13-Oct-23	To	SBI A/C (40531925741)	Payment	2113	40000.00
		CH.NO-462616 PAID TO JAI PRAKASH MAHTO (DURGA PUJA)			
14-Oct-23	To	SBI A/C (40531925741)	Payment	2123	25000.00
		CH.NO-462619 PAID TO PRADEEP ORAO (DURGA PUJA)			
14-Oct-23	To	Cash	Payment	2124	2100.00
		PAID TO MD. SONU KHAN (CONGRESS) BHURKUNA DURGA PUJA			
14-Oct-23	To	Cash	Payment	2125	25000.00
		PAID TO CHARENDRA BEDIA			
14-Oct-23	To	Cash	Payment	2126	20000.00
		PAID TO ANAND DUBEY			
14-Oct-23	To	Cash	Payment	2128	2000.00
		PAID TO KOKA ANSARI			
14-Oct-23	To	Cash	Payment	2129	7100.00
		PAID TO SARNA SPORTING CLUB ,LAPANGA			
14-Oct-23	To	Cash	Payment	3578	1500.00
		PAID TO CHORENDRA BEDIYA			
16-Oct-23	To	Cash	Payment	2142	1500.00
		PAID TO BANGADDA/RAJAK TOLA FOR DURGA PUJA			
16-Oct-23	To	Cash	Payment	2143	2100.00
		PAID TO MD.SONU KHAN FOR DURGA PUJA			
16-Oct-23	To	Cash	Payment	2144	12000.00
		PAID TO FIRE SAFETY OFFICER			
16-Oct-23	To	Cash	Payment	2145	1500.00
		PAID TO BANGADDA DURGA PUJA			
16-Oct-23	To	Cash	Payment	3577	500.00
		PAID TO MAUSMI JEE GIDDI SUBSTATION			
17-Oct-23	To	Cash	Payment	3580	3000.00
		PAID TO DR. ASHISH			
18-Oct-23	To	SBI A/C (40531925741)	Payment	2158	5000.00
		CH.NO-462625 PAID TO JAI PRAKASH MAHTO (DURGA PUJA)			
19-Oct-23	To	SBI A/C (40531925741)	Payment	2181	15000.00
		CH.NO-516015 PAID TO BHOLA BEDIA(DURGA PUJA)			
19-Oct-23	To	Cash	Payment	2200	30000.00

10-Nov-23	To	Cash	Payment	2454	50000.00
		PAID TO RAJ KISHORE PANDEY(YOGGENDRA SAW)			
11-Nov-23	To	Cash	Payment	2467	5000.00
		PAID TO VINIT KUMAR (GOLU JEE)/SARPANCH LAPANGA			
11-Nov-23	To	Cash	Payment	2468	20000.00
		PAID TO CHARENDRA BEDIYA JEE			
11-Nov-23	To	Cash	Payment	2469	2500.00
		PAID TO ANUJ THAKUR			
11-Nov-23	To	Cash	Payment	2470	2000.00
		PAID TO KOKA ANSARI			
14-Nov-23	To	SBI A/C (40531925741)	Payment	2475	10000.00
		CH.NO-516076 Paid to RAJENDRA BEDIA (DURGA PUJA)			
14-Nov-23	To	SBI A/C (40531925741)	Payment	2476	30000.00
		CH.NO-516077 Paid to RAJENDRA BEDIA MONTHLY			
14-Nov-23	To	Cash	Payment	2479	5000.00
		PAID TO HARILAL JEE			
14-Nov-23	To	Cash	Payment	2480	1500.00
		PAID TO CHORENDER BEDIA			
15-Nov-23	To	Cash	Payment	2488	15000.00
		PAID TO RAM NARAYAN (MUKHIYA)			
16-Nov-23	To	Cash	Payment	2495	2000.00
		PAID TO RASHTRIYA SEWA MUNCH (VISHWA DIYANG DIWAS)			
16-Nov-23	To	Cash	Payment	2496	5100.00
		PAID TO SHREE SHREE DAYAR JATRA MELA (GHUTUWA)			
16-Nov-23	To	Cash	Payment	2497	500.00
		PAID TO MASOOM JEE (MONTHLY)			
17-Nov-23	To	SBI A/C (40531925741)	Payment	2498	11000.00
		CH.NO-516090 PAID TO RAMGRA GOSHALLA COMITTEE			
18-Nov-23	To	Cash	Payment	2507	3000.00
		PAID TO MANDEEP SINGH DHAMI			
20-Nov-23	To	SBI CSR AC(A/C NO-40887498745)	Payment	2517	51000.00
		TO CLEARING-BOB RANCHI			
21-Nov-23	To	Cash	Payment	2519	5000.00
		PAID TO SOHRAJ DAYAR JATRA MELA MATKAMA			
22-Nov-23	To	Cash	Payment	2530	5000.00
		PAID TO BIPIN KUMAR (BHADANI NAGAR CHHAT PUJA)			
23-Nov-23	To	Cash	Payment	2536	1000.00
		PAID TO NANKU JEE (MONTHLY)			
24-Nov-23	To	Cash	Payment	2574	15000.00
		PAID TO AZAD ANSARI (JMM SAHADAT DIWAS)			
26-Nov-23	To	Cash	Payment	2598	10000.00
		PAID TO MANOJ RAM			
26-Nov-23	To	Cash	Payment	2599	1500.00
		PAID TO HASMAT JEE			
27-Nov-23	To	Cash	Payment	3574	2000.00
		PAID TO GIDDI A SUBSTATION			
30-Nov-23	To	SBI A/C (40531925741)	Payment	2636	15000.00
		CH.NO-516336 PAID TO MALTI CONSTRUCTION/DWARIKA JEE			
2-Dec-23	To	Cash	Payment	2663	4500.00
		PAID TO MUDIN JEE (INTL. MANAVADHIKAR SANGATHAN)			
2-Dec-23	To	Cash	Payment	2664	3000.00
		PAID TO ROSHAN KARMALI			
2-Dec-23	To	Cash	Payment	2665	3000.00
		PAID TO GIDDI A SUBSTATION			
2-Dec-23	To	Cash	Payment	3573	2000.00
		PAID TO KAMLESH BEDIYA JI (CHOKIYATAND)			
4-Dec-23	To	Cash	Payment	3575	20000.00
		PAID TO SURAJ ORAWN (MONTHLY)			
10-Dec-23	To	Cash	Payment	3581	2500.00
		PAID TO MAHADEV BEDIA			
10-Dec-23	To	Cash	Payment	3582	2000.00
		PAID TO SAMIMA BANO			
11-Dec-23	To	Cash	Payment	4188	2500.00
		PAID TO NARESH KARMALI AGAINST CREMATION OF HIS FATHER			
13-Dec-23	To	SBI A/C (40531925741)	Payment	2789	5000.00
		CH.NO-516363 PAID TO PRADEEP ORAON FOR DURGA PUJA			
13-Dec-23	To	SBI A/C (40531925741)	Payment	2790	30000.00

2-Feb-24	To	Cash	Payment	4159	15000.00
		PAID TO RAM NARAYAN KUMAR MUKHIYA JEE (CHORDHARA)			
3-Feb-24	To	Cash	Payment	4156	2500.00
		PAID TO JAGTAR JEE			
7-Feb-24	To	SBI A/C (40531925741)	Payment	3294	15000.00
		CH.NO-794976 PAID TO DWARIKA JEE MALTI CONSTRUCTION			
7-Feb-24	To	Cash	Payment	4151	2000.00
		PAID TO KAMLESH BEDIA JEE (CHOKIYA TAND)			
7-Feb-24	To	Cash	Payment	4152	7500.00
		PAID TO BHOLTA JEE BHADANINAGAR			
9-Feb-24	To	Cash	Payment	4150	2000.00
		PAID TO SHAMIMA BANO			
10-Feb-24	To	Cash	Payment	4149	2500.00
		PAID TO MAHADEV BEDIA (M/O JAN)			
11-Feb-24	To	Cash	Payment	4148	2000.00
		PAID TO KOKA ANSARI M/O JAN'24			
12-Feb-24	To	SBI A/C (40531925741)	Payment	3406	30000.00
		CH.NO-754984 PAID TO RAJENDRA BEDIA(MONTHLY)			
12-Feb-24	To	Cash	Payment	4147	1500.00
		PAID TO HASMAT JEE (FEB'24)			
13-Feb-24	To	Cash	Payment	4141	2500.00
		PAID TO JITENDRA KR MAHTO MAHUA TOLA (SARASWATI PUJA)			
13-Feb-24	To	Cash	Payment	4142	1100.00
		PAID TO SONU BEDIA CHOKIYA TAND (SARASWATI PUJA)			
13-Feb-24	To	Cash	Payment	4143	10000.00
		PAID TO GOVIND BEDIA			
13-Feb-24	To	Cash	Payment	4144	1100.00
		PAID TO KAMLESH KESHRI (RANKA TOLA), SARASWATI PUJA			
13-Feb-24	To	Cash	Payment	4145	4000.00
		PAID TO DIPAK KARMALI CHINGADDA (SARNA PRATHNA SABHA)			
13-Feb-24	To	Cash	Payment	4146	1500.00
		PAID TO ROSHAN KARMALI LAPANGA COLONY(SARASWATI PUJA)			
14-Feb-24	To	Cash	Payment	4140	10000.00
		PAID TO BARIK ANSARI JEE			
16-Feb-24	To	Cash	Payment	4137	10000.00
		PAID TO AZAD JEE			
16-Feb-24	To	Cash	Payment	4138	1600.00
		PAID TO CHAUKIA TAND(SARNASABHA PUJA)			
16-Feb-24	To	Cash	Payment	4139	3000.00
		PAID TO W/O LATE MANDEEP SINGH DHAMI			
17-Feb-24	To	Cash	Payment	4135	3000.00
		PAID TO DR ASHISH			
17-Feb-24	To	Cash	Payment	4136	1000.00
		PAID TO NANKU JEE(MONTHLY)			
19-Feb-24	To	Cash	Payment	4134	10000.00
		PAID TO MANOJ RAM (MONTHLY)			
20-Feb-24	To	Cash	Payment	4133	2100.00
		PAID TO RAJAN RAM FOR RAVIDAS JAYANTI			
23-Feb-24	To	Cash	Payment	4132	5100.00
		PAID TO MAHENDRA TURI (FOR DAUGHTER MARRAGE PURPOSE)			
1-Mar-24	To	SBI A/C (40531925741)	Payment	3616	15000.00
		CH.NO-755051 MALTI CONSTRUCTION			
4-Mar-24	To	Cash	Payment	4202	2100.00
		PAID TO JAGISH BEDIA FOR SHIVRATRI PUJA			
4-Mar-24	To	Cash	Payment	4203	15000.00
		PAID TO RAM NARAYAN (MUKHIYA JEE)			
4-Mar-24	To	Cash	Payment	4204	5100.00
		PAID TO SRO MANOHAR BARLA (MAHASHVRATRI PUJA			
5-Mar-24	To	Cash	Payment	4201	7500.00
		PAID TO BHADANINAGAR WELFARE			
6-Mar-24	To	Cash	Payment	4199	2000.00
		PAID TO KAMLESH BEDIYA CHOKIYA TAND			
6-Mar-24	To	Cash	Payment	4200	5100.00
		PAID TO BIRBAL TURI FOR DAUGHTER'S MARRIAGE			
7-Mar-24	To	Cash	Payment	4198	2100.00
		PAID TO SUNIL KUMAR FOR MAHASHIVRATRI PUJA CHIKOR			
8-Mar-24	To	Cash	Payment	4195	2500.00

23-Mar-24	To	Cash	Payment	4165	1500.00	
		<i>PAID TO SANJAY BEDIA FOR HOLI EXP.</i>				
23-Mar-24	To	Cash	Payment	4166	4500.00	
		<i>PAID TO MUDDIN JEE FOR MANAV ADHIKAR SANGATHAN</i>				
23-Mar-24	To	Cash	Payment	4167	1500.00	
		<i>PAID TO NARESH NAYAK FOR HOLI EXP.</i>				
23-Mar-24	To	Cash	Payment	4168	4000.00	
		<i>PAID TO J.E SAHAB FOR HOLI EXP.</i>				
23-Mar-24	To	Cash	Payment	4169	1000.00	
		<i>PAID TO NANKU JEE FOR HOLI EXP.</i>				
23-Mar-24	To	Cash	Payment	4170	1500.00	
		<i>PAID TO ALOK JEE FOR HOLI EXP.</i>				
23-Mar-24	To	Cash	Payment	4171	1500.00	
		<i>PAID TO DEEPAK JEEE FOR HOLI EXP.</i>				
23-Mar-24	To	Cash	Payment	4172	1000.00	
		<i>PAID TO SURENDER RAM FOR HOLI EXP.</i>				
24-Mar-24	To	Cash	Payment	4162	2000.00	
		<i>PAID TO SURENDRA KARMALI</i>				
24-Mar-24	To	Cash	Payment	4163	15000.00	
		<i>PAID TO KAMLESH JEE FOR HOLI EXP</i>				
27-Mar-24	To	Cash	Payment	4160	2500.00	
		<i>PAID TO ANUJ JEE FOR HOLI EXP.</i>				
					2717910.00	
	By	Closing Balance				2717910.00
					2717910.00	2717910.00

Annexure 6
Copy of CTE CTO



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-23783817/2025/2819

Dated : 2025-12-09

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 2025-09-15 of M/s. Sri Venkatesh Iron & Alloys (India) Ltd, Occupier Name :Kamal Kumar Agarwal 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:

The Content of:

1) Environmental Clearance issued by the MoEF&CC vide ref. no. J-11011/417/2017-IA.II(I), dated 24.01.2020 with its compliance report.

2) CTO issued by the Board vide Ref No. JSPCB/HO/RNC/CTO-17469793/2023/2121 Dated : 2023-12-27, Production of Sponge Iron - 4x100 TPD, Valid till 31.12.2025 with its compliance report.

3) NOC issued by Ref. No. N – 432, dated 16/07/2005.

4) Hazardous Waste Authorization granted by the Board vide Ref. No. JSPCB/HO/RNC/HWM-11216364/2023/8 dated 23/01/2023.

5) IR received from RO, Hazaribagh vide his Ref.no-1817 dated 16.10.2025.

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 -Mahuatola, Lapanga , P S -Lapanga , District -RAMGARH , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To
Before Expansion	888, 895, Khata No.-34, 47	14.37 Acres	41.00 Crore	Sponge Iron - 4x100 TPD	31/12/2027

(A) Specific Conditions:

1. That, the occupier shall keep the height of all stacks attached with air pollution control devices (APCD) up to 30 metre and shall maintain them.
2. That, the occupier shall comply fugitive emission standards of 2000 g/m³ at a distance of 10 metre from raw material crusher and product handling areas etc.
3. That, the occupier shall provide separate electricity meter and to totaliser for continuous recording of power consumption with all APCD. A logbook shall be maintained for recording of daily meter reading of electricity meter connected to all APCDs. The amperage of the ID fan shall also be recorded continuously. Non functioning of APCD shall be recorded in the same logbook along with reasons for non-operation of the Pollution Control Equipment.
4. That, the safety cap/emergency stack of rotary kiln type plant, which is generally installed above the after burner chamber (ABC) of feed end column should not be used for discharging untreated emission, bypassing the air pollution control device.
5. That, the occupier shall provide software controlled interlocking facility keeping in view of on-line emission and effluent monitoring system to ensure stoppage of feed conveyor, so that the feed to the kiln would stop automatically, if emergency/safety cap of the rotary kiln is opened or ESP is non - operational.
6. That, the occupier shall install mechanically operated fitted with water mixing (spiral pug mill) system for timely collection and removal of the flue dust generated in ESP or at any other pollution control devices for control of fugitive emission at the dust collection system.
7. That, the occupier shall maintain logbook for daily record of Char production and its usage. The record shall be made available to officials of JSPCB during inspection of the plant.
8. That, the occupier shall make the approach road and roads within premises of the plant and work areas asphalted or concreted.
9. That, the occupier shall construct the shed for keeping Iron Ore properly and ensure Crushing and screening operation in shaded enclosed area.
10. That, the occupier shall make water sprinkling arrangement in areas around crushing and screening units, raw material heaps at unloading points, heavy vehicle movement areas, roads and waste dump sites etc.
11. That, the occupier shall have its conveyor belt for transporting the materials fully covered all along its way and transfer points of conveyor belt should also be covered and suction system should be connected to de-dusting equipment.
12. That, the occupier shall make extensive plantation of three tier all along the roads and boundary wall of the industry.

13. That, the occupier shall in no case dispose of the solid waste including fly ash and bottom ash on any agricultural land and keep it within the plant premises.
14. That, the occupier shall make arrangement for operation of the plant in such a way that all pollution control devices shall start before start of conveyor belt/plant operation and similarly all pollution control devices shall be put off only after stopping the operation of the plant.
15. That, the occupier shall maintain and operate the on-line emission monitoring system uninterruptedly.
16. That, the occupier shall maintain and keep operational the Closed Circuit Television (CCTV) camera for monitoring of operational status of APCDs for observations of the same as and when required.
17. That, the occupier shall submit compliance of conditions of CTO on half yearly basis to the Board.
18. That, the occupier shall maintain zero trade effluent discharge and shall maintain web cam at each outlets of the drain.
19. That, the occupier shall construct garland drain, toe wall and settling tanks for storage of solid wastes and raw materials separately and de-siltation of settling tanks shall be done regularly.
20. That, the occupier shall submit compliance of EC conditions on six monthly basis to the Board and other related organizations.
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. This consent is issued with the approval of the competent authority as per board's office order no B-43 dated 11/07/2023.
23. That, this CTO supersedes the CTO granted earlier vide Ref No. JSPCB/HO/RNC/CTO-17469793/2023/2121 Dated : 2023-12-27 valid up to 31.12.2025.
24. That, the occupier shall complete all the procedures for installation of AFBC / CFBC boiler within consent period else action may be initiated as per applicable rules.

(B) 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 (SO ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	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.	Nickel (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.**

- (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/ Nm ³

- (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.
- (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

[Ashutosh]
Divisional Head,
Hazaribagh Division

Memo No. : JSPCB/HO/RNC/CTO-
23783817/2025/2819

Dated : 2025-12-09

Copy to: M/s Sri Venkatesh Iron & Alloys (India) Ltd. At- Lapanga, PO-Bhadani Nagar, DistRamgarh, Jharkhand/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Deputy Commissioner, Ramgarh/ DFO, Ramgarh/ DMO, Ramgarh/ R O,JSPCB, Hazaribagh for information & ensuring compliance of the above.

[Ashutosh]
Divisional Head,
Hazaribagh Division



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-17469793/2023/2121

Dated : 2023-12-27

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 2023-10-16 of M/s. Sri Venkatesh Iron & Alloys (India) Ltd, Occupier Name :Kamal Kumar Agarwal 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-11011/417/2017-IA.II(I), dated 24.01.2020.

(b) The content of Terms of Reference (ToR), vide F. NO. J-11011/417/2017-IA-II(I), dated 19.09.2017.

(c) The content of Consent to Establish (CTE),Ref. No. N-432 dated 16.07.2005 by JSPCB, Ranchi.

(d) The contents of Consent to Operate(CTO),Ref. No. JSPCB/HO/RNC/CTO-11217031/2021/1630 dated 24.12.2021 by JSPCB, Ranchi for the production of Sponge Iron - 4x100 TPD, valid for the period upto 31.12.2023.

(e) The content of Consent to Establish (CTE) granted for expansion project vide ref. no. JSPCB/HO/RNC/CTE-16484600/2023/601, dated 21.10.2023 for the production of Billet - 245 TPD (2X12T Induction Furnace), Billet Caster - 240 TPD , Power (WHRB) 8 MW, Power (AFBC) - 8 MW, Briquet - 26 TPD.

(d) The content of Inspection Report (I/R), vide ref no. 1482 dated 17.11.2023 of Regional Office-Cumaboratory, JSPC Board, Hazaribagh.

(e) The content of the self certificate/undertaking regarding procurement of raw material from valid sources.

(f) The content of copy of Hazardous Waste Authorization granted by the Board vide Ref. No. JSPCB/HO/RNC/HWM-11216364/2023/8, dated 23.01.2023 valid upto 30.09.2026.

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 -Mahuatola, Lapanga , P S -Lapanga , District -RAMGARH , as follows:

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

Before Expansion	888, 895, Khata No.-34, 47	14.37 Acres	41.00 Crore	Sponge Iron - 4x100 TPD	31/12/2025
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(A) Specific Conditions:

1. That, the occupier shall keep the height of all stacks attached with air pollution control devices (APCD) up to 30 metre and shall maintain them.
2. That, the occupier shall comply fugitive emission standards of 2000 g/m³ at a distance of 10 metre from raw material crusher and product handling areas etc.
3. That, the occupier shall provide separate electricity meter and to totaliser for continuous recording of power consumption with all APCD. A logbook shall be maintained for recording of daily meter reading of electricity meter connected to all APCDs. The amperage of the ID fan shall also be recorded continuously. Non functioning of APCD shall be recorded in the same logbook along with reasons for non-operation of the Pollution Control Equipment.
4. That, the safety cap/emergency stack of rotary kiln type plant, which is generally installed above the after burner chamber (ABC) of feed end column should not be used for discharging untreated emission, bypassing the air pollution control device.
5. That, the occupier shall provide software controlled interlocking facility keeping in view of on-line emission and effluent monitoring system to ensure stoppage of feed conveyor, so that the feed to the kiln would stop automatically, if emergency/safety cap of the rotary kiln is opened or ESP is non - operational.
6. That, the occupier shall install mechanically operated fitted with water mixing (spiral pug mill) system for timely collection and removal of the flue dust generated in ESP or at any other pollution control devices for control of fugitive emission at the dust collection system.
7. That, the occupier shall maintain logbook for daily record of Char production and its usage. The record shall be made available to officials of JSPCB during inspection of the plant.
8. That, the occupier shall make the approach road and roads within premises of the plant and work areas asphalted or concreted.
9. That, the occupier shall construct the shed for keeping Iron Ore properly and ensure Crushing and screening operation in shaded enclosed area.
10. That, the occupier shall make water sprinkling arrangement in areas around crushing and screening units, raw material heaps at unloading points, heavy vehicle movement areas, roads and waste dump sites etc.

11. That, the occupier shall have its conveyor belt for transporting the materials fully covered all along its way and transfer points of conveyor belt should also be covered and suction system should be connected to de-dusting equipment.

12. That, the occupier shall make extensive plantation of three tier all along the roads and boundary wall of the industry.

13. That, the occupier shall in no case dispose of the solid waste including fly ash and bottom ash on any agricultural land and keep it within the plant premises.

14. That, the occupier shall make arrangement for operation of the plant in such a way that all pollution control devices shall start before start of conveyor belt/plant operation and similarly all pollution control devices shall be put off only after stopping the operation of the plant.

15. That, the occupier shall maintain and operate the on-line emission monitoring system uninterruptedly.

16. That, the occupier shall maintain and keep operational the Closed Circuit Television (CCTV) camera for monitoring of operational status of APCDs for observations of the same as and when required.

17. That, the occupier shall submit compliance of conditions of CTO on half yearly basis to the Board.

18. That, the occupier shall maintain zero trade effluent discharge and shall maintain web cam at each outlets of the drain.

19. That, the occupier shall construct garland drain, toe wall and settling tanks for storage of solid wastes and raw materials separately and de-siltation of settling tanks shall be done regularly.

20. That, the occupier shall submit compliance of EC conditions on six monthly basis to the Board and other related organizations.

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, the occupier shall complete all the procedures for installation of AFBC / CFBC boiler within consent period else Environmental Compensation may be imposed upon the Unit from the date of issuance of this CTO and legal action may be initiated.

23. That, this CTO supersedes the CTO granted earlier vide ref. no. JSPCB/HO/RNC/CTO-

11217031/2021/1630, dated 24.12.2021.

(B) 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 (SO ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	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.	Nickel (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.**

- (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/Nm ³

- (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.
- (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

[Y. K. Das]

Member Secretary

Memo No. : JSPCB/HO/RNC/CTO-
17469793/2023/2121

Dated : 2023-12-27

Copy to: M/s Sri Venkatesh Iron & Alloys (India) Ltd. At- Lapanga, PO-Bhadani Nagar, DistRamgarh, Jharkhand/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Deputy Commissioner, Ramgarh/ DFO, Ramgarh/ DMO, Ramgarh/ R O,JSPCB, Hazaribagh for information & ensuring compliance of the above.

[Y. K. Das]

Member Secretary

Annexure 7
Copy of Hazardous waste authorization



FORM 2
[See rule 6(2)]

FORM FOR GRANT OR RENEWAL OF AUTHORIZATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. No. of authorization and date of issue: JSPCB/HO/RNC/HWM-11216364/2023/8 23/01/2023
2. Reference of application(No. and date): 11216364 28/12/2021
3. M/s. Sri Venkatesh Iron & Alloys (India) Ltd of Kamal Kumar Agarwal is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at At- Lapanga, PO- Bhadani Nagar, Ramgarh

Details of Authorisation

Sl.No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity(ton/annum)
1	Schedule-I; Used/Spent Oil- 0.50 KL/Y	Kept in PVC drums under shed	0.5 KLY

(1) The authorisation shall be valid for a period of Date of issue to 30.09.2026 years

(2) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B Specific conditions:

1. That, the occupier shall comply the provisions of the Environment Protection Act, and Rules.
2. That, the authorization shall be produces at the time of inspection.
3. That, the occupier authorized shall not rent/sell or otherwise transport the H/W without obtaining prior permission of the Board.
4. That, any un-authorization change shall constitute a breach the authorization.
5. That, it is the duty of authorized person to take prior permission of the Board to close down the facility.
6. That, the renewal of authorization shall be made as laid down in the rules.
7. That, any other condition for compliance as per the guidelines issued by the MoEF for CPCB.
8. That, the occupier shall submit annual return for the financial year before 30th June, every year.
9. That, the occupier shall comply all the conditions.
10. That, the occupier shall submit quarterly and annual information on hazardous wastes consumed its source, products generated or resources conserved (Specifying the details like type and quantity of resources conserved) to the concerned SPCB.
11. That, the occupier shall maintain a Pass Book issued by concerned SPCB wherein the following details of each procurement of SPL shall be entered.
 - Address of sender
 - Date of dispatch
 - Quantity procured
 - Seal & signature of the sender
 - Date of receipt on the premises
12. That, the occupier shall have a log book maintained with information on source and date of procurement of SPL, Quantity, date wise utilization of the same, Hazardous Waste generation and its disposal, etc.
13. That, the occupier shall maintain record of Hazardous Waste utilized, Hazardous Waste generated and disposal as per form-3 and shall file annual returns in form-4 as per Rule 20 (1) and (2) of the Hazardous and other waste (Management & Transboundary Movement) Rules, 2016, the concerned SPCB.
14. That, the occupier shall complied all direction given by standard operating and procedure.

Memo No:JSPCB/HO/RNC/HWM-
11216364/2023/8
Date: 23/01/2023

Y K Das
Member Secretary

Copy To:

**Regional Officer, Regional Office, JSPCB, Hazaribagh/ Deputy Commissioner, Ramgarh for
information and necessary action.**

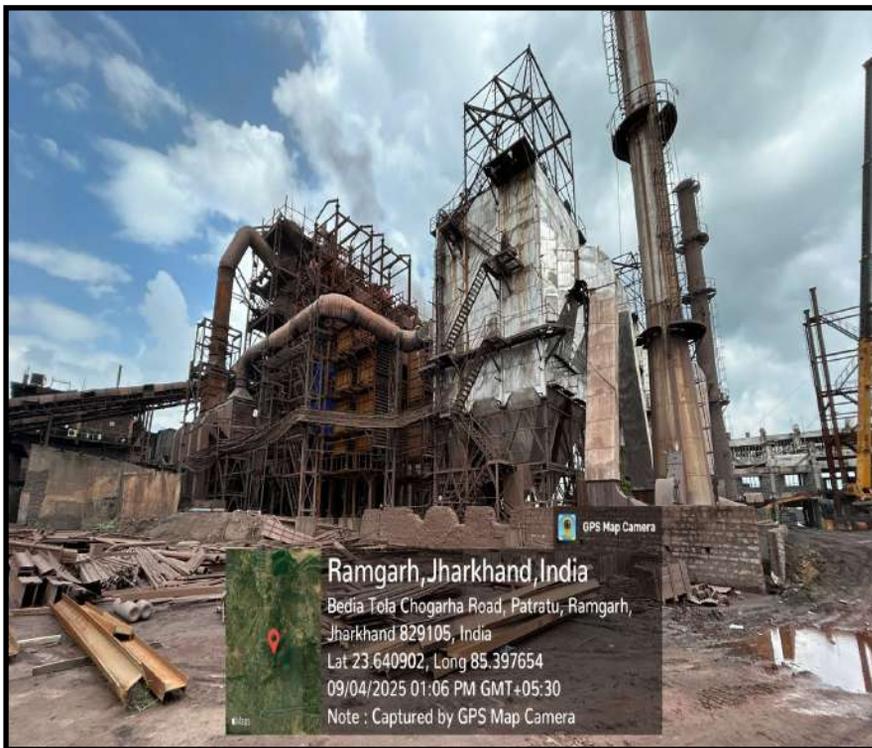
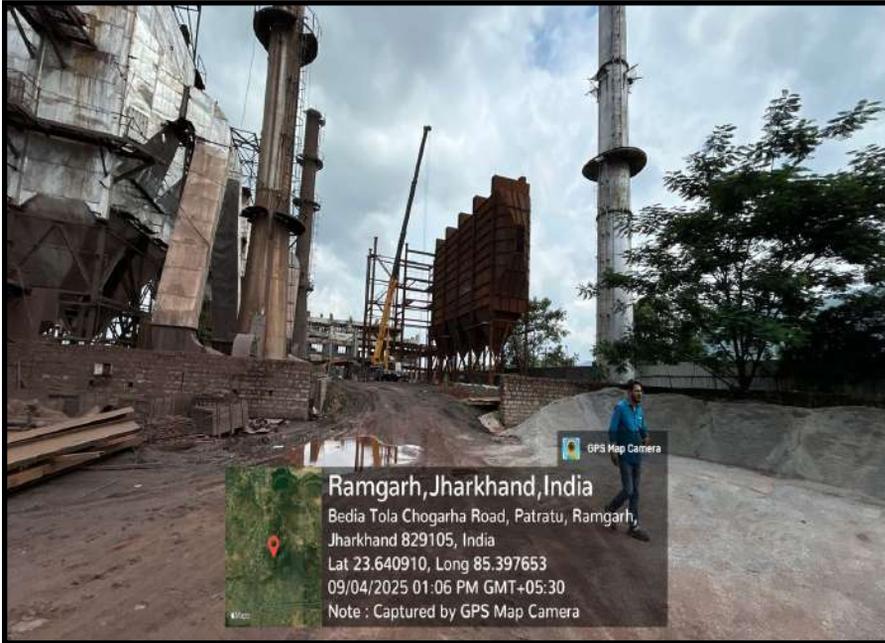
Y K Das
Member Secretary

Annexure 8
Photograph of OCEMS



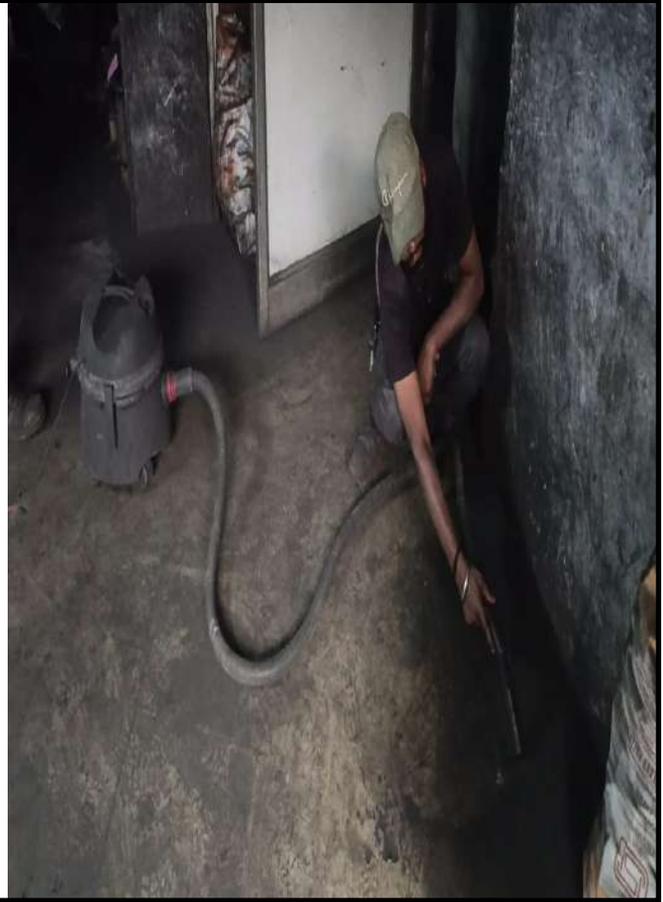
Photograph of OCEMS

Annexure 9
Appropriate Air Pollution Control (APC)

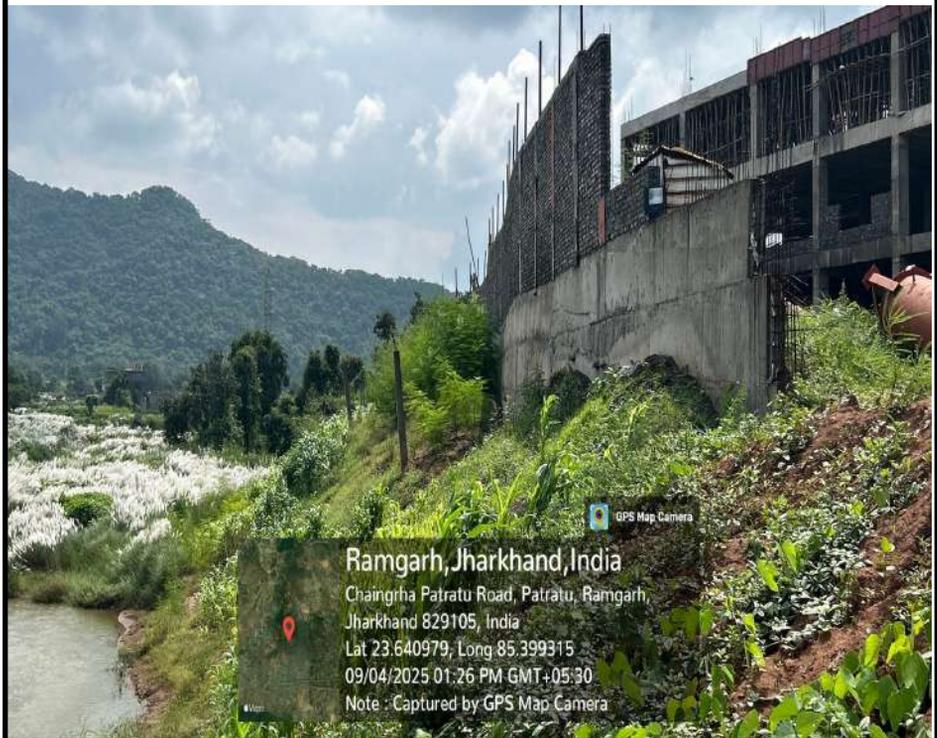


Air Pollution Control Device

Annexure 10
Photographs of vaccum cleaner and
mechanical sweeping machine



Annexure 11
Photographs showing LED lights



Annexure 12
GHG Inventory Report

CARBON FOOTPRINT AND DECARBONIZATION STUDY REPORT OF

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Project Proponents

M/s Sri Venkatesh Iron & Alloys (India) Limited

Village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand



ENVIRONMENTAL CONSULTANT



Rian Enviro Private Limited (REPL)

(QCI/ NABET Certificate No: NABET/EIA/2124/SA 0197)

HO: - Shyam Residency, Ground Floor, Near Kalyan Jeweller's, RPS More, Main Bailey Road,
Danapur, Patna- 801503

Ranchi Office: GF, Pacific Tower, Lower Shukla Colony, Hinoo,
Ranchi, Jharkhand- 834 002; Ph- +91 -9716173106

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

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Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

1 INTRODUCTION

1.1 Background

United Nations Intergovernmental Panel on Climate Change (IPCC) makes it clear once again that human are responsible for climate change. “Human activities, principally through emissions of greenhouse gases, have unequivocally caused global warming, with global surface temperature reaching 1.1°C above 1850–1900 in 2011–2020,” notes the report.

According to the panel, the Earth’s surface temperature has increased faster since 1970 than in any other 50-year period over at least the last 2000 years, due to rising greenhouse gas emissions from fossil fuels, land use and patterns of consumption and production.

According to the IPCC, in order to reach net zero CO₂ or GHG emissions, we need to quickly and deeply reduce our emissions. If the global warming results in temperature increase beyond 1.5°C (2.7°F), further energy intensive development will be extremely difficult. To limit global warming to 1.5°C, we would need to cut methane emissions by 34% between 2019 and 2030.

Iron and Steel production plays a crucial role in building a sustainable global economy, but its manufacturing is the fifth largest contributor to global GHG emissions. De-carbonization of the metallurgy sector is therefore a global concern and a big challenge. This industry is under tremendous pressure to improve upon its energy intensity to reduce GHG emissions and to further utilize CO₂ captured for useful purposes or go for long term sequestration to fix it in nature's cycle.

This report describes the methods for GHG inventorisation for the expansion in the existing metallurgy plant of Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand, and the measures proposed to be adopted to mitigate GHG emissions from the expansion project along with the carbon capture, storage and CO₂ sequestration strategies.

1.2 Carbon Footprint

A carbon footprint refers to the total amount of greenhouse gases, mainly carbon dioxide (CO₂), released into the atmosphere as a result of human activities. These activities include everyday actions such as driving a car, using electricity, manufacturing goods, and even the food we eat.

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

The carbon footprint is usually measured in carbon dioxide equivalents (CO₂e) to account for the impact of different greenhouse gases. It serves as an important indicator of how much individuals, organizations, or countries contribute to climate change.

Reducing our carbon footprint is essential for protecting the environment, slowing global warming, and ensuring a sustainable future. Simple steps like conserving energy, reducing waste, and choosing eco-friendly transportation can make a big difference.

On the road to net zero, one of the main ways that companies' greenhouse gas emissions are measured and assessed is to look at them within three different 'scopes'. (reference: nationalgrid.com).

Scope 1 emissions

Scope 1 covers emissions from sources that an organisation owns or controls directly – for example from burning fuel in our fleet of vehicles (if they're not electrically-powered).

Scope 2 emissions

Scope 2 are emissions that a company causes indirectly and come from where the energy it purchases and uses is produced. For example, the emissions caused when generating the electricity that we use in our buildings would fall into this category.

Scope 3 emissions

Scope 3 encompasses emissions that are not produced by the company itself and are not the result of activities from assets owned or controlled by them, but by those that it's indirectly responsible for up and down its value chain. An example of this is when we buy, use and dispose of products from suppliers. Scope 3 emissions include all sources not within the scope 1 and 2 boundaries.

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

What are Scope 1, 2 and 3 carbon emissions?

The three scopes are a way of categorising the different types of greenhouse gas emissions created by a company, its suppliers and its customers.

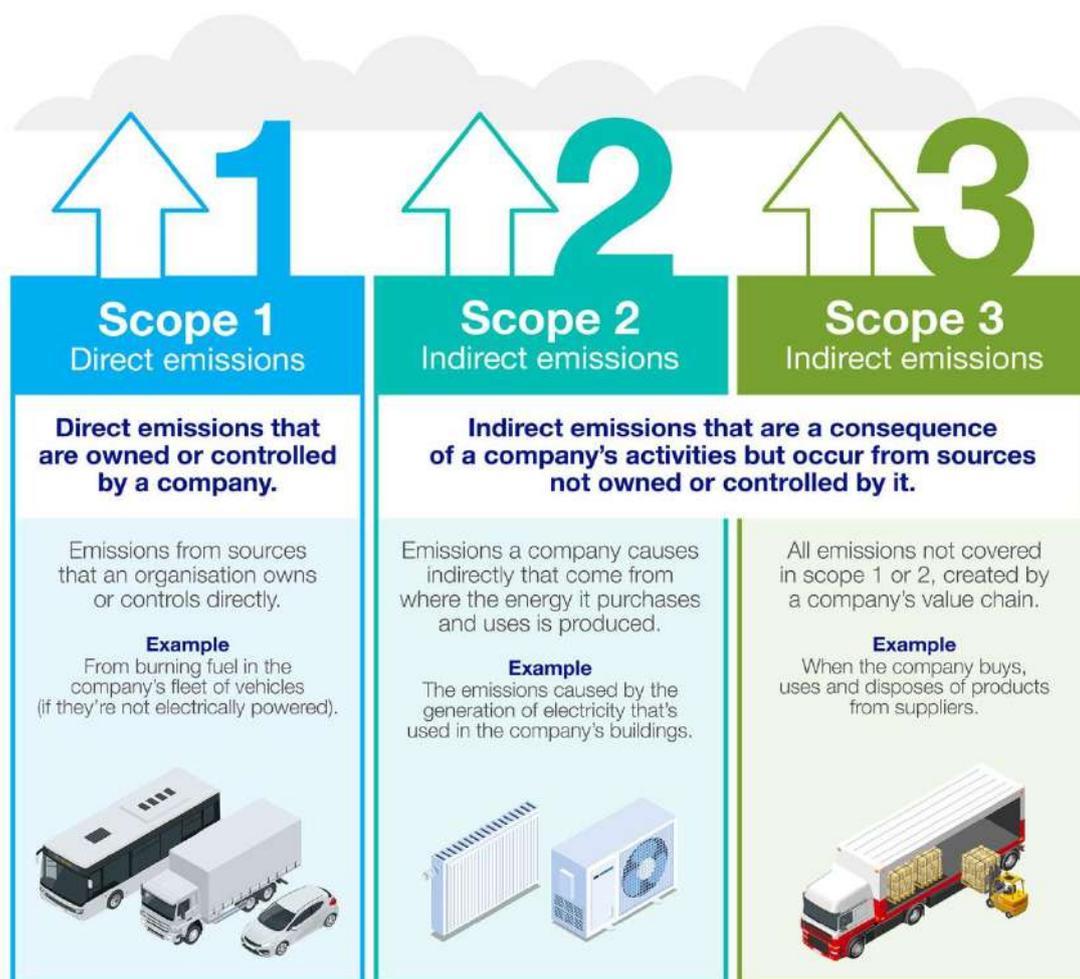


Figure 1-1: The Three Scopes of Emission

(reference:<https://www.nationalgrid.com/stories/energy-explained/what-are-scope-1-2-3-carbon-emissions>)

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

2 PROJECT BACKGROUND

2.1 Project Introduction

M/s Sri Venkatesh Iron & Alloys (India) Limited is a public limited company engaged in the production of 120,000 TPA Sponge Iron through a 4x100 TPD DRI Kiln in its Metallurgy plant located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand. Additionally, the company is planning to change the technology for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron by replacing the approved Induction Furnaces with two Submerged Arc Furnaces (SAF) rated at 12x2 MVA each.

The initial project area, as specified in the Environmental Clearance (EC), was 5.82 hectares. The company now intends to expand the project by an additional 5.614 hectares, bringing the total area to 11.434 Ha. This expansion aligns with the project's growth plans and aims to establish a green belt covering 41.24% of the total plot area. The proposed expansion consists of two sections—one designated 8.239 Ha for industrial operations and green belt development both, while the remaining portion 3.194 Ha will be exclusively allocated for the green belt development.

2.2 Proposed Expansion

The management proposes to increase sponge iron production from 1,20,000 TPA to 1,80,000 TPA by installing an additional 2x100 TPD DRI unit along with a 4 MW CPP (WHRB).

Additionally, the company plans to modify the production technology for Fe-Si, Fe-Mn, Si-Mn, and Pig Iron by replacing the previously approved Induction Furnaces with two Submerged Arc Furnaces (SAF) of 12x2 MVA each. This transition will facilitate an annual production capacity of 64,000 TPA, compared to the originally approved 72,000 TPA via Induction Furnaces.

Furthermore, the company has **decided to remove the 26 TPD briquette plant** from the project plan. All other components of the project, including the **existing DRI plant and CPP**, will remain as approved under the current **Environmental Clearance (EC)**.

Table 2-1: Project Highlights

Name of the Company	M/S Sri Venkatesh Iron & Alloys (India) Ltd
---------------------	---

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Date of incorporation	17 th Day of January, 2005
Constitution	Limited Company
CIN Number	U27100WB2005PLC139430
PAN Number	AAICS6981M
Registered Office	South City Garden, Tower-6, Flat No.4A, Tollygunge Fari (Mahavirtolla), Kolkata-700053 (WB)
Promoters/ Directors	Mr. Pradip Kumar Kedia (Director) Mr. Kamal Kumar Agarwal (Managing Director) Mr. Ankit Kedia (Additional Director)
Project Location	Project site is situated at Village: Lapanga, P.O. Bhadaninagar, District: Ramgarh, Jharkhand.
Product	Sponge Iron, Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron and Power Generation

Sl no.	Existing as per previous EC	Proposed expansion	Total	Remarks
Sponge Iron Unit				
	4x100 T DRI Kiln. 1,20,000 TPA	2x100 DRI Kiln. 60,000	1,80 ,000 TPA	Production increase by 50%
Proposed Submerged Electric Arc Furnace- Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron production in a 12 MVA*2 configuration (in two phases),				
		SAF- 12 MVA*2 64,000 TPA	64,000 TPA	
Captive Power Plant- 16 MW CPP based on 4x9 TPH WHRB & 50 TPH AFBC,				
	16 MW (8MW WHRB+ 8MW AFBC)	20 MW (12 MW WHRB+ 8 MW AFBC)	20 MW (12 MW WHRB + 8 MW AFBC)	Addition of 4MW WHRB
Briquette Plant- 26 TPD				
	26 TPD	-	-	Dropped
Land area details				

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Total Land Area 11.434 ha. Proposed approximate use of Land:

Particulars	Existing (Ha)	Area after proposed expansion Total (Ha)	Area after proposed expansion Total (Sqm)	% After Expansion	
Total Plot Area	5.82	11.43	114323.694	100	
Green Belt	1.78	4.714709	47147.09 41.	41.24855	
Road	0.51	0.92	9200	8.048994	
Iron Ore Yard	2.55	0.1678978	1678.978	1.468922	
Coal Yard		0.07	700	0.612423	
Coal Shed		0.12619	1261.9	1.104024	
S A F Unit		0.965622	9656.22	8.448136	
DRI + Klins & CPP		3.916899	39168.99	34.26858	
Shed		0.197888	1978.88	1.731304	
Crusher		0.066246	662.46	0.57958	
Rain Water Harvesting		0	0.029511	295.11	0.258189
UG Water Tank		0	0.0246	246	0.215223
Office Weigh and Toilet	0.06	0.052004	520.04	0.454978	
Open Area	0.15	0.180802	1808.02	1.58182	

Sector/ Industry	3(a)Metallurgical industries (ferrous & nonferrous)			
Estimated Project Cost	Cost	Existing (Rs in Cr)	Proposed (Rs in Cr)	Total (Rs in Cr)
	Total	132.49	47.85	180.34

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Project Implementation Period	36 Months from getting NOC, SPCB						
Power Requirement	Unit	Existing (MW)	Proposed (MW)	Total (MW)			
	DRI Sponge	1	0.5	1.5			
	Submerged Electric Arc Furnace	0	19.2	19.2			
	CPP Auxiliary	1.15	0	1.15			
	TOTAL	14.15	19.7	21.85			
	Power requirement will be met from both in house CPP as well as external supply.						
Water Requirement	Total water requirement for complete unit after expansion shall be 2,444 m ³ one time after that per day water requirement is 717 KLD						
	Unit	Capacity as Per EC	Proposed Capacity	Existing m³/day	Proposed m³/day	Final after expansion m³	Make-up water m³/day
	Sponge Iron Plant	4x100 TPD	2x100 TPD	80	40	120	100
	Power Plant	8MW (WHRB) 8MW (AFBC)	8 MW (AFBC) 12MW (WHRB)	--	1450	1450	520
	Sub Merged Electric Arc	(2X12 T) IF	Technology changed (2X12 MVA	--	864	864	87

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

	Furnace		SAF USED Now)				
	Domestic	300 Manpower	--	10	--	10	10
	Total					2,444	717
Manpower Requirement	<p>The total manpower requirement for the project is 300 personnel, employed as follows:</p> <p>Sponge Iron Plant: 150 personnel</p> <p>Power Plant: 54 personnel</p> <p>Submerged Electric Arc Furnace and Other Facilities: 96 personnel</p>						

Table 2-2 Comparative statement of the project

Sr. No.	Description	Details as per earlier EC	Proposed Modification/ Expansion	Remark	
	Plot Area	5.82 Ha	11.434 Ha	Green belt will be developed in 43948.86 sqm area which is approx. 41.24 % of the total plant area.	
	Sl no.	Existing as per previous EC	Proposed expansion	Total	Remarks
	Sponge iron unit				
		4x100 T DRI Kiln. 1,20,000 TPA	2x100 DRI Kiln. 60,000	1,80,000 TPA	Production increase by 50%
	Proposed Submerged Electric Arc Furnace- Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron production in a 12 MVA*2 configuration (in two phases),				

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

	Not in previous EC	SAF (sub merged arc furnace 12 MVA*2 64,000 TPA	64,000 TPA	
	Captive Power Plant- 20 MW CPP based on 4x9 TPH WHRB & 50 TPH AFBC,			
	16 MW (8MW WHRB + 8 MW AFBC)	20 MW (12 MW WHRB + 8 MW AFBC)	20 MW	4 MW Additional (WHRB)

Raw Material Details

Sl no.	Existing as per previous EC	Proposed expansion	Total	Remarks
Sponge iron unit				
	Iron Ore - 1,92,000 TPA	Iron Ore – 96000 TPA	Iron Ore – 288,000TPA	
	Non-Coking Coal- 1,56,000 TPA	Non-Coking Coal- 78000 TPA	Non-Coking Coal- 234,000TPA	
	Dolomite/Limestone- 3,600 TPA	Dolomite/Limestone- 1800 TPA	Dolomite/Limestone- 5,400TPA	
Proposed Submerged Electric Arc Furnace- Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron production in a 12 MVA*2 configuration (in two phases), 64,000TPA				
		Manganese Ore - 92160 TPA		
		Quarts- 7300 TPA		
		Steam coal- 25600 TPA		
		Peral Coke- 19200 TPA		
		Dolomite-12800 TPA		
		Electrode Paste-1110 TPA		
		Lime Stone- 19200 TPA		
		Charcoal 25900 TPA		
		Mill Scale- 39000		

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

		Iron Ore- 70400		
Captive Power Plant- 20 MW CPP based on 4x9 TPH WHRB & 50 TPH AFBC,				
	AFBC Boiler – 8 MW	Char (CV – 2000 kcal/kg) - 38400 TPA		No Change
		Coal (CV – 3600 kcal/kg)- 57600 TPA		
	WHRB –12MW	DRIGas- 6 x 25000 Nm ³ /hr		
	Total Water Requirement m³/day	90	2354	2,444
	Total Waste Water Generation Domestic	5.0KLD	8.0 KLD	-
	Total Power Requirement	14.15 MW	21.85 MW	Remains same 20.85 MW out of which 20 MW will be obtained from CPP and remaining balance power of 1.85 MW will be sourced from the Power Grid
	Solid Waste Generation	Details as per earlier EC		Proposed Modification/Expansion
		Sponge Iron Plant: Dolo-Char- 30,000		Sponge Iron Plant Dolo-Char 57909 TPA, Wet scrapper sludge 5280 TPA Accretion 13182TPA
		Power Plant		Power Plant

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

		Fly-ash from WHRBs- 21,000 Fly-ash from AFBC Boilers- 20,400 Bottom Ash- 5,100 Coal Fines from Coal handling area- 4,000		Fly-ash from WHRBs- 21,000 Fly-ash from AFBC Boilers- 20,400 Bottom Ash- 5,100 Coal Fines from Coal handling area- 4,000
		Submerged Electric Arc Furnace Slag 80254.8 TPA Dust 326.964 TPA		
		-	Domestic 13,500kg per Annum	
	Manpower Requirement	250	300	-
	Cost of the project	132.49	180.34	

2.3 Current status of the project

Table 2-3: Production detail Status as per EC & CTO

Particulars	As per EC 24 th January 2020	As per CTO 27 th December 2023	Status
Sponge Iron Plant	Sponge Iron Unit 4x100 T DRI Kiln Production- 1,20,000 TPA	Sponge Iron Unit 4x100 T DRI Kiln Production- 1,20,000 TPA	Commissioned
Captive Power Plant	16 MW CPP based on 4x9 TPH WHRB & 50 TPH AFBC	Nil	Establishment under process
Submerged Electric Arc Furnace- Fe-Si/	Nil	Nil	Proposed

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Fe-Mn/ Si-Mn/ Pig Iron			
Briquette Plant	Briquette Plant 7850 TPA	Nil	Dropped
Steel Melting Shop	Steel Melting Shop (SMS)- 2x12 T induction Furnace & Billet Caster (2 Strand).	Nil	Not established

The Unit has obtained the Consent to Establish (CTE) for the expansion project under reference no. JSPCB/HO/RNC/CTE-16484600/2023/601, dated 21.10.2023. The approval covers the production of Billets (245 TPD) using two 12T Induction Furnaces, a Billet Caster (240 TPD), Power generation from WHRB (8 MW) and AFBC (8 MW), and Briquette production (26 TPD). However, the project has not been commissioned, and the CPP is currently under development.

2.4 Location (maps showing general location, specific location, project boundary & project site layout)

The site is located at Lapanga, P.O. – Bhadani Nagar, Dist- Ramgarh, in the state of Jharkhand and is about 2.50 km from Bhurkunda railway station and 0.60 Km from Ramgarh- Patratu- Ranchi State Highway. The central geographical coordinates of the project site are Latitude 23°38'29.24"N and Longitude 85°23'51.43"E and Above Mean Sea Level (AMSL) is 338 meters. The coordinate is given in Table below-

Table 2-4: Corner coordinates of the project sites

S.No.	Latitude	Longitude
1	23°38'33.79"N	85°23'57.86"E
2	23°38'32.60"N	85°23'57.72"E
3	23°38'33.13"N	85°23'58.64"E
4	23°38'31.37"N	85°23'58.43"E

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

5	23°38'30.54"N	85°23'59.41"E
6	23°38'30.95"N	85°24'0.03"E
7	23°38'30.47"N	85°24'1.49"E
8	23°38'29.65"N	85°24'0.88"E
9	23°38'28.89"N	85°24'1.55"E
10	23°38'26.96"N	85°24'1.36"E
11	23°38'27.48"N	85°23'56.46"E
12	23°38'26.13"N	85°23'56.03"E
13	23°38'25.49"N	85°23'55.67"E
14	23°38'26.85"N	85°23'50.26"E
15	23°38'26.51"N	85°23'49.40"E
16	23°38'25.17"N	85°23'48.94"E
17	23°38'25.59"N	85°23'45.70"E
18	23°38'29.14"N	85°23'46.59"E
19	23°38'30.08"N	85°23'46.33"E
20	23°38'31.60"N	85°23'46.82"E
21	23°38'32.97"N	85°23'48.40"E
22	23°38'34.42"N	85°23'50.89"E
23	23°38'33.05"N	85°23'52.41"E
24	23°38'32.42"N	85°23'55.02"E
25	23°38'32.79"N	85°23'56.14"E
26	23°38'33.57"N	85°23'57.03"E
27	23°38'22.23"N	85°23'48.08"E
28	23°38'20.70"N	85°23'48.31"E
29	23°38'19.31"N	85°23'44.16"E
30	23°38'18.94"N	85°23'43.27"E
31	23°38'17.53"N	85°23'39.25"E
32	23°38'16.95"N	85°23'37.01"E
33	23°38'20.65"N	85°23'36.19"E

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

34	23°38'21.10"N	85°23'38.45"E
35	23°38'20.89"N	85°23'40.63"E
36	23°38'21.76"N	85°23'40.80"E
37	23°38'21.86"N	85°23'42.29"E
38	23°38'22.15"N	85°23'44.76"E
39	23°38'21.62"N	85°23'45.16"E
40	23°38'22.07"N	85°23'45.53"E

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

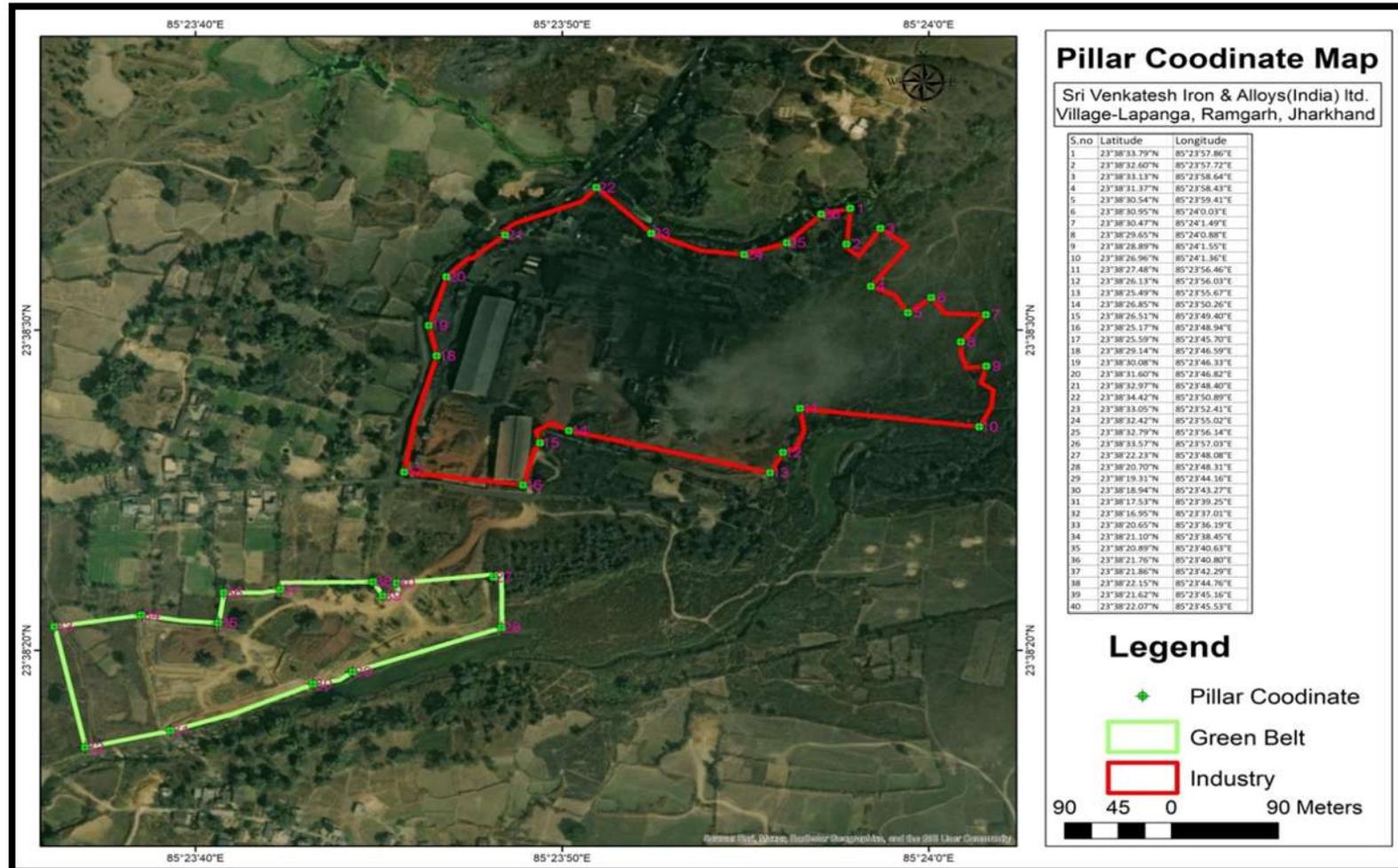


Figure 2-1 Pillar Coordinate Map

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

3 METHODOLOGY

3.1 Carbon Emissions

Calculating a carbon footprint involves estimating the total greenhouse gas (GHG) emissions produced directly and indirectly by an individual, organization, product, or activity. The process typically follows these key steps:

1. **Define the Scope:** Carbon footprints are usually categorized into three scopes based on the Greenhouse Gas Protocol:

- Scope 1: Direct emissions from owned or controlled sources (e.g., fuel combustion, company vehicles).
- Scope 2: Indirect emissions from the generation of purchased electricity, steam, heating, and cooling.
- Scope 3: All other indirect emissions in the value chain (e.g., business travel, waste disposal, product lifecycle).

2. Data Collection

- Gather activity data relevant to each emission source. This may include:
- Fuel consumption (liters or kWh)
- Electricity use (kWh)
- Travel distances (km or miles by mode of transport)
- Material and product use
- Waste generation

3. Use of Emission Factors

Apply emission factors to convert activity data into carbon emissions. Emission factors represent the average emissions per unit of activity (e.g., kg CO₂e per kWh of electricity or per liter of gasoline). These are often provided by:

- Intergovernmental Panel on Climate Change (IPCC)
- Environmental Protection Agencies

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

- Local utility companies

4. Formula

Carbon Emissions = Activity Data × Emission Factor

5. Calculate Total Emissions

Add up emissions from all sources to get the total carbon footprint, usually expressed in tonnes of CO₂ equivalent (tCO₂e).

3.2 Carbon Neutrality

Carbon neutrality means having a balance between emitting carbon and absorbing carbon from the atmosphere in carbon sinks. Removing carbon oxide from the atmosphere and then storing it is known as carbon sequestration. In order to achieve net zero emissions, all worldwide greenhouse gas (GHG) emissions will have to be counterbalanced by carbon sequestration.

Scope 1 Emissions Reduction Tips (Generic)

- Switch to cleaner fuel than conventional fuel
- Reduce fuel consumption and improve operational energy efficiency.
- Capital investments in newer, more energy-efficient equipment/technologies to lower operating costs while also lowering emissions.
- Conducting energy audits at workplaces where electricity consumption is high in order to identify better alternatives and save money on electricity consumption.
- For carbon neutrality, Certified Emission Reductions (CER) may be considered to be purchased based on calculated footprint..

Scope 2 Emissions Reduction

- **Use of renewal energy:** It may be noted that when project proponents buy Renewable Energy credits (RECs), they enable more clean energy projects to supply power to the grid where they operate. Grid operators want to buy the cheapest power possible because energy from wind and solar plants is frequently less expensive than energy

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

from coal-burning plants. As a result, by purchasing RECs, project proponents shall effectively be reducing carbon emissions by reducing brown power intake from the grid.

- Use of Rainwater harvesting to avoid excess withdrawal of groundwater, hence reduction in power consumption of operating motor/pump.
- Use of Solar Power to avoid the carbon emission.

Scope 3 Emission Reduction

Optimization of employee commute, business travel, rail transport, local Outsourcing are some of the measures taken to reduce Scope 3 emissions. Vocal for local should be the business policy of Proponents.

3.3 Carbon Sequestration

Carbon sequestration is the capturing, removal and permanent storage of CO₂ from the earth's atmosphere. It's recognised as a key method for removing carbon from the earth's atmosphere.

This is important, as around 45% of the CO₂ emitted by humans remains in the atmosphere, which is a significant factor behind global warming. Carbon sequestration can prevent further emissions from contributing to the heating of the planet.

Carbon sequestration can happen in two basic forms: biologically or geologically. Also, while it's being encouraged artificially through various biological and geological methods, it also happens naturally in the environment on the biggest scale.

Trees/Plants sequester carbon through photosynthesis, absorbing atmospheric carbon dioxide (CO₂) and converting it into organic compounds like carbohydrates, which they then use for growth and energy storage. This process plays a crucial role in both natural carbon cycles and human efforts to mitigate climate change.

Greenbelt development in the premises of the factory is also one of the ways to sequester the carbon produced during the production process.

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

4 ESTIMATION OF CARBON FOOTPRINT

4.1 Scope-1 Carbon Emission

As discussed in the chapter-1, the Scope 1 covers emissions from sources that an organisation owns or controls directly – for example from burning fuel in our fleet of vehicles (if they're not electrically-powered).

In the proposed expansion of our plant the following sources are covered under scope-1 emissions:

- Emissions from the Vehicles of the Workers
- Onsite industrial process
- On-site energy generation
- On-site Steam Generation

4.1.1 Emissions from the Vehicles of the Workers

It is expected that after the proposed expansion, total 300 number of workers will be required to work in the premises. It is also proposed to have three shifts per day of 8 hr-work/shift. At present the company provides 2 van services for the workers commuted from a distant location. It is also proposed to provide One Bus service for logistic support to the workers. Since the most of the workers are local and usually travel with cycle or motor-cycle, the following parking provisions have been kept:

Cycle : 150 numbers

Bike : 50 numbers

Bus: 1 Number

Van: 2 Numbers

Cars: 10 Numbers (Of owners / visitors/ clients/ government officers)

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

The emission factor for the emission of CO₂ is adopted from the “Emission Factor development for Indian Vehicles by ARAI Pune 2008.”

Table 4-1: Emission from Workers Transportation (Scope-1)

S.No.	Source	Numbers	t-CO ₂ -e / Year	Assumptions
1	Bikes (Two-Wheelers) (Fuel-Petrol)	50	3.72	100-200 CC Engine; Max dist travel – 10 km/day
2	Cars (Four-Wheelers) (Fuel-Petrol)	10	15.16	~1000 CC Engine; Max dist travel – 40 km/day
3	Van (Four-Wheelers) (Fuel-Petrol)	2	3.03	~1000 CC Engine; Max dist travel – 40 km/day
4	Bus (Fuel-Diesel)	1	11.03	~6000 CC Engine; Max dist travel – 50 km/day
Total			32.94	

4.1.2 Emissions from the Onsite Industrial Process

Emissions from DRI Plant:

Proven technology of Coal based Rotary Kiln process- Solid reduction is being/will be used in the existing and proposed Sponge Iron kilns of 4x100T DRI Kiln. 1,20,000 TPA & 2x100 DRI Kiln. 60,000 TPA

During DRI manufacturing, Pellet / Iron ore will be continuously fed into the kiln along with coal which has dual role of fuel as well as reducing agent. Dolomite is added to scavenge the Sulphur from the coal.

Emissions from Submerged Electric Arc Furnace Plant:

Silico-Manganese are smelted at about 1350 – 1500°C Temperature. This is achieved by a Covered Submerged Electric Arc Furnace.

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Table 4-2: Production of Silico-Manganese Alloy Details

Unit	Configuration	Production Capacity (TPA)
Ferro Alloy Plant	SAFs 2 x 12 MVA	Fe-Mn - 64000
		Si-Mn – 64000
		Fe-Si – 64000
		Pig iron - 64000

The emission factors for the emission of CO₂ from DRI plant and SAF are adopted from the “Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories: Workbook, Volume-2 Industry 2.”

Table 4-3: Emission from Industrial Process

S.No.	Source	Reducing Agent / Product, TPA	Emission Factor, t CO ₂ / t of reducing agent or product	Emission, t-CO ₂ -e / Year
1	DRI Kiln-1-4-Existing (4x100) TPD	156000	2.5	390000
2	DRI Kiln-5-Proposed (1x100) TPD	39000	2.5	97500
3	DRI Kiln-6-Proposed (1x100) TPD	39000	2.5	97500
4	SAF-2X12 MVA- Fe-Si (Assumption 75% Si) OR	64000	3.9	249600
5	SAF-2X12 MVA - Fe-Mn OR	64000	1.6	102400
6	SAF-2X12 MVA -Si-Mn OR	64000	1.7	108800
7	SAF-2X12 MVA -Pig Iron OR	64000	0.08	5120
Total				834600.00

Note: The maximum production capacity is taken into consideration in SAF with most pollution creating process at a time. Since the emission factors for production of pig iron in

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

SAF is not available due to emerging technology, emissions for production of steel in SAF is taken into consideration (*reference: 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Metal Industry Emissions*)

4.1.3 Emissions from the Onsite Steam Generation (AFBC Boiler)

The boiler is envisaged to use the following solid fuels:

I. Char generated as solid waste in the existing Kilns. It has a calorific value ranging from 1800 to 2200 kcal/kg i.e. an average calorific value of 2000 kcal/kg. The annual generation of Char is 38400 TPA.

II. Coal with an average calorific value of 3600 kcal/kg. Annual requirement is expected to be about 57600TPA.

The emission factors for the emission of AFBC during coal burning is adopted from the “*Emission Factors for Greenhouse Gas Inventories by USEPA Last Modified: 15 September 2021.*” Sub-bituminous type of Coal is adopted for the calculation.

However, the emissions from Dolochar is calculated based on the stoichiometry of combustion process. Since the AFBC boiler requires fuel to be fluidized in fine particles form, it is assumed that complete combustion of fuel i.e. dolochar is happening in the AFBC Boiler. The C contain in the pulverized dolochar is assumed to be 29% based on the recent analysis report of dolochar.

Table 4-4: Emission from AFBC Boiler

S.No.	Fuel Type	Quantity, TPA	Emission factor, kg-Gas / kg of Fuel	Emission, t-CO ₂ -e / Year
1	Coal	57600	1676 kg CO ₂ /907 kg of Coal	106436.2
			190 g CH ₄ /907 kg of Coal	301.7
			28 g N ₂ O/ 907 kg of Coal	529.9
2	Dolochar	38400	28% C Content	40832.0
Total				148099.8
Note: GWP of CH₄ – 25; GWP of N₂O - 298				

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

4.1.4 Emissions from the Onsite Energy Generation (DG Sets)

The factory is having its power source of AFBC Boiler and WHRB to generate electricity. Still the DG sets are proposed for backup supply of admin buildings and common areas for lightening under the power failure issue. The diesel based DG sets are proposed for installation. It is assumed that the DG set will be operated at maximum two hour per day since these are used under power failure as a back-up supply means.

Table 4-5: Emissions from Power Generation

S.No.	Source	Numbers	t-CO ₂ -e / Year	Assumptions
1	DG Set 1x500 KVA- Existing (Diesel Based)	1	107.199	100-200 CC Engine; Max dist travel – 10 km/day
2	DG Set 1x500 KVA- Proposed (Diesel Based)	1	107.199	~1000 CC Engine; Max dist travel – 40 km/day
3	DG Set 1x250 KVA- Existing (Diesel Based)	1	53.599	~1000 CC Engine; Max dist travel – 40 km/day
Total			267.997	

4.2 Scope-2 Carbon Emission

The scope-2 carbon emission basically involves use of electricity purchased from the open market. Since the proposed unit will be producing 20 MW in-house by installation/upgrading the WHRB and AFBC Boiler, it will still be requiring additional 2 MW of the electricity (during peak operation) as the estimated electricity demand after the expansion is 21.85 MW. The emission rates are adopted from the *MoEF&CC document Low Carbon Lifestyles 2015*.

The water demand after the expansion of the project will be 717 KLD for make-up water requirement of Boiler (one time demand of 2444 KL is not considered); the emission of CO₂ to pump this water from Damodar river is estimated. The emission rates are adopted from the *MoEF&CC document Low Carbon Lifestyles 2015*.

The wastewater from the domestic activity is estimated to be around 8 KLD and the CO₂-e is estimated for the same based on COD and Nitrogen load. The emission rates from the

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

wastewater treatment is adopted from the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wastewater Treatment and Discharge.

The emissions from refrigeration are not considered as this is not proposed in the expansion of the plant.

Table 4-6: Emissions from Scope-2

S.No.	Source	Numbers	t-CO ₂ -e / Year	Assumptions
1	Electricity Consumption	2 MW	11808	24 Hr; 300 Days
2	Water Demand	717 KLD	363.519	24 Hr; 300 Days
3	Wastewater from STP	8 KLD	12 t CO ₂ -e /Year	GWP of N ₂ O = 298
			0.0019 t N ₂ O/Annum	
		Subtotal (WW)	12.56 t CO ₂ -e/Annum	
Total			12184.08	

4.3 Scope-3 Carbon Emission

Scope 3 encompasses emissions that are not produced by the company itself and are not the result of activities from assets owned or controlled by them, but by those that it's indirectly responsible for up and down its value chain. Here, the company/factory requires raw material, selling of finished product and disposal of waste.

The details of raw material are given below:

Table 4-7: Transportation of Raw Material Details

For Sponge Iron		Unit	Existing	Proposed	Total	Transportation Distance, KM
1	Iron Ore	TPA	192000	96000	288000	~350 Km
2	Non-Coking Coal	TPA	156000	78000	234000	~100 Km
3	Dolomite	TPA	3600	1800	5400	~700 Km
Sub-Total		TPA	351600	175800	527400	

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

For Alloys/Pig Iron in SAF						
1	Manganese Ore	TPA	0	92160	92160	~350 Km
2	Quartz	TPA	0	7300	7300	~200 Km
3	Steam Coal	TPA	0	25600	25600	~100 Km
4	Pearl Coke	TPA	0	19200	19200	~100 Km
5	Dolomite	TPA	0	12800	12800	~700 Km
6	Electrode Paste	TPA	0	1110	1110	~700 Km
7	Limestone	TPA	0	19200	19200	~300 Km
8	Charcoal	TPA	0	25900	25900	~100 Km
9	Mill Scale	TPA	0	39000	39000	~70 Km
10	Iron Ore	TPA	0	70400	70400	~350 Km
	Sub-Total	TPA	0	312670	312670	
11	Coal for AFBC Boiler	TPA	0	57600	57600	~100 KM

Table 4-8: Transportation of Product Material Details

S.No.	Particulars	Unit	Existing	Proposed	Total	Transportation Distance, KM
Production Details						
1	Sponge iron	TPA	120000	60000	180000	~ 500 km
2	Steel Melting	TPA	0	0	0	
3	SAF-Pig Iron/Alloys	TPA	0	64000	64000	~ 500 km
4	Briquette	TPA	0	0	0	
	Sub-Total	TPA	120000	124000	244000	

Table 4-9: Transportation of Waste Details

Waste Handling						
S.No.	Particulars	Unit	Existing	Proposed	Total	Transportation Distance, KM
1	Wet Scrapper Sludge	TPA	0	5280	5280	~100 KM
2	Accretion	TPA	0	13182	13182	
3	Fly Ash from WHRB	TPA	0	21000	21000	
4	Fly Ash from AFBC Boiler	TPA	0	20400	20400	
5	Bottom Ash	TPA	0	5100	5100	

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

6	Coal Fines	TPA	0	4000	4000
7	Slag	TPA	0	80254.8	80254.8
8	Dust	TPA	0	326.964	326.964
9	MSW	TPA	0	13.5	13.5
		TPA	0	149557	149557

While calculating the Scope-3 emissions, following assumptions have been made:

1. All the wastes are being transported to the waste disposal/recycle/reutilization unit, and emissions at the purchaser sites are not incorporated.
2. Similarly, emissions from processes involved with raw material (from scratch to a raw material) and selling of finished products are not incorporated except their transportation.
3. The average mileage of truck is considered to be 10 KM/L.
4. All the trucks of 40 Tonnes capacity is taken into consideration.
5. Emission factor of CO₂ from truck operation on the road is adopted from “Emission Factor development for Indian Vehicles by ARAI Pune 2008.

Table 4-10: Scope-3 Emission from Transportation of Finished Product

S.No.	Particulars	Emission, tCo ₂ /Annum	Remarks
Transportation of Raw Material (DRI)			
1	Sponge Iron	1722.12	Transportation by Truck of 40 Ton Capacity
2	Pig Iron / Alloy	612.31	
	Total	2334.43	

Table 4-11: Scope-3 Emission from Transportation of Raw Material and Wastes

S.No.	Particulars	Emission, tCo ₂ /Annum	Remarks
Transportation of Raw Material (DRI)			
1	Iron Ore	1921.2228	Transportation by Truck of 40 Ton
2	Non-Coking Coal	445.99815	

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

S.No.	Particulars	Emission, tCo2/Annum	Remarks
3	Limestone / Dolomite	72.045855	Capacity
4	Coal for AFBC Boiler	109.78416	
Transportation of Raw Material (Pig Iron)			
5	Manganese Ore	614.8	Transportation by Truck of 40 Ton Capacity
6	Quartz	27.8	
7	Steam coal	48.8	
8	Peral Coke	36.6	
9	Dolomite	170.8	
10	Lime Stone	256.2	
11	Electrode Paste	6.4	
12	Mill Scale	52.2	
13	Iron Ore	471.5	
14	Charcoal	49.5	
Transportation of Waste Material			
15	Wet Scrapper Sludge	10.1	Transportation by Truck of 40 Ton Capacity
16	Accretion	25.1	
17	Fly Ash from WHRB	40.0	
18	Fly Ash from AFBC Boiler	38.9	
19	Bottom Ash	9.7	
20	Coal Fines	7.6	
21	Slag	153.4	
22	Dust	0.626	
23	MSW	0.026	
Total		4569.1	

4.4 Summary of Carbon Emission

S.No.	Particulars	Emission, t CO2-e/Year
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Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

1	Scope-1 : Transportation of Workers	32.94
2	Scop-1: Emission from Industrial Process	834600.0
3	Scope-1: Emission from Steam Generation (AFBC)	148099.71
4	Scope-1: Emission from Power Generation (DG Set)	268.0
5	Scope-2: Emission from Electricity Use	11808
6	Scope-2: Emission from Water withdrawal/supply	363.519
7	Scope-2: Emission from Wastewater	12.56
8	Scope-3: Emission from Product Delivery	2334.44
9	Scope-3: Emission from Raw Material and Waste Transportation	4569.1
	Total	1002088.269

It is estimated that **around 1,002,088.3 tCO₂-e** will be released into the atmosphere due to operation of the plant.

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

5 ESTIMATION OF CARBON SEQUESTRATION

Carbon sequestration is the process of removing and storing carbon dioxide (CO₂) from the atmosphere to mitigate climate change. It involves capturing CO₂ from various sources and storing it in long-term pools, like soils, vegetation, and geological formations.

Here, in our project the Carbon sequestration will be limited to Carbon stored by plants under greenbelt program. Also, the carbon emission avoided will also be estimated so that the carbon footprint can be calculated.

5.1 Carbon Sequestration through Greenbelt

As given in the Table 2.1, the greenbelt will be developed on the land of 4.72 Ha i.e. 47147.094 Sq-m which is approximately 41.5% of the total plot area.

As per the **ToR condition 22.8**, Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than **2500 per ha** within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.

In line of the same, Total Number of trees to be planted under Greenbelt:

$$4.72 \text{ Ha} \times 2500 \text{ Trees / Ha} = \mathbf{11800 \text{ Number of Trees}}$$

The species selection will be in line of the CPCB Guidelines for Greenbelt Program PROBES/75/1999-2000.

To accurately determine the amount of CO₂ absorbed by trees, two critical measurements are taken directly from the tree: its diameter, measured in cm, and its height, measured in meters. These measurements are essential for calculating both the Above-Ground Biomass (AGB) and Below-Ground Biomass (BGB). These biomass values are calculated based on a specific formula that incorporates these two parameters.

$$\text{AGB} = 0.25 \times D^2 \times H$$

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Where:

AGB: Above-Ground Biomass (pounds).

D: The tree diameter measured 1.37 meters from the ground (inches). This measurement is used globally as a standard to get better results. However, you can still use the formula if your tree is below 1.37 meters.

H: The tree height (feet).

On average, a tree consists of 72.5% dry matter and 27.5% moisture content. To calculate the tree's dry weight, we could multiply the total weight of the tree by 72.5%.

Various types of indigenous species already planted /proposed under greenbelt program with their carbon sequestration potential is given below:

Table 5-1: Carbon Sequestered by Greenbelt

Botanical Name	Tree	DBH, inch	Height, Ft	No of Trees	Total, kg/yr	t-CO2/YR
<i>Acacia nilotica</i>	Kikar	8.25	12.5	50	1538.5	1.5385
<i>Acacia pennata</i>	Feather Acacia	10.5	16.2	50	3229.5	3.2295
<i>Aegle marmelos</i>	Bel	19.65	19.2	200	32172	32.172
<i>Albizia lebbeck</i>	Siris	12.9	18.5	200	13360	13.36
<i>Albizia odoratissima</i>	Kala Siris	13.8	15.5	200	12810	12.81
<i>Albizia procera</i>	Safed Siris	12.9	15	200	10832	10.832
<i>Alstoniascholaris</i>	Chatim	12.4	19	200	12884	12.884
<i>Annona squamosa</i>	Custard apple	11.79	16	200	9652	9.652
<i>Anogeissus latifolia</i>	Dhawra	14.5	20.2	100	9215	9.215
<i>Artocarpus heterophyllus</i>	Jackfruit	27.51	25.6	200	84078	84.078
<i>Azadirachta indica</i>	Neem	13.755	32	200	26294	26.294
<i>Bauhinia vahlii</i>	Mahul	9.25	15.9	100	4920	4.92
<i>Bauhinia variegata</i>	Kachnar, Papri	11.5	16.2	200	9298	9.298
<i>Bombax ceiba</i>	Semal	24.5	30	200	78148	78.148
<i>Butea monosperma</i>	Dhak, Palah	10.5	15	200	11962	11.962
<i>Carica papaya</i>	Papita	8.5	12	200	6270	6.27
<i>Cascabelathevetia</i>	Pila Kaner	6.5	10	200	3056	3.056
<i>Cassia angustifolia</i>	Indian senna	15.2	12.5	200	12534	12.534

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Botanical Name	Tree	DBH, inch	Height, Ft	No of Trees	Total, kg/yr	t-CO ₂ /YR
<i>Cassia fistula</i>	Amaltas	9.825	16	200	11172	11.172
<i>Cassia siamea</i>	Chakundi/Kassod	14.6	20	100	9251	9.251
<i>Dalbergia sissoo</i>	Shisham	18.5	22	200	32676	32.676
<i>Delonix regia</i>	Gulmohar	12.5	15	200	10172	10.172
<i>Diospyros melanoxylon</i>	Kendu	11.5	16.8	200	9642	9.642
<i>Emblica officinalis</i>	Amla	15.72	25.6	200	27454	27.454
<i>Enterolobiumcyclocarpum</i>	Elephant ear	12.5	16.5	200	11188	11.188
<i>Erythrina suberosa</i>	Dhaul, Padiara	14.6	18.2	200	16836	16.836
<i>Erythrina variegata</i>	Indian coral tree	12.5	15	100	5086	5.086
<i>Eucalyptus globulus</i>	Eucalyptus	12	35	50	5468	5.468
<i>Ficus benghalensis</i>	Bar, Bargad	31.44	38.4	50	41181	41.181
<i>Ficus benjamina</i>	Pakar	23.58	19.2	200	46328	46.328
<i>Ficus carica</i>	Anjeer	27.51	19.2	200	63058	63.058
<i>Ficus glomerata</i>	Gular	26.5	18.5	200	56380	56.38
<i>Ficus religiosa</i>	Peepal	31.44	38.4	200	164724	164.724
<i>Flacourtia indica</i>	Indian Plum	8.5	12.6	200	6400	6.4
<i>Grevillea robusta</i>	Silver oak	13.8	20	200	6584	6.584
<i>Holarrhenaantidysenterica</i>	Kutaja	13.5	18.5	100	7316	7.316
<i>Jacaranda mimosifolia</i>	Jacaranda	12.5	22	200	14918	14.918
<i>Lagerstroemia parviflora</i>	Sidha	10.2	15	200	11288	11.288
<i>Lagerstroemia speciosa</i>	Banaba	14.2	16	200	14000	14
<i>Leucaena leucocephala</i>	Subabul	16.2	18	100	10250	10.25
<i>Litchi chinensis</i>	Litchi	14.5	22	200	20074	20.074
<i>Madhuca longifolia</i>	Mahua	12.5	20	200	13562	13.562
<i>Magnolia champaca</i>	Champaka	12.6	21	200	14240	14.24
<i>Mangifera indica</i>	Aam	19.65	22.4	500	93835	93.835
<i>Manilkara zapota</i>	Chiku	10.2	14.5	200	10912	10.912
<i>Melia azadirachta</i>	Bakain	15.2	25	200	25066	25.066
<i>Millingtonia hortensis</i>	Indian Cork	12.2	21	200	13564	13.564
<i>Monoon longifolium</i>	Ashok Tree	17.685	22.4	200	30404	30.404
<i>Moringa oleifera</i>	Sanjna	12.5	24	200	16274	16.274
<i>Peltophorumpterocarpum</i>	Copper-pod	13.2	22	200	16636	16.636
<i>Phoenix sylvestris</i>	Khajur	11.79	16	100	4826	4.826
<i>Phyllanthus emblica</i>	Indian Gooseberry	15	30	100	14646	14.646
<i>Pithecellobium dulce</i>	Jangli jalebi	14.5	22	200	9200	9.2
<i>Polyalthia longifolia</i>	Mast tree	12.5	19	100	10037	10.037
<i>Pongamia pinnata</i>	Karanj	11.5	22	200	12626	12.626
<i>Prosopis juliflora</i>	Vilaitikikar	11	18	50	2363	2.363

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

Botanical Name	Tree	DBH, inch	Height, Ft	No of Trees	Total, kg/yr	t-CO2/YR
<i>Psidium guajava</i>	Amrud	9.5	15	200	9792	9.792
<i>Punica granatum</i>	Pomegranate	11.79	16	200	9652	9.652
<i>Schleichera oleosa</i>	Kusum	12	20	200	12498	12.498
<i>Semecarpus anacardium</i>	Bhilwa	13.6	21	100	8428	8.428
<i>Shorea robusta</i>	Sal	15.6	32	200	33796	33.796
<i>Syzygiumcumini</i>	Jamun	13.755	19.2	250	19705	19.705
<i>Tamarindus indica</i>	Imli	32	35	200	155534	155.534
<i>Tectona grandis</i>	Teak	22	30	200	63012	63.012
<i>Terminalia alata</i>	Asan	21	30	200	57414	57.414
<i>Terminalia arjuna</i>	Arjun	18.5	22	200	32676	32.676
<i>Terminalia bellirica</i>	Bahera	16.5	24	100	14178	14.178
<i>Ziziphus mauritiana</i>	Ber	12.5	20	100	23733	23.733
Total				12000		1672.308

5.2 Carbon Emissions Avoided through Solar Power Utilization

The factory at present is not having any facility to utilize the solar power, but in future expansion it is proposed to utilize solar power for illumination and ventilation/air circulation purposes inside and outside the industry. It is proposed to have utilization of around 5 KW of Solar Power. The solar power will reduce the electricity consumption supplied by the State Boards and hence will lead to reduction in emissions. The emission rates (avoided) are adopted from the *MoEF&CC document Low Carbon Lifestyles 2015*.

Table 5-2: Emission avoided by installation of Solar Powered Systems

Power Requirement	Daily Electricity Requirement (300 Days/Annum)	Emission Factor, kg CO2/kWh	Annual Emission, kg/Annum
Electricity Supply 5 KW	24 Hr	0.82	29520
Solar Power-5 KW	24 Hr	0	0
Reduction in CO2 Emission			29520 kg CO2/Year
Or Emission Avoided		29.52 t-CO2e/Year	

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

5.3 Carbon Emissions Avoided through Utilization of Rain Water

The factory has proposed to provide the rain water harvesting system. Rainwater harvesting potential of the proposed project is ~78835 KL/Annum. A rain water harvesting pond is proposed to store the rainwater which will be utilized for various purposes i.e. gardening, vehicle washing, floor cleaning, flushing and other non-potable purposes.

Utilization of rainwater will reduce the pressure on water source to supply this amount of water which would otherwise create excess emissions of CO₂. The emission rates (avoided) are adopted from the *MoEF&CC document Low Carbon Lifestyles 2015*. The emissions avoided through rainwater harvesting system installation are estimated as follows:

Table 5-3: Emission avoided having provision of RWH System

Water Source	Quantity of Water, KL/Annum	Emission Factor, kg CO ₂ /KL	Annual CO ₂ Emission, kg CO ₂ /Annum
Damodar River Supply	78835 KL/annum	1.69	133231.15
Rain Water	78835 KL/annum	0	0
Reduction in CO₂ Emission			133231.15
Or Emission Avoided			133.23 t-CO₂e/Year

5.4 Carbon Emissions Avoided through WHRS

Each Kiln of DRI Plant will discharge Waste Gas at 850 to 900°C (950°C maximum). The gas in present scenario is being cooled in a Gas Cooler to a temperature of about 180°C and cleaned in an electrostatic precipitator (ESP) and then discharged by an Induced Draught Fan into atmosphere through a Steel Chimney. The heat of the gases is presently not utilized for any useful purpose.

Therefore, it is possible to utilize the heat of waste gases by installing a WHRSG for each Kiln. The well tried out configuration for WHRSG is comprised of an Evaporator, Superheater in two sections and an Economizer which will bring down the temperature of

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

gases from 850-900°C to 180°C and produce 90 to 95 TPH Steam at a pressure of 66 Ata and 490°C.

Installation of WHRS of 12 MW capacity is definitely going to reduce the burden on grid to produce power which would otherwise be wasted in the atmosphere by passing through Gas Cooler. The heat coming from the direct reduction of iron ore, an exothermic reaction. Installation of WHRB leads to avoid the emissions.

The specific coal demand in India varies from 0.49 to 0.89 kg of coal per unit of electricity produced. (Reference: Report No.35 of 2016 / CAG). Hence in order to produce the electricity of 12 MW, requirement of coal would be:

$$=12000 \text{ KW} \times 24\text{Hr} \times 300 \text{ Days} \times 0.89 \text{ kg Coal/kwh of Electricity}$$

$$= 76896000 \text{ kg of Coal or } \mathbf{76896 \text{ Tonnes of Coal}}$$

Burning of 76896 Tonnes of Coal will produce huge amount of emissions of CO₂ which are estimated based on the emission factors adopted from the “*Emission Factors for Greenhouse Gas Inventories by USEPA Last Modified: 15 September 2021.*” Sub-bituminous type of Coal is adopted for the calculation.

Table 5-4: Emission avoided by installation of Waste Heat Recovery Systems

Electricity	Energy Source	Quantity, TPA	Emission Factor, kg-Gas / kg of Fuel	Emission, t-CO ₂ -e / Year
12 MW	Coal	76896	1676 kg CO ₂ /907 kg of Coal	142092.3
			190 g CH ₄ /907 kg of Coal	402.7
			28 g N ₂ O/ 907 kg of Coal	707.4
Total				143202.4
Note: GWP of CH₄ – 25; GWP of N₂O - 298				
12 MW	WHRB	0	0	0
Emission Avoided				143202.4

5.5 Summary of Carbon Sequestered and Emission Avoided

S.No.	Particulars	Emissions Avoided, t CO ₂ e/year
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Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

1	Carbon Sequestration through Greenbelt	1672.308
2	Emission Avoided by Solar Provision	29.52
3	Emission Avoided by RWH Provision	133.23
4	Emission Avoided by WHRS Provision	143202.4
	Total	145037.458

5.6 Total Carbon Footprint

Total Footprint = Total Emissions – Total Sink

$$= 1002088.3 - 145037.5$$

$$= 857050.8 \text{ tonnes of CO}_2/\text{Year}$$

Percentage reduction in Total CO₂ Emission = ~ 15 %

Here, it can be seen that M/S Shri Venkatesh has agreed upon to reduce the use of coal as this area falls under the SPA Zone. The switching over from Coal to Natural Gas will bring down the total emissions as natural gas is considered as one of the cleaner and greener fuel.

Also, the factory owner has planted around 1000 trees in and around the factory. The owner has also proposed to keep cattle in the greenbelt area to dispose off the kitchen waste. This will not only help human to manage the waste but also work as a food/energy source for the cattle to grow.

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

6 CONCLUSION AND RECOMMENDATIONS

M/s Shri Venkatesh Iron & Alloys (India) Limited is committed to reducing the overall Green House Gases and Ambient pollution levels by adopting cleaner technologies and carrying out ecological development activities. The company aims to reduce carbon emissions by introducing different energy-efficient technologies with usages of renewable energy resources. The factory committed to the nation's pledge of achieving carbon neutrality by 2070, Even after 2030, it will be continued to bring down the emission inventory at the same pace or pace faster than today rate.

Further, with the implementation of Carbon capture and storage (CCS) plants in steel industries, steel plants could progress to become near-zero emitters of CO₂. The commercial viability of CCS partly depends on the price of carbon emissions which is set by government policy. Developing new technologies, such as the HIsarna process, that are designed to generate a nitrogen-free and CO₂-rich off gas which will make CO₂ capture & control easier and cheaper.

To conclude, no single option can yield the necessary CO₂ emission reductions but a combination of available technologies can be retrofitted to achieve significant reductions, which is possible after commercial deployment of the same by the Government of India.

To further reduce the emission of Carbon to achieve net zero carbon, the industry specific recommendations are as follows:

1. Switch to Low-Carbon Fuels - Replace coal or heavy oil with natural gas or biogas where possible
2. Shift to green power sources for electrical needs (e.g., solar, wind).
3. Install / Increase the numbers of on-site renewable energy systems (e.g., rooftop solar).
4. Material substitution - Increase the use of recycled metals (e.g., scrap) instead of virgin ore

Expansion in Production of sponge iron from 1,20,000 TPA to 1,80,000 TPA by adding of 2x100 TPD DRI unit and change in Technology from Induction Furnaces to Submerged Arc Furnaces (SAF) (12MVA*2) for the production of Fe-Si/ Fe-Mn/ Si-Mn/ Pig Iron- 64,000 TPA and additional 4 MW CPP (WHRB) of M/s. Sri Venkatesh Iron & Alloys (India) Limited, located at village Lapanga, P.O. Bhadaninagar, District Ramgarh, Jharkhand.

5. Hydrogen-Based Reduction - Adopt hydrogen as a reductant in place of coke in processes like iron production (e.g., Direct Reduced Iron - DRI via hydrogen).
6. Green Metallurgical Processes - Invest in breakthrough technologies such as molten oxide electrolysis (MOE) or carbothermic reduction alternatives.
7. Carbon Capture and Storage (CCS) - Capture CO₂ emissions from flue gases and sequester them underground or use them in value-added products.
8. Industrial Symbiosis - Collaborate with nearby industries to use by-products and share energy (e.g., using slag in cement production, sharing steam grids).
9. Regulatory Compliance: Align actions with national/international carbon regulations (Compliance of conditions stipulated in MoEF&CC, NewDelhi; Compliance of CPCB Directions, Environmental Norms/Order by Hon,ble Court etc.
10. Reporting and Transparency: Use carbon accounting standards like the GHG Protocol or ISO 14064.

Annexure 13
Hazard identification and Risk Assessment
(HIRA) and Disaster Management Plan

RISK ASSESSMENT HAZARD IDENTIFICATION & RISK ASSESSMENT

1.1.1 Hazard

Hazard has been defined as a source of potential harm to people, property or the environment. Alternatively, hazard is an agent (either chemical, biological, or physical) or it is a set of conditions that presents a source of risk. In any given situation hazards are fixed, they can vary in two ways- their intrinsic nature (e.g. high pressure/low pressure) and their scale (more or a less).

1.1.2 Hazard Identification

There are three steps used to manage health and safety at work:

- Spot the Hazard (Hazard Identification)
- Assess the Risk (Risk Assessment)
- Make the Changes (Risk Control)

I Spot the Hazard

A hazard is anything that has potential to cause harm. Examples of workplace hazards include:

- Frayed electrical cords (could result in electrical shock)
- Boxes stacked precariously (they could fall on someone)
- Noisy machinery (could result in damage to your hearing)

II. Assess the Risk

Assessing the risk means working out how likely it is that a hazard will harm someone and how serious the harm could be. For example:

- Ask your supervisor for instructions and training before using equipment;
- Ask for help moving or lifting heavy objects;
- Tell your supervisor if you think a work practice could be dangerous.

III. Make the Changes

The best way to fix a hazard is to get rid of it altogether. This is not always possible, but employer should try to make hazards less dangerous by looking at the following options (in order from most effective to least effective). NIOSH defines five rungs of the Hierarchy of Controls: elimination, substitution, engineering controls, administrative controls and personal protective equipment.

Elimination - Sometimes hazards - equipment, substances or work practices - can be avoided entirely (e.g. Clean high windows from the ground with an extendable pole cleaner, rather than by climbing a ladder and risking a fall).

Substitution - Sometimes a less hazardous thing, substance or work practice can be used.

Isolation - Separate the hazard from people, by marking the hazardous area, fitting screens or putting up safety barriers (e.g. Welding screens can be used to isolate welding operations from

other workers. Barriers and/or boundary lines can be used to separate areas where forklifts operate near pedestrians in the workplace.)

Safeguards - Safeguards can be added by modifying tools or equipment, or fitting guards to machinery. These must never be removed or disabled by workers using the equipment.

Instructing workers in the safest way to do something - This means developing and enforcing safe work procedures. Students on work experience must be given information and instruction and must follow agreed procedures to ensure their safety.

Using personal protective equipment and clothing (PPE) - If risks remain after the options have been tried, it may be necessary to use equipment such as safety glasses, gloves, helmets and ear muffs. PPE can protect from hazards associated with jobs such as handling chemicals or working in a noisy environment.

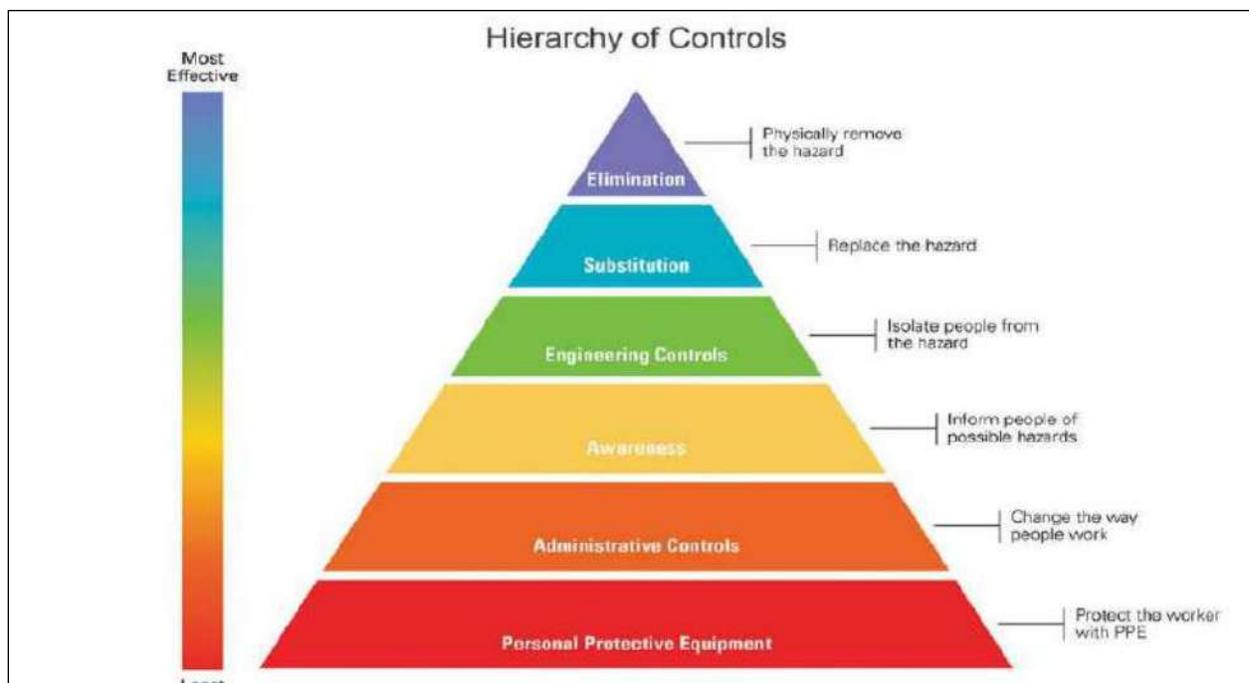


FIGURE 1 HIERARCHY OF CONTROLS

Sometimes, it will require more than one of the risk control measures above to effectively reduce exposure to hazards. The details for Risk Classification based on Likelihood/ Control Rating x Severity Rating is mentioned below.

TABLE 1 CLASSIFICATION BASED ON LIKELIHOOD/CONTROLS RATING X SEVERITY

RATING

Almost certain	5	5	10	15	20	25
----------------	---	---	----	----	----	----

Likely	4	4	8	12	16	20
Possible	3	3	6	9	12	15
Unlikely	2	2	4	6	8	10
Rare	1	1	2	3	4	5
Likelihood / Control Rating		1	2	3	4	5
		Severity Rating				

The definition of risk level and acceptance criteria is given below

TABLE 2 ACCEPTANCE CRITERIA OF RISK LEVELS

	Risk level	Category	Acceptability on necessary action and timescale
Low Risk	1 - 3	Low	No additional controls are required unless they can be implemented at very low cost (in terms of time, money and efforts), actions to further reduce these risks are assigned low priority. Arrangements should be made to ensure that the controls are maintained.
	4 - 8	Medium	Consideration should be given as to whether the risks can be lowered, but the costs of additional risk reduction measures should be taken into account. The risk reduction measures should be implemented within a defined time period. Arrangement should be made to ensure that the controls are maintained, particularly if the risk levels are associated with extremely harmful consequences and very harmful consequences.
High Risk	9 - 14	High	Substantial efforts should be made to reduce the risk. Risk reduction measures should be implemented urgently within a defined time period and it might be necessary to consider suspending or restricting the activity, or to apply interim risk controls are maintained, controls. Arrangements should be made to ensure that the controls are maintained, particularly if the risk levels are associated with extremely harmful consequences and very harmful consequences.
	15 - 25	Very high	These risks are unacceptable. Substantial improvements in risk controls are necessary, so that the risk is reduced to an acceptable level. The work activity should be halted until risk controls are implemented that reduce the risk so that it is no longer very high. If it is not possible to reduce risk the work should remain prohibited.

Based on the Hazard identified within the unit and their Risk levels, HIRA has been prepared and is given Below:

TABLE 3 HAZARD IDENTIFICATION AND RISK ASSESSMENT (HIRA)

Equipment	Process	Potential Hazard	Risk Level	Mitigation measures
DRI Plant				
DRI Rotary Kiln	Reduction of Iron Ore	Falling of Hot Mass& Dust	High	<ul style="list-style-type: none"> ➤ Ensuring before opening the kiln bottom door, first clean the inner surface of the stack cap, such that the dust particle and hard stonewhich deposited in the cap is fallen into the DSC. (Dust settling chamber) ➤ Ensure before opening the DSC bottom door to check the DSC bar position and condition and to clean if big block of castables or any hard stone which is blocking the dust flow passage to wet scrapper chute. ➤ Ensure to clean the dust by opening the man hole provided in the chute and check the spiking rods and the screen. In built safety system is provided in the construction of furnace with suitable refractory walls. ➤ Allow the wet scrapper to run to remove the sludge, then open the drain pipe of the wet scrapper,

				<p>which is located at bottom on either side, pour sufficient water to clean the sludge and the slurry dust to flow through drain pipe.</p> <ul style="list-style-type: none"> ➤ Ensure to stop the wet scrapper and open the top plate to check the alignment, weak and tear of the plates and take necessary ➤ precaution against the excessive worn out plate.
DRI Rotary Kiln	Reduction of Iron Ore	Air emission	Medium	<ul style="list-style-type: none"> ➤ Adequately designed ESP and other Air Pollution control systems will be provided with internal lock to the kiln feeding system in order to prevent by passing of emissions through safety cap and also during non-operation of ESP or any other pollution control devices.
Furnace	Handling of liquid metal may result in explosion .if humidity is trapped in enclosed spaces	Fire & Explosion hazard	High	<ul style="list-style-type: none"> ➤ Ensure complete dryness of materials prior to contact with liquid steel. ➤ Design will be such that adequate separation of flammable gas, oxygen pipelines, combustibile materials and liquids from hot areas, source of ignition such as electrical panels.
Power Plant				

Turbine	Convert Pressure in the flue gas into Mechanical Energy	Mechanical & Fire Hazards Noise	Medium	<ul style="list-style-type: none"> ➤ Layout of Equipment / Machinery will be in accordance to factory and electrical inspectorate. ➤ Acoustic enclosure to Turbine
Generator	Convert Mechanical energy into electrical energy	Mechanical & Fire Hazards Lube Oil System Cable galleries Short circuits	Medium	<ul style="list-style-type: none"> ➤ Layout of Equipment / Machinery will be in accordance to factory and electrical inspectorate.
		Noise	Low	<ul style="list-style-type: none"> ➤ Acoustic enclosure ➤ Isolated panel rooms ➤ Special foundation with vibration absorbers
Power Transformers	---	Fire and explosion	Medium	<ul style="list-style-type: none"> ➤ Automatic fire fighting system will be provided. Isolated with fencing and restricted entry.
Switch Yard	Transformer	Fire	Medium	<ul style="list-style-type: none"> ➤ All electrical fittings and cables are provided as per the specified standards.
Switch Yard control room	---	Fire in cable Galleries and switch	Medium	
Coal shed storage	Storage of coal for 10 days requirement.	Spontaneous combustion	High	<ul style="list-style-type: none"> ➤ Sprinkling of water at Coal storage with sprinklers. yard will sprinkle garden bewithtype
Coal handling bunkers	----	Fire and dust explosions	High	<ul style="list-style-type: none"> ➤ Continuous water sprinkling
Compressor House	Plant operation	Governor failure due to the failure of pins and springs leading to opening of safety valves	Medium	<ul style="list-style-type: none"> ➤ The design precautions of safety will be followed in manufacture and erection of compressors.

Coalyard storage	Coal dust is combustible	Explosion Hazard	High	<ul style="list-style-type: none"> ➤ Coal storage shall be minimized ➤ Coal piles shall not be located above heat sources such as steam lines. <p>All mechanical & electrical equipment inside the coal storage area shall be approved for use in hazardous locations and provided with spark proof</p>
STG, draft fans, soot blowing from boiler, ventilation pipes	Noise generated due to operation of STG, working of fans, ventilation system,	Noise hazard	Low	<ul style="list-style-type: none"> ➤ Acoustic enclosures will be provided to STG (Steam Turbine Generator) ➤ Enclose fans, insulating ventilation pipes ➤ Use of dampeners.
Equipment	Process		Potential Hazard	Mitigation measures
<i>Induction Furnace/Electric Arc Furnace</i>				
IF	Tapping of liquid steel and slag	Spillage of hot Metal,	High	<ul style="list-style-type: none"> ➤ Hot protection suit to be worn by personnel working with hot metal ➤ Follow work permit, SOP and SMP. ➤ On line gas monitoring system for gas leakage. ➤ Wear gas masks during working in gas line. ➤ Firefighting system in operation. ➤ Reliable and selective digital or ➤ microprocessor based electromagnetic ➤ protective relays would be incorporated in the electrical system.
	Operation area	Electrical Hazard	High	
Steel Melt Shop				

SMS	Charging of hot metal in furnace	Spillage of hot Metal	Medium	<ul style="list-style-type: none"> ➤ Preparation of SOP and SMP and Training manuals ➤ Provide adequate training to operators
	Melting operation in furnace	Electric shock ☒ Exposure to hot metal,	Medium	<ul style="list-style-type: none"> ➤ Conduct regular safety audits and rectify safety issue and monitor safety compliance reports ➤ Ensure personnel wear PPE and wear hot metal protection suit.
	Tapping of hot metal	Spillage of hot Metal	High	<ul style="list-style-type: none"> ➤ Firefighting system in operation ➤ Vital connections e.g. water, gas, compressed air, oxygen etc., would be cut off or regulated as per requirement ➤ In case of minor leakages, the flow of molten metal will be controlled. ➤ If there is major breakout, the area would be cut off and cordoned. ➤ Water temperature & flow sensors with ➤ Ground leak detector Circuit breakers and tripping mechanism ➤ Frequency monitoring ➤ Lining conditions of crucibles & ladle etc.
	Material handling system from cranes	Improper handling leads to accident	Medium	<ul style="list-style-type: none"> ➤ Regular maintenance of Electric Overhead Travelling Cranes in respect of wire ropes, brakes, lifting hook, rails/ wheels, electrical system/ motors etc. ➤ Provision of proper limit switches Emergency main

				<p>switch of cranes to be provided near platform or at an easily accessible place.</p> <ul style="list-style-type: none"> ➤ Bell/Siren is to be provided in the cabin for crane operator with annual inspection of Cranes/ Lifting tackles by competent person every year as per factory act. ➤ Display of safe working load on each crane ➤ Proper guarding of all stairs and crane's CT Trolley
Storage Area				
Storage Area	Storage area of HSD/ Furnace Oil	<ul style="list-style-type: none"> • Fire, 	High	<ul style="list-style-type: none"> ➤ Dedicated storage area provided for storage of Fuel. ➤ Fire alarm system provided ➤ Adequate capacity fire extinguisher (Foam type and ABC type) will be provided.
	Raw material storage area	Material may fall down if proper stacking and height not maintained,	Medium	<ul style="list-style-type: none"> ➤ Proper height, not more than 5-m, will be maintained for stacking of the raw material. ➤ Safety fencing will be provided. ➤ Authorized and trained persons will perform the job in particular area. ➤ Use of PPEs will be strictly followed. ➤ Safety sign board will be provided.
Rolling Mill				

	Rolling mill operation	Hot object	High	<ul style="list-style-type: none"> ➤ Preparation of SOP and SMP and Training manuals ➤ Provide adequate training to operators ➤ Conduct regular safety audits and rectify safety issue and monitor safety compliance reports ➤ Maintain near-miss records ➤ ☑ Ensure use of PPE
	Cutting of re-bars in shear machine	Flying off sharp metals,	Medium	
Fire/Explosion Hazard (General)				
	Hot Area	<ul style="list-style-type: none"> • All hot metal areas • Furnace • Transformers • Operating • Floor 	Medium	<ul style="list-style-type: none"> ➤ Proper SOPs for O&M and good firefighting scheme can eliminate these hazards. Proper safety and protective equipment can eliminate impact of these hazards.
	Hydrocarbon handling (HSD/Furnace Oil)	Highly inflammable nature of fuels may cause fire/explosion hazard in the facility leading to fatality.	High	<ul style="list-style-type: none"> ➤ Inspection and Maintenance ➤ Fire protection/suppression system. Fire/smoke detectors ➤ Fire hydrant system
	Waste oil generated	Fire hazard/Slippage hazard	Low	<ul style="list-style-type: none"> ➤ Proper house keeping ➤ No smoking/any other ignition source while handling waste oil ➤ SOPs to be strictly followed.
Electrical System				

	Electrical System	<ul style="list-style-type: none"> • Exposure to electrical shocks • Scope of fire due to electrical short circuits • Exposure to burns due to electrical systems • Property loss 	Medium	<ul style="list-style-type: none"> ➤ Safety fencing will be provided to control the direct contact of workers. ➤ Only authorized persons with adequate PPEs will permit to access the area. ➤ Adequate fire protection system will be developed. ➤ Good housekeeping practices will be done. ➤ Safety sign board will be provided. ➤ Adequately rated and quick response circuit breakers, aided by reliable and selective digital or microprocessor based electromagnetic protective relays would be incorporated in the electrical system design for the proposed activities. ➤ Proper firefighting scheme for electrical failures eliminate these Hazards ➤ Proper design of electrical equipment as per standards/ HAC and proper isolation to eliminate these Hazards. ➤ All motors should be flame proof in case of usage near Hydrocarbon handling area. ➤ The metering and instruments would be of proper accuracy class and scale dimensions.
Mechanical Injury to Body Parts				

	Workers movement in rolling mill area.	Unsafe Practices/ Condition	Medium	The plant machinery comprises of standard engineering designs meeting all quality specifications. Since most accidents occur due to human error and improper work practice, safety awareness workshop for the plant personnel will be organized on regular basis. Workers are encouraged to wear and use appropriate safety devices like boots, gloves, helmets, aprons, goggles and safety belts.
	During mechanical repair work in different units	Unsafe Practices/ Design/ Condition	Medium	
	Road area	Accident may happen	High	<ul style="list-style-type: none"> ➤ Vehicle Speed (not more than 20 km/hr) will be maintained inside the plant. ➤ Speed breakers will be provided. ➤ Drink and drive will be strictly prohibited. ➤ Sufficient parking area will be provided. ➤ Proper maintenance of the road will be done. ➤ Safety sign board will be provided.

In addition to above control measures following safety measures will be taken:

- ✓ Yearly monthly third party safety audit will be conducted and all findings will be corrected strictly;
- ✓ EHS cell will be provided;
- ✓ PPEs record will be maintained;
- ✓ Work permit system will be strictly followed;
- ✓ Timely Hazard Identification and Risk Assessment (HIRA) study will be conducted, if any modifications happens in plant;
- ✓ Proper maintenance of fire hydrant system will be done;
- ✓ Safety trainings will be conducted;
- ✓ Periodically safety mock drill will be conducted and
- ✓ Safety sign board in dedicated area will be provided (related to associate Hazard and Risk).

1.1.3 General Mitigation Measures

I. Control Rooms

- Control rooms shall be blast proof and shock proof.
- The building shall be located upwind of the process storage and handling facilities.
- Adequate number of doors shall be provided in the control room for safe exit.
- Smoke detectors system shall be provided for control rooms at suitable locations.
- One hydrant (minimum) for every 45m per wall of the building shall be positioned all around the building.

II. Firefighting facility inside the plant

All the fire extinguisher system will be controlled by the Security Department. Safety department will consist of qualified safety manager, safety officer and supporting staff. Following are firefighting facilities required in the plant:

- Portable fire extinguishers
- Fire water hydrant system
- Sprinkler system employed near fire prone areas
- Fire buckets
- Foam type fire extinguishers near lubrication, hydraulic and fuel oil installation.

Details of Fire Fighting Facilities Onsite

TABLE 4 DETAILS OF FIRE FIGHTING FACILITIES ONSITE

S. No.	Area	Type of Extinguisher
1	Cable galleries	CO2 & Foam type, Dry chemical powder
2	High voltage panel	CO2 & Foam type, Dry chemical powder
3	Control rooms	CO2 & Foam type, Dry chemical powder
4	MCC rooms	CO2 & Foam type, Dry chemical powder
5	Pump houses	CO2 & Foam type, Dry chemical powder
6	Offices	Dry chemical powder, foam type
7	Godowns	Foam type

Smoke detectors in control room will also be provided in case of Fire.

III. Personal Protective Equipment (PPE)

Personal Protective equipment kept onsite is made readily available to plant personnel. Following table shows the lists of recommended Personal Protective Equipment (PPE) onsite.

**TABLE 5 SUMMARY OF RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT ACCORDING
TO HAZARD**

Particulars	Workplace Hazards	Suggested PPE
Eye and face protection	Flying particles, molten metal, gases or vapors, light radiation	Safety glasses with side-shields, protective shades, etc.
Head protection	Falling objects, inadequate height clearance, and overhead power cords	Plastic helmets for top and side impact protection.
Hearing protection	Noisy areas	Hearing protectors (ear plugs or ear muffs).
Foot protection	Falling or rolling objects, points objects. Corrosive or hot liquids	Safety shoes and boots for protection against moving and falling objects, liquids and chemicals.
Hand protection	Hazardous materials, cuts or lacerations, vibrations, extreme temperatures	Gloves made of rubber or synthetic material (Neoprene), leather, steel, insulation materials, etc.
Respiratory protection	Dust, fogs, fumes, mists, gases, smokes, vapors	<ul style="list-style-type: none"> • Facemasks with appropriate filters for dust removal and air purification (chemical, mists, vapors and gases). • Single or multi-gas personal monitors, if available
	Oxygen deficiency	<ul style="list-style-type: none"> • Portable or supplied air (fixed lines). • Onsite rescue equipment
Body / leg protection	Extreme temperatures, hazardous materials, biological agents, cutting and laceration	<ul style="list-style-type: none"> • Insulating clothing, body suits, aprons etc. of appropriate materials

1.1.4 RISK ASSESSMENT SUMMARY

The preliminary risk assessment has been completed for the proposed expansion of the plant and associated facilities. The hazardous event scenarios and risks in general at this facility can be adequately managed to acceptable levels by performing the recommended safety studies as part of detailed design, applying recommended control strategies and implementing a Safety Management System.

1.1.4.1 Recommended Approach to Combat with the Possible Accidents

Considering all possible accident scenarios as analyzed in the risk analysis, it is established that there are potential hazards for handling of hazardous chemicals. So, the project authorities should be well prepared to handle any such eventuality described below:

In case of Fire/Explosion:

The following measures and actions are to be taken:

- Evacuate the area in vicinity;
- Take all necessary actions to avoid escalation of the accident;
- If problem appears to be out of control, call fire brigade and police. Report to district collector, etc.; and
- Provide first aid to the victims as suggested in the Material Safety Data Sheets.

1.1.4.2 Loss of containment of High Speed Diesel (HSD)

In present case, for DG sets HSD is handled in the plant. Possible sources of release of HSD are flanges, valves, tail ends or during transfer from truck tanker / storage tank:

1.1.4.3 Action Plan considered preventing loss of containment (LOC) of HSD

- Preventive maintenance of all flanges, valves, joints, fittings etc. to prevent leakage.
- Periodic maintenance/inspection for corrosion.
- Regular inspection/maintenance of fire detectors and checking its operability.

1.1.4.4 Accident Involving HSD

In case of leakage of oil from flanges, valves, tail ends or during transfer from truck tanker:

- Detect the source of leakage;
- If possible, try to collect the leaking oil in a suitable container;
- Bring portable fire extinguishers near to the area of leakage; and
- Stop flow of spilled oil and prevent it from coming into contact with any ignition source.

1.1.4.5 If HSD is ignited at the source of leak:

In addition to the above, following actions are to be taken:

- Use fire extinguishers/Hydrant to diminish the fire;
- See that the flame does not impinge on tanks or any other adjacent installation;
- If impingement of flame is unavoidable, put water protection system in between and cool the adjacent installations;
- Give priority to closure of valve and stop the flow;
- Best trained personnel to prevent further spread of fire;
- Take all necessary actions to avoid escalation of the accident.

1.1.4.6 In case of fire near HSD storage tanks:

- If the fire is near the storage tanks area, use water hydrant and DCP type fire extinguishers;
- Never allow fire to spread to the area below the tank, start cooling the tank by the emergency water spray; and

- Call fire brigade & police for assistance.
-

OCCUPATIONAL HEALTH & SAFETY

1.1.5 Plan and fund allocation to ensure the Occupational Health & Safety of all contract and casual workers:

Safety monitoring programs shall verify the effectiveness of prevention and control strategies. The selected indicators shall be representative of the most significant occupational, health, and safety hazards and the implementation of prevention and control strategies. The performance and achievements of the OHSMS responsible for all management of all environments, Health & Safety aspects shall be re-assessed on annual basis. The occupational health and safety monitoring program shall include:

Safety inspection, testing and calibration: **M/s Sri Venkatesh Iron & Alloys (India) Limited.** shall carryout regular inspection and testing of all safety features and hazard control measures focusing i.e. testing of pressure vessels, testing of cranes etc. The inspection shall verify that issued personal protective equipment (PPE) shall provide adequate protections.

All instruments installed or used for monitoring and recording of working environment parameters shall be regularly tested and calibrated, and the respective records to be maintained;

Capital Budget of **Rs. 11.0 lakhs** and recurring budget of **Rs. 6.5 lakhs** is allocated to ensure safety of all Employees including contract & casual workers. Breakup of the OH&S budget is provided in **Table** given below.

TABLE 6 DETAILS OF OHS BUDGET

S. No.	Requirement	Capital Budget (Rs in Lakh)	Recurring Budget (Rs in Lakh)
1.	Installation of Fire hydrant/ Sprinkler /Route Maintenance of Fire Hydrant Line	4.0	1.0
2.	Installation of Heat Detectors, smoke detectors and Maintenance	2.0	0.5
3.	Yearly Hydro test of Fire Extinguishers	--	0.5
4.	CO2 Flooding System for MCC & Panel Rooms	1.5	1.0
5.	Third Party EHS Audit (Once in 3 years)	--	0.5
6.	PPE Purchase	2.0	0.5
7.	Exhaust Ventilation Test	--	1.0
8.	Training and Safety Awareness Program/Safety week celebration Conduction and Safety Slogans	--	0.5
9.	Maintenance of accessories/safety equipment's in plant	--	1.0

10.	Miscellaneous	1.5	--
Total		11.0	6.5

1.1.6 Details of exposure specific health status evaluation of worker

As this is an expansion project, company is already in practice to conduct the evaluation of workers health in pre designed format. All the workers working in the company will be evaluated pre-placement and periodically for chest X-rays, Audiometry, Spirometry, Vision testing (Far & Near vision. color vision and any other ocular defect) ECG. The format of evaluation sheet is provided below:

Spirometry Tests								
YEAR	Total Manpower	FVC (litres)	FEV 1	FEV 1/ FVC %	PEFR	Conclusion		
Physical Examination Tests								
YEAR	Total Manpower	Pulse	ECG	BP	Right Eye	Left Eye	Color Blindness	Squint
Investigations Tests								
YEAR	Total Manpower	Blood (CBC)	Blood Sugar (F& PP)		Lipid profile	URINE (R&M)		
Audiometry Tests								
YEAR	Total Manpower	Audiometry done	Normal	Abnormal	Conclusion			

1.1.7 Occupational Health Hazard of M/s. Venkatesh Iron & Alloys India Limited.

Major health hazards that are envisaged for the proposed project activity are mentioned below:

- a) Occupational Overuse syndrome (ODS)
- b) Dermatitis
- c) Stress
- d) Fatigue
- e) Burns
- f) Soft Tissues
- g) Respiratory disease (Dust, Gases, vapors and other contaminants)
- h) Sprains and strains
- i) Eye injuries
- j) Noise-induced hearing loss

k) Metal fume fever

M/s. Venkatesh Iron & Alloys India Limited will adopt suitable measures for the proper occupational health safety of workers complying with OSHA standards.

- Dust level of shop floor shall be appropriately monitored.
- Check of the effectiveness of preventive and control measures on regular basis.
- Adequate supply of potable drinking water shall be provided. Water supplied for the purpose of personal hygiene (washing or bathing) will be according to drinking water quality standards.
- Periodic audiometry checks shall be performed on workers exposed to high noise levels.
- Provisions shall be made to provide OHS orientation training to all new employees.
- Contractors must have the technical capability to manage the occupational health and safety issues of their employees are to be hired, extending the application of the hazard management activities through formal procurement agreements.
- Ambulances and first aid treatment facilities shall be made available for any emergency situation.

TABLE 7 PEL LEVEL SUMMARY AS PER OSHA

Sl. No.	Chemical Name	OSHA PEL	Cal/OSHA PEL	NIOSH REL	ACGIH
		mg/m ³	8-hour TWA (ST) STEL (C) Ceiling mg/m ³	Up to 10-hour TWA (ST) STEL (C) Ceiling mg/m ³	TLV
1.	a) Respirable fraction less than 5% SiO ₂	2.4	0.9 (bituminous)	1	0.9 (resp.) bituminous or lignite; 0.4 (resp.) anthracite coal dust to be monitored for crystalline silica
	b) Respirable fraction greater than 5% SiO ₂	10	0.1(bituminous)		
2.	Iron oxide	10 (fume)	5 (fume)	5 (dust and fume)	5 mg/m ³
3.	Carbon Mono-oxide	55 mg/m ³	25 ppm	35 ppm	25 ppm

1.1.8 Annual Report of Health Status of the workers with special reference to Occupational Health and Safety

Report of the latest conducted evaluation for the health status of the workers on the above mentioned parameters as per the age, sex, duration of exposure and department wise will be prepared. Annual health report is always reviewed for the facility and necessary actions are taken in the facility for maintaining the OHS.

NATURAL AND MAN-MADE CALAMITIES WHICH CAN LEAD TO EMERGENCY

Jharkhand is a disaster prone state where lightning, fire, road accidents etc. are very common. This state is historically affected by different types of Natural and Human Disasters. Some of the common Natural and Man-made disasters are listed in the **Table** given below:

1.1.9 Common Natural and Man-Made Disasters in Jharkhand

Natural Disasters	Man Made Disasters
<ul style="list-style-type: none">• Drought• Earthquake• Heat Wave• Lightning• Flood• Flash Flood• Cyclone	<ul style="list-style-type: none">• Mine Accidents• Industrial Accidents• Rail/ Road Accidents• Fire Accidents• Forest Fires

1.1.10 Earthquake

Jharkhand is slightly prone to earthquake as it lies in three earthquake prone zone according to the Disaster management Department of Jharkhand. Jharkhand falls under 2 zones, Zone II, III and IV. The Figure given below is the Earthquake Zonation Map of Jharkhand

.The project site falls under Seismic Zone III as per Indian Standard Seismic Zoning Map, where

there is a slight probability of earthquake that can be expected in the future. Emergency Recovery Plan has been considered by the emergency management team as per the situation in site conditions as follows:

Steps	Activity	Action By
Preparedness	Constitute Emergency Response Team <ul style="list-style-type: none"> • Identify ECC, if the identified ones are damaged • Control centers to be equipped with Alarming • Communication facilities • Emergency vehicles/ equipment • List of emergency contacts & suppliers • Medical facilities 	Plant Key Persons
Action during effective period	<ul style="list-style-type: none"> • Do not panic. Raise alarm • Avoid standing near to windows, external walls • Stand near the columns or duck under sturdy furniture. • Assemble at emergency assembly point as there maybe aftershock 	
Action after the effective period (Establish Emergency Control Center. Site Main Controller to direct all activities)	<ul style="list-style-type: none"> • Assess situation and initiate shut down of plants (if required) • Initiate search & rescue (if required) • Evacuation of people. • Recovery/ Rehabilitation Work • Medical care for the injured. Supply of food and drinking water. • Temporary shelters like tents, metal sheds etc. • Repairing lines of communication and information. • Restoring transport routes • Take head count • Activate emergency plan as situation demands • Assess damage 	Main Controller, Incident Controller, Site Incident Controller, Coordinators- Fire & Safety, Safety, Material and Medical

1.1.11 Floods

When intensity of rainfall increases there are chances of flood in Jharkhand. This can cause soil erosion, damage to properties and loss of life.

Mitigation Measures in the event of Flood

- Review all operations carefully to ensure that systems in jeopardy are taken care of or shut down.
- Ensure the readiness of first aiders, emergency vehicles, medical Centre, medicines etc.
- Metallic sheets, loose materials, empty drums and other light objects shall be properly secured.
- Do not touch electric lines.
- Stay away from the disaster area.
- Open all the drainage systems.

1.1.12 Lightning

Lightning has become a major treat to the villages in Jharkhand with no resources or infrastructure to protect them from them. Jharkhand is among six states in the country classified as highly sensitive to thunder and lightning by IMD.

Mitigation Measures in the event of Lightning

- Avoiding contact with plumbing or running water.
- Installation of surge protectors to protect the machines in the industries.
- Staying away from open spaces and tall structures.

DISASTER MANAGEMENT PLAN AND MITIGATION MEASURES

The objectives of DMP is to describe the company's emergency preparedness, organization, the resource availability and response actions applicable to deal with various types of situations that can occur at facility in shortest possible time.

Thus, the overall objectives of the emergency plan are summarized as:-

- Rapid control and containment of hazardous situation.
- Minimizing the risk and impact of event/ accident.
- Effective prevention of damage to property.

In order to achieve the objectives of emergency planning effectively, the critical elements that form the backbone of Disaster Management Plan (DMP) are:-

- Reliable and early detection of an emergency and immediate careful planning.
- The command, co-ordination and response organization structure along with availability of efficient trained personnel.
- The availability of resources for handling emergencies.
- Appropriate emergency response action.
- Effective notification and communication facilities.
- Regular review and updating DMP.
- Training of the concerned personnel.
- Steps taken for minimizing the effects may include rescue operations, first aid, evacuation, rehabilitation and communicating promptly to people living nearby.

1.1.13 Key Elements

A Basis of Plan

Hazard Identification necessitates preparation and planning of the prevention and methods by which accidental failure can be tackled without much damage to life. HAZID/HIRA and consequence analysis combines and requires planning for the following:

- Hazards from spread of fire or release of flammable from storage and process units
- Hazards due to formation of pressure waves due to vapour cloud explosion of flammable gases
- Hazards during handling of hot materials

B Emergency Planning and Response Procedure

The Emergency Response Plan is a procedure to deal with emergency and needs to be implemented immediately whenever there is a fire, explosion, or release of a hazardous substance etc. that threatens human health or the environment. The emergency response plan is reviewed and immediately amended whenever:

- The plan fails in an emergency
- The list of emergency contacts change
- The list of emergency equipment changes
- The facility modified its design, construction, operation, maintenance, or other circumstances in a way that increases the potential for fire, explosions, or release of a hazardous substance

C Incident Response Plan

It is the Frame work of addressing the emergency situation arose due to failure scenario.

- Incident Response Plan (IRP) and Emergency Preparedness Plan
- Incident Response Team (IRT)
- Emergency Response Team (ERT)
- Crisis Management Team (CMT)

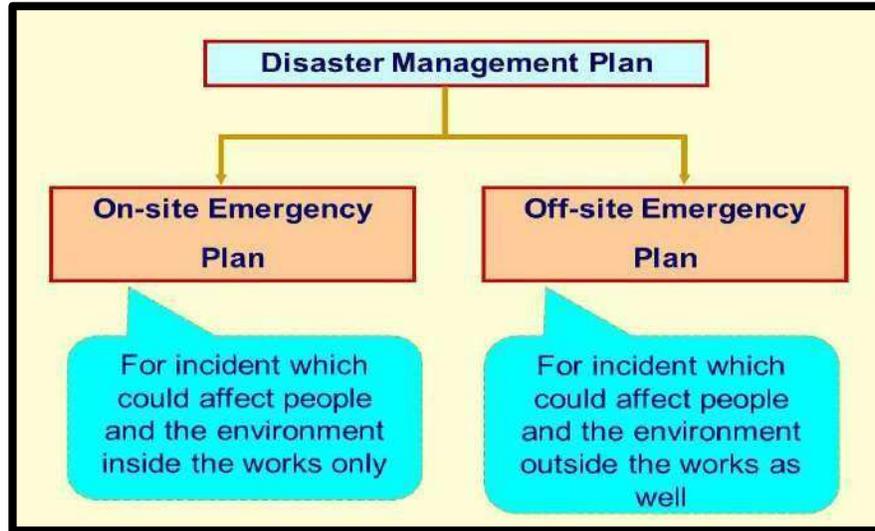


FIGURE 3 DISASTER MANAGEMENT PLAN CLASSIFICATION

1.1.14 On-Site Emergency Plan

Disaster management plan are prepared with an aim of taking precautionary step to control the hazard propagation, avert disaster, action taken after the disaster which limits the damage to the minimum and follow the on-site emergency planning.

The onsite emergency is an unpleasant situation that causes extensive damage to plant personnel and surrounding area and its environment due to in operation, maintenance, design and human error.

Following point are taken into consideration for the on-site emergency:

- To identify, assess and work out various kinds of possible hazards, their places, potential and damaging capacity.
- Review, revise, redesign, replace or reconstruct the process, plant, vessels and control measures if so assessed.
- Measures to protect persons and property of processing equipment in case of all kinds of accidents, emergencies and disasters
- To inform people and surroundings about emergency if it is likely to adversely affect them.
-

1.1.15 Disaster Control Management System M/s. Venkatesh Iron & Alloys India Limited.

Disaster Management group plays an important role in combating emergency in a systematic manner. Schematic representation Emergency Control Management system for the project plant is shown below

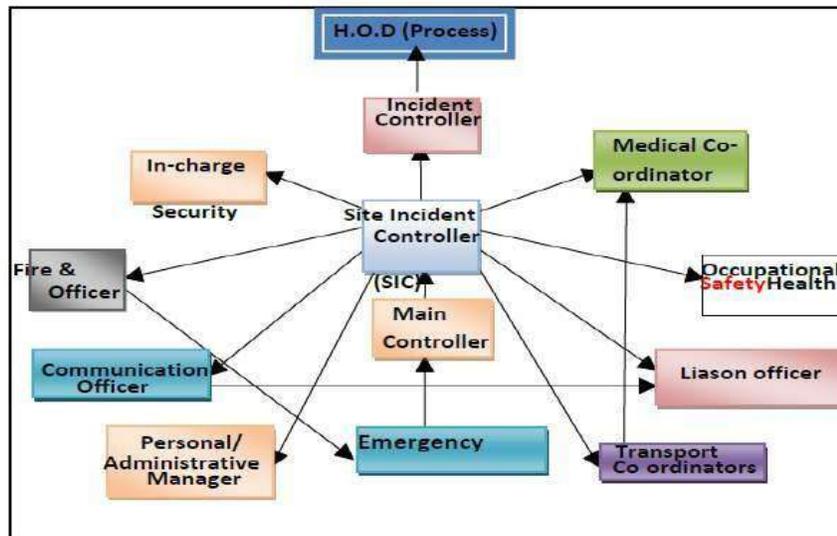


FIGURE 4 ONSITE DMP - DISASTER CONTROL / MANAGEMENT SYSTEM

1.1.16 Emergency Level Classification

During operational period, many near misses and small accidents may be happening at shop or floor level. To help industry the emergencies can be categorized into three broad

levels on the basis of seriousness and response requirements, namely:

(a) Level 1: This is an emergency or an incident which;

- Can be effectively and safely managed, and contained within the site, location or installation by the available resources;
- Has no impact outside the site, location or installation site of the machineries

(b) Level 2: This is an emergency or an incident which;

- Cannot be effectively and safely managed or contained at the location or installation by available resource and additional support is alerted or required.
- Is having or has the potential to have an effect beyond the site, location or installation and where external support of mutual aid partner may be involved;

- Is likely to be danger to life, environment or to industrial assets or reputation.

(c) Level 3: This is an emergency or an incident with off-site impact which could be catastrophic and is likely to affect the population, property and environment inside and outside the installation, and management and control is done by district administration. Although the Level-III emergency falls under the purview of District Authority but till they step in, it should be responsibility of the unit to manage the emergency.

1.1.17 Emergency Control Centre (ECC)

An Emergency Control Centre (ECC) is established from which emergency operations are directed and co-ordinated. Centre will be activated as soon as on-site emergency is declared. The ECC will consist of one room, located in an area that offers minimal risk being directly exposed to possible accidents. During an emergency, the Emergency Management Staff, including the main controller will gather in the ECC. Therefore, the ECC will be equipped with adequate communication systems in the form of telephones and other equipment to allow unhampered organization and other nearby facility personnel.

The ECC will provide shelter to its occupants against the most common accidents; in addition, the ECC's communication systems will be protected from possible shutdown. The ECC will have its own emergency lighting arrangement and electric communication. The ECC will always be ready for operation and provided with the equipment and supplies necessary during the emergency such as:

- Hazard identification chart
- All emergency response plans
- Population around factory
- Internal telephone connections and external telephone connections
- A list of key personnel, with addresses, telephone numbers, etc.
- Hotline connection to district collector, police control room, fire brigade, Hospital etc.
- Public address system (PAS)
- MSDS of all the materials used in plant site
- List of dispensaries and registered medical practitioners around factory
- Area map of surrounding villages
- Note pads and ball pens to record message received and instructions
- Updated copies of the On-site Disaster Management Plan
- Emergency telephone numbers
- The names, phone number, and address of external agencies, response organizations and neighbouring facilities

- The adequate number of telephone
- Emergency lights
- List of fire extinguishers with their type no. and location, capacity, etc
- Personal protective equipment(PPE)
- Safety helmets
- Several maps of the facility including drainage system for surrounding area showing:
- Areas where hazardous materials are stored
- Plant layout
- Plot plans of storage tanks, routes of pipelines, all water permanent lines etc.
- The locations where personal protective equipment are stored
- The position of pumping stations and other water sources
- Roads and plant entrances
- Assembly areas
- Layout of Hydrant lines

1.1.18 Roles and Responsibility

A team of following Essential persons shall be taking necessary action in case of emergency. The roles and responsibilities of these personnel are defined subsequently:

- Main Controller
- Site Incident Controller(SIC)
- Incident Controller (IC)
- Communication Officer
- Observer
- In-charge (Security)
- In-charge (Medical)
- Shift In-charge (Security)
- a) Main Controller

The Primary Controller is the employee who gives the first information about the incident/ accident. He will be responsible for:

- To inform the Security office (Main Gate), & Engineers/Sr. Engineers / Shift in charge/ HOD of section of the aforesaid Department/ Section from the nearest available telephone about the location and nature of incident.

- To assist rescue operation as well as clear obstruction, if any, in the same.
- To carry out all instructions from Incident Controller.

b) Site Incident controller (SIC)

The Unit Head shall have overall responsibility for the factory and its personnel. In absence of Unit Head, Chairman OHS Committee shall assume the responsibility of Site Controller. His duties during emergency shall be:

- To assess the magnitude of the situation and decide if employees need to be evacuated from assembly points.
- To give necessary instructions to Liaison Officer, HOD (HR&A) regarding the help to be obtained from outside agencies like Fire Brigade, Police and Medical.
- To advise Liaison Officer to pass on necessary information about the incident to News Media and ensure that the evidences are preserved for enquiry to be conducted by statutory authorities.

c) Incident Controller(IC)

- The HOD of affected department shall have overall responsibility for controlling the incident and directing the personnel. Section In charge of the affected department shall assume the responsibility of Incident Controller(IC) in the absence of HOD of affected department.
- To direct all operations` within the affected area with priorities for safety of personnel, to minimize damage to the Plant and environment and to minimize loss of material.
- To act as Site Controller till the later arrives.
- To advise and provide information to Fire Squad, Security Officer and Local Fire Services when they arrive.
- To ensure that all non-essential persons are sent to the assembly point.

d) Liaison Officer

He shall be responsible for: -

- To contact Fire Brigade, Police, and Medical facilities on intimation from Site Controller & arrange for the rescue operation.
- To inform relatives of the affected employee at the earliest.
- To arrange for additional transport if required.
- To arrange for relief of personnel & organize refreshment/catering facility, in case the duration of emergency is prolonged.
- To issue authorized statements to news media and ensure that evidence is preserved for enquiry to be conducted.

e) In-charge (Medical)

On receiving the information he will reach hospital immediately and take following actions:

- He will keep necessary first aid medicines and artificial respiration equipment ready.
- Inform doctors at other places to be ready, for attending serious injury, burn cases and food poisoning.

f) Observer

During Mock Drill for Emergency Situations they shall be placed at different locations in plant to note down the movement and action taken by people and give feed back to the Site Controller.

g) Communication Officer

In-Charge (Safety) shall act as Communication officer. He shall work from Control Centre and maintain communication between relevant personnel. He shall be responsible for: -

- To apprise the site controller of the situation, based on the information received, suggest the evacuation of personnel from assembly points, if needed.
- To arrange for suitable persons to act as runners/messengers in case of failure of communication system.
- To carry out any other works as assigned by Site Controller/Incident Controller.

h) In-charge - Security

- The In-charge (Security) shall guide the crew, according to the condition of emergency site, for the actions required to handle the emergency i.e. for fire- fighting, removal of debris, arresting of dust, removal of oil soaked earth etc.
- He shall render all help to incident controller to handle the emergency and carry out the work as assigned to him.
- He shall be responsible for ensuring the discipline at control points and for preventing the entry of unauthorized persons inside the affected area as well as inside the factory during emergency.

i) Shift In charge - Security

He shall be responsible for

- To arrange the necessary help as requested by Primary Controller.
- To inform in-charge (Security).
- To blow emergency siren, if instructed by the HOD/Incident Controller.
- To dispatch ambulance near accident area.

- To rush to the accident site with fire brigade along with available trained security persons.

1.1.19 Automatic Fire Detection System

Unattended vulnerable premises like electrical control rooms, cable tunnels, MCC, oil cellars, etc. will be provided with automatic fire detection and alarm systems.

1.1.20 Fire Station

The following equipment will be provided in the fire posts.

- Water tender
- Foam tender
- Portable pump
- Wireless set
- Hoses
- Hot line telephone

1.1.21 Alarm System

A hooter installed at the Security Office shall be blown alternately with high and low pitch for 2 minutes to indicate major emergency in the plant. In such case, all non-essential employees are expected to gather at assembly point i.e. Company's Main Gate/ Time Office. Signal for the clearance of emergency shall be given by blowing the hooter continuously for one minute.

1.1.22 First Aid

- The injured shall be shifted to nearby hospital, as per the opinion of the Medical Officer.
- A list of First Aid boxes is available in every department as mentioned in ECC
- Medical Officer shall ensure that refilling is done on monthly basis and he shall maintain a record of refilling.
- The names & contact numbers of trained First Aiders are provided the same is displayed at all the prominent locations in the premises.
- In case of injury caused due to Hazardous Chemicals, Material Safety Data Sheet (MSDS) available with the user department / Hospital shall be referred.

1.1.23 Mock Drill

For reviewing and assessing the level of preparedness, In-charge (Safety) shall conduct Mock trials twice in a year (one in each half) simulating the covered emergencies and will maintain records of the trials. Corrective and Preventive measures, if suggested/directed, will be initiated and relevant records of the same are maintained. Fire drills will be exercised once in every six months under the leadership of In-charge (Security). The records of Fire drill will be recorded & maintained. The findings of the mock drills shall be used for improvements in preparedness and

response. All team leaders shall be responsible for implementing the suggestions based on mock drill findings within reasonable time frame.

1.1.24 Training

On yearly basis class room training for fire-fighting and mitigating measures to be adopted to reduce environmental impact & OHS risks, will be imparted covering at least 20% employee by the In-charge (Safety) and In-charge (Security). The records of the same are maintained.

1.1.25 Evacuation Plan

To establish method of systematic, safe and orderly evacuation of all the occupants in case of fire or any emergency, in the least possible time, to a safe assembly point through nearest safe means of escape. Facility staff will be notified of evacuation by one or more of the following method(s):

- Verbal, Intercom, Portable Radio, Alarm, Other
- Notification to emergency services to ECC
- Staff will follow predetermined evacuation routes and assemble at designated areas.
- Evacuation maps must be displayed throughout the facility.
- Individuals responsible for coordinating evacuations must confirm the process

1.1.26 Off-Site Emergency Planning

The off-site emergency plan is an integral part of any hazard control system. It is based on those accidents identified by the works management, which could affect people and the environment outside the works. The roles of the various parties that may be involved in the implementation of an off-site plan are described below. The responsibility for the off-site plan will be likely to rest either with the works management or with the local authority. Schematic representation of various organization involved during emergency is shown below.

Either way, the plan must identify an emergency coordinating officer who would take overall command of the off-site activities. Consideration of evacuation may include the following factors:

- In the case of a major fire but without explosion risk (e.g. an oil storage tank), only houses close to the fire are likely to need evacuation
- If fire is escalating very fast it is necessary to evacuate people nearby as soon as possible

- In acute emergency people are advised to stay indoors and shield themselves from the fire.

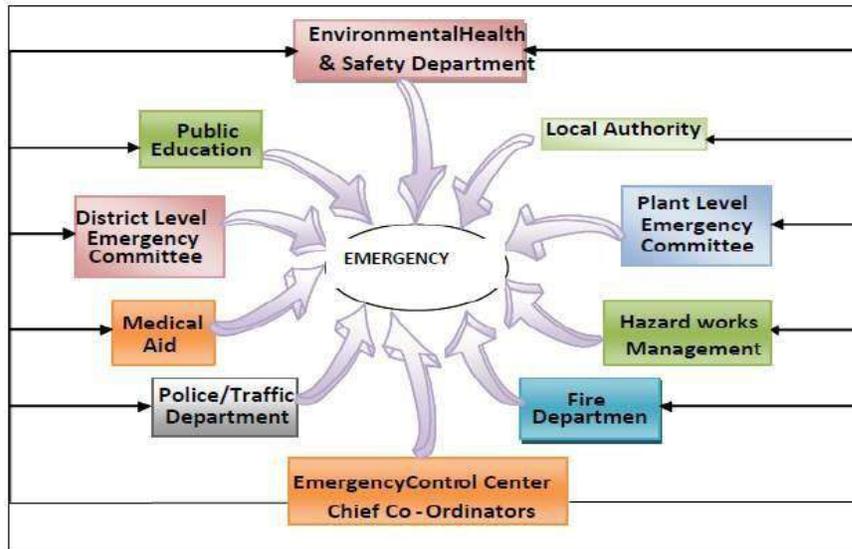


FIGURE 5 VARIOUS ORGANIZATIONS INVOLVED DURING EMERGENCY

1.1.27 Organization

Organizational details of command structure, warning systems, implementation procedures, emergency control centers include name and appointments of incident controller, site main controller, their deputies and other key personnel involved during emergency.

1.1.28 Communications

Identification of personnel involved, communication center, call signs, network, list of telephone numbers.

1.1.29 Special Emergency Equipment

Details of availability and location of heavy lifting gear, specified fire-fighting equipment, fireboats etc.

1.1.30 Voluntary Organizations

Details of voluntary organizations, telephone numbers nearby of hospitals, Emergency helpline, resources etc. are to be available with chief authorities.

1.1.31 Non-governmental Organizations (NGO)

NGO's could provide a valuable source of expertise and information to support emergency response efforts.

- Evacuation of personnel from the affected area
- Arrangements at rallying posts and parking yards

- Rehabilitation of evacuated persons

1.1.32 Chemical information

Details of the hazardous substances (MSDS information) and a summary of the risks associated with them will be made available at respective site.

1.1.33 Meteorological information

There is to be arrangements for obtaining details of weather conditions prevailing at before the time of accident and weather forecasts updates.

1.1.34 Humanitarian Arrangements

Transport, evacuation centers, emergency feeding, treatment of injured, first aid. Ambulances, temporary mortuaries.

1.1.35 Public Information

- Dealing with the media-press office
- Informing relatives, etc.

1.1.36 Assessment

- Collecting information on the causes of the emergency
- Reviewing the efficiency and effectiveness of all aspects of the emergency plan.

1.1.37 Role of local authority

Local Authorities like Panchayat, Sabha, Samity, municipalities can help in combating emergency situation after assessing the impact scenario in rescue phase.

1.1.38 Role of police

The police are to assist in controlling of the accident site, organizing evacuation and removing of any seriously injured people to hospitals.

- Co-ordination with the transport authorities, civil defence and home guards
- Co-ordination with army, navy, air force and state fire services
- Arrange for post mortem of dead bodies
- Establish communication centre with easy contact with ECC

1.1.39 Role of Fire Brigade

The fire brigade shall be organized to put out fires and provide assistance as required during emergency.

1.1.40 Media

- The media is to have ready and continuous access to designated officials with relevant information, as well as to other sources in order to provide essential and accurate

information to public throughout the emergency and to avoid commotion and confusion

- Efforts are made to check the clarity and reliability of information as it becomes available, and before it is communicated to public.
- Public health authorities are consulted when issuing statements to the media concerning health aspects of chemical accidents.
- Members of the media are to facilitate response efforts by providing means for informing the public with credible information about accidents.

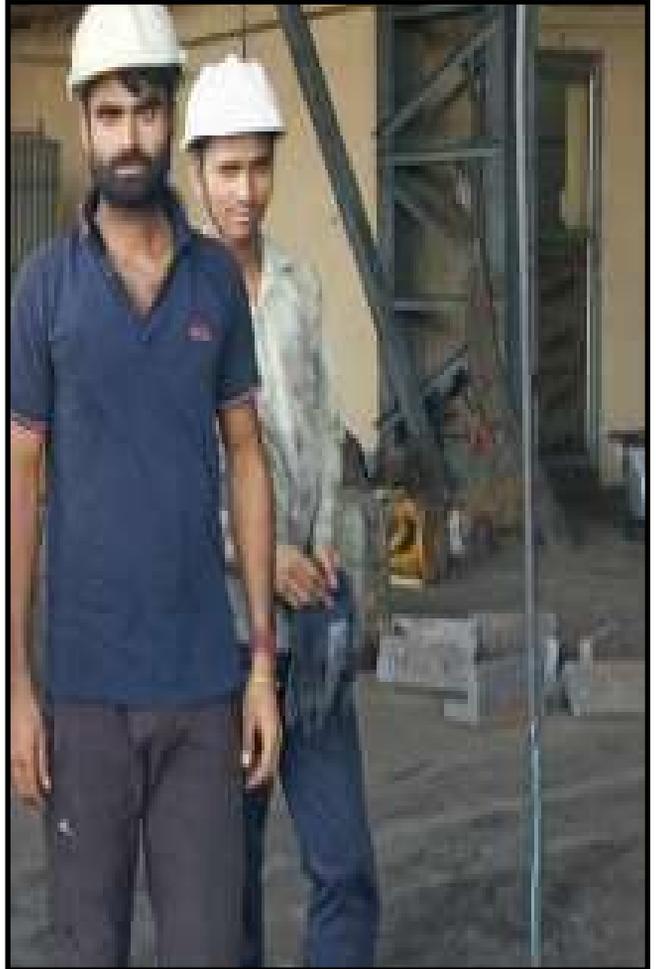
1.1.41 Role of health care authorities

- Hospitals and doctors shall be ready to treat injuries to casualties during emergency.
- Co-ordinate the activities of Primary Health Centres and Municipal Dispensaries to ensure required quantities of drugs and equipment.
- Securing assistance of medical and paramedical personnel from nearby hospitals/ institutions.
- Temporary mortuary and identification of dead bodies.

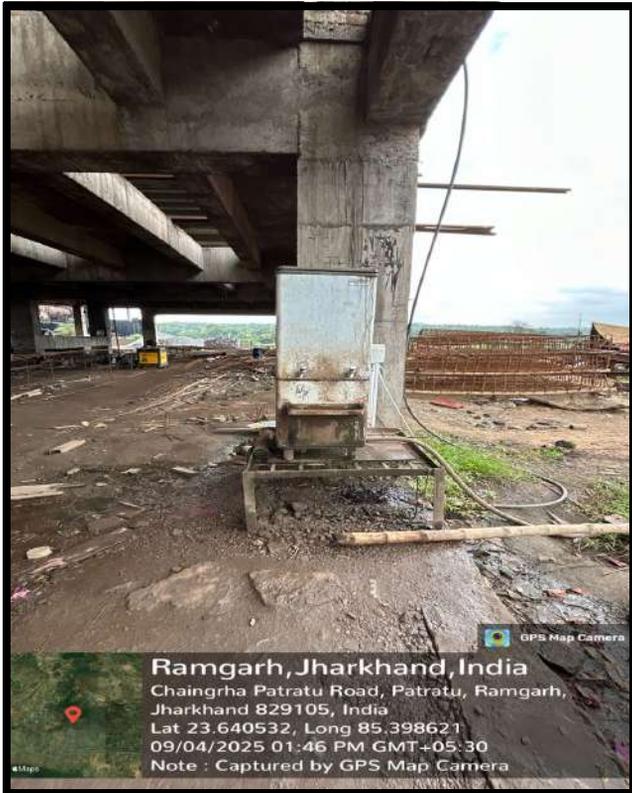
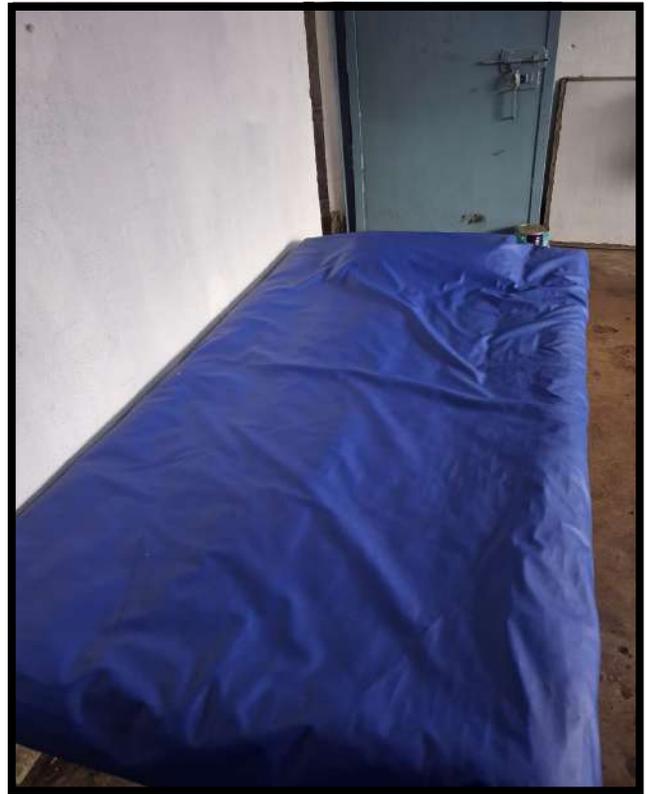
CONCLUSION

As discussed in above sections, adequate risk control measures for process needs to be considered for the proposed expansion or new proposed project activity is not likely to cause major significant risk to onsite, offsite & environment. Suitable Mitigation Measures will be taken by M/s. Venkatesh Iron & Alloys India Limited Sponge & Iron Company Private Limited to ensure complete workplace safety. In the event of disaster onsite, offsite and all the emergency planning procedures will be followed so as to minimize the impact on working personnel, plant surrounding and environment.

Annexure 14
Photographs of worker wearing PPE



Annexure 15
Photographs of facilities provided to
workers



Annexure 16
The medical health reports of workers



ERN 2014



PMF

Name: RAJU BEDIYA Age/Gender: 50 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By: DR S V I A L Client Name: ASHA PATHI LAB BHURKUNDA
Collection Date: 27-07-2024 15:11:00 Report Release Date: 27-07-2024 20:02:44
MOB :- 6200431598

No	Investigation	Observed Value	Unit	Biological Reference Interval
----	---------------	----------------	------	-------------------------------

Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.71	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.18	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.53	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	32.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	19.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	102.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	8.15	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.53	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.62	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.25	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	104.0	U/L	5 - 85



Scan For Report

CRM No :8227471
Sample Recd. Time: 27-07-2024 18:27
Report Time: 27-07-2024 20:02
Patient Name: RAJU BEDIYA
Patient ID: 8227471

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify
Page 1 of 2





Name:	RAJU BEDIYA	Age/Gender:	50 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHIA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	27-07-2024 15:11:00	Report Release Date:	27-07-2024 20:02:44

Sl. No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	16.26	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	1.0	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	34.8	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	16.26		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	7.28	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	9.45	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	83.92	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :8227471
Sample Recd. Time: 27-07-2024 18:27
Report Time: 27-07-2024 20:02
Patient Name: RAJU BEDIYA
Patient ID: 8227471

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify



Name: MR VIJENDRA KUMAR CHOUDHARY

Age/Gender: 37 Years/Male

Referred By: DR S V I A L

ASIJA PATHIO LAB BILURKUNDA
MOB :- 6200431598

Collection Date: 24-06-2024 13:41:00

Report Release Date: 24-06-2024 17:30:49

GD Wellness 1.2

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.59	mg/dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.16	mg/dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.43	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without PSP	23.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without PSP	23.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	33.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.71	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.44	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.27	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.36	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroamitide	14.0	U/L	5 - 85



CRM No :7958032
Sample Recd. Time: 24-06-2024 14:03
Report Time: 24-06-2024 17:30
Patient Name: MR VIJENDRA KUMAR CHOUDHARY
Patient ID: 7958032

Authorized Signatory
Dr. Manish Bamawal
MBBS MD (Path)





Name: MR VIJENDRA KUMAR CHOUDHARY Age/Gender: 37 Years/Male
 Referred By: DR S V I A L Client Name: ASHA PATIL LAB BIURKUNDA
 Collection Date: 24-06-2024 13:41:00 Report Release Date: 24-06-2024 17:30:49

GD Wellness I.2

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	11.4	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	1.14	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	10.00		4.0 - 21.5
4	Uric Acid Serum, Method: Uricense, UV	5.88	mg/dL	2.1 - 7.5
5	Calcium Serum, Method: O cresolphthalein complexone	7.93	mg/dL	8.5 - 10.5
6	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	76.69	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15
7	Urea Serum, Method: Urease-GLDH	24.4	mg/dL	7 - 40

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.



CRM No :7958032
 Sample Recd. Time: 24-06-2024 14:03
 Report Time: 24-06-2024 17:30
 Patient Name: MR VIJENDRA KUMAR CHOUDHARY
 Patient ID: 7958032

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





Name: MR MANOJ SAHNI **Age/Gender:** 50 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By: DR S V I AL **Client Name:** ASHA PATHO LAB BHURKUNDA
 MOB :- 6200431598
Collection Date: 21-06-2024 15:38:00 **Report Release Date:** 21-06-2024 20:38:58

No.	Investigating	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.8	mg/dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.22	mg/dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.58	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without PSP	47.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without PSP	19.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	33.6	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	8.53	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.39	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	4.14	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.06	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroamide	15.0	U/L	5 - 85



CRM No : 7937547
 Sample Recd. Time: 21-06-2024 18:04
 Report Time: 21-06-2024 20:38
 Patient Name: MR MANOJ SAHNI
 Patient ID: 7937547

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Name: MR MANOJ SAHNI Age/Gender: 50 Year(s) 0 Month(s) 0 Day(s)/Male
 Referred By: DR S V I A L Client Name: ASHA PATIL LAB BIHURKUNDA
 Collection Date: 21-06-2024 15:38:00 Report Release Date: 21-06-2024 20:38:58



No. Investigation

Unit

Biological Reference Interval

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated		4.0 - 21.5
4	Urea Serum, Method: Urease-GLDH	mg/dL	7 - 40
5	Uric Acid Serum, Method: Uricase, UV	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	mL/min/1.73 m ²	105.51

Normal: > 90
 Mild decrease in GFR: 60-89
 Moderate decrease in GFR: 30-59
 Severe decrease in GFR: 15-29
 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End of Report



CRM No : 7937547
 Sample Recd. Time: 21-06-2024 18:04
 Report Time: 21-06-2024 20:38
 Patient Name: MR MANOJ SAHNI
 Patient ID: 7937547

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





Name:	SUBHASH BEDIYA	Age/Gender:	40 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHIA PATHO LAB BHIURKUNDA MOB :- 6200431598
Collection Date:	24-06-2024 16:02:00	Report Release Date:	24-06-2024 18:02:35

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.77	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.12	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.65	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	47.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	42.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	35.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.88	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.13	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.75	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.10	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	21.0	U/L	5 - 85



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CRM No :7959796
 Sample Recd. Time: 24-06-2024 17:14
 Report Time: 24-06-2024 18:02
 Patient Name: SUBHASH BEDIYA
 Patient ID: 7959796

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify





Name: SUBHASH BEDIYA **Age/Gender:** 40 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By: DR S V I A L **Client Name:** ASHA PATHO LAB BHURKUNDA
Collection Date: 24-06-2024 16:02:00 **Report Release Date:** 24-06-2024 18:02:35
MOB :- 6200431598

Sl. No.	Investigation	Observed Value	Unit	Reference Ranges/Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	14.02	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.87	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	16.11		4.0 - 21.5
4	Urea Serum, Method: Urease-GLDH	30.0	mg/dL	7 - 40
5	Uric Acid Serum, Method: Uricase, UV	5.15	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.8	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	103.11	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :7959796
 Sample Recd. Time: 24-06-2024 17:14
 Report Time: 24-06-2024 18:02
 Patient Name: SUBHASH BEDIYA
 Patient ID: 7959796

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



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Page 2 of 2



Name: MR ALLAUDDIN ANSARI
Referred By: DR S V I A L
Collection Date: 24-06-2024 14:10:00

Age/Gender: Client Name:
Report Release Date:

48 Year(s) 0 Month(s) 0 Day(s)/Male
ASIA PATTILO LAB BIHURKUNDA
MOB :- 6200431598
24-06-2024 15:17:10

General Diagnostic Ranchi

Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.52	mg/dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.07	mg/dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.45	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without PSP	43.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without PSP	36.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	71.0	U/L	30 - 130
7	Total Protein Serum, Method: Buret end point	7.79	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.47	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.32	g/dL	1.9-3.9
10	A/G Ratio Serum, Method: Calculated	1.35	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	24.0	U/L	5 - 85



CRM No.:7958456
Sample Recd. Time: 24-06-2024 14:13
Report Time: 24-06-2024 15:17
Patient Name: MR ALLAUDDIN ANSARI
Patient ID: 7958456

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)





Name: MR ALLAUDDIN ANSARI Age/Gender: 48 Year(s) 0 Month(s) 0 Day(s)/Male
 Referred By: DR S V I A L Client Name: ASHA PATHIO LAB BHIURKUNDA
 MOB :- 6200431598
 Collection Date: 24-06-2024 14:10:00 Report Release Date: 24-06-2024 15:17:10

Investigations	Observed Value	Unit	Multiple Reference Interval
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Kidney Profile

1 BUN (Blood Urea Nitrogen) Serum, Method: Calculated	14.63	mg/dL	3.3 - 18.7
2 Creatinine Serum, Method: Alkaline picrate kinetic	0.9	mg/dL	0.5 - 1.3
3 Urea Serum, Method: Urease-GLDH	31.3	mg/dL	7 - 40
4 BUN/Creatinine ratio Serum, Method: Calculated	16.26		4.0 - 21.5
5 Uric Acid Serum, Method: Uricase, UV	4.77	mg/dL	2.1 - 7.5
6 Calcium Serum, Method: O cresolphthalein complexone	9.03	mg/dL	8.5 - 10.5
7 eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	95.56	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



CRM No :7958456
 Sample Recd. Time: 24-06-2024 14:13
 Report Time: 24-06-2024 15:17
 Patient Name: MR ALLAUDDIN ANSARI
 Patient ID: 7958456

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





Name: MR SHRAWAN KUMAR THAKUR **Age/Gender:** 50 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By: DR S V I A L **Client Name:** ASHA PATHO LAB BIJURKUNDA
Collection Date: 20-06-2024 16:54:00 **Report Release Date:** 20-06-2024 20:02:14
MOB :- 6200431598

Biological Reference Interval

Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.78	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.14	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.64	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	29.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	24.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	33.9	U/ L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.49	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.47	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.02	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.48	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroamide	23.0	U/ L	5 - 85



CRM No : 7930630

Sample Recd. Time: 20-06-2024 18:30

Report Time: 20-06-2024 20:02

Patient Name: MR SHRAWAN KUMAR THAKUR

Patient ID: 7930630

Authorized Signatory
Dr. Manish Bamawal
MBBS MD (Path)



Name:	MR SHRAWAN KUMAR THAKUR	Age/Gender:	50 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHI LAB BHURKUNDA MOB :- 6200431598
Collection Date:	20-06-2024 16:54:00	Report Release Date:	20-06-2024 20:02:14

Investigation **Observed value** **Unit** **Physiological Reference Interval**

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	9.49	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.7	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	13.56		4.0 - 21.5
4	Urea Serum, Method: Urease-GLDH	20.3	mg/dL	7 - 40
5	Uric Acid Serum, Method: Uriase, UV	4.54	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.9	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	126.65	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



CRM No : 7930630
 Sample Recd. Time: 20-06-2024 18:30
 Report Time: 20-06-2024 20:02
 Patient Name: MR SHRAWAN KUMAR THAKUR
 Patient ID: 7930630

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





Name:	RANJEET KUMAR	Age/Gender:	47 Years/Male
Referred By:	DR FROM S V I A L	Client Name:	ASHA PATHI LAB BIURKUNDA MOB :- 6200431598
Collection Date:	19-06-2024 16:20:00	Report Release Date:	19-06-2024 21:34:15

GD Wellness 1.2

Sr.	Investigation	Observed Value	Unit	Biological Reference Interval
Liver Function Test				
1	Bilirubin Total Serum, Method: Jendrassik Grof	0.55	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.12	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.43	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	64.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	86.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	31.2	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.36	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.66	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	2.7	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.73	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	37.0	U/L	5 - 85



Scan For Report

CRM No :7923001
Sample Recd. Time: 19-06-2024 17:53
Report Time: 19-06-2024 21:34
Patient Name: RANJEET KUMAR
Patient ID: 7923001

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify

Page 3 of 8



... LTD.
 ... Main Road,
 Showroom,
 ... 834005
 ... 91 9871715111



Name:	RANJEET KUMAR	Age/Gender:	47 Years/Male
Referred By:	DR FROM S V I A L	Client Name:	ASHA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	19-06-2024 16:20:00	Report Release Date:	19-06-2024 21:34:15

GD Wellness 1.2

No.	Test/Parameter	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	9.16	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.99	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	9.25		4.0 - 21.5
4	Uric Acid Serum, Method: Uricase, UV	5.79	mg/dL	2.1 - 7.5
5	Calcium Serum, Method: O cresolphthalein complexone	7.89	mg/dL	8.5 - 10.5
6	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	85.97	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15
7	Urea Serum, Method: Urease-GLDH	19.6	mg/dL	7 - 40

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.



Scan For Report

CRM No :7923001
 Sample Recd. Time: 19-06-2024 17:53
 Report Time: 19-06-2024 21:34
 Patient Name: RANJEET KUMAR
 Patient ID: 7923001

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify



Name: MR MANSUR ANSARI **Age/Gender:** 59 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By: DR S V I A L **Client Name:** ASHA PATIHO LAB BHURKUNDA
Collection Date: 21-06-2024 15:47:00 **Report Release Date:** 21-06-2024 20:10:59

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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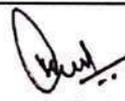
Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.48	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.11	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.37	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	38.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	32.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	30.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.02	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	3.87	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.15	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.23	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	14.0	U/L	5 - 85



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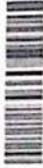
CRM No : 7937626
Sample Recd. Time: 21-06-2024 18:00
Report Time: 21-06-2024 20:10
Patient Name: MR MANSUR ANSARI
Patient ID: 7937626



Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify



Name:	MR MANSUR ANSARI	Age/Gender:	59 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATIIO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	21-06-2024 15:47:00	Report Release Date:	21-06-2024 20:10:59

Test Name	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	14.25	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.75	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	19.00		4.0 - 21.5
4	Urea Serum, Method: Urease-GLDH	30.5	mg/dL	7 - 40
5	Uric Acid Serum, Method: Uricase, UV	4.24	mg/ dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	8.3	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	113.09	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :7937626
 Sample Recd. Time: 21-06-2024 18:00
 Report Time: 21-06-2024 20:10
 Patient Name: MR MANSUR ANSARI
 Patient ID: 7937626

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify

Name: MR SANENATH MAHTO **Age/Gender:** 52 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By: DR S V I A L **Client Name:** ASHA PATHO LAB BITURKUNDA
Collection Date: 20-06-2024 16:50:00 **Report Release Date:** 20-06-2024 20:02:15

No	Investigating	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.55	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.11	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.44	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	33.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	27.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	34.6	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.7	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.25	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.45	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.23	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	22.0	U/L	5 - 85



Scan For Report

CRM No :7930611
Sample Recd. Time: 20-06-2024 18:30
Report Time: 20-06-2024 20:02
Patient Name: MR SANENATH MAHTO
Patient ID: 7930611

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify





Name: MR SANENATH MAHTO Age/Gender: 52 Year(s) 0 Month(s) 0 Day(s)/Male
 Referred By: DR S V I A L Client Name: ASHA PATHI LAB BHURKUNDA
 Collection Date: 20-06-2024 16:50:00 Report Release Date: 20-06-2024 20:02:15
 MOB :- 6200431598

No.	Investigation	Result of Value	Unit	Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	12.8	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.74	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	17.30		4.0 - 21.5
4	Urea Serum, Method: Urease-GLDH	27.4	mg/dL	7 - 40
5	Uric Acid Serum, Method: Uricase, UV	4.54	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	8.1	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	117.84	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :7930611
 Sample Recd. Time: 20-06-2024 18:30
 Report Time: 20-06-2024 20:02
 Patient Name: MR SANENATH MAHTO
 Patient ID: 7930611

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



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EQAS

ISO

PMF



Name:	RAJU MIRDA	Age/Gender:	42 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BIHURKUNDA MOB :- 6200431598
Collection Date:	17-06-2024 17:10:00	Report Release Date:	17-06-2024 18:28:59

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	1.17	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.29	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.88	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	33.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	19.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	36.2	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.61	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.55	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.06	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.49	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	14.0	U/L	5 - 85



CRM No : 7908296
 Sample Recd. Time: 17-06-2024 17:35
 Report Time: 17-06-2024 18:28
 Patient Name: RAJU MIRDA
 Patient ID: 7908296

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





Name:	RAJU MIRDA	Age/Gender:	42 Year(s) 0 Month(s) 0 Day(s) Male
Referred By:	DR S V J A L	Client Name:	ASHA PATIL LAB BIHURKUNDA MOB :- 6200431598
Collection Date:	17-06-2024 17:10:00	Report Release Date:	17-06-2024 18:28:59

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	5.19	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.81	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	11.1	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	6.41		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	5.52	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.95	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	110.88	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



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CRM No :7908296
 Sample Recd. Time: 17-06-2024 17:35
 Report Time: 17-06-2024 18:28
 Patient Name: RAJU MIRDA
 Patient ID: 7908296

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



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Name:	SHAILES BEDIA	Age/Gender:	45 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR FROM S V I A L	Client Name:	ASHA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	19-06-2024 16:22:00	Report Release Date:	19-06-2024 20:47:47

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	1.72	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.46	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	1.26	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	37.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	41.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	36.2	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.17	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.53	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	2.64	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.72	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	54.0	U/L	5 - 85



Scan For Report

CRM No :7923018
 Sample Recd. Time: 19-06-2024 17:55
 Report Time: 19-06-2024 20:47
 Patient Name: SHAILES BEDIA
 Patient ID: 7923018

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



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 Page 1 of



Name:	SHAILES BEDIA	Age/Gender:	45 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR FROM S V I A L	Client Name:	ASHA PATHO LAB BIURKUNDA MOB :- 6200431598
Collection Date:	19-06-2024 16:22:00	Report Release Date:	19-06-2024 20:47:47

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	12.71	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.91	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	13.97		4.0 - 21.5
4	Urea Serum, Method: Urease-GLDH	27.2	mg/dL	7 - 40
5	Uric Acid Serum, Method: Uricase, UV	5.1	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.6	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	95.59	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No : 7923018
Sample Recd. Time: 19-06-2024 17:55
Report Time: 19-06-2024 20:47
Patient Name: SHAILES BEDIA
Patient ID: 7923018

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



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Name:	NIRMAL BEDIA	Age/Gender:	40 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR SVIAL	Client Name:	ASHA PATHO LAB BIHURKUNDA MOB :- 6200431598
Collection Date:	26-06-2024 17:16:00	Report Release Date:	26-06-2024 20:26:17

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.42	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.1	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.32	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	38.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	31.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	35.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.88	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.44	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.44	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.29	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	28.0	U/L	5 - 85



Scan For Report

CRM No :7978163
Sample Recd. Time: 26-06-2024 18:27
Report Time: 26-06-2024 20:26
Patient Name: NIRMAL BEDIA
Patient ID: 7978163

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



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Page 1 of 1



Name: NIRMAL BEDIA
Age/Gender: 40 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By: DR SVIAL
Client Name: ASHA PATHO LAB BHURKUNDA
Collection Date: 26-06-2024 17:16:00
MOB :- 6200431598
Report Release Date: 26-06-2024 20:26:17

Kidney Profile

Sl. No.	Parameter	Value	Unit	Reference Range
1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	13.04	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	1.15	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	27.9	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	11.34		4.0 - 21.5
5	Uric Acid Serum, Method: Urease, UV	5.13	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.9	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	74.73	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No : 7978163
Sample Recd. Time: 26-06-2024 18:27
Report Time: 26-06-2024 20:26
Patient Name: NIRMAL BEDIA
Patient ID: 7978163

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



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Page 2 of 2





Name:	MR RAJENDRA BEDIA	Age/Gender:	40 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BHURKUNDA MOB - 6200431598
Collection Date:	22-06-2024 16:48:00	Report Release Date:	22-06-2024 20:17:10

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.51	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.14	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.37	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	59.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	64.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	32.3	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.17	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.25	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	2.92	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.46	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	15.0	U/L	5 - 85



Scan For Report

CRM No : 7946139
Sample Recd. Time: 22-06-2024 18:19
Report Time: 22-06-2024 20:17
Patient Name: MR RAJENDRA BEDIA
Patient ID: 7946139

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify

Page 1 of 2





Name: MR RAJENDRA BEDIA Age/Gender: 40 Year(s) 0 Month(s) 0 Day(s)/Male
 Referred By: DR S V I A L Client Name: ASHA PATHO LAB BHURKUNDA
 Collection Date: 22-06-2024 16:48:00 Report Release Date: 22-06-2024 20:17:10
 MOB :- 6200431598

Parameter	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1 BUN (Blood Urea Nitrogen) Serum, Method: Calculated	4.91	mg/dL	3.3 - 18.7
2 Creatinine Serum, Method: Alkaline picrate kinetic	0.71	mg/dL	0.5 - 1.3
3 BUN/Creatinine ratio Serum, Method: Calculated	6.92		4.0 - 21.5
4 Urea Serum, Method: Urease-GLDH	10.5	mg/dL	7 - 40
5 Uric Acid Serum, Method: Uricase, UV	5.17	mg/dL	2.1 - 7.5
6 Calcium Serum, Method: O cresolphthalein complexone	7.95	mg/dL	8.5 - 10.5
7 eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	130.37	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



CRM No :7946139
 Sample Recd. Time: 22-06-2024 18:19
 Report Time: 22-06-2024 20:17
 Patient Name: MR RAJENDRA BEDIA
 Patient ID: 7946139

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





Name:	MR MANIR ANSARI	Age/Gender:	36 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BIHURKUNDA MOB :- 6200431598
Collection Date:	15-07-2024 15:12:00	Report Release Date:	15-07-2024 20:44:50

Sl. No.	Investigation	Reference Range	Unit	Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.36	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.07	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.29	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	62.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	73.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	95.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.85	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.85	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.0	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.62	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	36.0	U/L	5 - 85



CRM No :8128550
 Sample Recd. Time: 15-07-2024 18:58
 Report Time: 15-07-2024 20:44
 Patient Name: MR MANIR ANSARI
 Patient ID: 8128550

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



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 Page 1 of 2



Name:	MR MANIR ANSARI	Age/Gender:	36 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHIA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	15-07-2024 15:12:00	Report Release Date:	15-07-2024 20:44:50

Investigation **Quant. or Qual.** **Unit** **Biological Reference Interval**

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	15.47	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	1.43	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	33.1	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	10.82		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	4.14	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.82	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	59.37	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :8128550
 Sample Recd. Time: 15-07-2024 18:58
 Report Time: 15-07-2024 20:44
 Patient Name: MR MANIR ANSARI
 Patient ID: 8128550

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify



Name:	AMAR CHAKRVARTI	Age/Gender:	59 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BIURKUNDA MOB :- 6200431598
Collection Date:	24-06-2024 13:46:00	Report Release Date:	24-06-2024 15:11:20

No.	Parameter	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.49	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.1	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.39	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	36.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	38.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	34.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.92	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.49	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.43	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.31	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	86.0	U/L	5 - 85



CRM No :7958088
 Sample Recd. Time: 24-06-2024 14:06
 Report Time: 24-06-2024 15:11
 Patient Name: AMAR CHAKRVARTI
 Patient ID: 7958088

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify





Name:	AMAR CHAKRVARTI	Age/Gender:	59 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	24-06-2024 13:46:00	Report Release Date:	24-06-2024 15:11:20

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	10.42	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	1.33	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	22.3	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	7.83		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	6.09	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.6	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	58.39	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :7958088
 Sample Recd. Time: 24-06-2024 14:06
 Report Time: 24-06-2024 15:11
 Patient Name: AMAR CHAKRVARTI
 Patient ID: 7958088

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify



Name:	MUBRAK HUSSAIN	Age/Gender:	49 Year(s) 0 Month(s) 0 Day(s) Male
Referred By:	DR SVIAL	Client Name:	ASHA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	15-07-2024 15:15:00	Report Release Date:	15-07-2024 20:14:37

Sr.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.61	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.14	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.47	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	24.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	17.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	103.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.87	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.67	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.2	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.46	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	25.0	U/L	5 - 85



CRM No :8128581
 Sample Recd. Time: 15-07-2024 18:58
 Report Time: 15-07-2024 20:14
 Patient Name: MUBRAK HUSSAIN
 Patient ID: 8128581

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





Name:	MUBRAK HUSSAIN	Age/Gender:	49 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR SVIAL	Client Name:	ASHA PATHO LAB BIHURKUNDA MOB :- 6200431598
Collection Date:	15-07-2024 15:15:00	Report Release Date:	15-07-2024 20:14:37

System: Immunology Chemistry & Hematology Clinical Microbiology Biological Reference Interval

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	10.7	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.95	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	22.9	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	11.26		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	2.04	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	9.86	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	89.40	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :8128581
 Sample Recd. Time: 15-07-2024 18:58
 Report Time: 15-07-2024 20:14
 Patient Name: MUBRAK HUSSAIN
 Patient ID: 8128581

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



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Name:	MR MANO NEET KUMAR SINGH	Age/Gender:	40 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR SELF	Client Name:	ASHIA PATHOLOGY
Collection Date:	17-07-2024 17:15:00	Report Release Date:	17-07-2024 20:08:20

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	1.14	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.18	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.96	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	47.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	42.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	100.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	8.22	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.83	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	3.39	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.42	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	75.0	U/L	5 - 85



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CRM No :8148046
 Sample Recd. Time: 17-07-2024 18:28
 Report Time: 17-07-2024 20:08
 Patient Name: MR MANO NEET KUMAR SINGH
 Patient ID: 8148046

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify

Name:	MR MANO NEET KUMAR SINGH	Age/Gender:	40 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR SELF	Client Name:	ASHA PATHOLOGY
Collection Date:	17-07-2024 17:15:00	Report Release Date:	17-07-2024 20:08:20

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	10.33	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.87	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	22.1	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	11.87		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	8.15	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	9.13	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	103.11	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :8148046
 Sample Recd. Time: 17-07-2024 18:28
 Report Time: 17-07-2024 20:08
 Patient Name: MR MANO NEET KUMAR SINGH
 Patient ID: 8148046

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



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Page 2 of 2

Name:	MR RAJANAND SINGH	Age/Gender:	34 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHOLOGY
Collection Date:	17-07-2024 17:21:00	Report Release Date:	17-07-2024 20:22:29

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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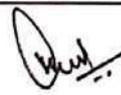
Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	0.68	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.13	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.55	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	23.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	25.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	37.3	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.15	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.18	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	2.97	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.41	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	13.0	U/L	5 - 85



Scan For Report

CRM No :8148097
Sample Recd. Time: 17-07-2024 18:28
Report Time: 17-07-2024 20:22
Patient Name: MR RAJANAND SINGH
Patient ID: 8148097



Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify



Name:	MR RAJANAND SINGH	Age/Gender:	34 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHOLOGY
Collection Date:	17-07-2024 17:21:00	Report Release Date:	17-07-2024 20:22:29

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	7.29	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.71	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	15.6	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	10.27		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	6.1	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	7.3	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	134.74	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



CRM No :8148097
Sample Recd. Time: 17-07-2024 18:28
Report Time: 17-07-2024 20:22
Patient Name: MR RAJANAND SINGH
Patient ID: 8148097

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)





Name:	RANDHIR KUMAR	Age/Gender:	29 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S VAIL	Client Name:	ASHA PATHOLOGY
Collection Date:	17-07-2024 17:18:00	Report Release Date:	17-07-2024 20:08:25

No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	1.2	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.2	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	1.0	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	30.0	U/ L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	41.0	U/ L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	101.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.52	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.85	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	2.67	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.82	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl coxy nitroanilide	56.0	U/L	5 - 85



Scan For Report

CRM No :8148072
 Sample Recd. Time: 17-07-2024 18:28
 Report Time: 17-07-2024 20:08
 Patient Name: RANDHIR KUMAR
 Patient ID: 8148072

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify





Name:	RANDHIR KUMAR	Age/Gender:	29 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S VAIL	Client Name:	ASHA PATHOLOGY
Collection Date:	17-07-2024 17:18:00	Report Release Date:	17-07-2024 20:08:25

Sl. No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	10.19	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.96	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	21.8	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	10.61		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	6.6	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	9.42	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	98.25	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :8148072
 Sample Recd. Time: 17-07-2024 18:28
 Report Time: 17-07-2024 20:08
 Patient Name: RANDHIR KUMAR
 Patient ID: 8148072

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify



Name:	MR TINKU KUMAR RAM	Age/Gender:	35 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHIO LAB BITURKUNDA MOB :- 6200431598
Collection Date:	19-07-2024 16:12:00	Report Release Date:	19-07-2024 19:52:03

No.	Test Name	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	1.44	mg/ dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazotization	0.24	mg/ dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	1.2	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	39.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	44.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP – pNPP Kinetic	62.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.29	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.51	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	2.78	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.62	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	19.0	U/L	5 - 85



Scan For Report

CRM No :8163606
 Sample Recd. Time: 19-07-2024 18:40
 Report Time: 19-07-2024 19:52
 Patient Name: MR TINKU KUMAR RAM
 Patient ID: 8163606

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify



FRNDIA



PMF



PMF



Name:	MR TINKU KUMAR RAM	Age/Gender:	35 Year(s) 0 Month(s) 0 Day(s)/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	19-07-2024 16:12:00	Report Release Date:	19-07-2024 19:52:03

Sl. No.	Investigation	Observed Value	Unit	Biological Reference Interval
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Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	10.09	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.95	mg/dL	0.5 - 1.3
3	Urea Serum, Method: Urease-GLDH	21.6	mg/dL	7 - 40
4	BUN/Creatinine ratio Serum, Method: Calculated	10.62		4.0 - 21.5
5	Uric Acid Serum, Method: Uricase, UV	5.54	mg/dL	2.1 - 7.5
6	Calcium Serum, Method: O cresolphthalein complexone	9.06	mg/dL	8.5 - 10.5
7	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	95.72	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.

End Of Report



Scan For Report

CRM No :8163606
Sample Recd. Time: 19-07-2024 18:40
Report Time: 19-07-2024 19:52
Patient Name: MR TINKU KUMAR RAM
Patient ID: 8163606

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify



Name:	MIR SANJAY KUMAR SINGH	Age/Gender:	55 Years/Male
Referred By:	DR SELF	Client Name:	ASHA PATIL LAB BHURKUNDA MOB :- 6200431598
Collection Date:	01-07-2024 12:32:00	Report Release Date:	01-07-2024 18:02:15

GD Wellness 1.2

Investigations	Observed Value	Ref	Method of Reference Interval
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Liver Function Test

1	Bilirubin Total Serum, Method: Jendrassik Grof	1.13	mg/dL	0.2-1.2
2	Bilirubin Direct Serum, Method: Diazoization	0.3	mg/dL	0.01 - 0.4
3	Bilirubin Indirect Serum, Method: Calculated	0.83	mg/dL	0.01-1.0
4	Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	23.0	U/L	<50
5	Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	30.0	U/L	<50
6	Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	35.0	U/L	30 - 130
7	Total Protein Serum, Method: Biuret end point	7.34	g/dL	6.4 - 8.2
8	Albumin Serum, Method: Bromocresol Purple (BCP)	4.49	g/dL	3.4 - 5
9	Globulin Serum, Method: Calculated	2.85	g/dL	1.9-3.9
10	A/G ratio Serum, Method: Calculated	1.58	Ratio	1.0 - 2.0
11	Gamma GT Serum, Method: G glutamyl carboxy microamide	14.0	U/L	5 - 85



CRM No :8012388
 Sample Recd. Time: 01-07-2024 15:11
 Report Time: 01-07-2024 18:02
 Patient Name: MR SANJAY KUMAR SINGH
 Patient ID: 8012388

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)





ERNDIM



PMF



PMF

Name:	MR SANJAY KUMAR SINGH	Age/Gender:	55 Years/Male
Referred By:	DR SELF	Client Name:	ASHIA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	01-07-2024 12:32:00	Report Release Date:	01-07-2024 18:02:15

GD Wellness 1.2

No.	Investigation	Observed Value	Unit	Biological Reference Interval
-----	---------------	----------------	------	-------------------------------

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	15.0	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	0.98	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	15.31		4.0 - 21.5
4	Uric Acid Serum, Method: Uricase, UV	6.7	mg/dL	2.1 - 7.5
5	Calcium Serum, Method: O cresolphthalein complexone	7.5	mg/dL	8.5 - 10.5
6	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	84.25	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15
7	Urea Serum, Method: Urease-GLDH	32.1	mg/dL	7 - 40

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.



Scan For Report

CRM No :8012388
 Sample Recd. Time: 01-07-2024 15:11
 Report Time: 01-07-2024 18:02
 Patient Name: MR SANJAY KUMAR SINGH
 Patient ID: 8012388

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify

Page 4 of 8





Name:	MR JITENDRA KUMAR CHOUDHARY	Age/Gender:	40 Years/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	24-06-2024 13:43:00	Report Release Date:	24-06-2024 17:54:01

GD Wellness 1.2

Investigation	Observed Value	Unit	Biological Reference Interval
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Liver Function Test

1 Bilirubin Total Serum, Method: Jendrasik Grof	0.41	mg/dL	0.2-1.2
2 Bilirubin Direct Serum, Method: Diazotization	0.08	mg/dL	0.01 - 0.4
3 Bilirubin Indirect Serum, Method: Calculated	0.33	mg/dL	0.01-1.0
4 Aspartate Transaminase (AST/SGOT) Serum, Method: IFCC without P5P	26.0	U/L	<50
5 Alanine Transaminase (ALT/SGPT) Serum, Method: IFCC without P5P	22.0	U/L	<50
6 Alkaline Phosphatase Serum, Method: AMP - pNPP Kinetic	33.0	U/L	30 - 130
7 Total Protein Serum, Method: Biuret end point	6.54	g/dL	6.4 - 8.2
8 Albumin Serum, Method: Bromocresol Purple (BCP)	3.72	g/dL	3.4 - 5
9 Globulin Serum, Method: Calculated	2.82	g/dL	1.9-3.9
10 A/G ratio Serum, Method: Calculated	1.32	Ratio	1.0 - 2.0
11 Gamma GT Serum, Method: G glutamyl carboxy nitroanilide	26.0	U/L	5 - 85



Scan For Report

CRM No : 7958060
Sample Recd. Time: 24-06-2024 14:03
Report Time: 24-06-2024 17:54
Patient Name: MR JITENDRA KUMAR CHOUDHARY
Patient ID: 7958060

Authorized Signatory
Dr. Manish Barnawal
MBBS MD (Path)



Scan To Verify

Page 3 of 8





Name:	MR JITENDRA KUMAR CHOUHARY	Age/Gender:	40 Years/Male
Referred By:	DR S V I A L	Client Name:	ASHA PATHO LAB BHURKUNDA MOB :- 6200431598
Collection Date:	24-06-2024 13:43:00	Report Release Date:	24-06-2024 17:54:01

GD Wellness 1.2

Kidney Profile

1	BUN (Blood Urea Nitrogen) Serum, Method: Calculated	11.59	mg/dL	3.3 - 18.7
2	Creatinine Serum, Method: Alkaline picrate kinetic	1.03	mg/dL	0.5 - 1.3
3	BUN/Creatinine ratio Serum, Method: Calculated	11.25		4.0 - 21.5
4	Uric Acid Serum, Method: Uricase, UV	4.92	mg/dL	2.1 - 7.5
5	Calcium Serum, Method: O cresolphthalein complexone	7.5	mg/dL	8.5 - 10.5
6	eGFR (estimated Glomerular Filtration Rate) Serum, Method: Calculated (MDRD formula)	84.86	mL/min/1.73 m ²	Normal: > 90 Mild decrease in GFR: 60- 89 Moderate decrease in GFR: 30-59 Severe decrease in GFR: 15-29 Kidney failure: < 15
7	Urea Serum, Method: Urease-GLDH	24.8	mg/dL	7 - 40

Interpretation

A renal function panel could be ordered when a patient has risk factors for kidney dysfunction such as high blood pressure (hypertension), diabetes, cardiovascular disease, obesity, elevated cholesterol, or a family history of kidney disease. A renal function panel may also be ordered when someone has signs and symptoms of kidney disease, though early kidney disease often does not cause any noticeable symptoms. It may be initially detected through routine blood or urine testing. Renal function panel results are not diagnostic but rather indicate that there may be a problem with the kidneys and that further testing is required to make a diagnosis and determine the cause. Results of the panel are usually considered together, rather than separately. Individual test result can be abnormal due to causes other than kidney disease, but taken together with risks and signs and symptoms, they may give an indication of whether kidney disease is present.



Scan For Report

CRM No : 7958060
 Sample Recd. Time: 24-06-2024 14:03
 Report Time: 24-06-2024 17:54
 Patient Name: MR JITENDRA KUMAR CHOUHARY
 Patient ID: 7958060

Authorized Signatory
 Dr. Manish Barnawal
 MBBS MD (Path)



Scan To Verify

Annexure 17
Copy of Environmental policy

Ref. No. :

Date :

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED AT THE MEETING OF THE BOARD OF DIRECTORS OF SRI VENKATESH IRON & ALLOYS (INDIA) LIMITED HELD ON SEPTEMBER 23, 2025 AT ITS FACTORY OFFICE AT VILL-LAPANAGA, PO- BHADANI NAGAR, RAMGARH-825109, JHARKHAND.

The Board of Directors, after due discussion and consideration of the Company's commitment to sustainable practices in the production of Steel & Steel products, unanimously passed the following resolution:

"RESOLVED THAT the Environmental Policy of the Company, as presented and attached hereto as Annexure A, which outlines the Company's commitment to integrate sound environmental management practices, comply with applicable legal requirements, conserve resources, promote recycling, increase greenery, ensure continual improvement, raise environmental awareness, and maintain transparency in environmental compliance, be and is hereby approved and adopted in its entirety.

FURTHER RESOLVED THAT the Environmental Management Cell shall be headed by the EHS Manager, who shall be responsible for overseeing the implementation of the Policy, including the preparation of a Manual as part of IMS/EMS (such as ISO 14001) to address deviations/violations, hierarchical systems for compliance, and standard operating procedures for non-compliances.

FURTHER RESOLVED THAT any deviations from this Policy or cases of violations/non-compliances with Environment or Forest Laws shall be reported to the Board of Directors through the EHS Manager, who shall identify and designate responsible persons for ensuring compliance with Environmental Laws and Regulations.

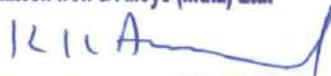
FURTHER RESOLVED THAT corrective actions and preventive measures shall be framed and implemented to avoid repetition of non-compliances, with intimation provided to concerned authorities via six-monthly compliance reports, and all such actions brought to the notice of stakeholders through the annual report.

FURTHER RESOLVED THAT the Director(s) and/or EHS Manager be and are hereby authorized to take all necessary steps to implement this Policy, including working with local government, regulatory authorities, and communities."

Certified to be true,

For and on behalf of **SRI VENKATESH IRON & ALLOYS (INDIA) LIMITED**

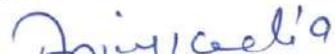
Sri Venkatesh Iron & Alloys (India) Ltd.



Director

Kamal Kumar Agarwal (Director)

Sri Venkatesh Iron & Alloys (India) Ltd.



Director

Ankit Kedia (Director)

Ref. No. :

Date :

Annexure A: Environmental Policy

Environmental Policy

Sri Venkatesh Iron & Alloys (India) Limited (SVIAIL) is engaged in the production of steel and steel products and is committed to a clean and sustainable environment. The mission of SVIAIL is to produce steel in an environmentally responsible manner, striving to:

- Integrate sound environmental management practices in all activities.
- Conduct operations responsibly to minimize pollution and its impacts.
- Comply with applicable legal and other requirements related to environmental aspects, and continually strive to exceed them.
- Operate an **Environmental Management Cell**, headed by a qualified and experienced EHS Manager.
- Conserve energy and natural resources, minimize waste generation, and promote recovery, recycling, and reuse.
- Increase greenery in and around the plant.
- Ensure continual improvement in environmental performance by setting and reviewing objectives and targets.
- Promote environmental awareness among employees and local communities.
- Maintain transparency in matters of environmental compliance.

Standard Operating Procedures / Processes for Deviation or Violation

A Manual shall be prepared as part of IMS/EMS (e.g., ISO 14001) to implement this Environmental Policy, covering the following aspects:

- Conditions, stipulations, and norms under **Environmental Clearance**.
- Conditions and stipulations under **Consent to Establish (CTE)**.
- Conditions and stipulations under **Consent to Operate (CTO)**.
- Monitoring mechanisms for compliance through periodic audits.
- Reporting of audit results to the management.
- Corrective and preventive actions to be implemented.
- Measures for continual self-improvement.

Ref. No. :

Date :

Hierarchical System for Environmental Compliance

To ensure proper implementation of environmental measures, SVIAIL has established the following reporting hierarchy:



- The **Director (Environment & Compliance)** has overall responsibility for environmental compliance.
- The **Head of Department (Operations/Production)** provides operational oversight and resources.
- The **EHS Manager** leads the Environmental Management Cell, prepares reports/manuals, and ensures compliance with environmental laws.
- **EHS Coordinators/Supervisors** monitor compliance within departments and report deviations.
- The **Workforce/Operators** follow SOPs and report irregularities immediately.

SOP in Case of Non-Compliances / Violations

- Any case of non-compliance or violation of environmental/forest laws shall be reported by the EHS Manager to the concerned Director.
- All relevant environmental laws and regulations shall be complied with to minimize risks to health, safety, and the environment.

Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehta Building, Thana Chowk, Near Hotel Treet, Ramgarh-829122
Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No. :

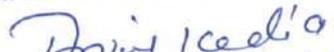
Date :

- Corrective and preventive measures shall be documented and implemented at the site to avoid recurrence.
- Deviations, along with corrective and preventive actions taken, shall be intimated to the concerned authorities through six-monthly compliance reports.
- All actions and measures shall also be communicated to stakeholders through the company's annual report.
- The Company shall work closely with local government, regulatory authorities, and communities to strengthen environmental compliance.

Sri Venkatesh Iron & Alloys (India) Ltd.


Director

Sri Venkatesh Iron & Alloys (India) Ltd.


Director

Annexure 18
Copy of newspaper advertisement

सार्वजनिक सूचना

श्री वेंकटेश आयरन एंड अलॉयज (इंडिया) लिमिटेड को पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली द्वारा फ़ाइल संख्या J-11011/417/2017-IA II (I), दिनांक 24.01.2020 के अंतर्गत, ग्राम-लापंगा, पी.ओ. -भदानी नगर, प्रखंड-पतरातु, जिला-रामगढ़, झारखंड स्थित प्लांट के लिए पर्यावरणीय स्वीकृति प्रदान की गई है। स्वीकृति पत्र की प्रतियां स्थानीय मुखिया, झारखंड राज्य प्रदूषण नियंत्रण बोर्ड (JSPCB), जिला परिषद तथा उपायुक्त कार्यालय, रामगढ़ में उपलब्ध हैं। इसे पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली की वेबसाइट <http://parivesh.nic.in> पर भी देखा जा सकता है।

निदेशक

श्री वेंकटेश आयरन एंड अलॉयज (इंडिया) लिमिटेड

NOTICE

PUBLIC NOTICE

That M/s Sri Venkatesh Iron & Alloys (India) Limited, has been accorded Environmental Clearance (with 07 Nos. of Specific conditions and 10 Nos. of General conditions) by the Ministry of Environment & Forest, Government Of India, New Delhi vide F. No. J-11011/417/2017-IA II (I), dated 24.01.2020 for M/s Sri Venkatesh Iron & Alloys (India) Ltd. Plant at Village - Lapanga, P.O.- Bhadani Nagar, Block - Pataratu, District - Ramgarh, Jharkhand and copies of the clearance letter are available with the Local Mukhiya, Jharkhand State Pollution Control Board (JSPCB), Zila Parishad & DC office, Ramgarh and may also be seen at Website of the Ministry of Environment and Forests, New Delhi at <http://parivesh.nic.in>

Sd/-
Director,

M/s Sri Venkatesh Iron & Alloys (India) Limited

XIAOMI 11

Annexure 19
Receipt of letter regarding submission of
EC to local body

Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehta Building, Thana Chowk, Near Hotel Treet, Ramgarh-829122
Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No. :

Date : 28.01.2020

सेवा में,
उपायुक्त
रामगढ़।

विषय: में. वेंकटेश आयरन एंड एलाय (इंडिया) लि., लपंगा, जिला - रामगढ़ का विस्तारीकरण परियोजना के पर्यावरणीय स्वीकृति (Environment Clearance) की प्रति समर्पित करने के संबंध में।

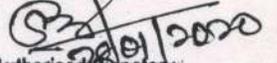
महाशय

उपर्युक्त प्रसंग में सूचित करना है कि हमारे ईकाई का विस्तारीकरण परियोजना का, पर्यावरणीय स्वीकृति (Environment Clearance) वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा प्राप्त हुआ है जिसका पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 है।

अतः नियमानुसार इसी पर्यावरणीय स्वीकृति (Environment Clearance) की एक प्रति आम नागरिकों को उपलब्ध कराने हेतु जमा कर रहा हूँ।

विश्वासभाजन

Sri Venkatesh Iron & Alloys (India) Ltd.


Authorised Signatory

में. वेंकटेश आयरन एंड एलाय (इंडिया) लि.,
लपंगा, भदानीनगर, जिला - रामगढ़

संलग्नक:

1. वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 की प्रति।



Sri Venkatesh Iron & Alloys (India) Ltd.

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Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No.

Date : 28.01.2020

सेवा में,
जिला परिषद
रामगढ़।

विषय: में. वेंकटेश आयरन एंड एलाय (इंडिया) लि., लपंगा, जिला - रामगढ़ का विस्तारीकरण परियोजना के पर्यावर्णीय स्वीकृति (Environment Clearance) की प्रति समर्पित करने के संबंध में।

महाशय

उपर्युक्त प्रसंग में सूचित करना है कि हमारे ईकाई का विस्तारीकरण परियोजना का, पर्यावर्णीय स्वीकृति (Environment Clearance) वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा प्राप्त हुआ है जिसका पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 है।

अतः नियमानुसार इसी पर्यावर्णीय स्वीकृति (Environment Clearance) की एक प्रति आम नागरिकों को उपलब्ध कराने हेतु जमा कर रहा हूँ।

विश्वासभाजन

Sri Venkatesh Iron & Alloys (India) Ltd.

Authorised Signatory

में. वेंकटेश आयरन एंड एलाय (इंडिया) लि.,
लपंगा, भदानीनगर, जिला - रामगढ़

संलग्नक:

वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 की प्रति।

अब देवा
जिला परिषद सदस्य
जिला परिषद सं०-८
प्रखण्ड- पतरावू
जिला- रामगढ़

Sri Venkatesh Iron & Alloys (India) Ltd.

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Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : VIII. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No. :

Date : 28.01.2020

सेवा में,
प्रखंड विकास पदाधिकारी / अंचलाधिकारी
भदानीनगर / पतरातू, रामगढ़ ।

विषय: में. वेंकटेश आयरन एंड एलाय (इंडिया) लि., लपंगा, जिला - रामगढ़ का विस्तारीकरण परियोजना के पर्यावर्णीय स्वीकृति (Environment Clearance) की प्रति समर्पित करने के संबंध में।

महाशय

उपर्युक्त प्रसंग में सूचित करना है कि हमारे ईकाई का विस्तारीकरण परियोजना का, पर्यावर्णीय स्वीकृति (Environment Clearance) वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा प्राप्त हुआ है जिसका पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 है।

अतः नियमानुसार इसी पर्यावर्णीय स्वीकृति (Environment Clearance) की एक प्रति आम नागरिकों को उपलब्ध कराने हेतु जमा कर रहा हूँ।

विश्वासभाजन

Sri Venkatesh Iron & Alloys (India) Ltd.

28/01/2020
Authorised Signatory

में. वेंकटेश आयरन एंड एलाय (इंडिया) लि.,
लपंगा, भदानीनगर, जिला - रामगढ़

संलग्नक:

वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 की प्रति।



Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehta Building, Thana Chowk, Near Hotel Treef, Ramgarh-829122
Jharkhand • e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No. :

Date : 28.01.2020

सेवा में,
मुखिया
ग्राम पंचायत, लपंगा,
पो - भदानीनगर, रामगढ़ ।

विषय: में. वेंकटेश आयरन एंड एलाय (इंडिया) लि., लपंगा, जिला - रामगढ़ का विस्तारीकरण परियोजना के पर्यावर्णीय स्वीकृति (Environment Clearance) की प्रति समर्पित करने के संबंध में ।

महाशय

उपर्युक्त प्रसंग में सूचित करना है कि हमारे ईकाई का विस्तारीकरण परियोजना का, पर्यावर्णीय स्वीकृति (Environment Clearance) वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा प्राप्त हुआ है जिसका पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 है ।

अतः नियमानुसार इसी पर्यावर्णीय स्वीकृति (Environment Clearance) की एक प्रति आम नागरिकों को उपलब्ध कराने हेतु जमा कर रहा हूँ ।

विश्वासभाजन

Sri Venkatesh Iron & Alloys (India) Ltd.

28/01/2020
Authorised Signatory

में. वेंकटेश आयरन एंड एलाय (इंडिया) लि.,
लपंगा, भदानीनगर, जिला - रामगढ़

संलग्नक:

वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 की प्रति ।

मुखिया, लपंगा पंचायत
प्रखण्ड-पतरातु, जिला-रामगढ़

Sri Venkatesh Iron & Alloys (India) Ltd.

Correspondence Add. : Mehta Building, Thana Chowk, Near Hotel Treet, Ramgarh-829122
Jharkhand * e-mail : venkatesh_iron@yahoo.com

Works at : Vill. - Lapanga,
Post - Bhadani Nagar,
Distt. - Ramgarh Cantt. (Jharkhand)
PIN - 829105
Cell # 93342-85107

Ref. No. :

Date : 28.01.2020

सेवा में,
मुख्यालय
झारखण्ड राज्य प्रदूषण नियंत्रण पर्षद,
टी.ए. भवन, पो. - धुर्वा, रांची।

विषय: में. वेंकटेश आयरन एंड एलाय (इंडिया) लि., लपंगा, जिला - रामगढ़ का विस्तारीकरण परियोजना के पर्यावर्णीय स्वीकृति (Environment Clearance) की प्रति समर्पित करने के संबंध में।

महाशय

उपर्युक्त प्रसंग में सूचित करना है कि हमारे ईकाई का विस्तारीकरण परियोजना का, पर्यावर्णीय स्वीकृति (Environment Clearance) वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के द्वारा प्राप्त हुआ है जिसका पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 है।

अतः नियमानुसार इसी पर्यावर्णीय स्वीकृति (Environment Clearance) की एक प्रति आम नागरिकों को उपलब्ध कराने हेतु जमा कर रहा हूँ।

विश्वासभाजन
Sri Venkatesh Iron & Alloys (India) Ltd.
28/01/2020
Authorised Signatory

में. वेंकटेश आयरन एंड एलाय (इंडिया) लि.,
लपंगा, भदानीनगर, जिला - रामगढ़

संलग्नक:

1. वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक संख्या J-11011/417/2017-1A.II(I) दि. 24.01.2020 की प्रति।

Annexure 20
Photographs of the display Board

SRI VENKATESH IRON & ALLOYS (INDIA) LTD.

Correspondence Address: Mehta Building, Works At- Vill- Lapnaga, Po- Bhadani Nagar,
Thana Chowk, Near Hotel Treet Dist-Ramgarh Cantt,-829105 Jharkhand
Ramgarh-829122. Tel Fax-06553-231098.
E-Mail: venkatesh_iron@yahoo.com

To
Engineering & Environmental Solutions Pvt. Ltd.
E-32, CDF Industrial Area,
Anupshahar Road, Aligarh-202122 (U.P.)

Date: 09.01.2025

Sub: - Purchase Order for Digital Display System DMD Display Board size-6 X 4 Feet.

Dear Sir,

With reference to your Quotation ref No.129/EES/2024-25 dated 27.12.2024 and subsequently our telephonic discussion, we are pleased to place our work order to for

Item:- Display System DMD Display Board size-6 X 4 Feet.

Display Type: P10, Make- Engineering and Environmental Solution Pvt. Ltd.

Visibility-80-100 Metres, Readability up to 70 Metres, Dust proof & Water Proof facility,

Data Capture from our Existing (installed) Analyser PM10, SO2 and PM data through GPRS base all the Mandatory display columns/raw for Sponge Iron Plant.

QNTY:- 1 SETS COMPLETE

PRICE : Rs.1,50,000/- Including installation & F.O.R. basis.

GST : Extra (as applicable)

Delivery: Immediate

Warranty: 1 year from date of installation.

Payment : 70% Advance AND 30% immediate after installation.

Billing & Shipping Address : Sri Venkatesh Iron & Alloys (India) Ltd

Vill- Lapnaga, P.O- Bhadani Nagar, Dist- Ramgarh-829105 JH: GSTN 20AAICS6981MIZV

Please acknowledge the same and send your acceptance of P.O. with counter signed and stamped of PO copy enabling us to release the advance payment

Thanking You,

Yours faithfully,

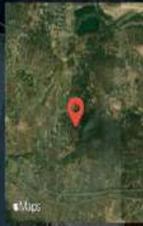
For Sri Venkatesh Iron & Alloys (India) Ltd.


Authorized Signatory

Accepted
Arundhan




GPS Map Camera



Ramgarh, Jharkhand, India

Bedia Tola Chogarha Road, Patratu, Ramgarh,
Jharkhand 829105, India

Lat 23.642493, Long 85.396749

09/04/2025 01:04 PM GMT+05:30

Note : Captured by GPS Map Camera

Annexure 21
Photographs Showing Good
Housekeeping

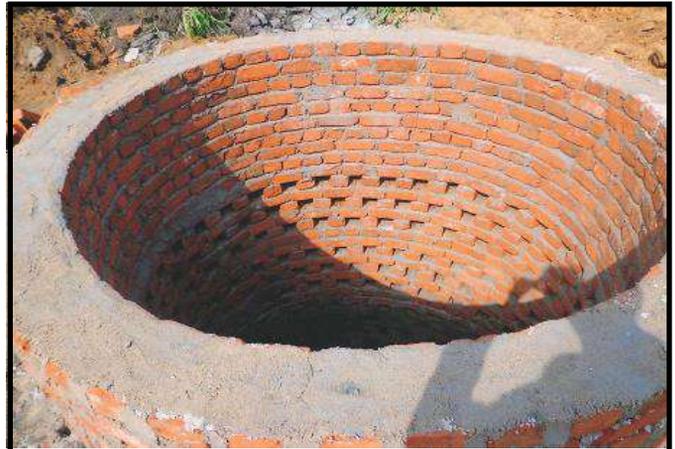


Annexure 22
Photographs Showing Water sprinklers



Photographs Showing Water sprinklers

Annexure 23
RWH System



Dolochar Storage and RWH System