COMPLIANCE OF ENVIRONMENTAL CLEARANCE

M/s. JAI PRABHUJI IRON & STEEL PVT. LTD.

Letter No. EC/SEIAA/2022-23/2710/2023/377, Dated: 02.11.2023

Village- Kanshitanr, Tehsil- Govindpur, Distt. - Dhanbad, Jharkhand

#	CONDITION	COMPLIANCE/ STATUS (Status: 01st October 2023 – 31st March 2024)
I.	**SPECIFIC CONDITIONS:**	
1.	This Environmental Clearance is valid subject to the following condition below – That this project has- a. Obtained all legal rights to operate at concerned place. b. Complied with all existing concerned laws of the land and c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.	**Complied** The proposed project has obtained all the legal rights and statutory clearances and complied with the decisions of SEIAA
2.	Ground water to be drawn for use in the project only after obtaining permission from the Competent Authority.	**Complied** Permission for groundwater withdrawal of 15300 m^3/day has been acquired from CGWA. It has been attached as Annexure – I.
3.	Environment management system including organization structure to be drawn to ensure compliance of EC conditions stipulated based on principles of Continual Improvement and periodical management review.	**Complied** Organization has its own Environment Management Cell which works on principles of Continual Improvement and periodical management review. EMC structure is attached as an Annexure – II
4.	All raw material to be stored only under covered shed.	**Complied** Raw materials are stored under cover shed.
5.	PAs to offset (upto 20%) consumption of conventional energy sources by promoting use of solar energy, passive energy utilization, optimum fenestration, shading effect and heat islands.	**Not applicable**
6.	Developers to promote energy conservation measures such that it offsets not less than 2 % of connected load. It is to be achieved by solar panels etc. meeting ECBC norms.	**Partially Complied** Variable frequency drives and LEDs is being installed that promotes energy conservation. Also, recuperator and solar panels will be installed after the installation of the expansion project.

7.	Trees should be developed & maintained not less than 33% of project area.	**Partially Complied** Greenbelt development plan has been proposed all along the plant boundary comprising 33% of the total plant area. Plantation is done in the open area to the extent possible. Also, additional land has been acquired for the greenbelt plantation. Photographs for the same is attached.
8.	Developers/Company to install STP of sufficient capacity such that all the sewer produced is treated and reused.	**Assure to comply** Expansion activities are not started yet. This will be complied with the installation and commissioning of the expansion project. Presently, the domestic waste water generated is routed to septic tank and soak pit.
9.	Developers/Company to install Rain water harvesting structures such that all the roof top water runoff is collected and harvested including reuse on 100% basis.	**Complied** Rain water harvesting structures (ground water recharge pits) is constructed in the plant premises for the collection, harvesting and reuse of the rainwater. Photographs for the same is attached.
10.	Developers/Company to conduct and submit carbon footprint and carbon sequestration study report including mitigation measures as a part of EC compliance.	**Will be complied**
11.	MSW Collection center should be located in isolated and preferably unmanned area. Movement of the vehicle carrying waste should be under tarpaulin covered condition only. Route of vehicle should be such that it avoids residential areas as far as practical.	**Complied** MSW is collected in the bins and collected by the concerned authorities by tractors.
II.	**Statutory Compliance:**	
1.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act. 1980, in case of the diversion of forest land for non-forest purpose involved in the project.	**Not Applicable.** There is no involvement of forest land in this project. DFO and CO certificates are attached as proof for the same as Annexure - III
2.	The project proponent shall obtain clearance from the National Board for Wildlife if applicable.	**Not Applicable.** Existence of ESZ/National Parks/Wildlife Sanctuary/Biosphere Reserve/Elephant Reserve is not within 10 km radius of the project site.

3.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six- monthly compliance report, (in case of the presence of schedule-1 species in the study area).	**Assure to Comply.** Wildlife Conservation Plan having budget of Rs 68.304 lakhs is prepared for the Scheduled – I species present in 10 km study area. Copy of the same is attached as an Annexure – IV. Approval of same will be obtained by the concerned authorities and recommendations will be implemented.
4.	In the writ petition (Civil) no. 202/1995, T.N. Godaverman Thirumulpad vs union of India and ors, the Hon'ble Supreme Court passed an order dated 03.06.2022 National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09th February, 2011 shall be strictly adhered to".	**Not Applicable** ESZ/National Parks/Wildlife Sanctuary/Biosphere Reserve/Elephant Reserve is not present in 10 km study area.
5.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act. 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board Committee.	**Complied** CTE is obtained under the aforesaid provisions under the SPCB with Ref. No. JSPCB/HO/RNC/CTE-1655200/2017/461, dated 07.09.2017.CTO is obtained under the aforesaid provisions under the JSPCB vide Ref No.- JSPCB/HO/RNC/CTO-3706288/2018/1699 dated 30.10.2018. Copy of the CTO and CTE is attached as an Annexure – V
6.	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.** Permission for groundwater withdrawal of has been acquired from CGWA. It has been attached as Annexure I.
7.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules 2016 as amended from time to time.	**Will be complied.** The project proponent has applied for Authorization under HoWM Rules' 2016 as amended from time to time. Copy of the online application is attached as an Annexure - VI
8.	No mining/activity shall be undertake in the forest land or deemed forest without obtaining requisite prior forestry clearance.	**Not applicable** There is no forest land involved in the project**.**

9.	This Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court. Hon'ble NGT. MoEF & CC and any other Court of Law, if any, as may be applicable to this project.	**Agreed.**
10.	Environmental clearance is subject to obtaining prior clearance from forestry and Wildlife angle including clearance from standing committee of NBWI, as may be applicable to this project (in case any fauna occurs/is found in the Project area or if the area involves forest land or Wildlife habitat i.e., core zone of elephant/tiger reserve etc. and or located within 10 km. of protected area).	Agreed. Clearances as applicable will be obtained.
11.	The project proponent may apply simultaneously for forest and NBWL. clearance, in order to complete the formalities without undue delay, which till process on their respective merits, no rights will vest in or accrue to them unless all clearance are obtained.	Agreed. Clearances as applicable will be obtained.
III.	**Air quality monitoring and preservation:**	
1.	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 31 March 2012 (applicable to IFEAF) 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	**Complied.** Continuous emission monitoring system at is installed in the plant premises and connected to the JSPCB, Ranchi to monitor stack emissions. Stack monitoring report is attached as an Annexure - VII
2.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act. 1986 or NABL accredited laboratories.	**Agreed and assure to comply with.** Fugitive emissions monitoring is being done for the mentioned period at all dust generated areas by the NABL accredited laboratories. Copy of the ambient air quality report is attached as an Annexure - VII

3.	The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PMIO and PM25 in reference to PM emission, and S02 and NOx in reference to S02 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, (case to case basis small plants: Manual: Large plants, Continuous)	**Complied.** Continuous Ambient Air Quality monitoring system is installed to monitor criteria pollutants. Copy of the ambient air quality report is attached as an Annexure – VII
4.	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.	**Complied.** Summary report of continuous stack emission and air quality monitoring along with results is being submitted to the Regional Office of MoEF&CC. Zonal office of CPCB and Regional Office of SPCB along with six – monthly monitoring report
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	**Complied.** Fume extraction system with Spark Arrester with Bag Filter has been installed for the dust generating points.
6.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	**Agreed.**
7.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Assure to comply
8.	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.	Iron ore fines and recovered metal from slag is recycled in the production process to the extent possible. No briquetting agglomeration is envisaged.
9.	The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	**Agreed.** Trucks carrying raw materials are covered with tarpaulin.
10.	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	**Agreed.** Covered sheds are provided for the raw material storage.

11.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	**Complied.** Fume Extraction System has been installed.
12.	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses. Oil Cellars.	**Agreed.**
IV.	**Water quality monitoring and preservation:**	
1.	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 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. (case to case basis small plants: Manual; Large plants: Continuous).	Not applicable as there is no effluent discharge outside the premises. Plant is working on the principle of ZLD
2.	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 NABI. accredited laboratories.	**Agreed and assured to comply with.** Ground water is monitored for the mentioned period by the NABL accredited laboratories and reports of the Ground water quality is attached as Annexure – I
3.	The project proponent continuous 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.	Not applicable as there is no effluent discharge outside the premises. Plant is working on the principle of ZLD.
4.	Adhere to 'Zero Liquid Discharge'.	**Agreed.** The plant is operating under the principal of ZLD, so that no water is disposed outside the plant premises.
5.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	**Complied**

		Septic tank and Soak Pit has been constructed in the plant premises for the treatment of domestic waste water.
6.	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.	**Assure to Comply.** Rolling Mill is not installed yet and ETP will be installed with the installation/commissioning of the same
7.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Being Complied
8.	The project proponent shall practice rainwater harvesting to maximum possible extent.	**Complied.** Rainwater harvesting structure is being installed in the plant for the collection and reuse of rainwater.
9.	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.	**Being Complied** The plant is operating under the principal of ZLD which ensures maximum recycling which minimizes minimize water consumption.
V.	**Noise monitoring and prevention:**	
1.	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.	**Agreed and assure to comply with.** Noise level monitoring is being done by the NABL accredited laboratories and report of the ambient noise level is attached as an Annexure – VII
2.	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.	
VI.	**Energy Conservations measures:**	
1.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.	No waste heat recovery is possible, as this unit is based on induction furnace (open type furnace)
2.	Practice hot charging of slabs and billets/blooms as far as possible.	Not Applicable
3.	Ensure installation of regenerative type burners on all reheating furnaces.	Assure to comply
4.	Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Assure to comply to the extent possible

5.	Provide the project proponent for LED lights in their offices and residential areas.	**Complied.** LED lights is installed in the offices and residential areas.
VII.	**Waste Management:**	
1.	Used refractories shall be recycled as far as possible.	**Complied.** Used refractories will be provided to outside units
2.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces.	Assure to comply with the installation and commissioning of the rolling mills
3.	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.	**Assure to comply** However, no fly ash generation is envisaged during normal operation of the plant.
4.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules. 2016.	**Complied** Hazardous wastes such as used oils and lubricants is being stored in drums and disposed as per the Hazardous & Other waste (Management & Transboundary Movement) Rules. 2016. Authorization for the same will be obtained from the JSPCB
5.	Kitchen waste shall be composted or converted to biogas for further *use. (to be decided on case to case basis depending on type and size of plant).*	No such kitchen waste is envisaged.
VII.	**Green Belt:**	
1.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	**Complied.** Greenbelt development plan has been proposed all along the plant boundary comprising 33% of the total plant area.
2.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.	**Will be complied**
IX.	**Public Hearing and Human Health issues:**	

1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA and Disaster Management Plan shall be implemented.	**Complied.** Copy of the HIRA and Disaster Management Plan is attached as an Annexure – VIII
2.	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.	**Assure to comply.** Will be complied after the commissioning of the expansion part
3.	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 SIP, safe drinking water, medical health care crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	**Being complied** Most of construction workers will be taken from the local area and basic amenities is being provide to the workers working in the constricting phase.
X.	**Corporate Environment Responsibility:**	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable. regarding Corporate Environment Responsibility.	Assure to comply.
2.	The company shall have a well laid down environmental policy duly approve 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 defined system of reporting infringements deviation/ violation of the environmental/forest/wildlife norms/conditions and/ or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	**Complied.** Copy of Environment Policy duly approved by the Board of Directors is submitted as an Annexure – IX
3.	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.	**Complied.** The company has environment monitoring cell. EMC structure is attached as annexure n the above conditions.

4.	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.	**Agreed.** Action plan for implementing EMP and along with responsibility matrix of the company with physical targets and time bound action plan has been approved by the authority. Copy of Expenses as per budget year wise done till date is attached as an Annexure – X
5.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Assure to comply
6.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.	**Agreed and assure to comply with.**
7.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	**Complied.** Occupational health surveillance of the workers is done regularly and copy of the same is attached as annexure – XI
XI.	**Miscellaneous:**	
1.	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.	**Already complied.** Copy of advertisement in two local newspaper is attached as an annexure – XII
2.	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.** Copy for the same is being submitted as attached as an Annexure – XIV
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of	**Agreed and assure to comply with.**

	monitored data on their website and update the same on half-yearly basis.	
4.	The project proponent shall monitor the criteria pollutants level namely: PMI0. 802. NOx (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.	**Complied.** Criteria pollutants are being monitored and report for the same is attached as an Annexure – VII.
5.	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.** Six-monthly reports on the status of the compliance is being submitted regularly. Copy of the previous compliance is attached as an Annexure - XV
6.	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.	**Complied.** The environmental statement for financial year ending 31st March 2024, in Form-V is attached as an Annexure – XIII
7.	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.	**Agreed and assure to comply with.**
8.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	**Agreed.**
9.	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.	**Agreed and assure to comply with.**
10.	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.**

11.	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provision of Environment (Protection) Act, 1986.	**Agreed.**
12.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	**Agreed.**
13.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	**Agreed and assure to comply with.**
14.	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 and assure to comply with.**
15.	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 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.	**Agreed and assure to comply with.**
16.	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.	**Agreed.**
XII.	**Other Conditions:**	
1.	The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.	**Agreed.**

2.	The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF & CC, Govt. of India.	**Agreed.**
3.	In case of any deviation or alteration in the project proposed from those submitted to SEIAA. Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.	**Agreed and assure to comply with.**

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Jaiprabhuji Iron And Steel Pvt Ltd		
Project Address:	Kandra Industrial Area, P.o. Bhitia,, Govindpur, Dhanbad, Jharkhand		
Village:	Bhitia	Block:	Govindpur
District:	Dhanbad	State:	Jharkhand
Pin Code:			
Communication Address:	M/s Jaiprabhuji Iron And Steel (p) Ltd, 27, Weston Street, 6th Floor, Room No.-611, Kolkata- 700012, , Kolkata, West Bengal - 700012		
Address of CGWB Regional Office :	Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, Patna, Bihar - 800011		

1.	**NOC No.:**	CGWA/NOC/IND/REN/1/2024/9268	2.	**Date of Issuence**	18/03/2024
3.	Application No.:	21-4/509/JH/IND/2019	4.	Category: (GWRE 2023)	Semi Critical
5.	Project Status:	Existing Ground Water	6.	NOC Type:	Renewal
7.	**Valid from:**	20/01/2024	8.	**Valid up to:**	19/01/2027

9. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
51.00	15300.00						

10. Details of ground water abstraction /Dewatering structures

	Total Existing No.:2						**Total Proposed No.:0**					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	0	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

11.	Ground Water Abstraction/Restoration Charges paid (Rs.):	30600.00
12.	Environment Compensation (if applicable) paid (Rs.):	0.00

			Monitoring Mechanism		
13.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Manual	DWLR**	DWLR With Telemetry
	**DWLR - Digital Water Level Recorder	1	0	1	0

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE

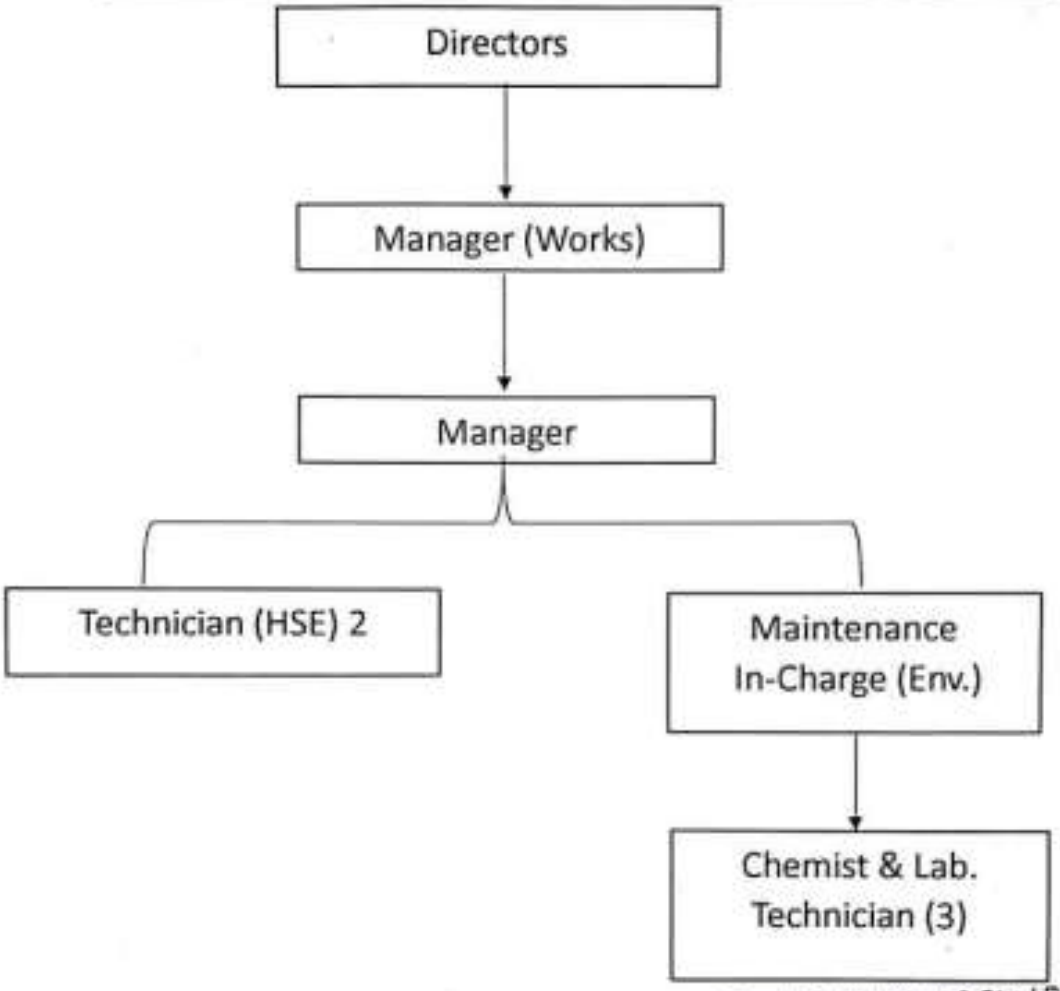
JAI PRABHUJI IRON & STEEL PRIVATE LIMITED

JAI PRABHUJI

MANUFACTURERS OF QUALITY M.S. BILLET

Works : C-21-25, Kandra Industrial Area, Govindpur, Dhanbad - 828 109 (Jharkhand)
Regd. Office : Kalpana Villa, Midway Nursing Home Lane, Near Barakar Bus Stand South,
P.O.- Barakar - 713343, Dist.- Paschim Burdwan (W.B.)
Email : jai_prabhuji@rediffmail.com • jaiprabhuji280@gmail.com
Website : www.jpispl.com, CIN No. : U27104WB2003PTC096615
Mobile : 9431125242 • 9431124208

ORGANIZATIONAL CHART OF ENVIRONMENTAL MONITORING CELL



For Jai Prabhuji Iron & Steel Pvt. Ltd.

R.K. Choudhary

Director

(Signature of Director)

कार्यालय अंचल अधिकारी, गोविन्दपुर (धनबाद)

पत्रांक 1424

प्रेषकः– अंचल अधिकारी,
गोविन्दपुर, धनबाद।

दिनांक 20 / 11 / 2021

सेवा में

मेसर्स जय प्रभुजी आयरण एण्ड स्टील प्रा0 लि0
सी, 21–25 कान्ड्रा इंडस्ट्रीयल एरिया,
गोविन्दपुर, धनबाद (झारखण्ड)

विषयः (SEIAA) के द्वारा निर्गत पत्र में 8 (आठ) बिन्दुओं के जांच प्रतिवेदन के संबंध में।

महाशय,

उपर्युक्त विषय के संदर्भ में मेसर्स जय प्रभुजी आयरण एण्ड स्टील प्रा0 लि0 कान्ड्रा इंडस्ट्रीयल एरिया, गोविन्दपुर निर्देशक श्री नवद्वीप खेतान पिता– स्व0 रामानंद खेतान के नाम से मौजा–काशीटांड, मौजा न0–124 का गत सर्वे खाता सं0–4, 18, 11, 19, 23 प्लॉट–84, 79, 420, 108, 82, 83, 85, 98, 99, 100, 78, 81, 95, 101, 102, 96, 97, 103, 104, 105,106, 107, रकवा– 4.88 एकड़ भूमि लीज दलील संख्या– 8675 दिनांक 12.12.2003, 6808 दिनांक 26. 08.2004 एवं 1108 दिनांक 23.03.2018 द्वारा प्राप्त है। हाल सर्वे में खाता–74, 37, 59, 38, 14, 59, 75, 37, 98 आदि एवं प्लॉट–62, 52, 38, 36, 24, 25, 26, 184, 27, 29, 30, 34, 97, 98, 101, 99, 100, 82, 83, 20 एवं 18 में परिवर्तित हुआ है। आवेदित भूमि की कोटि सर्वे खतियान तथा रजिस्टर–II में जंगल झाड़ी एवं वन भूमि के रूप में दर्ज नहीं है। भूमि रैयती है।

भूमि का क्रमांक सं0–01 से 08 तक निर्धारित बिन्दुवार जांच संबंधित राजस्व उपनिरीक्षक/अंचल निरीक्षक के द्वारा जांच करायी गई। जांचोपरांत प्रतिवेदन बिन्दुवार निम्नवत् है:–

क्र0	निर्धारित बिन्दु	हाँ /नहीं
1.	क्या आवेदित भूमि की कोटि सर्वे खतियान तथा रजिस्टर–II में जंगल–झाड़ी के रूप में दर्ज है ?	नहीं
2.	क्या 500 मीटर की दूरी के अंदर कोई मानव बसाहट (Habitation) स्थित है ?	नहीं
3.	क्या 500 मीटर की दूरी के अंदर कोई जलीय निकाय (Dam/Reservoir) स्थित है ?	नहीं
4.	क्या 500 मीटर की दूरी के अंदर कोई नदी (River) स्थित है ?	नही
5.	क्या 500 मीटर की दूरी के अंदर कोई शैक्षणिक संस्थान (Educational Institute) स्थित है ?	नहीं
6.	क्या 500 मीटर की दूरी के अंदर कोई चिकित्सालय (Hospital) स्थित है ?	नहीं
7.	क्या 500 मीटर की दूरी के अंदर अंतर्राज्यीय (Interstate) सीमा है ?	नहीं
8.	क्या 500 मीटर की दूरी के अंदर कोई राष्ट्रीय धरोहर/पुरातत्वीय (Monuments/Archaelogical) महत्व के स्थल स्थित है ?	नहीं

अंचल अधिकारी का कार्यालय ★ गोविन्दपुर, धनबाद ★

विश्वास्माजन

अंचल अधिकारी
गोविन्दपुर, धनबाद

Department of Forest, Environment and Climate Change

Report of Distance from Notified Forest, National Park, Sanctuary & Eco-Sensitive Zone

Name Of Applicant Jai Prabhuji Iron and steel pvt ltd
Institution Type Non Government
Email ID jai_prabhuji@rediffmail.com **Contact no.:** 9431122368

Location of Proposed Land

District ~~Hazaribagh~~ Dhanbad **Battery Point** Kastanr,Govindpur,Dhanbad,Jharkhand
Thana No.: 124 Thana Name: Govindpur
Khata No.: 18,04,19,23,11 Khesra Name: 98P,99P,420P,81P,82,83,84P,85,96P,97,78P,79P,100,95P,101P,103P,104P,102,108P,105,106,107P

#	Checkpoint	Divisional Forest Officer	Range Forest Officer
1	Whether the proposed land falls outside notified ~~forest boundary~~ Protected Area or not? *	Yes	Yes
2	Distance of Battery Point from Notified ~~Forest Land~~ Topchanchi Wildlife Sanctuary (meters) *	26860	26860
3	Is there any National Park situated within a radius of 10 km from the battery point? *	No	No
4	Is there any Wildlife Sanctuary situated within a radius of 10 km from the battery point? *	No	No
5	Is the proposed project situated in any Eco Sensitive Zone? *	No	No
6	Is there any notified Bio-Diversity area within a radius of 10 km from the battery point? *	No	No

Division **DFO Wildlife Hazaribagh**
Letter No. 1347
Date of issue 11.7.19
Signature
Name

Divisional Forest Officer

अभ्युक्ति :–

आवेदक Jai Prabhuji Iron and steel pvt ltd, C 21-25, Kandra (Industrial Area), PS- Govindpur, District-Dhanbad, का उपरोक्त वर्णित बैट्री प्वाइंट का वन प्रमण्डल पदाधिकारी, धनबाद वन प्रमण्डल के द्वारा निर्गत पत्रांक– 1678 दिनांक 06.11.2018 द्वारा **अधिसूचित वन सीमा से दूरी 2037 मीटर है,** तथा उपरोक्त सूचना आवेदक द्वारा समर्पित GPS Co-ordinate (Lat. 23 50'54.87"N, Long 86 28'42.85"E) एवं वन क्षेत्र पदाधिकारी, वन्यप्राणी प्रक्षेत्र, गिरिडीह द्वारा आवेदित स्थल के भौतिक सत्यापन के आलोक में तोपचांची वन्यप्राणी आश्रयणी सीमा (प्रस्तावित स्थल से निकटतम अभ्यारण्य) से वायुकिय दूरी 26860 मीटर पर अवस्थित है।

11.7.19
वन प्रमण्डल पदाधिकारी
वन्यप्राणी प्रमण्डल, हजारीबाग

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/CTE-1655200/2017/461 Dated : 2017-09-07

Consent to Establish (CTE) 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. Reference: Application (s) No.- 1655200 / dated : 10/08/2017 of Jai Prabhuji Iron & Steel Pvt. Ltd., Prabhu Singh for 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

2. **Documents Relied Upon:**

(i) The contents of N.O.C. application, Project report and the documents furnished in support of application.

(ii) The related provisions of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986.

(iii) The content of Project report – For Existing Ingots to Billets- 36000 TPA (With no change in production capacity Technology & other facilities). Total Area- 3.38 acres.

(iv) The content of Environmental Clearance issued by MoEF, New Delhi vide Ref. No. F. No. J-11011/180/2010-IA.II(I) dated 13.07.2011 for the Expansion of MS Ingots manufacturing from 21,600 TPA to 36,000 TPA and installation of submerged Arc Furnace to manufacture 15,000 TPA of Silico Manganese at Kandra Industrial Area, Dhanbad.

(v) The content of CTO issued to the unit for the Production of MS Ingot – 36000 TPA valid up to 30.06.2017 vide D-1996(C) dated 04.08.2015.

(vi) The content of CTE issued for the Induction Furnace – 1x6 Ton Capacity and M S Ingots- 48 TPD(i.e. 14400 TPA) on the plots No. C-21 to C-24, Kandra Industrial Area, PO- Bhitia, Dist- Dhanbad vide B-2474 dated 12.09.2011 & CTE issued to existing unit vide Ref. No. N-559 date 14.12.2005 for the production of M S Ingot – 20,350 MT/day. CTE issued vide Ref. No. N-113 dated 19.02.2005 for the product M S Ingot – 51.5 MT/day.

(vii) The content of CTO issued to the unit vide Ref. No. JSPCB/HO/RNC/CTO-1468994/2017/1128 Dated : 2017-08-07 for the Production of MS Ingot – 36000 TPA valid up to 30.06.2018.

(viii) The content of Lease deed of land made on 10.08.2004, land allotted by BIADA for Kandra Industrial Area. Plot No. C-22 and C-23 (P) area – 1.38 acres for the period of 30 years (on page 5) w.e.f. 26.03.2004 to 25.03.2034 (2) Lease deed of land made on 10.12.2003, land allotted by BIADA for Kandra Industrial Area , Plot No. C-21 and C-24 (P) , Area- 2.0 acres for the period of 30 years (on page 7) w.e.f. 09.10.2003 to 08.10.2033..

(ix) The content of inspection report issued vide Ref. No. 1389 dated 12.08.2017 of Regional Officer, JSPC Board, Dhanbad;

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 establish the project in Mauza- Kashitar No. 124, P S -Govindpur, District-DHANBAD as follows:

Project	Site-Area		Investment (Rs)/ Year	Product & Capacity	Period of CTE
	Plot Nos.	Area			
In Expansion	Kandra Industrial Area at Mauza : Kashitar No. 124, Khata No. : 18, 04, 19, 23, 11, Khesra No. : C-21 to C-24	3.38 acres	4.95 Crore (Existing) to 9.05 Crore (4.95 + 4.10 = 9.05 Crore)	Billets (in place of existing Ingots)- 36,000TPA	Six months from date of issue

(A) General Conditions :

(1) That, the occupier shall construct pucca (i) minimum ten feet high boundary wall and (ii) approach road and internal roads and shall keep the premises neat and clean and tidy.

(2) That, the occupier shall install comprehensive enclosure (s) to cover the places of unloading of raw materials, the equipments of their processing & transferring, the places of loading of products, by products and wastes for prevention of fugitive emission and shall install such automatic inbuilt system(s) that in house dust/ gases collect(s) and undergo (es) cleaning and clean air goes out.

(3) That, the occupier shall install such automatic inbuilt system(s) that process flue gas(es) / process gas(es) and undergo(es) cleaning and clean air go(es) out through the chimney(s), having height(s) as per Central Pollution Control Board norm.

(4) That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (them) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm .

(5) That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard (s).

(6) That, the occupier shall install Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge.

(7) That, the occupier shall create new water body (ies) / remove deposit(s) of existing water body(ies) and nearby stream(s) and pond(s) and shall maintain the wholesomeness of water.

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

(9) That, this CTE 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.

(10) That, this CTE 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.

(11) That, this CTE 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.

(12) 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 there under.

(B) Specific Conditions:

(1) That, the proponent shall obtain consent to operate from State Pollution Control Board under section 25 & 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 prior to commissioning of the plant;

(2) That, the proponent shall install water meter to measure the water to be consumed for different purposes to meet the requirement of the water, furnish returns of water to be consumed and pay water Cess under the Water (Prevention & Control of Pollution) Cess Act, 1977;

(3) That, the proponent shall obtain authorization under the Hazardous Waste (Management , Handling and Trans Boundary) Rules, 2008;

(4) That, the proponent shall abide by the provisions of the Environment (Protection) Act, 1986 and submit the reports of effluent, emission, ambient air quality and noise level monitored before and after commissioning of the plant in compliance of the standards prescribed in the Environment (Protection) Rules, 1986;

(5) That, the proponent shall collect and treat the effluent in foolproof latest system and shall recycle treated effluent for re-use and shall ensure no discharge of effluent outside the premises;

(6) That, the proponent shall make stack(s) of the height and with the provision(s) of emission monitoring port hole(s), ladder(s) and platform(s) as prescribed by Central Pollution Control Board;

(7) That, the proponent shall ensure continuous and uninterrupted power supply with provision of separate energy meters for the pollution control systems to enable the pollution control systems to function uninterruptedly;

(8) That, the proponent shall use D.G. set of 200 KVA having specification as prescribed in the Environment (Protection) Rules, 1986 and shall house it in integral acoustic enclosure and shall keep the height of exhaust pipe as per Central Pollution Control Board norms;

(9) That, the proponent shall dispose of hazardous wastes in the manner as specified under Hazardous Waste (Management, Handling and Trans Boundary) Rules, 2008;

(10) That, the proponent shall do tree plantation in 33% of vacant spaces within the premises. Selection of plant species shall be as per CPCB guidelines in consultation with local DFO;

(11) That, the proponent shall implement plan of rainwater harvesting with establishment of the project. Rain

Water Harvesting plan must be approved by Ground Water Directorate, Govt. of Jharkhand;

(12) That, the proponent shall make all inside and approach (within the control of the proponent) roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the premises and dust prone areas;

(13) That, the proponent shall store all raw materials and products under shed and shall as far as practicable do their processing and transfer under foolproof cover(s);

(14) That, the proponent shall use fly ash and or fly ash bricks in construction of the project;

(15) That, the proponent shall use all solid wastes as resource as a raw material or a product;

(16) That, the proponent shall submit compliance report of Environmental Clearance granted by Ministry of Environment and Forest, Govt. of India, New Delhi, as per the requirement of Environmental Clearance to the Board accordingly;

(17) That, the proponent shall submit the compliance report of consent order granted to the existing unit vide Ref. No. JSPCB/HO/RNC/CTO-1468994/2017/1128 Dated : 2017-08-07 for the Production of MS Ingot – 36000 TPA valid up to 30.06.2018.as per the consent order;

(18) That, the proponent shall install install Wet Scrubber and Venturi Scrubber System for control of SO2 and dust from the chimney. and stack attached to it of a height of at least 110' ft from the ground level to control the dusts and gaseous emissions;

(19) That, the proponent shall make proper arrangement for disposal of all the solid wastes to be generated during production of pencil ingots;

(20) That, the proponent shall regularly operate the Fume extraction system provided for all the existing 3 Induction Furnaces in the working shed. The extracted fumes to be scrubbed in the Multi Stage Wet scrubber – comprising of counter current scrubber and ventury scrubber to control the stack emissions within limit of 50 mg/Nm3.

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

6. **This order shall be valid subject to compliance of all other legal requirements applicable to the unit.**

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

This is issued with the approval of the competent authority

SUMAN SANJAY KUMAR
Digitally signed by SUMAN SANJAY KUMAR
Date: 2017.09.07 16:13:31 +05'30'

(Sanjay Kumar Suman)
Member Secretary

Memo No. : JSPCB/HO/RNC/CTE-1655200/2017/461

Dated : 2017-09-07

Copy to : Sri Prabhu Singh of M/s Jai Prabhuji Iron & Steel Pvt. Ltd., C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad /Chief Inspector of Factories, Doranda, Ranchi/ Director of Industries, Ranchi / D.C., Dhanbad / M.D. BIADA, Bokaro/ Regional Office, J.S.P.C. Board, Dhanbad for information and necessary action.

SUMAN SANJAY KUMAR
Digitally signed by SUMAN SANJAY KUMAR
Date: 2017.09.07 16:13:15 +05'30'

(Sanjay Kumar Suman)
Member Secretary

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-17902535/2024/562 Dated : 2024-03-30

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 2024-01-17 of Jai Prabhuji Iron & Steel Pvt. Ltd., Occupier Name :Prabhu Singh 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 issued by MoEF, New Delhi vide Ref. No. F. No. J11011/180/2010-IA.II(I) dated 13.07.2011 for the Expansion of MS Ingots manufacturing from 21,600 TPA to 36,000 TPA and installation of submerged Arc Furnace to manufacture 15,000 TPA of Silico Manganese at Kandra Industrial Area, Dhanbad.

(b) The content of Consent-to-Establish (CTE), vide Ref. No. JSPCB/HO/RNC/CTE-1655200/2017/461, dated 07.09.2017.

(c) The content of Consent to Operate (CTO), Ref No.-JSPCB/HO/RNC/CTO-3706288/2018/1699 dated 30.10.2018 for the production of M S Billets (in place of existing Ingots)- 36,000 TPA, valid upto 31.12.2023.

(d) The content of Inspection Report (I/R) vide Ref. No. 433 dated 22.02.2024 of R.O., JSPCB, Dhanbad.

(e) The content of as a raw material the unit has uploaded letter of self declaration/undertaking to procure Raw material from valid source.

(f) The content of copy of the Lease deed of land made on 10.08.2004, land allotted by BIADA for Kandra Industrial Area. Plot No. C-22 and C-23 (P) area – 1.38 acres for the period of 30 years (on page 5) w.e.f. 26.03.2004 to 25.03.2034 (2) Lease deed of land made on 10.12.2003, land allotted by BIADA for Kandra Industrial Area , Plot No. C-21 and C-24 (P) , Area- 2.0 acres for the period of 30 years (on page 7) w.e.f. 09.10.2003 to 08.10.2033.

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 -Kashitar No. 124 , P S -Kandra Industrial Area , District -DHANBAD , as follows:

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

Before Expansion	At- Kandra Industrial Area at Mauza : Kashitar No. 124, Khata No. : 18, 04, 19, 23, 11, Plot Nos. : C-21 to C-24	3.38 Acres	9.05 Crores	M S Billets with CCM - 36,000 TPA	31/12/2025

(A) Specific Conditions:

1. That, the occupier shall operate and maintain air pollution control Device regularly and keep record of it.

2. That, the occupier shall operate and maintain the Fume Extraction System and submit its report to the Board.

3. That, the occupier shall utilize and dispose slag properly.

4. That, the occupier shall do water sprinkling at all dust generated areas and maintain good house keeping.

5. That, the occupier shall in no case dispose water outside the premises of the unit.

6. That, the occupier shall make the inside work area pucca and maintain it.

7. That, the occupier shall implement rain water harvesting system regularly and shall make arrangement properly to quench rain water.

8. That, the occupier shall do tree plantation in all vacant area of the premises.

9. That, the occupier shall if be found violating the consent to operate at any point of time during inspection of the plant by the competent authority, the consent to operate shall be revoked as per provision of the acts.

10. That, the occupier shall submit compliance of this CTO on yearly basis alongwith the analysis reports.

11. That, the occupier shall submit compliance of EC on six monthly basis to the Board.

12. That, the occupier shall obtain authorization under HoWM Rules' 2016.

13. That, the occupier shall dispose solid waste as per applicable norms.

14. That, the occupier shall made arrangement of fixed type water sprinkling arrangement.

15. 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 documents showing compliance of all of the above conditions.

(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 (SO2), µg/m3	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO2), µg/m3	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM10, µg/m3	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM2.5, µg/m3	Annual 24 hours	40 60	40 60
5.	Ozone(O3), µg/m3	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m3	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m3	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH3) µg/m3	Annual 24 hours	100 400	100 400
9.	Benzene (C6H6) µg/m3	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m3	Annual	01	01
11.	Arsenic (As) ng/m3	Annual	06	06
12.	Nickel (Ni) ng/m3	Annual	20	20

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

(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	Oil & Grease	10 mg/L
2	Total Suspended Solids	100 mg/L
3	BOD	30 mg/L
4	COD	250 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

Ashok Kumar Yadav
Digitally signed by Ashok Kumar Yadav
Date: 2024.03.30 17:55:18 +05'30'

[Ashok Kumar Yadav]
Section Head, Dhanbad

Memo No. : JSPCB/HO/RNC/CTO-17902535/2024/562

Dated : 2024-03-30

Copy to: M/s Jai Prabhuji Iron & Steel Pvt. Ltd., At- C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad/ Director of Industries, Government of Jharkhand, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Chief Inspector of factories, Ranchi/ Deputy Commissioner, Dhanbad/ D.F.O., Dhanbad/D.M.O., Dhanbad/ Regional Officer, R.O., Dhanbad for information & ensuring compliance of the above.

Ashok Kumar Yadav
Digitally signed by Ashok Kumar Yadav
Date: 2024.03.30 17:55:31 +05'30'

[Ashok Kumar Yadav]
Section Head, Dhanbad

Jharkhand State Pollution Control Board

FORM 1

[See Rules 6(1)]

Application Required For Grant/Renewal Of Authorisation For Generation Or Collection Or Storage Or Transport Or Reception Or Recycling Or Reuse Or Recovery Or Pre Processing Or Co- Processing Or Utilisation Or Treatment Or Disposal Of Hazardous And Other Waste

Part A: General(to be filled by all)

1. (a)	Name and address of the unit and location of facility:	Jai Prabhuji Iron & Steel Pvt. Ltd. C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad
(b)	Name of the Occupier of the facility or operator of disposal facility with designation,Tel,Fax and e-mail:	Prabhu Singh/Director/9431122368/jai_prahuji@rediffmail.com
(c)	Authorisation required for(Please tick mark appropriate activity or activities:)	Generation,Collection,Storage,Transportation,Utilisation,Disposal
(d)	In case of renewal of authorization previous authorization numbers and dates and provide copies of annual returns of last three including the compliance reports with respect to the conditions of Prior Environmental Clearance, wherever applicable:)	Not Attatched
2	Nature and quantity of Hazardous waste handled in T/Annum (or) KL/Annum	

Name of Process	Name of Hazardous Waste (Category No)	Quantity	Waste Type	Waste Storage	Waste Disposal	Source of generation of waste	Physical status	Quantity stored at any time	Quantity accumulated as on 31st March
Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications	Used/spent oil	0.10 KL/Annum	Incinerable	Steel Drums	Recovery and Reuse-Captive	Machine Lubrication	Oily	1.10	00 KL

3 a)	Year of commissioning and commencement of Production?	2018
b)	Whether the industry works 1 shift/2 shifts/round the clock?	Round the clock

4	Provide copy of the Emergency Response Plan (ERP) which should address procedures for dealing with emergency situations (viz. Spillage or release or fire) as specified in the guidelines of Central Pollution Control Board. Such ERP shall comprise the following, but not limited to: • Containing and controlling incidents so as to minimise the effects and to limit danger to the persons, environment and property; • Implementing the measures necessary to protect persons and the environment; • Description of the actions which should be taken to control the conditions at events and to limit their consequences, including a description of the safety equipment and resources available; • Arrangements for training staff in the duties which they are expected to perform; • Arrangements for informing concerned authorities and emergency services; and • Arrangements for providing assistance with off-site mitigatory action. (To be attached separately)	Attached
5	Provide undertaking or declaration to comply with all provisions including the scope of submitting bank guarantee in the event of spillage, leakage or fire while handling the hazardous and other waste (To be attached separately)	Attached

Part B: To be filled by hazardous waste generators

a	Products and by-products manufactured (names and product wise quantity per annum):	M.S. Billets – 36000 TPA
b	Process description including process flow sheet indicating Inputs and Outputs (raw materials, chemicals, products, by-products,wastes, emissions, wastewater etc.) Please attach separate sheets:)	Attached
c)	**Characterstics(waste-wise) and Quantic of waste generation per annum:**	

	Schedule	Name of Process	Name of Hazardous Waste (Category No)	Quantity	Characterisitics of each waste	The details of utilization with in the plants such as Reuse/ Recycling/ Recovery/Reprocessing etc	If not utilised within the plant, provide details of what is done with this waste	Details of arrangements for transportation to actual users/ TSDF	Details of the environmental safeguards and environmental facilities provided for safe handling
	Schedule I	Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications	Used/spent oil	0.10 KL/Annum	Oily	Used for Machinelubrication	NA	Transportation done with leakproof covered vehicles	Leakproof and secured vehicles and kept in Steel drums
d)	Hazardous and other wastes generated from storage of hazardous chemicals as defined under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.					,C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad,C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad,C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad,C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad,C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad			

Part C: To be filled by Treatment, storage and disposal facility operators

1)	**Provide details of the facility including:**	
i)	Location of site with layout map:	M.S. Billets – 36000 TPA
ii)	Safe storage of the waste and storage capacity	
iii)	The treatment processes and their capacities	
iv)	Secured Landfills	
v)	Incineration, if any	
vi)	Leachate Collection and Treatment System	
vii)	Fire Fighting Systems	
viii)	Environmental management plan including monitoring	
ix)	Arrangement for transportation of waste from generators	
2)	Provide details of Any other activities undertaken at the Treatment, storage and disposal facility site.	Not Attatched
3)	Attach a Copy of prior Environmental Clearance	Not Attatched

Part D: To be filled by recyclers or pre-processors or co-processors or users of hazardous or other wastes

1.	Nature and quantity of different wastes received per annum from domestic sources or imported or both:		
	Hazardous Wastes Type	Quantity	Source (Domestic/Imported)
2.	Installed capacity as per registration issued by the District Industries Centre or any other authorised Government agency. Provide copy:	Not Attatched	
3.	Provide details of secured storage of wastes including the storage capacity	Not Attached	
4.	Process description including process flow sheet indicating equipment details, inputs and outputs (input wastes, chemicals, products, by-products, waste generated, emissions, waste water, etc.) Attach separate sheets:	Not Attatched	
5.	Provide details of end users of products or by-products	Not Attached	
6.	Provide details of pollution control systems such as Effluent Treatment Plant, scrubbers, etc. including mode of disposal of waste	Not Attached	
7.	Provide details of occupational health and safety measures		
8.	Has the facility been set up as per Central Pollution Control Board guidelines? If yes, provide a report on the compliance with the guidelines:	,,,,,, Not Attached	
9.	Arrangements for transportation of waste to the facility		

Place: **Signature of the Applicant**

Date: **Name and Designation**

Analytical Test Report

Unique Lab Report No.	**TC1288724000000223**				
Report Unique ID	**RP0367241227**			**Issue date/time**	30.03.2024/ 18:52
Discipline	Chemical	**Group**	Atmospheric Pollution	**Sub Group**	Ambient Air Quality

Report Issue to

M/s – JAI PRABHUJI IRON & STEEL PVT.LTD. C-21 to 24, KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD, JHARKHAND		Contact Person	Mr. Prabhu Singh
		Contact Number	+91 9431122368
		Email Id	jai_prahuji@rediffmail.com
Order Number	**18754170**	Order Date	**14.03.2024/ 17:10**

References of Quality Management System *(Steps of Traceability Chain)*

Customer Registration No.	EPIC/PCB/0367	Sample Booking Number	EPIC-241227
Sample(s) Code	241227-(A), (B), (C)	Sample Receipt (D/T)	23.03.2024/ 17:50

Sampling References

Type of Industry	Steel Plant	Ref. of Sampling Plan	EPIC/LAB/R/036
Sampling method used	IS 5182 and CPCB Air Manual Volume – 1 (NAAQM/36/2012-13)		
Sampling Start (D/T)	21.03.2024/ 10:00	Sampling End (D/T)	22.03.2024/ 08:12
Mode of Sampling	Conducted by laboratory	Sample collected by	Mr. Janardan Kumar & team
Description/condition of sample	Receipt sample(s) were fit for analysis		

Environmental Condition during sampling

Weather condition	Clear	Temperature (°C)	26	Humidity %	53	Wind direction	280°-110°

Sampling Location(s) with GPS coordinate(s)

S. Location A	Near Main Gate of Unit	GPS coordinate	23° 50' 58.74"/ 86° 28' 42.24"
S. Location B	Near Cooling Tower	GPS coordinate	23° 50' 55.64"/ 86° 28' 43.48"
S. Location C	Near Raw Material	GPS coordinate	23° 50' 56.47"/ 86° 28' 38.64"

Date(s) of performance of the laboratory activities

Test start date/time	23.03.2024/ 18:00	Test completion date/time	29.03.2024/ 17:30

Sl	Tested Parameters	Method used	Unit	Results			Limits	MU%
				A	B	C		
1.	Particulate Matter (PM_{10})	IS:5182 (P-23) 2022	µg/m³	86.23	75.58	84.33	100	± 3.24
2.	Fine Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24) 2019	µg/m³	44.25	33.96	42.00	60	± 6.65
3.	Sulphur Dioxide (SO_2)	IS:5182 (P-02) 2023	µg/m³	18.70	13.21	16.68	80	± 7.52
4.	Nitrogen Dioxide (NO_2)	IS:5182 (P-06) 2022	µg/m³	35.71	25.74	34.13	80	± 4.53

–Test result End –

Prescribed Limit	Environmental (Protection) Rules, 1986 Schedule VII.
Remarks	Unit was operational during sampling.

Contractual Notes

1. *The laboratory accepts responsibility for content of this report.*
2. *Test performed at laboratory's permanent facility and results relate only to the sample tested in prescribed Date & time*
3. *Laboratory is maintaining: Temperature 25 ± 2°C and Relative Humidity 45 ± 5 % in all testing area as per IS 196:1966*
4. *The Test report shall not be reproduced full or in part & can't be used as proof in the court of law.*
5. *Any complaint about this report should be communicated in writing within 10 days of its issue (epiclabtech@gmail.com)*
6. *Total liability of EPIC LabTech Pvt. Ltd. will be limited to invoiced amount only.*
7. *All disputes are subjected to Ranchi Jurisdiction and maximum liability of the laboratory does not exceed the testing and sampling charges*
8. *Opinion does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any caused by use or misuse of this report.*
9. *When the results are from external provider are marked as * mark.*

Analysed by – Nargish Praween, Supervise by - A.K. Sinha

Laboratory's Seal

Checked by
(B.N. Kumar)
Technical Head

30/3/24
Verified & Issue by
(Umesh Das)
Laboratory Head

Authorized Signatory
EPIC LabTech Pvt. Ltd.
Ranchi, Jharkhand

C/o - R.K. Tripathi, Indrapuri, Road No. - 5, Ranchi, Jharkhand – 834005, India
0651 4666392 9304973994 9304973994 epiclabtech@gmail.com

EPIC LabTech Private Limited
CIN:-U74999JH2022PTC019685
EPIC LabTech Pvt. Ltd.
Accredited by :- NABL vide certificate Number TC- 12887
Jharkhand State Pollution Control Board
Certified by :- ISO 9001:2015 and ISO 45001:2018
TC-12887

Analytical Test Report

Unique Lab Report No.	**TC1288724000000224**				
Report Unique ID	**RP0367241228**			**Issue date/time**	30.03.2024/ 18:55
Discipline	Chemical	**Group**	Atmospheric Pollution	**Sub Group**	Ambient Air Quality

Report Issue to

M/s – **JAI PRABHUJI IRON & STEEL PVT.LTD.** C-21 to 24, KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD, JHARKHAND		Contact Person	Mr. Prabhu Singh
		Contact Number	+91 9431122368
		Email Id	jai_prahuji@rediffmail.com
Order Number	**18754170**	Order Date	**14.03.2024/ 17:10**

References of Quality Management System *(Steps of Traceability Chain)*

Customer Registration No.	EPIC/PCB/0367	Sample Booking Number	EPIC-241228
Sample(s) Code	241228-(A), (B), (C)	Sample Receipt (D/T)	23.03.2024/ 17:55

Sampling References

Type of Industry	Steel Plant	Ref. of Sampling Plan	EPIC/LAB/R/036
Sampling method used	IS 5182 and CPCB Air Manual Volume – 1 (NAAQM/36/2012-13)		
Sampling Start (D/T)	22.03.2024/ 11:00	Sampling End (D/T)	23.03.2024/ 09:10
Mode of Sampling	Conducted by laboratory	Sample collected by	Mr. Janardan Kumar & team
Description/condition of sample	Receipt sample(s) were fit for analysis		

Environmental Condition during sampling

Weather condition	Clear	Temperature (^{0}C)	26	Humidity %	53	Wind direction	280^0-110^0

Sampling Location(s) with GPS coordinate(s)

S. Location A	Near Gate No-2	GPS coordinate	23^0 50' 56.16"/ 86^0 28' 46.99"
S. Location B	Near Weight Bridge	GPS coordinate	23^0 50' 50.36"/ 86^0 28' 47.31"
S. Location C	North Corner of Unit	GPS coordinate	23^0 50' 54.43"/ 86^0 28' 49.28"

Date(s) of performance of the laboratory activities

Test start date/time	23.03.2024/ 18:05	Test completion date/time	29.03.2024/ 17:36

Sl	**Tested Parameters**	**Method used**	**Unit**	**Results**			**Limits**	**MU%**
				A	**B**	**C**		
1.	Particulate Matter (PM_{10})	IS:5182 (P-23) 2022	µg/m^3	82.75	77.63	92.53	100	± 3.24
2.	Fine Particulate Matter ($PM_{2.5}$)	IS 5182 (P-24) 2019	µg/m^3	38.72	36.75	47.67	60	± 6.65
3.	Sulphur Dioxide (SO_2)	IS:5182 (P-02) 2023	µg/m^3	20.19	11.96	14.41	80	± 7.52
4.	Nitrogen Dioxide (NO_2)	IS:5182 (P-06) 2022	µg/m^3	40.81	22.65	30.00	80	± 4.53

–Test result End –

Prescribed Limit	Environmental (Protection) Rules, 1986 Schedule VII
Remarks	Unit was operational during sampling.

Contractual Notes

1. *The laboratory accepts responsibility for content of this report.*
2. *Test performed at laboratory's permanent facility and results relate only to the sample tested in prescribed Date & time*
3. *Laboratory is maintaining Temperature 25 ± 2°C and Relative Humidity 45 ± 5 % in all testing area as per IS 196:1966*
4. *The Test report shall not be reproduced full or in part & can't be used as proof in the court of law.*
5. *Any complaint about this report should be communicated in writing within 10 days of its issue (epiclabtech@gmail.com)*
6. *Total liability of EPIC LabTech Pvt. Ltd. will be limited to invoiced amount only.*
7. *All disputes are subjected to Ranchi Jurisdiction and maximum liability of the laboratory does not exceed the testing and sampling charges*
8. *Opinion does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any caused by use or misuse of this report.*
9. *When the results are from external provider are marked as * mark.*

Analysed by – Nargish Praween, Supervise by - A.K. Sinha

Laboratory's Seal

Checked by
(B.N. Kumar)
Technical Head

Verified & Issue by
(Umesh Das)
Laboratory Head
Authorized Signatory
EPIC LabTech Pvt. Ltd.
Ranchi, Jharkhand

C/o – R.K. Tripathi, Indrapuri, Road No. – 5, Ranchi, Jharkhand – 834005, India
0651 4666392 9304973994 9304973994 epiclabtech@gmail.com

EPIC LabTech Private Limited
CIN:-U74999IH2022PTC019685
EPIC LabTech Pvt. Ltd.
Accredited by :- NABL vide certificate Number TC- 12887
Jharkhand State Pollution Control Board
Certified by :- ISO 9001:2015 and ISO 45001:2018
TC-12887

Analytical Test Report

Unique Lab Report No.	**TC1288724000000225**				
Report Unique ID	**RP0367241229**			**Issue date/time**	30.03.2024/ 18:58
Discipline	Chemical	**Group**	Atmospheric Pollution	**Sub Group**	Ambient Noise

Report Issue to

M/s – **JAI PRABHUJI IRON & STEEL PVT.LTD.** C-21 to 24, KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD, JHARKHAND		Contact Person	Mr. Prabhu Singh
		Contact Number	+91 9431122368
		Email Id	jai_prahuji@rediffmail.com
Order Number	**18754170**	Order Date	**14.03.2024/ 17:10**

References of Quality Management System *(Steps of Traceability Chain)*

Customer Registration No.	EPIC/PCB/0367	Sample Booking Number	EPIC-241229
Sample(s) Code	241229-(A), (B), (C), (D)	Sample Receipt (D/T)	23.03.2024/ 18:00

Sampling References

Type of Industry	Steel Plant	Ref. of Sampling Plan	EPIC/LAB/R/036
Sampling method used	IS 9989:1981 (RA 2020) & CPCB Method S.O.50 (E) dated 11/01/2010		
Sampling Start (D/T)	21.03.2024/ 10:00	Sampling End (D/T)	22.03.2024/ 08:12
Mode of Sampling	Conducted by laboratory	Sample collected by	Mr. Janardan Kumar & team
Description/condition of sample	Receipt sample(s) were fit for analysis.		

Environmental Condition during sampling

Weather condition	Clear	Temperature (^{0}C)	26	Humidity %	53	Wind direction	280^0-110^0

Sampling Location(s) with GPS coordinate(s)

S. Location A	Near Main Gate of Unit	GPS coordinate	23^0 50' 58.74"/ 86^0 28' 42.24"
S. Location B	Near Cooling Tower	GPS coordinate	23^0 50' 56.64"/ 86^0 28' 43.48"
S. Location C	Near Gate No.2	GPS coordinate	23^0 50' 56.16"/ 86^0 28' 46.99"
S. Location D	Weight Bridge	GPS coordinate	23^0 50' 50.36"/ 86^0 28' 47.31"

Date(s) of performance of the laboratory activities

Test start date/time	23.03.2024/ 18:10	Test completion date/time	29.03.2024/ 17:40

Sl	Test Parameters	Method used	Unit	Results				Limits	MU%
				A	B	C	D		
1.	Leq (Day time)	IS: 9989:1981	dB (A)	67.9	72.0	61.9	70.2	75	± 2.39
2.	Leq (Night time)	IS: 9989:1981	dB (A)	54.8	61.0	47.0	54.2	70	± 2.39
Prescribed Limit		The Noise Pollution (Regulation and Control) Rules, 2000.							
Remarks		Unit was operational during sampling.							

Contractual Notes

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9. *Where the results are from external provider are marked as * mark.*

Analysed by - A.K. Sinha

Laboratory's Seal

Checked by
(B.N. Kumar)
Technical Head

30/3/24

Verified & Issue by
(Umesh Das)
Laboratory Head

Authorized Signatory
EPIC LabTech Pvt. Ltd.
Ranchi, Jharkhand

C/o - R.K. Tripathi, Indrapuri, Road No. - 5, Ranchi, Jharkhand - 834005, India
0651 4666392 9304973994 9304973994 epiclabtech@gmail.com

EPIC LabTech Private Limited
CIN:-U74999JH2022PTC019685
Accredited by :- NABL vide certificate Number TC- 12887
Jharkhand State Pollution Control Board
Certified by :- ISO 9001:2015 and ISO 45001:2018
TC-12887

Analytical Test Report

Unique Lab Report No.	**TC1288724000000226**				
Report Unique ID	**RP0367241230**			**Issue date/time**	30.03.2024/ 19:00
Discipline	Chemical	**Group**	Atmospheric Pollution	**Sub Group**	Stack Emission

Report Issue to

M/s – **JAI PRABHUJI IRON & STEEL PVT.LTD.** C-21 to 24, KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD, JHARKHAND	Contact Person	Mr. Prabhu Singh
	Contact Number	+91 9431122368
	Email Id	jai_prahuji@rediffmail.com
Order Number: **18754170**	Order Date	**14.03.2024/ 17:10**

References of Quality Management System *(Steps of Traceability Chain)*

Customer Registration No.	EPIC/PCB/0367	Sample Booking Number	EPIC-241230
Sample(s) Code	241230	Sample Receipt (D/T)	23.03.2024/ 18:05

Sampling References

Type of Industry	Steel Plant	Ref. of Sampling Plan	EPIC/LAB/R/036
Sampling method used	IS: 11255 & CPCB Guideline (Lats/80/2013-14)		
Sampling Start (D/T)	22.03.2024/ 15:00	Sampling End (D/T)	22.03.2024/ 16:50
Mode of Sampling	Conducted by laboratory	Sample collected by	Mr. Janardan Kumar & team
Description/condition of sample	Receipt sample(s) were fit for analysis		

Environmental Condition during sampling

Weather condition	Clear	Temperature (°C)	28	Humidity %	56	Wind direction	280°-110°

Sampling Location(s) with GPS coordinate(s)

S. Location	Stack Port hole	GPS coordinate	23° 50' 51.93"/ 86° 28' 45.79"

Field Observations

Field observation by laboratory's personnel		Data provided by customer	
Platform	Permanent	*Type of fuel Used*	Electricity
Stack Description (Shape & Material)	Circular/ Metal	*Quantity of Fuel Used*	N/A
Sampling port hole	Available	*Total production Capacity*	36000 MT/ Annum
Pollution Controlling Device (if any)	Bag Filter	*Height of Stack from ground level*	30.48m
Emission Source	Induction Furnace	*Inner Diameter of Stack*	0.35
Total Number of Oven (if any)	N/A	*Height of port hole from Ground level*	9.40m
Running Oven during sampling (if any)	N/A	*ID fan capacity of PCD*	1450RPM
Test start date/time	23.03.2024/ 18:15	Test completion date/time	29.03.2024/ 18:05

Sl	Parameters	Test Method	Units	Results	Limits	MU %
1.	Stack gas Velocity	IS 11255 (Part 3)2018	m/s	11.37		
2.	Volumetric Flow Rate	IS 11255 (Part 3)2018	Nm^3/hr	3002.31		
3.	Particulate Matter (PM)	IS 11255 (Part 1)2019	mg/Nm^3	28.97	150.0	±1.34
4.	Sulphur Dioxide (SO_2)	IS 11255 (Part 2)2019	mg/Nm^3	16.27		
5.	Oxides of Nitrogen (NO_x)	IS 11255 (Part 7)2022	mg/Nm^3	27.60		

****Test result End ****

Prescribed Limit	Environmental (Protection) Rules, 1986 Schedule I, Serial No. 32.
Remarks	Unit was operational during sampling.

Contractual Notes

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5. *Any complaint about this report should be communicated in writing within 7 days of its issue (epiclabtech@gmail.com)*
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7. *All disputes are subjected to Ranchi Jurisdiction and maximum liability of the laboratory does not exceed the testing and sampling charges.*
8. *Opinion does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any caused by use or misuse of this report.*
9. *When the results are from external provider are marked as * mark.*

Analysed by – A.K. Sinha

Laboratory's Seal

Checked by
(B.N. Kumar)
Technical Head

30/3/24

Verified & Issue by
(Umesh Das)
Laboratory Manager

Authorized Signatory
EPIC LabTech Pvt. Ltd.
Ranchi, Jharkhand

Analytical Test Report

Unique Lab Report No.	**TC1288724000000227**				
Report Unique ID	**RP0367241231**			**Issue date/time**	30.03.2024/ 19:03
Discipline	Chemical	**Group**	Pollution & Environment	**Sub Group**	Waste water(Effluent)

Report Issue to

M/s – **JAI PRABHUJI IRON & STEEL PVT.LTD.** C-21 to 24, KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD, JHARKHAND		Contact Person	Mr. Prabhu Singh
		Contact Number	+91 9431122368
		Email Id	jai_prahuji@rediffmail.com
Order Number	**18754170**	Order Date	**14.03.2024/ 17:10**

References of Quality Management System *(Steps of Traceability Chain)*

Customer Registration No.	EPIC/PCB/0367	Sample Booking Number	EPIC-241231
Sample(s) Code	241231	Sample Receipt (D/T)	23.03.2024/ 18:10

Sampling References

Type of Industry	Steel Plant	Ref. of Sampling Plan	EPIC/LAB/R/036
Sampling method used	IS : 3025 (Part-1) 1987, R-2003		
Sampling Start (D/T)	23.03.2024/ 10:20	Sampling End (D/T)	23.03.2024/ 10:25
Mode of Sampling	Conducted by Laboratory	Sample collected by	Mr. Janardan Kumar & team
Description/condition of sample	Receipt sample(s) were fit for analysis.		

Environmental Condition during sampling

Weather condition	Clear	Temperature (°C)	27	Humidity %	55	Wind direction	280°-110°

Sampling Location(s) with GPS coordinate(s)

S. Location A	ETP Inlet	GPS coordinate	23° 50' 54.66"/ 86° 28' 48.79"
Test start date	23.03.2024/ 18:20	Test completion date	29.03.2024/ 17:05

Sl	Test Parameters	Method used	Unit	Results	Limits	MU%
1.	Phenolic Compound	IS 3025 (P-43/ Sec-1) 2022	mg/l	0.2	-	-
2.	Total Suspended Solid	IS 3025 (P-17) 2022	mg/l	108.00	-	-
3.	pH value at 25°C	IS 3025 (P-11) 2022	-	06.74	-	-
4.	Temperature	IS 3025 (P-09) 1984	°C	24.8	-	-
5.	BOD (3 days 27°C)	IS 3025 (P-44) 2000	mg/l	94.00	-	-
6.	COD	IS 3025 (P-58) 2006	mg/l	388.00	-	-
7.	Oil & Grease	IS 3025 (P-39) 2021	mg/l	11.4	-	-
8.	Chloride (as Cl)	IS 3025 (P-32) 2019	mg/l	215.93	-	-
9.	Sulphate (as SO_4)	IS 3025 (P-24/ Sec-1)2022	mg/l	79.77	-	-
10.	Nitrate Nitrogen	APHA 4500 NO_3 B 2023	mg/l	26.96	-	-

–Test result End –

Prescribed Limit	Not Applicable
Remarks	Unit was operational during sampling.

Contractual Notes

1. *The laboratory accepts responsibility for content of this report.*
2. *Test performed at laboratory's permanent facility and results relate only to the sample tested in prescribed Date & time*
3. *Laboratory is maintaining, Temperature 25 ± 2°C and Relative Humidity 45 ± 5 % in all testing area as per IS 196:1966*
4. *The Test report shall not be reproduced full or in part & can't be used as proof in the court of law.*
5. *Any complaint about this report should be communicated in writing within 10 days of its issue (epiclabtech@gmail.com)*
6. *Total liability of EPIC LabTech Pvt/ Ltd. will be limited to invoiced amount only.*
7. *All disputes are subjected to Ranchi Jurisdiction and maximum liability of the laboratory does not exceed the testing and sampling charges*
8. *Opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any caused by use or misuse of this report.*
9. *When the results are from external provider are marked as * mark.*

Analysed by – Pratima Kumari/ Nisha Kumari

Laboratory's Seal

Checked by
(B.N. Kumar)
Technical Head

30/3/24
Verified & Issue by
(U.K. Das)
Laboratory Head
Authorized Signatory
EPIC LabTech Pvt. Ltd.
Ranchi, Jharkhand

C/o - R.K. Tripathi, Indrapuri, Road No. - 5, Ranchi, Jharkhand – 834005, India
0651 4666392 9304973994 9304973994 epiclabtech@gmail.com

EPIC LabTech Private Limited
CIN:-U74999JH2022PTC019685
EPIC LabTech Pvt. Ltd.
Accredited by :- NABL vide certificate Number TC- 12887
Jharkhand State Pollution Control Board
Certified by :- ISO 9001:2015 and ISO 45001:2018
TC-12887

Analytical Test Report

Unique Lab Report No.	**TC1288724000000228**				
Report Unique ID	**RP0367241232**			**Issue date/time**	30.03.2024/ 19:05
Discipline	Chemical	**Group**	Pollution & Environment	**Sub Group**	Waste water(Effluent)

Report Issue to

M/s – **JAI PRABHUJI IRON & STEEL PVT.LTD.** C-21 to 24, KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD, JHARKHAND		Contact Person	Mr. Prabhu Singh
		Contact Number	+91 9431122368
		Email Id	jai_prahuji@rediffmail.com
Order Number	**18754170**	Order Date	**14.03.2024/ 17:10**

References of Quality Management System *(Steps of Traceability Chain)*

Customer Registration No.	EPIC/PCB/0367	Sample Booking Number	EPIC-241232
Sample(s) Code	241232	Sample Receipt (D/T)	23.03.2024/ 18:15

Sampling References

Type of Industry	Steel Plant	Ref. of Sampling Plan	EPIC/LAB/R/036
Sampling method used	IS : 3025 (Part-1) 1987, R-2003		
Sampling Start (D/T)	23.03.2024/ 11:05	Sampling End (D/T)	23.03.2024/ 11:20
Mode of Sampling	Conducted by Laboratory	Sample collected by	Mr. Janardan Kumar & team
Description/condition of sample	Receipt sample(s) were fit for analysis.		

Environmental Condition during sampling

Weather condition	Clear	Temperature (^{0}C)	27	Humidity %	55	Wind direction	280^0-110^0

Sampling Location(s) with GPS coordinate(s)

S. Location A	ETP Outlet	GPS coordinate	23^0 50' 55.13"/ 86^0 28' 27.23"
Test start date	23.03.2024/ 18:20	Test completion date	29.03.2024/ 17:07

Sl	Test Parameters	Method used	Unit	Results	Limits	MU%
1.	Temperature	IS 3025 (P-09) 1984	^{0}C	24.2	-	±0.38
2.	Total Suspended Solid	IS 3025 (P-17) 2022	mg/l	20.00	100.00	±3.22
3.	pH value at 25^{0}C	IS 3025 (P-11) 2022	-	06.98	5.5-9.0	±0.62
4.	Chloride (as Cl)	IS 3025 (P-32) 2019	mg/l	187.94	-	±1.65
5.	BOD (3 days 27^{0}C)	IS 3025 (P-44) 2000	mg/l	22.00	30.00	±2.71
6.	COD	IS 3025 (P-58) 2006	mg/l	160.00	250.00	±1.43
7.	Oil & Grease	IS 3025 (P-39) 2021	mg/l	05.1	10.00	±1.55
8.	Sulphate (as SO_4)	IS 3025 (P-24/Sec-1) 2022	mg/l	39.44	-	±0.46
9.	Phenolic Compound	IS 3025 (P-43/Sec-1) 2022	mg/l	BDL(MDL-0.01)	1.0	±4.15
10.	Nitrate Nitrogen	APHA 4500 NO_3 B 2023	mg/l	05.62	10.00	±0.13

–Test result End –

Prescribed Limit	Environmental (Protection) Rules, 1986 Schedule VI.
Remarks	Unit was operational during sampling.

Contractual Notes

1. *The laboratory accepts responsibility for content of this report.*
2. *Test performed at laboratory's permanent facility and results relate only to the sample tested in prescribed Date & time.*
3. *Laboratory is maintaining Temperature 25 ± 2^{0}C and Relative Humidity 45 ± 5 % in all testing area as per IS 196:1966.*
4. *The Test report shall not be reproduced full or in part & can't be used as proof in the court of law.*
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9. *When the results are from external provider are marked as * mark.*

Analysed by – Pratima Kumari/ Nisha Kumari

Checked by
(B.N. Kumar)
Technical Head

Verified & Issue by
(U.K. Das)
Laboratory Head

Laboratory's Seal

Authorized Signatory
EPIC LabTech Pvt. Ltd.
Ranchi, Jharkhand

C/o - R.K. Tripathi, Indrapuri, Road No. - 5, Ranchi, Jharkhand – 834005, India
0651 4666392 9304973994 9304973994 epiclabtech@gmail.com

LETTER NO.7/DP 10 17/2018 मु०नि०(मु०का०नि०)- 709

Office of the Chief Inspector of Factories, Jharkhand

Labour Building, Doranda, Ranchi.-834002

(Tel No.-0651-2480454, Fax No.-0651-2481224 Email ID- cif.jhr@gmail.com)

From,

Chief Inspector of Factories, Jharkhand,
Ranchi.

To,

The Occupier,
M/s Jai Prabhu Ji Iron & Steel Pvt. Ltd.,
At- C-21-24 Kandra Industrial Area, P.O.- Govindpur,
District- Dhanbad,
PIN- 833220.

Ranchi, Dated- 28.05.2018

Subject: Recommendation of inside and outside disaster plan of M/s Jai Prabhu Ji Iron & Steel Pvt. Ltd, Govindpur, Dhanbad.

Reference: Inspector of Factories, Dhanbad Circle No- 01, Dhanbad office letter no-58, dated-18.05.2018.

Sir,

The inside and outside disaster plan Submitted by you through Inspector of Factories, Dhanbad Circle No- 01, Dhanbad have been examined and the same is recommended subject to the following conditions: -

1. Regular Mock- drill shall be carried out in the factory at least once in every year and a detailed report should be made immediately available to the Chief Inspector of Factories, Jharkhand, Ranchi Office.
2. A detailed safety audit report conducted by an experienced outside agency shall be submitted along with details of health & safety policy of your factory.
3. The disaster plan will be up-dated and revised if there is any modification in the plant, process or industrial activity.
4. Adequate arrangement of medical/ relief facilities (first aid equipments etc.) should be provided and maintained in the emergency control room.
5. Telephone number of key persons to be noted and displayed in the central control room.

A copy of the recommended plan is enclosed herewith.

Yours Faithfully

28.05.18

(Arun Kumar Mishra)
Chief Inspector of Factories Jharkhand,
Ranchi.

NEXGEN INDUSTRIAL SAFETY TESTING

NIST

Competent Organisation
(Approved by the Chief Inspector of Factories Govt. of Jharkhand)

Head Office : Children Convent, Indrapuri - 2, Ratu Road, Ranchi - 834005
Mobile No. : 9431380908, 9669418800, 07748005555
E-mail : jaipuriar58@rediffmail.com

Head Office : Testing of Lifting Tackles / Tools / Cranes & Building Stability (U/S 3A)
Under Factories Act 1948

SHEKHER JAIPURIAR
Competent Person

KUMAR UJJWAL
Competent Person

Ref. No. NIST/IP/IO/01/2018 Date 30/04/2018

M/S JAI PRABHU JI IRON & STEEL PVT.LTD.

AT-C-21-24 KANDRA INDUSTRIAL AREA

P.O- GOVINDPUR DIST-DHANBAD

(JHARKHAND)

INSIDE & OUTSIDE

DISASTER PLAN

2018

Shekher Jaipuriar

SHEKHER JAIPURIAR
DIRECTOR
NEXGEN INDUSTRIAL SAFETY TESTING
COMPETENT PERSON

BY

NEXGEN INDUSTRIAL SAFETY TESTING

NEXGEN INDUSTRIAL SAFETY TESTING

Office : Flat No. 202, Kaveri-1, Trivenipuram, Dumardaga, Booty More, Ranchi - 835217

M/S JAI PRABHU JI IRON & STEEL PVT.LTD.

AT- C-21-24 KANDRA INDUSTRIAL AREA,

P.O-GOVINDPUR DIST-DHANBAD (JHARKHAND)

INSIDE & OUTSIDE DISASTER PLAN

SHEKHER JAIPURIAR
DIRECTOR
NEXGEN INDUSTRIAL SAFETY TESTING
COMPETENT PERSON

30/04/2018

SHEKHER JAIPURIAR
COMPETENT PERSON

FORWARD

INSIDE & OUTSIDE DISASTER PLAN is a documented planning to tackle and mitigate any catastrophic or hazardous situation creating disaster like situation in a plant or factory. In addition to ensure safety to the extent possible, the document also takes care of the provisions and requirements of following Acts/Rule.

1. The Factories Act — 1948
2. Bihar Factories Rules — 1950
3. Factories Act (Amendment) — 1987
4. Hazardous Wastes (Management & Handling) Rules — 1989
5. Environment (Protection) Rules - 1986

The support extended by the Director as well as the Officers in the preparation of this document is well appreciated.

It is felt strongly that this document shall go a long way to improve the preparedness for any disaster in the Factory.

SHEKHER JAIPURIAR
COMPETENT PERSON

INDEX

1. Introduction
2. Safety
3. Medical Aid and services
4. Salvage and fire fighting
5. Disaster management
6. Major risk occurrence
7. Public awareness system
8. ANNEX: INDEX

ANNEXURE -I

ANNEXURE -II

RECOMMENDED WITH THE
CONDITIONS MENTIONED IN
THIS OFFICE LETTER No. 709
DATED 28.05.2018

28/5/18

Chief Inspector of Factories, Jharkhand
Ranchi

M/s JAI PRABHU JI IRON & STEEL PVT.LTD. Engaged in the Production of M.S. INGOTS. The factory is in KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD (JHARKHAND)

B- The factory has been established in the year of 2004

C- : The effect of any major accident that might occur naturally or physically can be minimized by putting into effect disaster plan. Disaster planning is just one means or ensuring surety or natural climates. It can be consider in isolation and its proper place is also to back-up the preventive measures which can be summarized as follows:

(i) To ensure that the plant and storage vessels and designed and installed to a good standard and in a location where hazardous are unlikely to arise from other plant or building nearby.

(ii) To ensure that proper work routings and effective maintenance procedures are set up.

(iii) To assess, what could still happen to cause an disaster situation further preventing may still be possible.

(iv) To asses, what damages could arise to the people both on side and off side as result of these foreseeable and these could be mitigate by planned remedial and rescue measure.

D- Information, in details, regarding any disaster which might have occurred in this factory in the past. This information should be given in the Table 1(ANNEXURE II).

E- The main objective of the plan are to take immediate actions to meet any emergent situation making maximum use of the combined in—

(i) Plant and allied resources for the most effective, speedy and efficient rescue and relief operations. Those are briefly enumerated below.

(ii) To cordon and isolate the affected area for smooth rescue operation.

(iii)It will also show in true sense the awareness of management towards the safety of the personnel, properties as well as environment.

(iv)The plant will also provide the quick relief and rehabilitation.

(v) To rescue and treat casualties and safe guard the rest.

(vi)To identify any dead and provide for the needs of the relatives.

(vii) To provide necessary information to statuary agencies.

(viii) To provide information to the new media.

B-3: HOUSEKEEPING:

It is good to notice continuous improvement in house keeping. In factory housekeeping does not only mean cleanliness, but a place for everything and everything in its place. Cleaning and house keeping tasks are unpopular with workers because they are considered menial and with management who often consider them to be unproductive. It is well known fact that poor housekeeping is a major factor in accident causation leading to human injury and loss to productivity. Therefore, continuous effort of the management should be applied to make housekeeping good. Good housekeeping also demands knowledge, cooperation and participation for the employees. Hence, the need for training and instructing employees and motivating them to follow good practices is also necessary.

All workplaces, machinery/plants/equipments and ways were found in neat and clean condition and nowhere was found any untidiness. There are provided easy means of access to all part of the plant and floors, platforms, stairways and passageways and gangways are kept free from obstructions.

There is a system made for housekeeping to be good and effective. Every Saturday from 11 AM to 12 Noon team of senior officers visit various locations of the plant to check the cleanliness and see that everything is on its place.

B-4: STORAGE:

A. Diesel is used for generating hot water in the HOT WATER GENERATORS installed in the factory and also for running the DG-Set for which it is kept stored also. The auto —ignition temp (b) explosive.Limits and (c) flash — points of the substances are: (a) 256.6°C; (b) 0.7 to 5% by volume, and (c) 22°C to 96°C respectively.

(i) Petroleum products including the Diesel are hazardous when the properties of vapor and air are in explosive range. A source of ignition such as a match, electrical spark, a spark from steel from steel of lint, a which is undertaken with a view to suggest improvement and up gradation.

(ii) Safety Audit is a useful technique to test the effectiveness of the company's safety program. It keeps the operating personal alert to process hazards, reviews operating procedure of necessary revision, seeks to identify hazardous equipment or process changes.

(iii) Safety Audit means systematic critical examination of an industrial operation to identify potential hazards and level of risks.

(iv) Safety Audit is an important tool intended to assist management in its basic aim to achieve a highly efficient and profitable operation.

B. It is also suggested that the person in charge of transfer, operation shall ensure that transfer, operation and stopped in the event of :

a) Any leakage observed.

b) A fire occurring in a vicinity.

- It was told that necessary instruction have been given in regard. The suggestion regarding lifting machines, lifting tackles and pressure vessel/compressors in the earlier audits are being complied.

C. The board objective is to critically evaluate the safety program, particularly the system, to identify and control the hazards and check the audit does not comply with minimum statutory standards but also it meet the standard code of practice.

The specific objectives are:

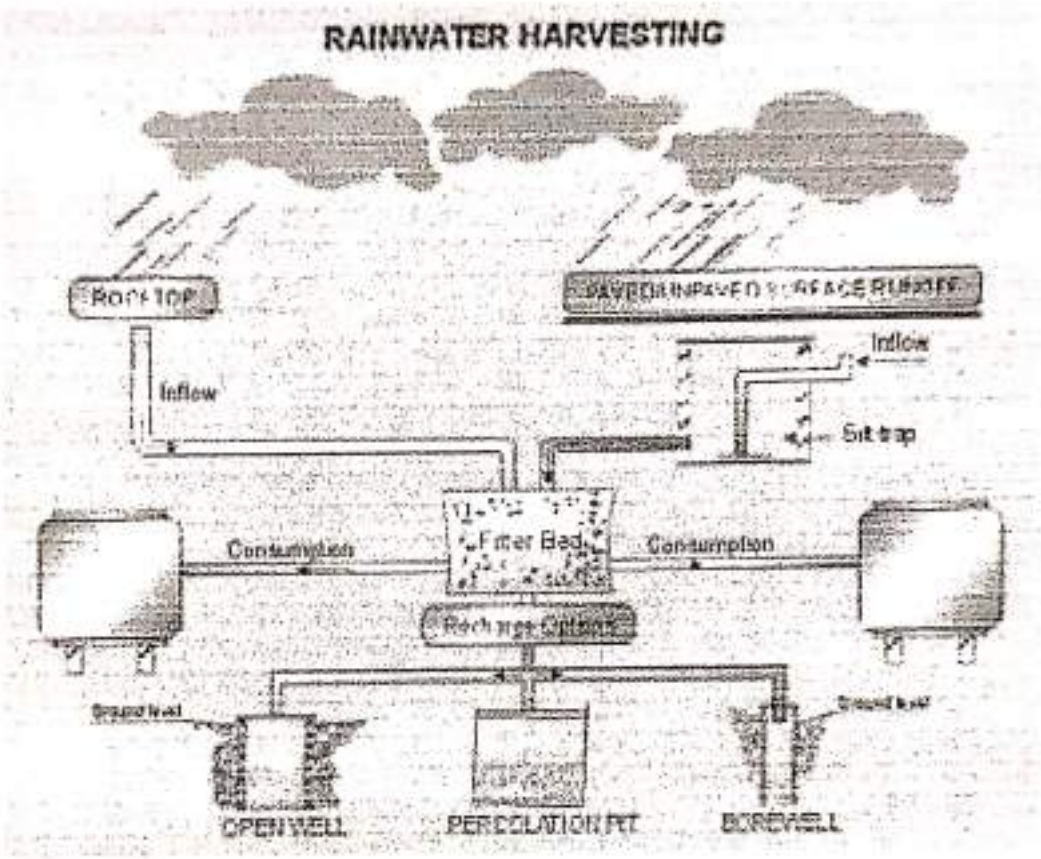
- To see the operation/ maintenance is carried out and check that there are normal practices.

- To rectify and bring forth any design or process deficiency which has come up during expansion, modification or the course of time.
- To specify the area of high risks and recommended then for more detail risk analysis studies.
- To check the plant personal on safety and loss prevention.
- To look into waste management and environment control.
- To expose overall conditions of the plant.

13-5: RAINWATER HARVESTING:

Rainwater harvesting is the accumulation and deposition or rainwater for reuse before it reaches the aquifer. Uses include water for garden, water for livestock, water for irrigation, and indoor heating for houses etc. In many places the water collected is just redirected to a deep pit with percolation. The harvested water can be used as drinking water as well as for storage and other purpose. It provides an independent water supply during regional water restrictions and in developed countries is often used to supplement the main supply. It provides water when there is a drought, can help mitigate flooding of low - lying areas, and reduces

demand on wells which may enable ground water levels to be sustained. It also helps in the availability of potable water as rainwater is substantiality free of salinity and other salts.



Quality:

The concentration of contaminants is reduced significantly by diverting the initial flow of run-off water to waste. Improved water quality can also be obtained by using a floating draw-off mechanism (rather than from the base of the tank) and by using a series of tanks, with draw from the last in series. The stored rainwater may need to be analyzed properly before use in a way appropriate to ensure its safe use. The quality of

collected rainwater is generally better than that of surface water. Contamination is always possible by airborne dust and mists, bird feces, and other debris, so some treatment may be necessary, depending on how the water will be used.

System setup:

Rainwater harvesting systems can be installed with minimal skills. The system should be sized to meet the water demand throughout the dry season since it must be big enough to support daily water consumption. Specifically, the rainfall capturing area such as a building roof must be large enough to maintain adequate flow. The water storage tank size should be large enough to contain the captured water.

Rain water harvesting is possible by growing fresh water flooded forests without losing the income from the used / submerged land. The main purpose of the rain water harvesting is to utilize the locally available rain water to meet water requirements throughout the year without the need of huge capital expenditure. This would facilitate availability of uncontaminated water for domestic, industrial and irrigation needs.

New approaches:

Instead of using the roof for catchments, the Rain Saucer, which looks like an upside down umbrella, collects rain straight from the sky. This decreases the potential for contamination and makes potable water for developing countries a potential application. Other applications of this free standing rainwater collection approach are sustainable gardening and small plot farming.

Rainwater harvesting was done in the Indian states of Madhya Pradesh, Maharashtra, and Chhattisgarh in the olden days. Ratanpur, in the state of Chhattisgairh, had around 150 ponds. Most of the tanks or ponds were utilized in agriculture works.

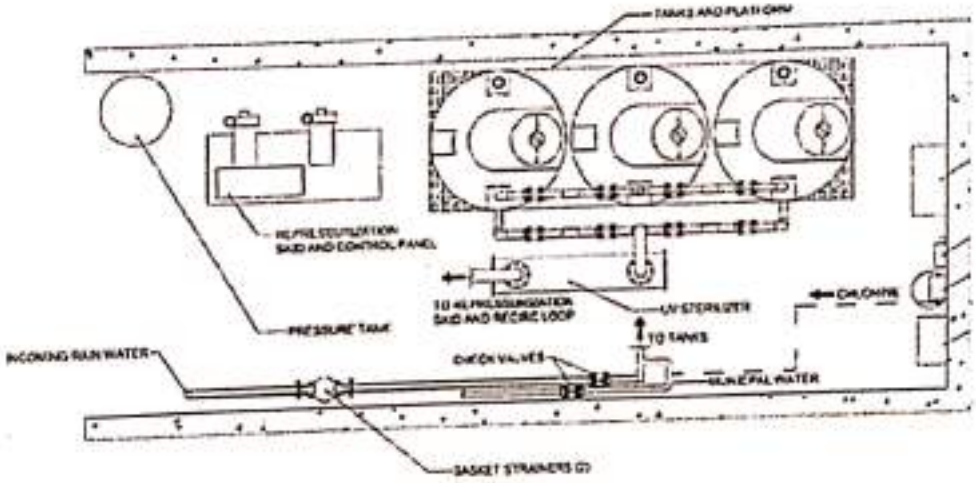
- In the state of Tamil Nadu, rainwater harvesting was made compulsory for every building to avoid ground water depletion. It proved excellent results within five years, and every states took it as role model. Since its implementation, Chennai saw a 50 percent rise in water level in five years and the water quality significantly improved.

- In Rajasthan, rainwater harvesting has traditionally been practiced by the people of the Thar Desert. There are many ancient water harvesting systems in Rajasthan, which have now been revived

Water harvesting systems are widely used in other areas of Rajasthan as well, for example the chukka system from the Jaipur district.

- At present, in Pune (in Maharashtra), rainwater harvesting is compulsory for any new society to be registered.

• An attempt has been made at Dept. of Chemical Engineering, HSc, Bangalore to harvest rainwater using upper surface of a solar still, which was used for water distillation



HARVESTED WATER STORAGE:

Storage of the rainwater is determined by the demand and uses for the water, available rainwater and groundwater volume and frequency, and space to locate the tanks.

APPLYING HARVESTED WATER:

A depressurization system is required to move the rainwater to toilets throughout the building. Typically, the system includes duplex pumps in tandem with each pump alternating in operation. It is important to properly size the pumps so that adequate pressure and volume is available at the farthest — and highest altitude — end point in the system.

H-6: TRANSPORTATION:

Following vehicles are available with the plant for transport on ownership or contract basis

Hired vehicles can also be arranged within a short notice in case of any disaster.

B-7: (A) (i) Safety Audit is an important and useful technique for industrial managements whereby they can obtain a systematic critical appraisal of the effectiveness of a company's safety programmed which is undertaken with a view to suggest improvement and up gradation.

(ii) Safety Audit is a useful technique to test the effectiveness of a company's satiety program. It keeps me operating personal alert to

process hazards, reviews operating procedure for necessary revision, seeks to identify hazardous equipments or process changes.

(iii) Safety Audit means a systematic critical examination of an Industrial operation to identify potential hazards and level of risks.

(iv) Safety Audit is an important tool intended to assist management in its basic aim to achieve a highly efficient and profitable operation.

(B) It is also suggested that the person in charge of transfer, Operation shall ensure that transfer, operation are stopped In the event of:

a) Any leakage observed

b) A fire occurring in the vicinity

It was told that necessary instruction have been given in regard.

The suggestions regarding lilting machines, lilting tackles and pressure vessels/compressors in the earlier audits are being complied.

H-S : (A) The board objective is to critically evaluate the satety program, Particularly the system, to identify and control the hazards and

Check that audit does not comply with minimum statutory standards but also it meets the standard code of practice.

The specific objectives are:

* To see the operation / maintenance is carried out and check that there are normal practices.

* To rectify and bring forth any design or process deficiency which has come up during expansion, modification or the course of time.

* To specify the area of high risks and recommend them for more detail risk analysis studies.

* To check the plant personnel for security training, fire fighting and management of the plant emergencies.

*To see whether the organization meets the statutory rules and regulations of the Government or not.

*To educate plant personnel on safety and loss prevention.

*To look into waste management and environment control.

*To expose overall conditions of the plant.

(B) SAFETY COMMITTEE:

Safety committee plays a very important role in implementing the safety and loss prevention program of a company. Workers participation is very significant in the sanity committee. The management have formed safety committee consisting of equal number of representative of workers and management. It snoring be ensured that safety committee meets as often as necessary but at least once in very quarter. It was reported that sanity committee meets quarterly. The tenure of the safety committee should not exceed two years and the workers representative of the committee be elected by the workers.

Safety committee plays a very important role and is one of the most management's safety functions. Most of the safety activities and workers complaints and suggestions are implemented through this committee.

FUNCTIONS & DUTIES OF SAFETY COMMITTEE:

- Promoting co-operation between the workers and the management in maintaining proper safety and health at work and reviewing periodically the measures in this regard.
- Creating safety awareness amongst all workers and under taking educational training and promotional activities.
- Carrying out health and safety surveys and identifying the causes of accident.
- Looking into the complaints made on the likely hood of an eminent danger.
- Reviewing the implementations of the recommendations made by it.

(C) : It was informed that inspections being done on regular basis, checklist being reviewed for all work areas and corrective action developed on the basis of the findings of the inspections are implemented and monitored.

Besides regular inspection some necessary inspections are to be carried to meet the statutory requirements (e.g. inspection/examination

of pressure vessels, lifting machines, lifting tackle, etc.) These inspection are carried out as specified in statutes. Inspection also helps the safety management program in many other ways:

- Regular inspection carried out in plant cannot escape the notice of workmen. This in effect, is an indirect way of demonstrating the managements interest in me safety and welfare of employees and thus contributes to better plant relations.

- Safety inspection brings to light areas where waste can decreased, processes can be improved and productivity increased. This results in better management of resource.

- Safety inspection results in contact with the employees and discussions with them on their difficulties in ensuring safety. Apart from the fact that this will bring forth useful suggestions for employees; such contacts automatically results in better understanding and mutual help which leads to all round success of the safety program.

3. Medical Aid and services: c (1- 4)

C-1: (A) in view of the number of workers employed in the factory a whole — time Medical Officer is not required to be employed statutorily in the factory. However 7{seven) Nos. FIRST-AID-BOXES are maintained, and company. They contain all the medicines and the contents as prescribed under Rule 4 (c) of the Jharkhand Factories Rules. Vehicle is also to teat and carry the injured persons respectively to the hospital have been provided. The company have made arrangements with the local hospital (Gobindpur Government Hospital,) at 4 KMS. FIRST AID BOXES, is kept in the office of the factory. They contain all the medicines and the contents as prescribed under Rule 64(c) of the Jharkhand Factories Rules.

(B) In addition to the services mentioned above, a room having good ventilation, plenty of light (both natural and artificial) conveniently located in respect of the plants of the factory and close to the entrance of the factory with ruining water and toilet close-by (First-Aid Room) with the following equipment shall be provided: -

(a) Stretches	1 Nos.
(b) Blankets:	1 Nos.

(c) Moveable Curtains

(C) In the factory, a room been earmarked known as FIRST - AID-POST. The following medicines are also available.

i) Medicine — for treatment of common ointment.

ii) Surgical — Sterilized dressing materials antiseptic lotions.

iii) Burns — Lotions & ointments for burn injuries.

D. As stated by the management. 4 (FOUR) persons is trained in giving First-Aid.

Sl. No.	**Name of the Staff**
1.	SRI SINGHASHAN SINGH
2.	SRI RIZWAN AFTAB

(E) Employees are the assets of the company. Special care and more attention is therefore, paid to their health and safety. Medical check-up of the employees is performed by the company doctors engaged by the company. A first-aid kit is always kept in readiness in the plant control room. Services of Mr. SINGHASHAN SINGH is taken for indoor medical treatment of employees.

C-2: (Al Following medical facilities are available near the plant whose services can be utilized as per requirements:

Sl. No.	NAME (Public Hospitals, Nursing Home)	Location	Distance
1	ASRAFI HOSPITAL	BARAMURI	8KMS
2.	OM SAI HOSPITAL	GOVINDPUR	5 KMS

C-3: In case of disaster medical facilities are available in near vicinity. Vehicle are available with the plant for Disaster on ownership or contract basis.

Hired vehicles can also be arranged within a short notice in case of any disaster.

C-4: Evacuation, rescue and medical relief to the affected people will be initiated and continued in the affected area with the help of local police and nearby industries till the control of situation is taken over by the district magistrate or his representative.

4. Salvage and fire fighting: D(l-5)

D-1: Discussed with Mr. SINGHASHAN SINGH who have ultimate control over the entire fire fighting arrangement in the plant. At stated by them SIX (10) Nos. of Fire extinguishers are available in the plant.

D-2: The Company is maintaining close liaison with nearby industries and there are fighting services. In case of any emergencies arising out of adverse situation, the fire-fighting services as aforesaid can be obtained on request to tilde the situation.

D-3 Sufficient water is always available for meeting the fire hazard. Water stored should not be used for any other purpose except for tire fighting. Although one(1 Nos. of persons are trained in the fire fighting equipments but in addition to that they should also be trained in handling / using compressed air breathing Apparatus (CABA) when expose to dense smoke as a result 01 Fire Fighting Arrangement. Portable fire extinguishers for class ABCD type and sand bucket type fire extinguishers have been installed in the plant for use as first aid measure to fight five at incipient stage. Water supply points have been provided at different locations. These water supply points are having the provision of fitting hoses for fire fighting operation. Continuous supply

of water is maintained in the system. Mock-drill is performed at an interval of 3 months to check the readiness for disaster.

As stated by the management 4(FOUR) persons is trained for the fire fighting.

Sl. No.	Name of the Staff
1.	SRI SINGHASHAN SINGH
2.	SRI RIZWAN AFTAB

D-4: OTHER ARRANGEMENTS OUTSIDE THE FACTORY

Following Fire fighting arrangements are available near the plant whose services can be utilized as per requirements:

Sl. No	NAME (Govt. Fire Station, Fire- fighting squads)	Location	Distance
1.	Fire station	GOLF GROUND HIRAPUR	15 KM

5. Disaster management E (I-3)

E:(A) The plan of co-ordination :- Communication includes physical and administration means by which plant operator can rapidly notify plant management and outside disaster response agencies and the public. The also include disaster response which must be taken to protect health and safety or the plant personnel and the public, without adequate communication successful disaster planning can not be exercised.

(i) The communications system between the factory and local authority i.e. local administrations police health authority fire stations factories in the vicinity etc. should always function day-night.

(ii) There will be unified sources of Liaison for dealing with outside agency to avoid confusion at any stage at the time of disaster.

(iii) The management will provide advice to all the outside Organizations which become involved in handling the outside disaster and which will need previously to familiarize themselves with some of the technical aspects of the works activities e.g. Disaster services medical assistance and also water work authorities.

Disaster / Emergency Planning Committee: - It is expected that the Chairmen of the DISASTER CO-ORDINATION COMMITTEE will

co-ordinate planning with the disaster services. The committee will be consisting of members from Police Health Services, Fire Brigades Factory Inspectorates, Pollution Control Board, representative From industries Identified having an Outside consequences. The factory M/s JAI PRABHU JI IRON & STEEL PVT.LTD. will keep the Committee informed about the available resources equipment and facilities including me assistance that may be available from the local nursing homes, hospitals, fire stations maintained that should be provided to meet emergencies.

(B): Appointment of key personnel to tackle the situation during disaster, following person will hold key position and command the activities of different services in close co-ordination.

i) Chief Controller

ii) Words incident controller

iii) Works main controller

iv) Other key personnel's (senior managers etc)

v) Essential workers:-

vi) Non-essential workers:-

In case of an disaster, works incident controller, works main controller and the safety personnel may wear some distinctly colored dresses, helmets etc to facilitate recognition even form a distance. Since at the times 01 a disaster such confusions likely to be created, it may e essential to develop an attitude of confidence and control among workers by way of guidance and active leadership- through a senior and experienced person of the factory.

RESPONSIBILITIES & DUTIES OF THE CHIEF CONTROLLER:

The Officer on special duty of the Factory shall be the chief Controller. Till such time he takes over the lull control the all the actions, till the MD arrives at the scene/site shall be managed by the Site Controller. When the MD is present or when he arrives at the site, all major decision shall be taken him in consultation with the site Controller. The role of the chief controller and the Site Controller are identical and complementary. The chief Controller shall also reallocated? & fix responsibility as per need.

Person (s) supported to be present during onset of the disaster are those who are directly in charge of production. Such personnel are trained to take charge of the disaster inside until the Manager (Prod.) or his nominated deputy who shall be the INCIDENT CONTROLLER and are responsible for implementing the disaster plan.

When an disaster arises, the Inside Incident Controller shall be alerted and based on the available evidence wilt assess the scale of the incident and decide whether a major disaster exists or is lithely to take shape. If an disaster exists, the Incident Controller will activate the Inside Plan. The I. C. shall take appropriate steps to minimize the escalation namely by isolating the location from sources of the electrical, heat or fuel disaster and human movement. The next step depending upon the serous ness, shall be to inform the following:-

(i) Doctor on duty & first aiders.

(ii) Fire Service

till) Chief Controller

Depending upon the nature of disaster, the Site controller shall ensure that the following are informed/ notified as appropriate;

(i) Nearest Fire Services

(ii) Ambulance

(iii) Local Authorities

(iv) Police

(v) Factory Inspector

RESPONSIBILITIES & DUTIES OF THE WORKS INCIDENT CONTROLLER

As soon as he aware of the disaster and its locations, the works Incident controller will proceed to the scene and on arrival he will.

1. Assess the scale of disaster and decide if a major disaster situation exists or is likely. On this decision he will activate the subsequent major disaster procedure.

2. Direct all operations within the affected area with the blowing priorities:

- secure the safety personnel;
- Minimize damage to plant, property and the environment;
- Minimize loss of material

3. Direct rescue and fire fighting operations until the arrival of the outside fire brigade, when he will relinquish control to the senior officer of the brigade.

4. Ensure that the affected area is searched for unattended casualties.

5. Ensure that all non-essential workers in the affected area evacuate to the appropriate assembly point.

6. Set-up a communications point and establish Ramo /Telephone/ Messenger contact (as appropriately with the disaster control centre.

7. Pending the arrival of the works main controller, assume the duties 01 the post and, in particular:

   - Direct the shutting down and evacuation of plant and areas likely to be endangered by the disaster;
   - Ensure that the outside disaster services have been called in;

- Ensure that key personnel have been called in.

8. Report a significant development to the works main controller.

9. Provide advice and information, as required, to the senior officer of the Fire Brigade.

10. Have regard to the need to preserve evidence that would facilitate any subsequent enquiry into the cause and circumstances of the disaster.

RESPONSIBILITIES & DUTIES OF THE WORKS MAIN CONTROLLER

As soon as he aware of the disaster the works main controller will proceed to the disaster control centre on arrival ne win.

1 Relieve the works incident controller of responsibility for overall control.

2 On declaration of a major disaster, ensure that the outside disaster services are called in and, where required, that nearby firms are informed.

3 Ensure that key personnel are called in.

4 Exercise direct operational control of those parts of the works outside the aitectel area.

5 Maintain a speculative continuous review of possible developments and assess these to determine mot probable course of events.

6 Direct the shutting down and evacuation of plants In consultation with the works incident controller and key personnel.

7 Ensure that casualties are receiving adequate attention. Arrange for additional help, if required. Ensure that relatives are advised.

8 Liaise with Chief Officers of the Fire & Police Services and with the experts on fire, safety, health etc. provide advice on possible effects on areas outside the works.

9 Ensure the accounting for personnel.

10 Control traffic movement within the works.

11 Arrange for a chronological record of the disaster to be maintained -

12 Where the disaster is prolonged, arrange for the relief o personnel and the provisions of catering facilities.

13 In the case of prolonged emergencies- involving risk to outside areas by wind blown materials — contact the local meteorological office to receive early notification of impending changes in weather conditions.

14 Issue authorized statements to the news media. Where appropriate, inform head office.

15 Ensure that proper consideration is given to the preservation o' evidence.

16 Control rehabilitation of affected areas on cessation of the disaster.

DUTIES OF ESSENTIAL WORKERS

These duties may include:

1. Extra first-alders to deal with casualties.

2. Disaster engineering work, e.g. the provision of extra of replacement lighting, isolating equipment, providing temporary by-pass lines.

3. Transporting equipment to the incident from other parts of the works.

4. Moving tankers or other vehicles from areas of risk.

Carrying out atmospheric tests:-

a. Acting as runners in cases of communication difficulties.

b. Manning of works entrances in liaison with the police, to direct disaster vehicle entering the works, to control traffic leaving the worker and the turn away of make alternative arrangements for visitors and other traffic arriving at the works.

c. Manning of assemble points to record the arrival of evacuated personnel.

d. Assistance at casualty reception areas to record details of casualties.

e. Assistance at communication center to handle out-going and in-coming calls and to act as messengers, if necessary.

f. Conducting of visitors and contractors to a place of safety.

DUTIES OF NON -ESSENTIAL WORKERS

In affected and vulnerable plants, all non-essential workers should evacuate the area and report to a specified assembly point. The need to evacuate non-essential workers from plants and areas not immediately affected will be determined by the size of works and the foreseeable rate at which the incident may escalate.

E-2: (A) DISASTER CONTROL CENTRE:

The disaster control centre is the place from which the operations to handle the disaster are directed and coordinated, An disaster control centre should be established and equipped with adequate means of communications to several locations inside and outside the works together with relevant data and equipments which will assist those manning the centre to e conversant with the developments in situation and enable them to plan accordingly. The disaster control center should be manned by the Woks Main Controller, the key personnel, and the senior officers of the outside services. Other personnel need not have access to the control centre.

Disaster control centre should be sited in an area of minimum risk, so far as this is possible, and close to a main road to allow for ready access by a radio equipped vehicle for use if other systems fail or extra-communication facilities are needed. An alternative centre, similarly equipped, should be available at different location. If necessary, the police will assist in setting-up an Disaster Control Centre, remote from the works.

Such Disaster Control Centre of disaster could be the Fire Station or Security Room or some other convenient place. It should contain:

1. An adequate number of external and internal telephones. It is strongly recommended that some 01. These be ex-directory or capable of use for transmitting calls only. This measure will avoid a situation where out-going calls cannot be made due to the telephone switchboard being overloaded with calls from anxious relatives & press etc., Radio equipment, loud speakers, etc., Plan or plans of the works to illustrate:

2. Areas with large inventories of hazardous materials e.g. Tanks, reactors, drums and storage places where a number of compressed gas cylinders and stored.

- Locations of radio active sources, if any.

- Sources 01 safety equipments.
- Fire hydrant system and alternate supply sources.
- Stock 01 other lire lighting materials.
- Works entrance and round system, updated at the time of disaster to indicate any road which is impassable.
- Assemble points, casualty treatment centre.
- Location of the works in relation to surrounding community.
- Assembly points, first-aid centre / casualty treatment centre.

2. Additional works plans on which may be illustrated, during the disaster:

a. Areas affected / endangered.

b. Deployment of disaster vehicle and personnel.

c. Areas where particular problems arise, e.g. fractured pipelines.

d. Areas evacuated.

e. Other relevant Information:-lf would be useful if all these plans can be covered with plastic or glass sheets on which pen marling can be made or erased as required during disaster operations.

3. A few copies of the outside disaster plan.

4. Note pads, pens and pencils to record messages received and any instructions for delivery by runners.

6. Nominal rolls of employees.

7. Addresses of the employees.

8. List of key personnel, addresses and telephone numbers.

9. A tape recorder with battery and cassettes on which the incident occurred, actions being taken and progress could be recorded.

10. Roll call boards listing the names of all persons department - wise and shift — wise which should be placed in the allocated places called assembly points. AU personnel including visitors and contractors men, except those who are detailed to fight disaster or such services, shall proceed to such allocated points as soon as an evacuation is ordered over public address system or orally by the section in-charge and roll call taken. Section in-charges should see that these boards are always kept

up to date. The assembly point in-charge shall report to control centre immediately any absentee unaccounted for persons. He will also keep the group until advised to move or return to work by the main controller or any other person predominated by him.

11. Torches, explosimeters, some extra sets o personnel protective equipments, artificial respirators, gas masks etc.

j: Action Inside:

(i) Making disaster known to key personnel, concerned persons and agencies: - Once disaster is declared, all the key personnel will rush to the disaster control room except senior controller and incident controller who should be available in their respective units/plants /sections for the action to be taken to meet the disaster and coordinate activities in consultation with chief commanding officer concerned.

As soon as the disaster control room will be manned by an officer nominated by the chief controller whose function shall be —

1. To be responsible for operation of disaster control room and dispatch of massages.

2. To decide on the priority of dispatch of massages.

3. to liaison with all activities and keep upto date and accurate information of the situation.

(ii) Evacuation: - At list four person from the dully formed rescue team explained in the action Plan shall be trained for removing victims from the debris of the allocated area to a safer area where medical assistance can be administered and if need be the victims can be easily transported to the nearest hospital. These persons should be trained in first aid technique. The unit should keep at least 2 stretchers available and the above person should also be trained to prepare disaster stretchers.

The unit plans to procure a heavy duty mobile crane to be used for removing debris to rescue victims and till such time local authorities and the others sector shall be requested to assist under predetermined mutual aid program.

(iii) Rehabilitations: - A situation may arise in which some affected and dazed persons are required to be shifted to a safer place. Such persons may or may not be injured physically. Such a place shall be devoid from hazards impacts and shall have facility for clean drinking water and other normal facilities.

(iv) : Supply services In charge of purchase and stores would be commanding officer of this service. He will act under the control and guidance of chief commanding officer, i.e. project officer.

His function shall be

1. Planning, organizing and procuring necessary materials and equipment.

2. Storage of materials and equipment at accessible location for quick distribution on demand.

3. Obtaining requirements of materials and equipment from commanding officers of various services.

4. Arrange issue and transport of equipment and materials to disaster services to meet their requirements.

(V) Welfare services following arrangement under the control and guidance of project officer shall be made:

1. Provide shelter to affected persons.

2. Arrange stock of essential commodities.

3. Arrange clothing and medicine for the affected person. Arrange drinking water if the supply is disrupted.

(C) : Action Outside:- The outside disaster plan is a logical and computable extension of the outside disaster plan. It is dealt with those incidents which have the potential to harm persons or the environment outside the boundary of the premises. Occupier of the factory will provide sufficient information to enable the local authority to formulate the Outside plan also covers the actions outside the works. The roles of various agencies who may be involved in the implementation of an off side plan or give below:

i) Outside plan will developed by the District Local Authority. There will be existence of an excellent Communications system between the factory and local authority.

ii) The communications system between the factory and local authority i.e. local administrations police health authority fire stations factories in the vicinity etc should always function day-night.

iii) There will be unified sources of Liaison for dealing with outside agency to avoid confusion at any stage at the time of disaster.

iv) The management will provide advice to all the outside Organizations which become involved in handling the outside disaster and which will need previously to formularies themselves with some of the technical aspects of the works activities e.g. disaster services medical assistance and also water work authorities.

(D): Procedures for testing and updating the Plan.

Simulated disaster preparedness exercises and mock fire fighting exercises in collaboration with external agencies including mutual-aid scheme resources and in consultation with district disaster authority.

The procedures of informing the commencement and the termination of disaster to the workers and the outside population using siren and public address system the siren should be sounded in the tones or mile rent styles to indicate the commencement and termination of an disaster, and to clarify its purpose :-

Role of the Civic Authorities (Administration, Police etc.), Civil Defiance, Fire Brigade, Doctors, Hospital Authorities, Experts, Transport Facilities — Roadways , Railways, neighboring factories,

shelter centre, local offices of pollution control Board, Explosive department and Directorate of Factories etc.

All these actions should be given in a well conceived and organized sequence.

(E): Hazard prevention and disaster planning tor harboring area outside the plant boundary is combined responsibility of the plant management and local administration. However, prime responsibility of incidental hazard rests on the management of the industries.

In spite of efforts and measure taken to prevent the hazard, a serious or disaster like situation may arise which may effect the nearby community. In such a situation the help 01: the state government machinery is mot needed to contain and control the unwanted events. The district authority is in the commanding position to mobilize nearby resources of disaster service including those of state government.

Making plan in advance (by management and external Authorities / agencies)

(F): Roles and statutory duties or outside agencies for example Police department shall be required to carry out the following jobs

i) State government hospital and local nursing homes will be require to extend their medical facilities for the treatment of injured and affected persons.

ii) Vicinity around the factory would be alerted and disaster situation will be announced in the adjourning area.

iii) Traffic on roads will be warned of the situation and shall be diverted away from affected area.

iv) Evacuation, rescue and medical relief to the affected people will be initiated and continued in the affected area with the help of local police and nearby industries till the control of situation is taken over by the district magistrate or his representative.

v) Traffic control, provisions of alternate tartly, regulation of traffic within the area of responsibility

vi) Assisting the medical and evacuation teams to work without any hindrance and further help to the medical department in evacuating the casualties / vocations.

vii) Helping in evacuation of persons and domestic animals in the affected area.

viii) Preventing unauthorized entry of the personnel into the affected area. Role and statutory duties of other agencies should also be spelt out.

F-3: Rescue and Relief Operation Plan:

Rescue and relief operation plan should be formulated keeping in view all possible incidents, such as lire / explosion/release of toxic materials / spillage of hazardous materials / release of radio - active materials.

i. Raising the alarm.

ii. Declaring the major disaster.

iii. Making the known to:

- Those inside the works.
- The outside disaster services.
- Key personnel outside normal working hours
- To authorities or contact reasons of neighboring factories.

6. MAJOR RISK OCCURRENCE; F (L-2)

F-1: f A) INDENTIFICATION O HAZARDS:

The factory is fraught with mechanical accident hazards due to typical nature of the machinery / equipments installed there in the safe-guarding of the equipments has been complicated by the wide range of operations and operating conditions.

The most frequent of injuries are:-

Being struck by lying ashes.

Using material handling equipments improperly.

Being burned by hot scale.

Bursting of pressure vessels / Air tanks etc.

However, there are several mechanical hazards on accounts of unsafe acts / Conditions apart from those described above, but the accidents/ incidents arising of the mechanical hazards would not give rise to an emergent situation.

Storage of Diesel oil and use there of may cause fire/explosion if it is not unloaded, stored and handled with great care. Fire/Explosion, it is occurs may cause an emergent situation.

(B) PRESSURE VESSELS:

Explosion in a pressure vessels may also cause an emergent situation and need preparedness and planning for emergencies. The cause maybe:-

Corrosion of the metal of the vessel to a point where it will not longer with stand working pressure.

Vibration of the vessel or its connected piping.

Faulty safety devices.

7. Public awareness system: 0(1-3)

U-1: Safety Awareness among workers:

(a) Details of training and re-training programs for the personnel of safety and tire departments & the workers.

These training programs should at least include the following:

1. Lectures
2. Seminars and workshop
3. Practical exercises
4. Distribution and practice of safety instructions
3. Safety quiz contest/ completions for individuals as also for groups

6. Display of the safety posters & safety slogans at a convenient and conspicuous places

7. Explanation of instructions (in the language easily understood by workers) about the possible hazards involved in handling of chemicals and methods to deal with such hazards falling which possible disaster situations are likely to arise.

8. Developing safety instructions for every job and ensuring practice of these instructions / booklets or manuals by the workers.

9. Making the workers known about the:

- Physical arid health hazards arising out form the exposure of handling of substances;
- Measures taken to ensure safety and control of physical and health hazards;
- Measures taken by workers to ensure safety handling, storage and transportation of hazardous substances;
- Meaning of various labels and markings used on the containers of hazardous substances;
- Use or personal protective equipments
- Sings and symptoms likely to be manifested on exposure of the hazardous substances and to whom to report;
- Measures to be taken in case or any spillage or leakage.

G-2: Public awareness and disclosure of information to public

(a) Methods to educate the public for facing any possible chemical disaster;

(b) Details of the factory's disaster warning system for the general public;

(c) General advice on the action as to what members of the public should take on hearing the warning;

(d) Details of the sources which can give further information to public;

(e) Methods of keeping the public informed by making the provision of preferably one person of factory to serve as liaison officer with the public;

(f) List of contact person and telephone numbers of radio and T.V. for use at short notice;

G-3: Public Awareness System

Many communities develop a formal public information procedure during an incident. This may include pamphlets, authoritative newspaper stories, periodic radio and TN. announcements, and instructive programs for school, inmates of hospitals, as well as for the dependent aged persons.

It is important to provide accurate information to the general public in order to prevent panic4 Some citizens simply want to know that is happening while other citizens may need to be prepared for possible evacuation or they may need to know as to what they could do immediately to protect themselves as well as others. As certain information will need to e communicated quickly, radio and 'Television will be much more important than newspaper in most cases of hazardous materials release. In less urgent cases however, newspaper articles do provide detailed information to enhance public understanding and clean-up. One person should be identified to serve as spokesperson. It is strongly recommended that the individual identified has training and experience in public information, community relations, and / or media relations. The spokesperson can identify of the media, the appropriate individuals who have specialized knowledge about the event and its consequences. The chain of command should, therefore, include this spokesperson. Other members of the response team should be instructed to direct all communication and public relations issues to this one person.

ANNEX - INDEX

Annexure —I

Annexure —II

Annexure -1

A-4 Table -1

Sl. No.		
Date		
Accident		
Place		
Cause		
Time when accident occurred		
Time consumed in controlling the situation		
No. of persons working on the spot at that time		
Total No. of Persons affected Pub-Inline Side the Factory		
Total No. of persons died Pub-In-lie Side the Factory		
Effected on the survivors	Immediate	
	Delayed	
Details of Safety arrangements done after the accident		

Annexure — II

CHEMICAL INFORMATIN SAFETY SHEET

(DIESEL OIL)

1. THE NAME OF THE SUBSTANCE

DIESEL OIL: GAS OIL
A COMPLEX mixture of
Hydrocarbons

2. THE PHYSICAL & CHEMICAL PROPERTIES AND OTHER CHARACTERISTICS

(a)	Sp. Gr.	:	0.8-0.91 (20^0C)
(b)	Vapor Density	:	3.0 - 5.0
(C)	Flash Point	:	22^0C to 96^0C
(d)	Explosive Limits	:	0.7 to 5% Vo by air
(e)	Auto ignition temp	:	256.6^0C

Oily liquid light brown color

Characteristics odors (about 0.1 ppm odors threshold)

Solubility (Water)

3. THE PHYSICAL HAZARDS OF THE SUBSTANCE

(A) HAZARDS

1. FIRE: Moderate when exposed to Heat or Flame, can reset with oxidizing materials Flash back may occur along the vapor trail

2. EXPLOSION: Moderate when exposed to heat or flame

4. THE HEALTH HAZARDS OF THE SUBSTANCES INCLUDING THE SIGN & SYMVFOMS.

(a) INHALATION : Dizziness, Headache

(b) INGESTION : Mausers, Vomiting, Irritation of mouth and Gastro intestinal tract may follow.

(C) ASPIRATION : Rapidly developing potentially fatal chemical pnemonotitis.

(d) SKIN & EYE CONTACT : Prolonged or repeated contact may remove natural fat from the Skin. Skin chapping or cracking or Dermatitis may be the result CASES Skin caner have also come to the notice.

5. THE PRIMAY ROUTE (S) OF ENTEY: As above

6. THE PERMISSIBLE LIMITS OF EXPOSURES AS PRESCRIBED UNDER THE SECOND SCHEDULE U/S 41-F OF THE FACTORIES ACT.

THRESHOLD LIMIT VLUE (TLV)

MAXM. ALLOWABLE CONCENT RATION = 5 MG/M3

7 ANY GENERAL CONTROL MEASURE FOR SAFE HANDLING:

(a) It is necessary that no open flame or heat

Should be brought near the storage and in course of handling and use of the substance oxidizing material to be kept away from the oil. Adequate ventilation is to be mentioned in the storage area.

(b) Extinguishing agents such as:

Foam

Carbon dioxide

Dry Chemical

Are to be maintained for fighting tire

(c) As regards health hazards, it is necessary to:

i) Maintain adequate ventilation to keep vapor concentration down.

ii) Prohibit aphonic by mouth

iii) Provide protective clothing to avoid skin contact.

iv) Adequate First — Aid arrangements and facilities to be maintained.

RECOMMENDED WITH THE CONDITIONS MENTIONED IN THIS OFFICE LETTER NO. 709 DATED 28.05.2018

28/5/18

Chief Inspector of Factories, Jharkhand
Ranchi

JAI PRABHUJI IRON & STEEL PRIVATE LIMITED

JAI PRABHUJI

MANUFACTURERS OF QUALITY M.S. BILLET

Works : C-21-25, Kandra Industrial Area, Govindpur, Dhanbad - 828 109 (Jharkhand)
Regd. Office : Kalpana Villa, Midway Nursing Home Lane, Near Barakar Bus Stand South,
P.O.- Barakar - 713343, Dist.- Paschim Burdwan (W.B.)
Email : jai_prabhuji@rediffmail.com • jaiprabhuji280@gmail.com
Website : www.jpispl.com, CIN No. : U27104WB2003PTC096615
Mobile : 9431125242 • 9431124208

ENVIRONMENTAL POLICY

The Company, Jai Prabhuji Iron & Steel Pvt. Ltd. has formulated this Environment Policy, to ensure adequate Environmental, Health & Safety Management system to:

- Have full awareness of all Environmental and Factory legislation in India and ensure that regulatory requirements are met including conditions/ stipulations/ norms of Environment Clearance, Consent to Establish & Consent to Operate.
- Monitor the implementation of the policy by carrying out periodic audits of compliance with full reporting to the Partners and when appropriate, introduce remedial measures.
- Selection of less-polluting/Eco-friendly technology, waste minimization, reuse/recycling and the reduction of energy consumption.
- Maintain transparency in matters of Environmental compliances and CER activities.
- Regular review of the operation as per conditions laid in the environmental orders and practice. General Manager (GM) will be responsible for the same.
- All infringement/deviation/violation of the environmental or forest norms/conditions will be brought to notice of Partners through the GM.
- Deviations from the policy and cases of violation of environmental laws or other public authority shall be reported to Partners and corrective as well as preventive action taken and records maintained in writing.
- Intimation of the deviation and the Corrective actions/Preventive measures taken will be given to the concerned authorities through the six-monthly compliance report.
- All such actions activities will be brought to notice of stakeholders through the annual report of the company.

For Jai Prabhuji Iron & Steel Pvt. Ltd.

R.K. Choudhary

Director

Raj Kumar Choudhary
(Director)

ग्राम पंचायत भितिया

प्रखण्ड-गोविन्दपुर, धनबाद (झारखण्ड)

रेखा देवी
मुखिया
मो.: 7646059288
9798745684

आवास एवं कार्यालय:-
ग्राम-तुमादाहा, पो0-भितिया
थाना-बरवाअड्डा, जिला-धनबाद
पिन-828109

पत्रांक 262/2023

दिनांक 21/10/2023

प्रबन्धक महोदय,

जय प्रभुजीआयरन एण्ड स्टील प्रा0 लिमिटेड कान्दा C-21-25 इंडस्ट्रियल एरिया गोविन्दपुर धनबाद 828109 (झारखण्ड)

सर्व विदित है कि जय प्रभुजीआयरन एण्ड स्टील प्रा0 लिमिटेड कान्दा द्वारा 2023-2024 में विकास फण्ड मिलिया पंचायत अन्तर्गत तुमादाहा शिव मंदिर के प्रांगण में शौचालय हेतु कुल राशि 90.000/= नब्बे हजार रुपया का योगदान किया/इस पुनित कार्य के लिए तुमादाहा ग्रामवासी सदा आभारी रहेंगी।

रेखा देवी
मुखिया
ग्राम पंचायत-भितिया
प्रखण्ड-गोविन्दपुर, धनबाद (झारखण्ड)

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

(कतरास –करकेन्द)

झारखण्ड गौ सेवा आयोग, पंजीयन संख्या – 03/2007–08

8366

पो० : कतरासगढ़, जिला : धनबाद – 828113

Mob. No.- 7903415635, 8434761000

दिनांक 20.10.23

रसीद नं० 12023–24

श्रीमती/श्रीमान् अंबुजा आयरन एंड स्टील प्रा० लि०

पता गोविन्दपुर

दाता का पेन नं० मो०

मेल पता

PAN - AABTS 6018B

श्री गंगा गौशाला को गौ सेवा हेतु दान स्वरूप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, धनबाद

पंजीकरण संख्या – AABTS6018BF2015 FOR 12A

AABTS6018BF20213 FOR 80G

विवरण	रूपया
सुरभि सेवा खिलावा	1500/-
कुल राशि	1500/-

रू० शब्दों में एक हजार पांच सौ

चेक विवरण

PNB A/c No.- 6632000100012249

IFSC CODE - PUNB0663200

दाता का हस्ताक्षर

महासचिव

प्राप्तकर्त्ता

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

(कतरास -करकेन्द)

झारखण्ड गौ सेवा आयोग, पंजीयन संख्या - 03/2007-08

पो0 : कतरासगढ़, जिला : धनबाद - 828113

Mob. No.- 7903415635, 8434761000

8892

रसीद नं0 2023-24 दिनांक 30.11.23

श्रीमती/श्रीमान् जयपुर माइन्स एंड स्टील प्रा० लि०

पता गोविन्दपुर

दाता का पेन नं0 मो0

मेल पता

PAN - AABTS 6018B

श्री गंगा गौशाला को गौ सेवा हेतु दान स्वरूप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, धनबाद पंजीकरण संख्या - AABTS6018BF2015 FOR 12A

AABTS6018BF20213 FOR 80G

विवरण	रूपया
सुरभि-सेवा अनुदान	1500
कुल राशि	1500

रू0 शब्दों में एक हजार पांच सौ रु

चेक विवरण

PNB A/c No.- 6632000100012249

IFSC CODE - PUNB0663200

दाता का हस्ताक्षर

महासचिव

प्राप्तकर्त्ता

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

(कतरास –करकेन्द)

झारखण्ड गौ सेवा आयोग, पंजीयन संख्या – 03/2007–08

पो0 : कतरासगढ़, जिला : धनबाद – 828113

Mob. No.- 9835513883, 8434761000

रसीद नं0 **10689** दिनांक 24/12/23

श्रीमती/श्रीमान् जय प्रभु आयरन एण्ड स्टील

पता गोविन्दपुर

दाता का पेन नं0 ____ मो0 ____

मेल पता ____

PAN - AABTS 6018B

श्री गंगा गौशाला को गौ सेवा हेतु दान स्वरूप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, धनबाद

पंजीकरण संख्या – AABTS6018BF2015 FOR 12A

AABTS6018BF20213 FOR 80G

विवरण	रूपया
माह नवम्बर (सुरभि सेवा)	1500-
कुल राशि	1500-

रू0 शब्दों में एक हजार पांच सौ

चेक विवरण ____

PNB A/c No.- 6632000100012249, IFSC CODE - PUNB0663200

दाता का हस्ताक्षर   महासचिव   प्राप्तकर्त्ता

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

(कतरास -करकेन्द)

झारखण्ड गौ सेवा आयोग, पंजीयन संख्या - 03/2007-08

पो0 : कतरासगढ़, जिला : धनबाद - 828113

Mob. No.- 9835513883, 8434761000

रसीद नं0 **10692** दिनांक 25/12/23

श्रीमती/श्रीमान् जय प्रभु कामरन एण्ड स्टील प्रा. लि.

पता गोविन्दपुर

दाता का पेन नं0 मो0

मेल पता

PAN - AABTS 6018B

श्री गंगा गौशाला को गौ सेवा हेतु दान स्वरूप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, धनबाद पंजीकरण संख्या - AABTS6018BF2015 FOR 12A

AABTS6018BF20213 FOR 80G

विवरण	रूपया
सुरभि सेवा माह दिसम्बर	1500-
कुल राशि	1500-

रू0 शब्दों में एक हजार पांच सौ रु

चेक विवरण

PNB A/c No.- 6632000100012249, IFSC CODE - PUNB0663200

दाता का हस्ताक्षर महासचिव प्राप्तकर्त्ता

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

(कतरास -करकेन्द)

झारखण्ड गौ सेवा आयोग, पंजीयन संख्या – 03/2007–08

पो0 : कतरासगढ़, जिला : धनबाद – 828113

Mob. No.- 9835513883, 8434761000

रसीद नं0 10988

दिनांक 24.1.24

श्रीमती/श्रीमान् श्री प्रभु आयरन एंड स्टील प्रा० लि०

पता गोविन्दपुर

दाता का पेन नं0 मो0

मेल पता

PAN - AABTS 6018B

श्री गंगा गौशाला को गौ सेवा हेतु दान स्वरूप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, धनबाद पंजीकरण संख्या – AABTS6018BF2015 FOR 12A

AABTS6018BF20213 FOR 80G

विवरण	रूपया
गुरमि-सेवा जनवरी 2024	1500/
कुल राशि	1500/-

रू0 शब्दों में एक हजार पांच सौ रु

चेक विवरण

PNB A/c No.- 6632000100012249, IFSC CODE - PUNB0663200

दाता का हस्ताक्षर

महासचिव

प्राप्तकर्त्ता

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

(कतरास -करकेन्द)

झारखण्ड गौ सेवा आयोग, पंजीयन संख्या - 03/2007-08

पो0 : कतरासगढ़, जिला : धनबाद - 828113

Mob. No.- 9835513883, 8434761000

रसीद नं0 12054 दिनांक 23.2.24

श्रीमती/श्रीमान् जयप्रभु आयरन एंड स्टील

पता गोविन्दपुर

दाता का पेन नं0 मो0

मेल पता

PAN - AABTS 6018B

श्री गंगा गौशाला को गौ सेवा हेतु दान स्वरूप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, धनबाद

पंजीकरण संख्या - **AABTS6018BF2015 FOR 12A**

AABTS6018BF20213 FOR 80G

विवरण	रूपया
सुरभि - सेवा फरवरी	1500/
कुल राशि	1500/-

रू0 शब्दों में एक हजार पांच सौ

चेक विवरण

PNB A/c No.- 6632000100012249, IFSC CODE - PUNB0663200

दाता का हस्ताक्षर महासचिव प्राप्तकर्त्ता

OM SAI HOSPITAL & RESEARCH CENTRE

BICH BAZAR, GOVINDPUR, DHANBAD (JHARKHAND)

Ph. : 06540-262402, Mob. : 9470995789, 9709208001

Website : www.omsaihospital.org, Email : osh@omsaihospital.org

DATE:- 07/2 /2024

EMPLOYEE HAELTH REPORT OF JAI PRABHUJI IRON & STEEL PVT.LTD

SL.No	Name of Employee	X-ray Report	P.F.T Report	Remarks
1	FIROJ ANSARI	NAD	76%	
2	SAMSHER ANSARI	NAD	73%	
3	ASIF ANSARI	NAD	75%	
4	AJAY KUMAR SINHA	-------	------	AB
5	IBRAR ALAM ANSARI	NAD	72%	
6	MD.RIZWAN AFTAB	NAD	74%	
7	SINGHASHAN SINGH	NAD	76%	
8	DILIP KUMAR PATHAK	NAD	75%	
9	RATISH JHA	NAD	72%	
10	VIVEKANAND	-------	------	AB
11	INAMUL ANSARI	NAD	76%	
12	KHURSHID ALAM	NAD	74%	
13	SOHAL ANSARI	NAD	72%	
14	SUBHASH CHANDRA VERMA	NAD	74%	
15	MD. SAHID ANSARI	NAD	76%	
16	MEGHU MAHATO	NAD	75%	
17	SIDDIK ANSARI	NAD	72%	
18	MD. JASIM ANSARI	NAD	76%	
19	JAINUL ANSARI	NAD	74%	
20	CHANDA SINGH	NAD	72%	
21	MD SABUL ANSARI	NAD	75%	

Vikash Raman 7/2/2024

Dr. Vikash Raman
Director Medical
Om Sai Hospital & Research Centre

Dr. Vikash Raman
Director Medical
Om Sai Hospital & Research Centre

नोट : 24 घंटे सेवा उपलब्ध 24 Hours Service Available

- This is only Professional opinion and not a diagnosis
- It should be clinically co-related be cross-checked
- Report not valid for medico legal purpose

हिन्दुस्तान

[illegible], 11 मई 2023

झारखण्ड राज्य प्रदूषण नियंत्रण पर्षद

JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004

Phone: 0651-2400852/2400851/2400850(Fax), Web site : www.jspcb.org

लोक सुनवाई की सूचना

For Conducting public hearing for "Expansion of existing plant of 36000 TPA M.S. Billets/Ingots to final configuration of Induction Furnces 2 x 10 T & 2 x 12 T (Billets/Ingots - 145200 TPA) with Slag Crusher (10 TPH) - 33000 TPA, TMT Bars & Rolled Products - 165000 TPA and reheating furnace of 30 TPH (Emergency use) by M/S Jai Prabhuji Iron & Steel (P) Ltd. At- C-21-25, Kandra Industrial Area, P.O.- Govinpur, Distt.- Dhanbad-828109, Jharkhand" [illegible] 'Agrasen Bhawan, Upper Bazar, (Near Bank of India), Govindpur, Distt.- Dhanabd-828109, State-Jharkhand' [illegible]

[illegible] O.A. No. 20/2020 [illegible] Covid-19 [illegible] (Social Distancing) [illegible]

[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible] धनबाद-828001
6. Regional Officer, Eastern Central Zone, Ministry of Forest, Environment & Climate Change, Govt. of India, Regional Office (Ranchi) 2nd Floor, H.Q. Jharkhand State Housing Awas Board, Harmu Housing Colony, Harmu, Ranchi-834002
7. [illegible]
8. [illegible]

[illegible]
सदस्य सचिव

PR 296948 Jharkhand State Pollution Control Board(23-24).D

PH Advertisment in News Paper of "Hindustan times " dated 11.05.2023

THE TIMES OF INDIA, RANCHI
WEDNESDAY, MAY 10, 2023

PR296937 (Water Resource)23-24*D

झारखण्ड राज्य प्रदूषण नियंत्रण पर्षद

JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004

Phone.: 0651-2400852/2400851/2400850(Fax), Web site : www.jspcb.org

लोक सुनवाई की सूचना

For Conducting public hearing for "Expansion of existing plant of 36000 TPA M.S. Billets/Ingots to final configuration of Induction Furnces 2 x 10 T & 2 x 12 T (Billets/Ingots - 145200 TPA) with Slag Crusher (10 TPH) - 33000 TPA, TMT Bars & Rolled Products - 165000 TPA and reheating furnace of 30 TPH (Emergency use) by M/S Jai Prabhuji Iron & Steel (P) Ltd. At- C-21-25, Kandra Industrial Area, P.O.- Govinpur, Distt.- Dhanbad-828109, Jharkhand" [illegible] 'Agrasen Bhawan, Upper Bazar, (Near Bank of India), Govindpur, Distt.- Dhanabd-828109, State-Jharkhand' [illegible]

[illegible] O.A. No. 20/2020 [illegible] Covid-19 [illegible] (Social Distancing) [illegible]

[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible] धनबाद-828001
6. Regional Officer, Eastern Central Zone, Ministry of Forest, Environment & Climate Change, Govt. of India, Regional Office (Ranchi) 2nd Floor, H.Q. Jharkhand State Housing Awas Board, Harmu Housing Colony, Harmu, Ranchi-834002
7. [illegible]
8. [illegible]

[illegible]
सदस्य सचिव

PR 296948 Jharkhand State Pollution Control Board(23-24).D

PH Advertisment in News Paper of "Times of India Ranchi" dated 10.05.2023

From V
(See Rule 14)

Environmental Statement for the financial year ending the ***31st March 2024,***

PART-A

1) Name & Address of the Owner /Occupier: ***M/s Jai Prabhuji Iron & Steel Pvt. Ltd. Add – C-21-24, Kandra Industrail Area, Govindpur Dhanbad – 828109, Jharkhand***

2) Industry category (SSI Code): ***Primary – Iron Casting***

3) Production capacity (Units). ***MS Billet – 36000 TPA***

4) Date of the last environmental statement submitted. 19.06.2023

5) Year of establishment: 23.07.2004

PART-B

Water and Raw Materials Consumption

(1) Water consumption per day : **21.0 *KLD***

Process	:	**Nil**
Cooling	:	**16.0 KLD**
Domestic Other	:	**3.0 *KLD***
Other	:	**2.0 *KLD***

Name of the Products	Process water consumption per unit of Product output	
	During the previous Financial year (2022-2023)	During the current Financial year(2023-24)
(i) ***MS Billet*** ***Cooling –***	***0.136 KL/T***	***0.170 KL/T***

(ii) Raw Material Consumption

Name of Material	Name of Product	Consumption of raw material per Unit of product output	
		During the previous Financial year (2022-2023)	During the current Financial year(2023-2024)
MS Scrap ***Sponge Iron*** ***Cast Iron***	***MS Billet***	***1.263 T/T***	***1.248 T/T***

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

For Jai Prabhuji Iron & Steel Pvt. Ltd.
R. K. Choudhary
Director

PART-C

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

1. Pollutants	Quantity of pollutants discharged (Mass/day)	concentrations of pollution in discharged (mg/m^3)	Variation from prescribed Std. with reasons
(a) *Water*	***Zero Industrial Effluent Discharge maintained With recycling***	***NA***	***NA***
(b) *Air*	***Within Norms***	***Monitoring reports Enclosed***	***NA***

PART-D

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

Hazardous Waste	Total Quantity (Kg.)	
	During the previous financial year (2022-2023)	During the current financial year(2023-24)
(a) From Process (Used Oil)	***Nil***	***0.08 Kl***
(b) From pollution Control Facilities-	***Nil***	***Nil***

PART-E

Solid Waste

	Total Quantity (Kg.)	
	During the previous Financial year (2022-2023)	During the current Financial year(2023-2024)
(a) From Process ***Slag***	***9444.00 MT***	***6921.46 MT***
(b) From Pollution Control Facilities	***Nil***	***Nil***
(c) Quantity recycled or re-utilized Within the unit – ***Slag***	***9400 T***	***9400 T***
(i) Sold - ***Slag Sold to outside parties for metal extraction and reuse in construction filling.***		
(ii) Disposed	***Nil***	***Nil***

For Jai Prabhuji Iron & Steel Pvt. Ltd.

R.K. Choudhary

Director

PART-F

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

Hazardous Waste - Used Oil – 0.08 Kl

Solid Waste (Slag) Sold to outside parties for metal extraction and reuse in construction filling.

PART-G

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

This work zone environment is maintained and hence efficiency of workers improved.

PART-H

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

Plantation done and continued. FES with Bag filter has been installed, other measures as per direction of the board.

PART-I

Any other particulars for improving the quantity of the environment.

"Tree plantation has been done and maintained properly, Water spraying is done when and where required. Further plantation is being carried out in the plant premises."

For Jai Prabhuji Iron & Steel Pvt. Ltd.

R.K. Choudhary

Director

JAI PRABHUJI IRON & STEEL PRIVATE LIMITED

JAI PRABHUJI

MANUFACTURERS OF QUALITY M.S. BILLET

Works : C-21-25, Kandra Industrial Area, Govindpur, Dhanbad - 828 109 (Jharkhand)
Regd. Office : Kalpana Villa, Midway Nursing Home Lane, Near Barakar Bus Stand South,
P.O.- Barakar - 713343, Dist.- Paschim Burdwan (W.B.)
Email : jai_prabhuji@rediffmail.com ● jaiprabhuji280@gmail.com
Website : www.jpispl.com, CIN No. : U27104WB2003PTC096615
Mobile : 9431125242 ● 9431124208

Ref. No. JPIS/Gen/ 005/24-25

DATE – 29.04.2024

To,
The Gram Panchayat,
Bhitia, Dhanbad, Jharkhand.

Subject: Submission of Environmental Clearance for the project (EC).

Sir,

With due respect, as per the direction of the State Level Environmental Impact Assessment Authority(SEIAA), Jharkhand a copy of the clearance letter shall be sent by the project proponent to concerned Deputy commissioner. In this regard we enclosed copy of EC Letter No- EC/SEIAA/2023-24/2710/2023 dated 30th November 2023.

For your information and necessary action.

Kindly acknowledge the receipt.

Thanking You,
Yours Faithfully,
For Jai Prabhuji Iron & Steel Pvt. Ltd

R.K. Choudhary

Director

रेखा देवी
मुखिया 29/04/2024
ग्राम पंचायत–भितिया
प्रखण्ड-गोविन्दपुर, धनबाद (झारखण्ड)

JAI PRABHUJI IRON & STEEL PRIVATE LIMITED

MANUFACTURERS OF QUALITY M.S. BILLET

Works : C-21-25, Kandra Industrial Area, Govindpur, Dhanbad - 828 109 (Jharkhand)
Regd. Office : Kalpana Villa, Midway Nursing Home Lane, Near Barakar Bus Stand South,
P.O.- Barakar - 713345, Dist.- Paschim Burdwan (W.B.)
Email : jai_prabhuji@rediffmail.com • jaiprabhuji280@gmail.com
Website : www.jpispl.com, CIN No. : U27104WB2003PTC096615
Mobile : 9431125242 • 9431124208

Ref. No. JPIS/Gen/ 039/23-24 Dated – 13.12.2023

To,
The Scientist-'C'
Ministry of Environment Forest & Climate Change
Integrated Regional Office,
2nd Floor, Jharkhand State Housing Board,
Harmu Chowk, Ranchi, Jharkhand

Subject: Regarding compliance of Environmental Clearance conditions.

Reference: Environmental Clearance from Ministry of Environment & Forest, New Delhi vide J-11011/180/2010-IA-II (I) dated 13.07.2011.

Sir,

We have obtained Environment Clearance and NOC from the concerned authorities for establishing our project at Kandra Industrial Area, Govindpur, District – Dhanbad, Jharkhand. The plant has been put in operation after obtaining consent to operate from JSPCB.

As per requirements of Environment (Protection) Act 1986 and various conditions of the above mentioned Environmental Clearance we are submitting the six monthly compliance reports with status for the period from 01st April 2023 to 30th September 2023 to the specified authorities. The same is enclosed for your information.

Thanking you,

Yours faithfully,

For Jai Prabhuji Iron & Steel Pvt. Ltd.

P. K. Choudhary

Director

Enclosure: Compliance Report

13/12/23

F. No. J-11011/180/2010-IA-II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003
E-mail: ms.industry-mef@nic.in
Tele/fax: 011 – 2436 3973
Dated: 13th July, 2011

To,

M/s Jai Prabhuji Iron and Steel (P) Ltd
23-A, NS Road, 6th Floor, Room no. 19,
Kolkata 70001

Sub : Expansion of MS ingots manufacturing from 21,600 TPA to 36,000 TPA and installation of Submerged Arc furnace to manufacture 15,000 TPA of Silico Manganese at Kandra Industrial Area in District Dhanbad in Jharkhand by **M/s. Jai Prabhuji Iron & Steel (P) Ltd - regarding Environmental Clearance**

Sir,

This has reference to your letter no. nil dated 24.03.2011 along with copies of EIA/EMP reports seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s. Jai Prabhuji Iron & Steel (P) Ltd have proposed for expansion of induction furnace plant from 72 TPD to120 TPD and installation of Submerged Arc furnace for Silico-Manganese (50 TPD) at Kandra Industrial Area, P.O. Bhitia, District – Dhanbad, Jharkhand. Total project area acquired is 5.38 acres (existing 3.38 + additional 2.0 acres) of which green belt will be developed in 1.8 acres of plant area. No R & R is involved as the plant is located in the notified industrial area. No wild life sanctuary/national park is within 10 km radius of the unit. Rivers Khudiya flows at a distance of 2 Km and Juria Nala at 4.2 Km from the project site. Total cost of the project is Rs. 1547.58 lakhs. Rs. 57.10 lakhs and Rs. 23.45 lakhs has been earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures.

3. The details of products along with their capacity are given below:

SL No	Units	Configuration	CAPACITY PER DAY	CAPACITY ANNUAL
1	Induction Furnace Existing – 72 TPD Expansion – 48 TPD	Existing – 1x3T & 1x6 T Addition – 1x6 T	120 TPD	36,000 TPA
2	Submerged Arc Furnace Addition	2 x 5 MVA	50 TPD	15,000 TPA

4. Sponge iron, steel scrap and cast iron will be used as raw material for MS Ingot manufacturing while Manganese ore, Fe-Mn slag, coal, coke (reductant), quartz, electrode paste, etc. will be used as raw materials for Silico-Manganese production. Sponge iron (28,000 TPA), Steel scrap (3,960 TPA), Cast iron (7,920 TPA) for MS Ingot and Mn ore (24,000 TPA), Fe-Mn Slag (13,500 TPA), Coal (5,250 TPA), coke (7,500 TPA), and Quartz (2,250 TPA) for Si-Mn will be used as raw materials. No charcoal will be used as reducing agent or in any other process. Billets manufactured will be sold to rolling mills.

5. It is noted that for control of air pollution in the existing unit, one ventury scrubber has been provided. It is proposed to install additional pulse jet type bag filters to Induction furnace and ferro alloy plant. The emission will be passed through a chimney of adequate height of 30 m. Fume extraction system with spark arrestor and bag filter system would be installed to control emission from the induction furnace. Bag filter system to control the emissions from the ferro alloy plant. Dust extraction system and water sprinklers will be provided in the plant to control fugitive emissions. The waste collected in control equipments will be recycled in the process.

6. Make -up water requirement for the proposed plant will be 51.0m^3/day which would be met from industrial area supply and rain water harvesting. There will be no wastewater generation due to the process. The waste water will be recycled for sprinkling and horticulture application. Domestic effluent will be routed to a septic tank and soak pit and used for green belt development. No effluent will be discharged and zero discharge will be adopted.

7. The slag generated from the production of Ingot will be used in metal recovery units. The slag generated from Si-Mn will be used as construction material, base layer for road laying and land filling. Waste oil and used batteries will be sold to authorized recyclers / reprocessors. Total power requirement of 20 MW will be met from JSEB.

8. All the secondary metallurgical industries above capacity of 30,000 TPA are listed in Category "B" while ferro alloys plants are listed at S. No. 3(a) under Category "A" of the Schedule of EIA Notification 2006 and appraised at the Central level. Public hearing is not required as the unit is located in Notified Industrial Area.

9. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 24th meeting held during 19th - 20th May, 2011. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing is not required as per Para 7(i) III (b) of EIA Notification, 2006 as the project is located in notified industrial area.

10. Based on the information submitted by you, presentation made by you and consultant, M/s Eco Care, Asansol, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS :

i. As per the commitment submitted, no charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.

ii. Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm^3.

iii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

iv. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.

v. Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.

vi. Make up water requirement shall not exceed 51m^3/day. 'Zero' effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises.

vii. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources.

viii. All the ferro alloy slag shall be used in the preparation of building materials.

ix. No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.

x. Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within three months of issue of environment clearance letter.

xi. As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.

xii. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan (need based) should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.

xiii. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

i. The project authorities must strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board and the State Government.

ii. No further expansion or modifications in the unit shall be carried out without prior approval of the Ministry of Environment and Forests.

iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may

specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.

iv. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO_2 and NO_X are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.

v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.

vi. The overall noise levels in and around the cement grinding unit area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).

vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.

ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.

x. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.

xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.

xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO_2, NOx

(ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.

xiv. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.

xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar.

xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

13. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

P. Ahujarai

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

COMPLIANCE OF ENVIRONMENTAL CLEARANCE
F. No. J-11011/180/2010- IA II (I), dated 13.07.2011

M/s. Jai Prabhuji Iron & Steel (P) Ltd., Kandra Industrial Area, Dhanbad

Sl	CONDITION	COMPLIANCE/ STATUS (status: 01st April 2023 – 30th September 2023)
A.	**SPECIFIC CONDITIONS:**	
i)	As per the commitment submitted, no charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.	No use of charcoal as a fuel. Only Induction Furnaces powered by electricity installed. Proposed Ferro Alloys Unit has been dropped and accepted by MoEF & CC as per their 35th MoM of EAC meeting dated 17th & 18th September 2018.
ii)	Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm3.	Condition applicable for submerged Arc Furnace (SAF), which has been dropped as above and will not be installed – thus not applicable. Only Induction Furnace unit in which Bag Filter provided. Unit does not fall under the 17 categories of highly Polluting Industry, thus OCEMS not envisaged. Emissions are being maintained below 50 mg/Nm3. Copy of latest monitoring reports enclosed as **Annexure – 1**
iii)	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Standard as notified is being followed. Monitoring of all parameters as per NAAQs has now been done and reports attached as **Annexure – 2.**
iv)	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed.	Secondary fugitive emissions being controlled with help of fume extractor covered shed, water sprinkling, plantation etc. Standard as notified is being followed.
v)	Regular monitoring of influent and effluent surface, subsurface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act which are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	No effluent discharged or leakages outside plant premises. Water is used only for cooling purpose. Monitoring report for same attached as **Annexure - 3.**
vi)	Make up water requirement shall not exceed 51m3/day. 'Zero' effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises.	Make up water requirement is below 51 m3/day (approx. 21 m3/day). Zero discharge maintained only domestic effluent routed to sceptic tank –soak pit within premises. No discharge outside the premises. Permission letter from CGWA is attached as **Annexure - 4**

vii)	Efforts shall be made to use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources.	Rain water harvesting scheme has been implemented. The depth of central bore of RWH pit is 80 mtr as per approved drawing of Ground Water Directorate, GOJ. Settling pit water used for plant & other purpose to maximum extent possible.
viii	All the Ferro alloy slag shall be used in the Preparation of building materials.	There is no Ferro Alloys Slag generated from the unit as SAF unit not installed and has been dropped. Slag from Induction Furnace Unit is being sold to outside parties for metal recovery units.
ix)	No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.	No Ferro Chrome or Ferro Alloys manufactured in the unit.
x)	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within three months of issue of environment clearance letter.	Onsite and off-site DMP plan has been approved by Chief Inspector of Factory, Ranchi. Copy of same along with approval letter already submitted with previous compliance.
xi)	As proposed green belt shall be developed in at least 33% of the plant area. Selection of the plant species shall be as per the CPCB guidelines in consultation with DFO.	We have developed green belt and is continued to attain 33% of the plant area. Photographs attached
xii)	At least 5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals and item-wise details along with time bound action plan (need based) should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	5% of the total cost of the project has been earmarked towards the Enterprise Social Commitment and will be utilized in consultation with local habitants. ESC / CSR expenses till 30th September 2023 are Rs. 36.81 lakhs spent on various activities. During this period of 01.04.2023 to 30.09.2023 amount of approx. Rs. 3.89 lakh spent on support to various heads in the area. Receipt of same attached as **Annexure – 5**
xiii)	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Construction work is completed. Plant is in operation.

B.	GENERAL CONDITIONS	COMPLIANCE/ STATUS
i	The project authorities shall strictly adhere to the stipulations made by Jharkhand Pollution Control Board and State Government.	It is being adhered.
ii	No further expansion or modification in the unit shall be carried out without prior approval of this Ministry of Environment and Forests.	No expansion or modification in the unit w.r.t production capacity. Change of product from Ingot to Billets applied to MoEF & CC, New Delhi has been accepted and NIPL certificate attached as **Annexure - 6**
iii	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The SPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	It is being complied.
iv	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, S02 and Nox are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	Complied. Latest SMR & AAQR is enclosed as **Annexure – 1 and 2.**
v	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Cooling water is being kept in closed circuit while domestic effluent is being treated in septic tank followed soak pit. No industrial wastewater is discharged. Siltation Pond in place for the same.
vi	The overall noise levels in and around the cement grinding unit area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)	No cement grinding unit envisaged. DG set with acoustic enclosure has been installed. All noise levels below the permissible limits. Noise monitoring report is enclosed as **Annexure – 7**
vii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular health check up of the workers is being done on fixed routine basis and records are being maintained. Copy of some submitted with previous compliance. Latest annual check-up report attached as **Annexure – 8.**

viii	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rain water harvesting scheme has been implemented. The depth of central bore of RWH pit increased to 80 mtr as per approved drawing of Ground Water Directorate, GOJ. Settling pit water is being used for plant use purpose to maximum extent possible.
ix	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We have complied with all the environmental protection measures and safeguards recommended in the generated. EIA/EMP report. We are taking care of socio-economic activities and submitting the half yearly compliance report.
x	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry of Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	We have earmarked fund for environmental issue and have implemented. Details of same enclosed as **Annexure – 9.** The cost of EMP is on lower side as the Ferro Alloys (SAF) unit and its Pollution Control Equipment not installed and dropped. Only less polluting unit Induction Furnace installed along with requisite pollution control measures.
xi	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom Suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Copies of receipt of EC to Panchayat and Zila Parishad has already been submitted with intial compliance report.
xii	The project proponent shall upload the status of compliance of the stipulated environment clearance, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criterial pollutant levels namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The company website (www.jpispl.com) is active. Latest compliance status of EC and results of monitoring has been uploaded. The monitoring data sent to CPCB, Zonal Office & MoEF, Regional Office, Ranchi.

xiii	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	It is being complied. Reports sent both in hardcopy and email to Regional Office of Ministry at Ranchi.
xiv	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the Project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar bv e-mail.	We are submitting environmental statement every year. Copy of the Environmental statement for the year ending 31st March 2023 attached as **Annexure - 10.**
xv	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at the Website of the Ministry of Environment and Forests at http.7envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the regional office at Bhubaneswar.	The paper cutting of the two local news paper in which information regarding grant of EC was published already submitted with previous compliance. The timeline for Newspaper publication was overlooked by mistake. In future it will be taken care of in time.
xvi	Project authorities shall inform the Regional Office as well as the Ministry, the data of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Date of Financial closure is 14.12.2007 With Indian Overseas Bank. CTE from JSPCB obtained vide PC/NOC/DHN/01/ 2010/B-2474 dated 12.09.2011; land development work started after 15.09.2011. Commencement of Production of Induction Furnace was after obtaining CTO from of JSPCB as **Annexure – 11.**

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-3706288/2018/1699 Dated : 2018-10-30

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 2018-10-05 of Jai Prabhuji Iron & Steel Pvt. Ltd., Occupier Name :Prabhu Singh 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-11011/180/2010-IA (I), dated.13.07.2011.

(b) The content of Consent-to-Establish (CTE), vide Ref. No. JSPCB/HO/RNC/CTE-1655200/2017/461, dated 07.09.2017.

(c) The content of Consent to Operate (CTO), Ref No.-JSPCB/HO/RNC/CTO-2090173/2018/283 dated 08.02.2018.

(d) The content of Inspection Report (I/R) vide Ref. No. 1370 dated 08.10.2018 of R.O., JSPCB, Dhanbad.

(e) The content of as a raw material the unit has uploaded letter of self declaration/undertaking to procure Raw material from valid source.

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 -Kashitar No. 124 , P S -Kandra Industrial Area , District -DHANBAD , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			
Before Expansion	At- Kandra Industrial Area at Mauza : Kashitar No. 124, Khata No. : 18, 04, 19, 23, 11, Plot Nos. : C-21 to C-24.	3.38 Acres	4.95 Crores (Existing) + 4.10 Crores = 9.05 Crores	M S Billets (in place of existing Ingots)- 36,000 TPA.	Date of issue to 31.12.2023

(A) Specific Conditions:

(1). That, the occupier shall operate and maintain air pollution control Device regularly and keep record of it.

(2). That, the occupier shall keep the maximum annual production below the capacity required for obtaining Environmental Clearance as per EIA Notification, 2006 and shall submit Annual production report to this office yearly;

(3). That, the occupier shall utilize and dispose slag properly;

(4) That, the occupier shall do water sprinkling at all dust generated areas and maintain good house keeping.

(5) That, the occupier shall in no case dispose water outside the premises of the unit.

(6) That, the occupier shall make the inside work area pucca and maintain it.

(7) That, the occupier shall implement rain water harvesting system regularly and shall make arrangement properly to quench rain water.

(8) That, the occupier shall do tree plantation in all vacant area of the premises and shall protect it for 05 years.

(9) That, the occupier shall submit the compliance report along with all evidentiary documents and photographs of pollution control device .

(10). That, the occupier shall if be found violating the consent to operate at any point of time during inspection of the plant by the competent authority, the consent to operate shall be revoked as per provision of the acts.

(11) 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 i.e. 31.12.2023 with documents showing compliance of all of the above conditions.

(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 (SO2), µg/m3	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO2), µg/m3	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM10, µg/m3	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM2.5, µg/m3	Annual 24 hours	40 60	40 60
5.	Ozone(O3), µg/m3	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m3	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m3	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH3) µg/m3	Annual 24 hours	100 400	100 400
9.	Benzene (C6H6) µg/m3	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m3	Annual	01	01
11.	Arsenic (As) ng/m3	Annual	06	06
12.	Nickel (Ni) ng/m3	Annual	20	20

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

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

S N	Parameter	Standard

(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

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

S N	Waste Type	Mode of Disposal

(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

DILIP KUMAR Digitally signed by DILIP KUMAR Date: 2018.10.30 11:39:39 +05'30'

(Dilip Kumar)
Environmental Engineer

Memo No. : JSPCB/HO/RNC/CTO-3706288/2018/1699

Dated : 2018-10-30

Copy to: Sri Prabhu Singh, Director, of M/s Jai Prabhuji Iron & Steel Pvt. Ltd., At- C-21 to 24, Kandra Industrial Area, Govindpur, Dhanbad/ Director of Industries, Government of Jharkhand, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Chief Inspector of factories, Ranchi/ Deputy Commissioner, Dhanbad/ D.F.O., Dhanbad/D.M.O., Dhanbad/ Regional Officer, R.O., Dhanbad for information & ensuring compliance of the above.

DILIP KUMAR Digitally signed by DILIP KUMAR Date: 2018.10.30 11:39:58 +05'30'

(Dilip Kumar)
Environmental Engineer

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/AP/07

Name & Address of the Party : M/s Jai Prabhuji Iron & Steel Pvt Ltd. Kandra Industrial Area, Kandra-828109.

Report No. : VEL/AP/2309250130

Format No : 7.3 F-03

Party Reference No : NIL

Reporting Date : 30/09/2023

Period of Analysis : 25/09/2023-30/09/2023

Receipt Date : 25/09/2023

Name of Sample : **Stack Emission Monitoring**

Sample Group : Atmospheric Pollution

General Information

Sampling Location	:	Induction Furance
Sample Collected By	:	VEL Representative (Sher Singh)
Date of Sampling	:	23/09/2023
Sampling duration (Minutes)	:	40.0
Stack attached to	:	Fume Extraction Systems & Bag Filter
Make of stack	:	MS
Type of Fuel Used	:	Electricity
Diameter of stack(m)	:	0.35 Mtr.
Height of stack(m)	:	30.48 Mtr.
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature - Ta (°C)	:	30.0
Temperature of Stack Gases - Ts (°C)	:	102.0
Velocity of Stack Gases (m/sec.)	:	6.68
Flow rate of PM (LPM)	:	23.0
Flow rate of Gas (LPM)	:	2.0
Sampling condition	:	Isokinetic
Protocol used	:	IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM)	IS:11255 (P-1)	68.75	mg/Nm3	100.0
2	Sulphur Dioxide (as SO2)	IS:11255 (P-2)	BLQ(LOQ-2.0)	mg/Nm3	Not Specified
3	Oxide of Nitrogen (as NOX)	IS:11255 (P-7)	BLQ(LOQ-1.0)	mg/Nm3	Not Specified
4	Carbon Monoxide (as CO)	IS 13270 : 2019 / By Flue Gas Analyser	2.60	% V/V	Not Specified
5	Carbon Dioxide(as CO2)	IS:13270, Orsat Analysis, RA:2005	0.15	% V/V	Not Specified

BLQ-Below Limit of Quantification,LOQ-Limit of Quantification.

End of Report

Reviewed By

Authorized Signatory

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/AP/01
Name & Address of the Party : M/s Jai Prabhuji Iron & Steel Pvt Ltd. Kandra Industrial Area, Kandra-828109.

Report No. : VEL/AP/2309250124
Format No : 7.8 F-05
Party Reference No : Nil
Reporting Date : 30/09/2023
Period of Analysis : 25/09/2023-30/09/2023
Receipt Date : 25/09/2023

Name of Sample : AMBIENT AIR
Sample Group : Atmospheric Pollution

General Information

Sampling Location	: Near Main Gate (Beside Security Guard Room
Sample Collected By	: VEL Representative (Sher Singh)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/11
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clera Sky
Date of Monitoring	: 23/09/2023 To 24/09/2023
Time of Monitoring	: 10:15 AM to 10:15 AM
Ambient Temperature (°C)	: Min.25°C, Max.35°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS 5182
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	89.74	µg/m³	100
2	Nitrogen Dioxides (as NO_2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	21.20	µg/m³	80
3	Sulphur Dioxide (as SO_2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	21.56	µg/m³	80

End of Report

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/AP/02

Name & Address of the Party : M/s Jai Prabhat Iron & Steel Pvt Ltd
Kandra Industrial Area, Kandra-828109

Report No. : VEL/AP/2309250128
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 30/09/2023
Period of Analysis : 25/09/2023-30/09/2023
Receipt Date : 25/09/2023

Name of Sample : **AMBIENT AIR**
Sample Group : Atmospheric Pollution

General Information

Sampling Location	: Near Store Room
Sample Collected By	: VEL Representative (Sher Singh)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/12
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/09/2023 To 24/09/2023
Time of Monitoring	: 10:30 AM to 10:30 AM
Ambient Temperature (°C)	: Min 25°C, Max 35°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS :5182
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	82.74	µg/m³	100
2	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	24.98	µg/m³	80
3	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	17.50	µg/m³	80

End of Report

Reviewed By

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- The report as with Suffix A Amended Report
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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/AP/03
Name & Address of the Party : M/s Jai Prabhuji Iron & Steel Pvt Ltd. Kandra Industrial Area, Kandra-828109

Report No. : VEL/AP/2309250128
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 30/09/2023
Period of Analysis : 25/09/2023-30/09/2023
Receipt Date : 25/09/2023

Name of Sample : **AMBIENT AIR**
Sample Group : Atmospheric Pollution

General Information

Sampling Location	: Beside Temple
Sample Collected By	: VEL Representative (Sher Singh)
Sampling Equipment used	: RDS/FPS
Instrument Code	: VEL/RDS/FPS/13
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/09/2023 To 24/09/2023
Time of Monitoring	: 10:45 AM to 10:45 AM
Ambient Temperature (°C)	: Min.26°C, Max.35°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS :5182
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
Discipline : Chemical					
1	Particulate Matter (as PM -10)	IS:5182 (P-23), Gravimetric Method, RA:2006	76.90	µg/m³	100
2	Nitrogen Dioxides (as NO2)	IS:5182 (P-6), Jacob & Hochheiser, RA:2006	26.74	µg/m³	80
3	Sulphur Dioxide (as SO2)	IS:5182 (P-2), Modified West and Gaeke, RA:2012	18.50	µg/m³	80

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number :	VEL/PE/01
Name & Address of the Party	: M/s Jai Prachuji Iron & Steel Pvt Ltd. Kandra Industrial Area, Kandra-828109.
Report No.	: VEL/PE/2309250010
Format No	: 7.8 F-03
Party Reference No	: NIL
Reporting Date	: 30/09/2023
Period of Analysis	: 25/09/2023-30/09/2023
Receipt Date	: 25/09/2023
Sampling Date	: 22/09/2023
Sampling Quantity	: 2.0 Ltrs.
Sampling Type	: Grab
Name of Sample	: **Waste Water (ETP Inlet)**
Sample Group	: Pollution & Environment
Location	: ETP Plant
Sample Collected By	: VEL Representative (Sher Singh)
Environmental Condition	: 25±2°C
Sampling and Analysis Protocol	: APHA & IS

S.No.	Test Parameters	Test Method	Result	Unit
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 (P-11)	6.51	--
2	Total Suspended Solids,max	IS: 3025 (P-17)	112.00	mg/L
3	Total Dissolved Solid at 180°C	IS: 3025 (P-16)	1236.00	mg/L
4	Temperature	IS:3025 (P-9)	20.4	°C
5	Oil & Grease,max	IS 3025 (P-39)	6.00	mg/L
6	BOD (3 Days at 27°C)	IS 3025 (Part-44)	102.00	mg/L
7	COD, max	APHA, 5220 B Open Reflux Method	412.00	mg/L

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/PE/01
Name & Address of the Party : M/s Jai Prabhuji Iron & Steel Pvt Ltd, Kandra Industrial Area, Kandra-828109

Report No. : VEL/PE/2309250020
Format No : 7.8 F-03
Party Reference No : Nil
Reporting Date : 30/09/2023
Period of Analysis : 25/09/2023-30/09/2023
Receipt Date : 25/09/2023
Sampling Date : 23/09/2023
Sampling Quantity : 2.0 Ltrs.
Sampling Type : Grab

Name of Sample : **Waste Water (ETP Outlet)**
Sample Group : Pollution & Environment
Location : ETP Plant
Sample Collected By : VEL Representative (Sher Singh)
Environmental Condition : 25±2°C
Parameter Required : As per work order
Analysis Protocol : APHA & IS

S.No.	Test Parameters	Test Method	Result	Unit	Limits as per EPA (Sche.-VI)		
					Inland Surface Water	Public Sewers	Land for Irrigation
Discipline : Chemical							
1	pH (at 25°C)	IS:3025 (P-11)	7.53	--	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0
2	Total Suspended Solids,max	IS: 3025 (P-17)	5.60	mg/L	100.0	600.0	200.0
3	Total Dissolved Solid at 180°C	IS: 3025 (P-16)	460.00	mg/L	--	--	-
4	Temperature	IS:3025 (P-9)	20.4	°C	--	-	
5	Oil & Grease,max	IS:3025 (P-39)	BLQ(LOQ-4.0)	mg/L	10.0	20.0	10.0
6	BOD (3 Days at 27°C)	IS 3025 (Part-44)	12.00	mg/L	30.0	350.0	100.0
7	COD, max	APHA, 5220 B Open Reflux Method	28.00	mg/L	250.0	--	--

BLQ-Below Limit of Quantification,LOQ-Limit of Quantification

End of Report

Reviewed By 30/09/2023

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Test Report

Sample Number : VEL/W/01
Name & Address of the Party : M/s Jai Prabhuji Iron & Steel Pvt Ltd
Kandra Industrial Area, Kandra-828109

Report No. : VEL/W/2309250047
Format No : 7.8 F 03
Party Reference No : NIL
Reporting Date : 30/09/2023
Period of Analysis : 25/09/2023-30/09/2023
Receipt Date : 25/09/2023
Sampling Date : 23/09/2023
Sampling Quantity : 5.0 Ltrs
Sampling Type : Grab

Name of Sample : **Borewell Water**
Sample Group : Water/Residues and contaminants in Water
Location : Outside of the Plant
Sample Collected by : VEL Representative (Sher Singh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : APHA & IS

S.No.	Test Parameters	Test Method	Results	Units	Requirement as per IS:10500-2012#	
					Acceptable Limits	Permissible Limits
Discipline : Chemical						
1	pH (at 25°C)	IS 3025 (P-11)	7.45	–	6.5 to 8.5	No Relaxation
2	Turbidity,max	IS 3025 (P-10)	BLQ(LOQ-1.0)	NTU	1	5
3	Total Dissolved Solids (at 180°C ± 1°C),max	IS 3025 (P-16)	456.00	mg/L	500	2000
4	Calcium (as Ca),max	IS 3025 (P-40)	43.00	mg/L	75	200
5	Alkalinity (as CaCO3)	IS 3025 (P-23)	188.00	mg/L	200	600
6	Chloride (as Cl),max	IS 3025 (P-32)	102.00	mg/L	250	1000
7	Total Hardness (as CaCo3),max	IS 3025 (P-21)	168.00	mg/L	200	600
8	Sulphate (as SO4),max	IS 3025 (P-24)	52.00	mg/L	200	400
9	Iron (as Fe),max	VEL/STP/CP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
10	Manganese (as Mn),max	VEL/STP/CP/W-01, Issue No. -01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3

BLQ-Below Limit of Quantification,LOQ-Limit of Quantification

End of Report

Reviewed By 30/09/2023

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भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

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

Project Name:	M/s Jaiprabhuji Iron And Steel Pvt Ltd		
Project Address:	Kandra Industrial Area, P.o. Bhitia,, Govindpur, Dhanbad, Jharkhand		
Village:	Bhitia	Block:	Govindpur
District:	Dhanbad	State:	Jharkhand
Pin Code:			
Communication Address:	M/s Jaiprabhuji Iron And Steel (p) Ltd, 27, Weston Street, 6th Floor, Room No.-611, Kolkata- 700012, , Kolkata, West Bengal - 700012		
Address of CGWB Regional Office :	Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, Patna, Bihar - 800011		

1.	**NOC No.:**	CGWA/NOC/IND/ORIG/2021/10346			
2.	Application No.:	21-4/509/JH/IND/2019	3.	Category: (GWRE 2017)	Safe
4.	Project Status:	Existing Project	5.	NOC Type:	New
6.	**Valid from:**	20/01/2021	7.	**Valid up to:**	19/01/2024

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
51.00	15300.00						

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:2						Total Proposed No.:0					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	0	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10. Ground Water Abstraction/Restoration Charges paid (Rs.): 45900.00

11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.

No. of Piezometers	Monitoring Mechanism		
	Manual	DWLR**	DWLR With Telemetry
1	0	1	0

**DWLR - Digital Water Level Recorder

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

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

Mandatory conditions:

1) Installation of digital water flow meter (conforming to BIS/ IS standards) having telemetry system in the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate through the web-portal.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be 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.

4) Proponents shall monitor quality of ground water from 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 analysed in NABL accredited 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.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) The firm shall submit the water audit report in case of water requirement is in excess of 100 m3/day through certified auditors within three months of completion of the same to CGWA.

9) 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.

10) 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.

General conditions:

11) 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).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) 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.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.

17) 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.

18) 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.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of 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.

22) 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 60 days of taking over possession of the premises.

23) 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.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CSR ACTIVITIES: PERIOD 01.04.2023 TO 30.09.2023

SL NO	ACTIVITY	AMOUNT SPENT in Rs.
1.	Shri Ganga Gausala	9,000.00
2.	Bhitia Sports Club	45,000.00
3.	Gram Sabha, Bhitia	3,35,000.00
	Total	**Rs. 3,89,000.00**

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

(कतरास -करकेन्द)

झारखण्ड गौ सेवा आयोग, पंजीयन संख्या - 03/2007-08

पो० : कतरासगढ़, जिला : धनबाद - 828113

5506 Mob. No.- 7903415635, 8434761000

रसीद नं०

दिनांक 22.4.23

श्रीमती/श्रीमान एम डी आमल एंड स्टील

पता गोविन्दपुर

दाता का पैन नं० मो०

मेल पता

PAN - AABTS 6018B

श्री गंगा गौशाला को गौ सेवा हेतु दान स्वरुप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, धनबाद पंजीकरण संख्या - AABTS6018BF2015 FOR 12A

AABTS6018BF20213 FOR 80G

विवरण	रुपया
गौ-सेवा मार्फ	1500/-
कुल राशि	1500/-

रु० शब्दों में एक हजार पाँच सौ रु

चेक विवरण

PNB A/c No.- 663200100012249

IFSC CODE - PUNB0663200

दाता का हस्ताक्षर महासचिव प्राप्तकर्त्ता

|| [illegible] ||

श्री गंगा गौशाला

([illegible])

[illegible] – 07/2007-09

पो० : [illegible], जिला : [illegible] – [illegible]13

Mob. No.- 7992415675, 9434761009

5792

रसीद नं०

दिनांक 19.5.23

श्रीमान/श्रीमती जय प्रभु आयरन एंड स्टील प्रा० लि० गोविन्दपुर

पता

[illegible]

[illegible]

PAN - AABTS [illegible]

[illegible]

विवरण	राशि
[illegible]	1500/-
कुल राशि	1500/-

रुपया शब्दों में एक हजार पांच सौ

[illegible]

PNB A/c No. - 6632000100012249
IFSC CODE - PUNB0663200

महासचिव

प्राप्तकर्ता

दाता का हस्ताक्षर

!! वन्दे धेनु मातरम् !!

श्री गंगा गौशाला

([illegible])

6187

झारखण्ड गौ सेवा आयोग, पंजीकरण संख्या – 03/2007–08

पो० : [illegible], जिला : [illegible] – 828[illegible]

Mob. No.- 7903415635, 8434761000

रसीद नं०

दिनांक 22.6.23

श्रीमती/श्रीमान जगबन्धु आसमान ऐड्वोकेट

पता गोविन्दपुर

चेक या ड्राफ्ट नं० —— दि०

बैंक का नाम

PAN - [illegible]

श्री गंगा गौशाला को गो सेवा हेतु दान स्वरूप दी गई राशि में आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, [illegible]

पंजीकरण संख्या – [illegible] FOR 12A

[illegible] FOR 80G

विवरण	राशि
सुरभि-सेवा मद	1500/-
कुल राशि	1500/-

रु० शब्दों में एक हजार पांच सौ रु०

चेक विवरण

PNB A/c No.- 06632000100012249

IFSC CODE - PUNB0663200

दाता का हस्ताक्षर

महामंत्री

कोषाध्यक्ष

॥ [illegible] ॥

श्री गंगा गौशाला

([illegible])

[illegible] की सेवा [illegible], पंजीकरण संख्या - [illegible]

फोन : [illegible]

6777 Mob. No.- 7903415635, 8434761000

रसीद नं.

दिनांक 27.7.23

श्रीमान/श्रीमती अग्रदूत आगमन ऐडवील प्रा० लि०

पता गोविन्दपुर

दाता का पैन नं. [illegible] फोन

मोबाइल नं.

[illegible]

श्री गंगा गौशाला को दी गई [illegible] आयकर अधिनियम 1961 के धारा 80(G) के तहत छूट प्राप्त होगी। छूट का अधिकार पत्र आयकर आयुक्त, [illegible]

पंजीकरण संख्या - [illegible] FOR 12A

[illegible] FOR 80G

विवरण	राशि
कुटीर-तैला भूसा	1500
कुल राशि	1500

रुपये शब्दों में एक हजार पांच सौ रु

चेक विवरण

PNB A/c No.- 6632000100012249
IFSC CODE - PUNB0663200

दाता का हस्ताक्षर   सहायक [illegible]   प्राप्तकर्ता

॥ वन्दे धेनु मातरम् ॥

श्री गंगा गौशाला

[illegible]

7033 [illegible]

[illegible]

Mob. No.- 7903415635, 8434761000

रसीद नं. दिनांक 22.8.23

श्रीमान/श्रीमती [illegible]

पता: [illegible] मो.:

ड्राफ्ट या चेक नं.

बैंक नाम

PAN - [illegible]

[illegible] आयकर अधिनियम 1961 की धारा 80(G) के तहत छूट प्राप्त होगी। [illegible]

[illegible]

विवरण	राशि
सुरभि-सेवा जुलाई	1500/-
कुल राशि	1500/-

रु. शब्दों में: एक हजार पांच सौ रु

चेक विवरण

PNB A/c No.- 6532000100012249

IFSC CODE - PUNB0653200

दाता का हस्ताक्षर महासचिव प्राप्तकर्ता

|| [illegible] ||

श्री गंगा गौशाला

[illegible]

7577

Mob. No.- 7903415635, 8434761000

दिनांक 23-9-23

श्रीमती/श्रीमान जगदम्बा आयरन एंड स्टील प्रा0 लि0

[illegible]

PAN - [illegible]

[illegible] आयकर अधिनियम 1961 की धारा 80(G) के तहत छूट प्राप्त होगी। [illegible]

विवरण	रुपया
[illegible]	1500/-
कुल राशि	1500/-

रुपये शब्दों में एक हजार पांच सौ ₹

PNB A/c No.- 06320001000122249
IFSC CODE - PUNB0063200

दाता का हस्ताक्षर

प्राप्तकर्ता

BHITIA SPORTS CLUB

BHITIA STADIUM, KANDRA INDUSTRIAL AREA, BHITIA
GOVINDPUR, DIST.- DHANBAD, PIN 828109

Sl. No. 195

Date 12/09/23

Received with thanks from

Sri/Smt. [illegible]

the sum of Rupees Forty Five Thousand Only

as Donation/Suvription for promoting Sports & other Activities.

₹ 45000/-

Collector

NEW ARUNA PRESS GOVINDPUR # 9973748859

ग्राम पंचायत भितिया

प्रखण्ड-गोविन्दपुर, धनबाद (झारखण्ड)

रेखा देवी
मुखिया
मो.: 7646059288
9798745684

आवास एवं कार्यालय:-
ग्राम-तुमादाहा, पो०-भितिया
थाना-बरवाअड्डा, जिला-धनबाद
पिन-828109

पत्रांक 28/2023 दिनांक 26/06/2023

प्रभु प्रभु अमरन अण्ड स्टील प्रा० लिमिटेड
कांड्रा कंडस्ट्रीयल एरिया गोविन्दपुर
धनबाद, झारखण्ड

विषय:- विभिन्न सामाजिक कार्यों में सहयोग राशि
प्रदान करने के सम्बन्ध में,

(1) खेलकुद प्रतियोगिता में सहयोग राशि – 55000/=
(2) एवं बच्चियों के लिए जलापूर्ति में सहयोग राशि-75000/=
(3) विद्यालय एवं ग्रामीण क्षेत्रों में पुस्तकालय
व्यवस्था में सहयोग राशि - -- 65000/=
(4) गरीब बच्चियों का विवाह हेतु
सहयोग राशि ---- 110000/=
(5) असहाय एवं बीमार परिवारों को
सहयोग राशि – 30000/=
कुल सहयोग राशि - 3,35,000/=

तीन लाख पैंतीस हजार रुपये मात्र
जैसे उत्थान में सामाजिक कार्यों को करने एवं सहायता
प्रदान करने के लिए कुटुम्ब-कुटुम्ब
धन्यवाद।

रेखा देवी
26/06/2023
मुखिया
ग्राम पंचायत-भितिया
प्रखण्ड-गोविन्दपुर, धनबाद (झारखण्ड)

JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DIURWA, RANCHI 834004
Telephone. 0651-2400830 (Fax)/ 2400851/2400952/2401847/2400979/2401013

Ref No.:- B-1156 Ranchi, Dated: - 17/06/2022

Verification Of Certificate On " No Increase In Pollution Load" In Accordance With MoEF&CC, Govt. Of India Notification No. S.O. 236 (E) Dated 16.01.2020 and Notification No. No. S.O. 980 (E), Dated 02.03.2021 Submitted by M/S Jai Prabhuji Iron &Steel Pvt. Ltd. ,At- Kandra Industrial Area, Govindpur, Dist.- Dhanbad, State: JharkhandFor Product Mix For Production Of 36000 TPA M.S. Billets In Place Of 36000 TPA M.S. Ingot Through Installed CCM Without Altering The Overall Production Quantity, Technology Keeping Overall Production Of 36000 TPA same as mentioned In The Environment Clearance (E.C)

1. Environmental Clearance (EC) from Ministry of Environment, Forests & Climate Change (MoEF& CC) vide MoEF&CC letter ref. no. F.No.J.-11011/180/2010-IA-I (I) dated 13.07.2011 for expansion M S. Ingots manufacturing from 21600 TPA to 36000 TPA and installation of submerged arc furnace to manufacture 15000 TPA of Silico-manganese ferro-alloy.
2. The Submerged Arc Furnace (2 x 5 MVA) not installed by JPISPL. Only 36000 TPA M.S. Ingots was being produced through Induction Furnace.
3. Consent to Operate has been granted by JSPCB vide ref JSPCB/HO/RNC/CTO-3706288/2018/1699 dated 30.10.2018 valid up to 31.12.2023
4. An application has been made by the Project Proponent to Ministry of Environment, Forests & Climate Change (MoEF& CC) vide proposal no. IA/JH/IND/3121/2011 dated 24.02.2018 for amendment in Existing Environment Clearance ref. no. F.No J.-11011/180/2010-IA-I (I) dated 13.07.2011 for
   i. Production of 36000 TPA M.S. Billets only in place of M.S. Ingot from the existing Induction furnace (1x3T & 2x6T) by installing CCM.
   ii. Dropping of proposal for installation of Submerged Arc Furnace unit (2x5 MVA) for production of 15000 TPA silico-manganese from approved EC in 2011.
5. The Ministry of Environment, Forests & Climate Change (MoEF& CC) vide ref. no. J11011/180/2010-IA.II(I) dated 06.11.2019 has directed the Project Proponent to follow the procedure of section 7 (ii)(c) EIA Notification, 2006 for the proposal cited above.

6. Industry has submitted the proposal on PARIVESH portal on 25.10.2021

7. The MoEF&CC, Government of India has amended the EIA notification 14th September, 2006 by notification vide S.O. 980 (E), dated 02.03.2021 which stipulates "Any increase in production capacity in respect of processing or production or manufacturing sectors (listed against item numbers 2,3, 4 and 5 in the Schedule to this notification) with or without any change in (i) raw material-mix or (ii) product-mix or (ii) quantities within products or (ii) number of products including new products falling in the same category or (iv) configuration of the plant or process or operations in existing area or in areas contiguous to the existing area (for which prior environmental clearance has been granted) shall be exempt from the requirement of Prior Environmental Clearance provided that there is no increase in pollution load (derived on the basis of such Prior Environmental Clearance)".

8 The Project Proponent has received No Increase In Pollution Load Certificate from the third- party auditor empanelled by the Board (i.e. MECON) for the proposal.

9. The proposal was discussed in the Technical cum Verification Committee meeting for issue of "No Increase of Pollution Load Certificate" held on 09.05.2022

Considering the above the Committee recommended for issue of "No Increase of Pollution Load Certificate" for keeping overall production same with the following conditions:

(i) The Proponent shall inform to the MoEF&CC, Govt. of India about verification of "No Increase of Pollution Load Certificate" for Product Mix for production of 36000 TPA M.S. Billets in place of 36000 TPA M.S. Ingot through installed CCM without altering the overall production quantity, technology keeping overall production of 36000 TPA same as that of EC and take additional pollution control measures, if any as advised by the MoEF&CC, Govt. Of India.

(ii) The Proponent shall upload the " No Increase of Pollution Load Certificate" for the proposal on the online portal developed by MoEF&CC, Govt. of India for No Increase in Pollution Load Certificate and shall submit the copy of screenshot of the same along with the application for Consent to Establish for the proposal.

(iii)The Proponent shall be allowed for trail run for 06-months for operation for Product Mix for production of 36000 TPA M.S. Billets in place of 36000 TPA M.S. Ingot through installed CCM without altering the overall production quantity, technology keeping overall production of 36000 TPA same as that of EC.During the trail run period, a joint inspection and/or monitoring shall be

carried out twice jointly by the Regional Office, Head ad Office of The State Pollution Control Board, Jharkhand and the third- party auditor empanelled by the Board (i.e MECON) to check the adequacy of the existing pollution control measures for Product Mix for production of 36000 TPA M S. Billets in place of 36000 TPA M.S. Ingot through installed CCM without altering the overall production quantity, technology keeping overall production of 36000 TPA same as that of EC. The monitoring shall be carried out in full rated capacity. All the parameters submitted in the report of "No Increase of Pollution Load" by the Proponent to be verified during this monitoring. Based on the satisfactory performance of the existing pollution control measures, final Consent to Operate will be considered.

(iv) The Project Proponent shall take responsibility to satisfy itself about "No Increase of Pollution Load" as a result of changes, expansion or modernization, as the case may be before under taking such changes or increase, and the project proponent shall be liable for action under the provisions of the Environment (Protection) Act, 1986 if on verification of facts or claim it is found that such change or expansion or modernization involves increase in pollution load. In such case, action will be taken against the 3rd Party Auditor for providing such false information/data.

(Yatindra Kumar Das)
Member Secretary

To,

The Plant Head

Jai Prabhuji Iron & Steel Pvt. Ltd.,

At- Kendra Industrial Area, Govindpur,

Dist - Dhanbad, State: Jharkhand.

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/AP/04
Name & Address of the Party : M/s Jai Prabhuji Iron & Steel Pvt Ltd
Kandra Industrial Area, Kandra-828109

Report No. : VEL/AP/2309250127
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 30/09/2023
Period of Analysis : 25/09/2023-30/09/2023
Receipt Date : 25/09/2023

Name of Sample : **AMBIENT NOISE**
Sample Group : Atmospheric Pollution

General Information

Sampling Location	: Near Main Gate
Sample Collected By	: VEL Representative (Sher Singh)
Sampling Equipment used	: Sound Level Meter
Instrument Code	: VEL/SLM/15
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/09/2023 To 24/09/2023
Time of Monitoring	: 06.00 AM to 06.00 AM
Ambient Temperature (°C)	: Min.25°C, Max.35°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: CPCB
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	I S-9989	72.56	61.74	dB (A)

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

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

End of Report

Reviewed By

Authorized Signatory

Terms & Conditions

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

Vardan EnviroLab®

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number	: VEL/AP/05
Name & Address of the Party	: M/s Jai Prabhuji Iron & Steel Pvt Ltd. Kandra Industrial Area, Kandra-828109.
Report No	: VEL/AP/2309250128
Format No	: 7.8 F-03
Party Reference No	: NIL
Reporting Date	: 30/09/2023
Period of Analysis	: 25/09/2023-30/09/2023
Receipt Date	: 25/09/2023
Name of Sample	: AMBIENT NOISE
Sample Group	: Atmospheric Pollution

General Information

Sampling Location	: Near Store Room
Sample Collected By	: VEL Representative (Sher Singh)
Sampling Equipment used	: Sound Level Meter
Instrument Code	: VEL/SLM/16
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clera Sky
Date of Monitoring	: 23/09/2023 To 24/09/2023
Time of Monitoring	: 06.00 AM to 06.00 AM
Ambient Temperature (°C)	: Min.25°C, Max.30°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: CPCB
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	I S-9989	66.75	52.80	dB (A)

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

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

End of Report

Reviewed By

Authorized Signatory

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number : VEL/AP/86

Name & Address of the Party : M/s Jai Prabhuji Iron & Steel Pvt Ltd.
Kandra Industrial Area, Kandra-826109

Report No. : VEL/AP/2309250120
Format No : 7.8 F-03
Party Reference No : NIL
Reporting Date : 30/09/2023
Period of Analysis : 25/09/2023-30/09/2023
Receipt Date : 25/09/2023

Name of Sample : **AMBIENT NOISE**
Sample Group : Atmospheric Pollution

General Information

Sampling Location	: Beside Temple
Sample Collected By	: VEL Representative (Sher Singh)
Sampling Equipment used	: Sound Level Meter
Instrument Code	: VEL/SLM/17
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 23/09/2023 To 24/09/2023
Time of Monitoring	: 06:00 AM to 06:00 AM
Ambient Temperature (°C)	: Min 25°C, Max 35°C
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: CPCB
Sampling Duration	: 24.0 Hours
Parameter Required	: As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	I S-9989	64.96	51.30	dB (A)

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

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

End of Report

Reviewed By

Authorized Signatory

Terms & Conditions

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

Annexure 8

OM SAI HOSPITAL & RESEARCH CENTRE

BICH BAZAR, GOVINDPUR, DHANBAD (JHARKHAND)
Ph: 06540-252402, Mob: 9470995789, 9709208083
Website : www.omsaihospital.org Email : osh@omsaihospital.org

Date:- 20/02/2023

EMPLOYEE HEALTH REPORT OF JAI PRABHUJI IRON & STEEL PVT. LTD

SL.NO	NAME OF EMPLOYEE	X-RAY REPORT	P.F.T REPORT	REMARK
1.	FIROJ ANSARI	NAD	73%	
2.	SAMSHER ANSARI	NAD	76%	
3.	ASLAM ANSARI	NAD	75%	
4.	ASIF ANSARI	------	------	AB
5.	AJAY KUMAR SINHA	NAD	73%	
6.	IBRAR ALAM ANSARI	NAD	76%	
7.	MD. RIZWAN AFTAB	NAD	74%	
8.	SINGHASHAN SINGH	NAD	77%	
9.	DILIP KUMAR PATHAK	NAD	73%	
10.	RATISH JHA	NAD	75%	
11.	ASAD ANSARI	NAD	76%	
12.	VIVEKANAND	NAD	72%	
13.	INAMUL ANSARI	NAD	74%	
14.	KHURSHID ALAM	NAD	73%	
15.	SOHAL ANSARI	NAD	75%	
16.	SUBHASH CHANDRA VERMA	NAD	72%	
17.	MD. NAHID ANSARI	NAD	75%	
18.	MEGHU MAHATO	NAD	78%	
19.	SIDDIK ANSARI	NAD	74%	
20.	MD. JASIM ANSARI			AB
21.	JAINUL ANSARI	NAD	73%	
22.	CHANDA SINGH	NAD	75%	
23.	MD. SABUL ANSARI	NAD	72%	

Vikash Raman 20/2/2023

Dr. Vikash Raman

Director Medical

Om Sai Hospital & Research Centre.

TOTAL EXPENDITURE ON EMP

SL NO	ACTIVITY	AMOUNT SPENT in
	Opening Total Expenditure till 30.03.2023	**Rs. 58,80,799.00**
Additional expenses between: 01.04.2023 to 30.09.2023		
1.	Salary of gardener and consumables	72,000.00
2.	Water Sprinkling for Dust	25,000.00
	Sub Total	**Rs. 97,000.00**
	Grand Total up to 30.09.2022	**Rs. 59,77,799.00**

O/C

JAI PRABHUJI IRON & STEEL PRIVATE LIMITED

JAI PRABHUJI

MANUFACTURERS OF QUALITY M.S. BILLET

Works : C-21-25, Kandra Industrial Area, Govindpur, Dhanbad - 828 109 (Jharkhand)
Regd. Office : Kalpana Villa, Midway Nursing Home Lane, Near Barakar Bus Stand South,
P.O.- Barakar - 713343, Dist.- Paschim Burdwan (W.B.)
Email : jai_prabhuji@rediffmail.com • jaiprabhuji280@gmail.com
Website : www.jpispl.com, CIN No. : U27104WB2003PTC096615
Mobile : 9431125242 • 9431124208

Ref. No. JPIS/Gen/ 005/23-24

Dated – 19.06.2023

To,

The Regional Officer,
Jharkhand State Pollution Control Board,
Dhanbad.

Sub. – Submission of Environmental Statement for the Financial year ending 31st March, 2023.

Dear Sir,

With due respect we beg to say that we are submitting herewith environmental statement for the year 31st March 2023 in triplicate copy.

Kindly do the needful & oblige.

Thanking you & assuring you of our best attention at all time we remain.

Your's Truly,
For Jai Prabhuji Iron & Steel (P) Ltd.,

R.K. Choudhary

Director

Received
JHARKHAND STATE POLLUTION CONTROL BOARD
JSPCB
DHANBAD

CC:-
Member Secretary
JSPCB, T.A Division Building
HEC , Dhurwa , Ranchi (Jharkhand)

21/06/23

From V
(see Rule 14)

Environmental Statement for the financial year ending the 31st March 2023,

PART-A

1) Name & Address of the Owner/ Occupier of the industry operation Or process : **M/s Jai Prabhuji Iron & Steel Pvt. Ltd.**
C- 21-24, Kandra Industrial Area,
Govindpur, Dhanbad – 828109
Jharkhand

2) Industry category primary: (STC Code): Iron Casting

3) Production capacity (Units): MS Billet - 36000 TPA

4) Date of the last environmental statement submitted: 09.06.2022

5) Year of establishment: 23.07.2004

PART- B

Water and Raw Materials Consumption

(1) Water consumption per day : 21 KLD

Process	: Nil
Cooling	: 16 KLD
Domestic	: 03 KLD
Other	: 02 KLD

Name of the Products	Process water consumption per unit of Product output	
	During the previous Financial year	During the current financial year
Cooling	0.135 KL/T	0.136 KL/T

(ii) Raw Material Consumption

Name of Material	Name of Product	Consumption of raw material per Unit of product output	
		During the previous financial year (2021-2022)	During the current financial year (2022-2023)
MS Scrap Sponge Iron, Cast Iron	MS Billet	1.261 T/T	1.263 T/T

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

For Jai Prabhuji Iron & Steel Pvt. Ltd.
R.K. Choudhary
Director

PART-C

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

1. Pollutants	Quantity of pollutants discharged (Mass/day)	concentrations of pollution in discharged (Mass/day)	Variation from prescribed with reasons
(a) Water	Zero Ind. Effluent Discharge maintained with recycling	NA	NA
(b) Air	Within norms	Monitoring reports Enclosed.	NA

PART-D

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

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial year	During the current financial year
(a) From Process	Nil	Nil
(b) From pollution Facilities	Nil	Nil

PART-E

Solid Waste

	Total Quantity (in MT.)	
	During the previous Financial year (2021-2022)	During the current Financial year (2022-2023)
(a) From Process	9366 MT	9444 MT
(b) From Pollution Control Facilities	Nil	Nil
1. Quantity received or re-utilized Within the unit		
2. Solid	9300 MT	9400 MT (disposed)
3. Disposed		

For Jai Prabhuji Iron & Steel Pvt. Ltd.

R.K. Choudhary

Director

PART-F

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

Solid Waste (Slag) is to outside parties (Rama Metal Udyog, Kajora, WB) for metal extraction and re-use in construction filling.

PART-G

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

This work zone environment is maintained and hence efficiency of workers improved.

PART-H

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

FES with Scrubber has been installed, other measures as per direction of the Board

PART-I

Any other particulars for improving the quantity of the environment.

Tree Plantation has been done and maintained properly, Water spraying is done when and where is required. Further plantation is being carried out in the plant premises.

For Jai Prabhuji Iron & Steel Pvt. Ltd.

R.K. Choudhary

Director

M/S JAI PRABHUJI IRON & STEEL PVT LTD KANDRA NDUSTRIAL AREA, DHANBAD		
COMPLIANCE REPORT OF CONSENT TO OPERATE		
Ref No. JSPCB/HO/RNC/CTO-3706288/2018/1699, Dated 2018-10-30		
SPECIFIC CONDITIONS		
1	That, the occupier shall operate and maintain air pollution control Device regularly and keep record of it. And it keep record of it.	Being Complied
2	That, the occupier shall keep the maximum annual production below the capacity required for the obtaining Environment Clearance as per EIA Notification 2006 and shall submit Annual production report to this office yearly	Agreed and complied
3	That, the occupier shall utilize and dispose slag properly.	Being complied. Slag is send to Recovery unit and used for road construction.
4	That, the occupier shall do water sprinkling at all the dust generated areas and maintain good housekeeping.	Complied. Water sprinkling done at all dusty generating area and housekeeping maintained.
5	That, the occupier shall in no case dispose water outside the premises of the unit.	Being complied. No water discharged outside.
6	That, the occupier shall make the inside work area pucca and maintain it.	Being Complied
7	That, the occupier shall implement rain water harvesting system regularly and shall make arrangement properly to quench rain water.	Complied. Two no's of recharge pit made.
8	That the occupier shall do tree plantation in all vacant area of the premise and shall protect it for 05 years.	Plantation done in all around the factory premises and continued.

9	That the occupier shall submit the compliance report along with all evidentiary documents and photographs of pollution control device.	Complied. (Photographs of PCD attached)
10	That the occupier shall if be found violating the consent to operate at any point of time during inspection of the plant by the competent authority, the consent to operate shall be revoked as per provision of the acts.	Being Complied
11	That the occupier shall submit applications for renewal of the 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 i.e. 31.12.2023 with documents showing compliance of all of the above conditions.	Complied
GENERAL CONDITIONS		

<table>
<tr>
<td>1</td>
<td>That, the occupier shall maintain the National Ambient Air Quality Standard given below:
<table>
<tr><th rowspan="2">S.N</th><th rowspan="2">Pollutant</th><th rowspan="2">Time Weighted Average</th><th colspan="2">Concentration in Ambient Air</th></tr>
<tr><th>Industrial Residential, Rural and Other Area</th><th>Ecologically Sensitive Area (notified by Central Govt)</th></tr>
<tr><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)</td><td>(5)</td></tr>
<tr><td>1</td><td>Sulphur Dioxide (SO2), µ/m^3</td><td>Annual
24Hours</td><td>50
80</td><td>20
80</td></tr>
<tr><td>2</td><td>Nitrogen Dioxide (NO2), µ/m^3</td><td>Annual
24Hours</td><td>40
80</td><td>30
80</td></tr>
<tr><td>3</td><td>Particulate Matter (Size less than 10 µm) or PM10 µ/m^3</td><td>Annual
24Hours</td><td>60
100</td><td>60
100</td></tr>
<tr><td>4</td><td>Particulate Matter (Size less than 10 µm) or PM2.5 µ/m^3</td><td>Annual
24Hours</td><td>40
60</td><td>40
60</td></tr>
<tr><td>5</td><td>Ozone (O3), µg/m^3</td><td>8Hours
1Hour</td><td>100
180</td><td>100
180</td></tr>
<tr><td>6</td><td>Lead (Pb) µg/m^3</td><td>Annual
24Hours</td><td>0.50
1.0</td><td>0.50
1.0</td></tr>
<tr><td>7</td><td>Carbon Monoxide (CO) mg/m^3</td><td>8Hours
1Hour</td><td>02
04</td><td>02
04</td></tr>
<tr><td>8</td><td>Ammonia (NH3) µg/m3</td><td>Annual</td><td>100
400</td><td>100
400</td></tr>
<tr><td>9</td><td>Benzene (C6H6) µg/m3</td><td>Annual
24Hours</td><td>05</td><td>05</td></tr>
<tr><td>10</td><td>Benzo(a) Pyrene (BaP) Particulate Phase only ng/m^3</td><td>Annual</td><td>01</td><td>01</td></tr>
<tr><td>11</td><td>Arsenic (As) ng/m^3</td><td>Annual</td><td>06</td><td>06</td></tr>
<tr><td>12</td><td>Nikel (Ni) ng/m^3</td><td>Annual</td><td>20</td><td>20</td></tr>
<tr><td colspan="5">Note: Serial no. 1 to 4 – Mandatory.
Serial no. 5 to 12 As applicable for specific type of industry.</td></tr>
</table>
</td>
<td>AAQ maintained as per norms. Monitoring reports for the period attached</td>
</tr>
<tr>
<td>2</td>
<td>That, the occupier shall maintain quality within the standard and the quantity, as follows:
<table>
<tr><td>S.N.</td><td>Parameter</td><td>Standard</td></tr>
</table>
</td>
<td>Emission well within the standard limit. Monitoring reports attached</td>
</tr>
<tr>
<td>3</td>
<td>That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:
<table>
<tr><td>S.N.</td><td>Parameter</td><td>Standard</td></tr>
</table>
</td>
<td>Wastewater reused and/or recycled. No discharge of any effluent outside the premises</td>
</tr>
</table>

<table>
<tr><td>4</td><td>That, the occupier shall dispose of solid wastes as follows:<table><tr><td>S.N.</td><td>Waste Type</td><td>Mode of Disposal</td></tr></table></td><td>Solid waste disposed as per norms.</td></tr>
<tr><td>5</td><td>That, the occupier shall keep DG set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.</td><td>Silent type D.G. set installed and exhaust pipe raised as per norms</td></tr>
<tr><td>6</td><td>That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.</td><td>Rain water harvesting - cum - ground water discharge system installed as per guidelines. Two nos of recharge pit is made.</td></tr>
<tr><td>7</td><td>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.</td><td>Greenery in the periphery and other available spaces are maintained. and being continued</td></tr>
<tr><td>8</td><td>That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.</td><td>Environmental statement for the period ending March 2023 already submitted</td></tr>
<tr><td>9</td><td>That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001: 2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of thisc CTO yearly at required periodicity.</td><td>Reports of NABL accredited laboratory enclosed</td></tr>
<tr><td>10</td><td>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.</td><td>Agreed</td></tr>
</table>

11	That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/unit/occupier.	All applicable statutory obligations are being complied.
12	That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding, if any instituted in past or that could be, instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.	Agreed
13	That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Water (Prevention & Control of Pollution) Cess Act, 1977, the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.	All applicable provisions of the Acts and Rules are being complied.

LETTER NO.7/DP 10 17/2018 का०नि०(मु०का०नि०)- 709

Office of the Chief Inspector of Factories, Jharkhand

Labour Building, Doranda, Ranchi.-834002

(Tel No.-0651-2480454, Fax No.-0651-2481224 Email ID- cif.jhr@gmail.com)

From,

Chief Inspector of Factories, Jharkhand,
Ranchi.

To,

The Occupier,
M/s Jai Prabhu Ji Iron & Steel Pvt. Ltd.,
At- C-21-24 Kandra Industrial Area, P.O.- Govindpur,
District- Dhanbad,
PIN- 833220.

Ranchi, Dated- 28. 05. 2018

Subject: Recommendation of inside and outside disaster plan of M/s Jai Prabhu Ji Iron & Steel Pvt. Ltd, Govindpur, Dhanbad.

Reference: Inspector of Factories, Dhanbad Circle No- 01, Dhanbad office letter no-58, dated- 18.05.2018

Sir,

The inside and outside disaster plan Submitted by you through Inspector of Factories, Dhanbad Circle No- 01, Dhanbad have been examined and the same is recommended subject to the following conditions: -

1. Regular Mock- drill shall be carried out in the factory at least once in every year and a detailed report should be made immediately available to the Chief Inspector of Factories, Jharkhand, Ranchi Office.
2. A detailed safety audit report conducted by an experienced outside agency shall be submitted along with details of health & safety policy of your factory.
3. The disaster plan will be up-dated and revised if there is any modification in the plant, process or industrial activity.
4. Adequate arrangement of medical/ relief facilities (first aid equipments etc.) should be provided and maintained in the emergency control room.
5. Telephone number of key persons to be noted and displayed in the central control room.

A copy of the recommended plan is enclosed herewith.

Yours Faithfully

28.5.18

(Arun Kumar Mishra)
Chief Inspector of Factories Jharkhand,
Ranchi.

NEXGEN INDUSTRIAL SAFETY TESTING

NIST

Competent Organisation
(Approved by the Chief Inspector of Factories Govt. of Jharkhand)

Head Office : Children Convent, Indrapuri - 2, Ratu Road, Ranchi - 834005
Mobile No. : 9431380908, 9669418800, 07748005555
E-mail : jaipuriar58@rediffmail.com

Head Office : Testing of Lifting Tackles / Tools / Cranes & Building Stability (U/S 3A)
Under Factories Act 1948

SHEKHER JAIPURIAR
Competent Person

KUMAR UJJWAL
Competent Person

Ref. No. NIST/IP/10/01/2018 Date 30/04/2018

M/S JAI PRABHU JI IRON & STEEL PVT.LTD.

AT-C-21-24 KANDRA INDUSTRIAL AREA

P.O- GOVINDPUR DIST-DHANBAD

(JHARKHAND)

INSIDE & OUTSIDE

DISASTER PLAN

2018

SHEKHER JAIPURIAR
DIRECTOR
NEXGEN INDUSTRIAL SAFETY TESTING
COMPETENT PERSON

BY

NEXGEN INDUSTRIAL SAFETY TESTING

Office : Flat No. 202, Kaveri-1, Trivenipuram, Dumardaga, Booty More, Ranchi - 835217

M/S JAI PRABHU JI IRON & STEEL PVT.LTD.

AT- C-21-24 KANDRA INDUSTRIAL AREA,

P.O-GOVINDPUR DIST-DHANBAD (JHARKHAND)

INSIDE & OUTSIDE DISASTER PLAN

SHEKHER JAIPURIAR
DIRECTOR
NEXGEN INDUSTRIAL SAFETY TESTING
COMPETENT PERSON

30/04/2018

SHEKHER JAIPURIAR
COMPETENT PERSON

FORWARD

INSIDE & OUTSIDE DISASTER PLAN is a documented planning to tackle and mitigate any catastrophic or hazardous situation creating disaster like situation in a plant or factory. In addition to ensure safety to the extent possible, the document also takes care of the provisions and requirements of following Acts/Rule.

1. The Factories Act — 1948
2. Bihar Factories Rules — 1950
3. Factories Act (Amendment) — 1987
4. Hazardous Wastes (Management & Handling) Rules — 1989
5. Environment (Protection) Rules - 1986

The support extended by the Director as well as the Officers in the preparation of this document is well appreciated.

It is felt strongly that this document shall go a long way to improve the preparedness for any disaster in the Factory.

SHEKHER JAIPURIAR
COMPETENT PERSON

INDEX

1. Introduction
2. Safety
3. Medical Aid and services
4. Salvage and fire fighting
5. Disaster management
6. Major risk occurrence
7. Public awareness system
8. ANNEX: INDEX

ANNEXURE -I

ANNEXURE -II

RECOMMENDED WITH THE CONDITIONS MENTIONED IN THIS OFFICE LETTER, No. 709 DATED 28.05.2018

Chief Inspector of Factories, Jharkhand
Ranchi

M/s JAI PRABHU JI IRON & STEEL PVT.LTD. Engaged in the Production of M.S. INGOTS. The factory is in KANDRA INDUSTRIAL AREA, GOVINDPUR, DHANBAD (JHARKHAND)

B- The factory has been established in the year of 2004

C- : The effect of any major accident that might occur naturally or physically can be minimized by putting into effect disaster plan. Disaster planning is just one means or ensuring surety or natural climates. It can be consider in isolation and its proper place is also to back-up the preventive measures which can be summarized as follows:

(i) To ensure that the plant and storage vessels and designed and installed to a good standard and in a location where hazardous are unlikely to arise from other plant or building nearby.

(ii) To ensure that proper work routings and effective maintenance procedures are set up.

(iii) To assess, what could still happen to cause an disaster situation further preventing may still be possible.

(iv) To asses, what damages could arise to the people both on side and off side as result of these foreseeable and these could be mitigate by planned remedial and rescue measure.

D- Information, in details, regarding any disaster which might have occurred in this factory in the past. This information should be given in the Table 1(ANNEXURE II).

E- The main objective of the plan are to take immediate actions to meet any emergent situation making maximum use of the combined in—

(i) Plant and allied resources for the most effective, speedy and efficient rescue and relief operations. Those are briefly enumerated below.

(ii) To cordon and isolate the affected area for smooth rescue operation.

(iii)It will also show in true sense the awareness of management towards the safety of the personnel, properties as well as environment.

(iv) The plant will also provide the quick relief and rehabilitation.

(v) To rescue and treat casualties and safe guard the rest.

(vi) To identify any dead and provide for the needs of the relatives.

(vii) To provide necessary information to statuary agencies.

(viii) To provide information to the new media.

B-3: HOUSEKEEPING:

It is good to notice continuous improvement in house keeping. In factory housekeeping does not only mean cleanliness, but a place for everything and everything in its place. Cleaning and house keeping tasks are unpopular with workers because they are considered menial and with management who often consider them to be unproductive. It is well known fact that poor housekeeping is a major factor in accident causation leading to human injury and loss to productivity. Therefore, continuous effort of the management should be applied to make housekeeping good. Good housekeeping also demands knowledge, cooperation and participation for the employees. Hence, the need for training and instructing employees and motivating them to follow good practices is also necessary.

All workplaces, machinery/plants/equipments and ways were found in neat and clean condition and nowhere was found any untidiness. There are provided easy means of access to all part of the plant and floors, platforms, stairways and passageways and gangways are kept free from obstructions.

There is a system made for housekeeping to be good and effective. Every Saturday from 11 AM to 12 Noon team of senior officers visit various locations of the plant to check the cleanliness and see that everything is on its place.

B-4: STORAGE:

A. Diesel is used for generating hot water in the HOT WATER GENERATORS installed in the factory and also for running the DG-Set for which it is kept stored also. The auto —ignition temp (b) explosive.Limits and (c) flash — points of the substances are: (a) 256.6°C; (b) 0.7 to 5% by volume, and (c) 22°C to 96°C respectively.

(i) Petroleum products including the Diesel are hazardous when the properties of vapor and air are in explosive range. A source of ignition such as a match, electrical spark, a spark from steel from steel of lint, a which is undertaken with a view to suggest improvement and up gradation.

(ii) Safety Audit is a useful technique to test the effectiveness of the company's safety program. It keeps the operating personal alert to process hazards, reviews operating procedure of necessary revision, seeks to identify hazardous equipment or process changes.

(iii) Safety Audit means systematic critical examination of an industrial operation to identify potential hazards and level of risks.

(iv) Safety Audit is an important tool intended to assist management in its basic aim to achieve a highly efficient and profitable operation.

B. It is also suggested that the person in charge of transfer, operation shall ensure that transfer, operation and stopped in the event of :

a) Any leakage observed.

b) A fire occurring in a vicinity.

- It was told that necessary instruction have been given in regard. The suggestion regarding lifting machines, lifting tackles and pressure vessel/compressors in the earlier audits are being complied.

C. The board objective is to critically evaluate the safety program, particularly the system, to identify and control the hazards and check the audit does not comply with minimum statutory standards but also it meet the standard code of practice.

The specific objectives are:

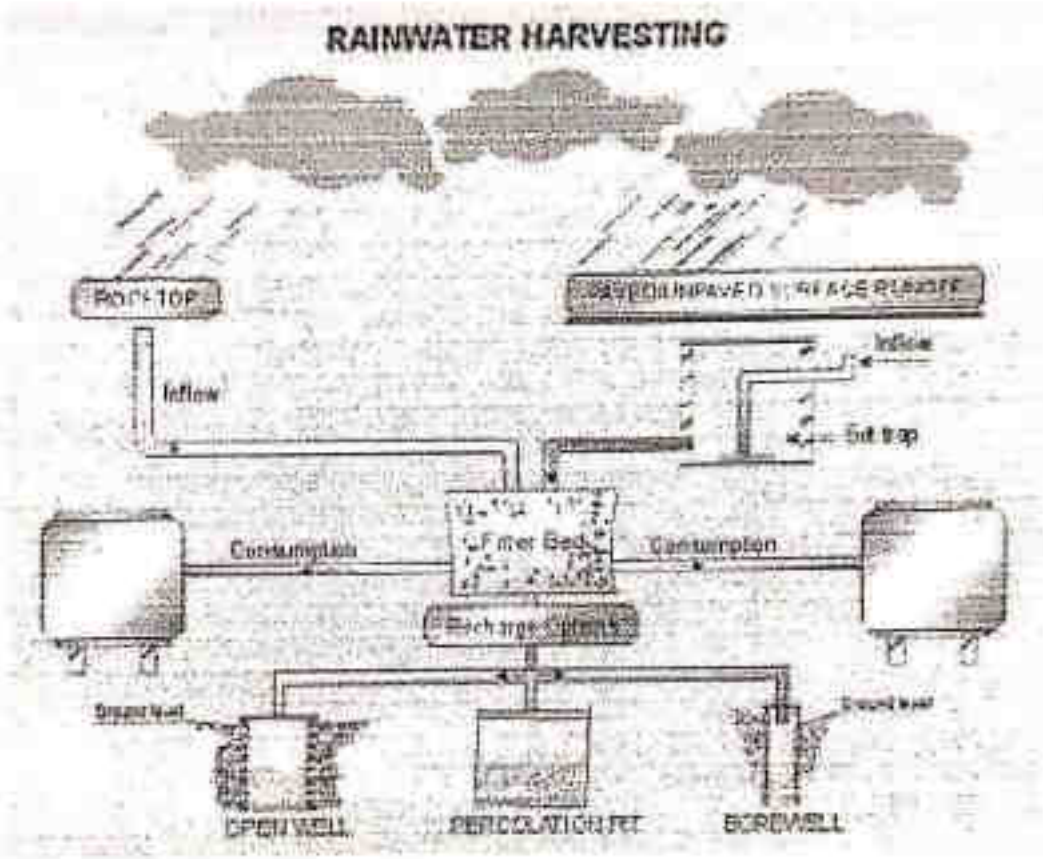
- To see the operation/ maintenance is carried out and check that there are normal practices.

- To rectify and bring forth any design or process deficiency which has come up during expansion, modification or the course of time.
- To specify the area of high risks and recommended then for more detail risk analysis studies.
- To check the plant personal on safety and loss prevention.
- To look into waste management and environment control.
- To expose overall conditions of the plant.

13-5: RAINWATER HARVESTING:

Rainwater harvesting is the accumulation and deposition or rainwater for reuse before it reaches the aquifer. Uses include water for garden, water for livestock, water for irrigation, and indoor heating for houses etc. In many places the water collected is just redirected to a deep pit with percolation. The harvested water can be used as drinking water as well as for storage and other purpose. It provides an independent water supply during regional water restrictions and in developed countries is often used to supplement the main supply. It provides water when there is a drought, can help mitigate flooding of low - lying areas, and reduces

demand on wells which may enable ground water levels to be sustained. It also helps in the availability of potable water as rainwater is substantiality free of salinity and other salts.



Quality:

The concentration of contaminants is reduced significantly by diverting the initial flow of run-off water to waste. Improved water quality can also be obtained by using a floating draw-off mechanism (rather than from the base of the tank) and by using a series of tanks, with draw from the last in series. The stored rainwater may need to be analyzed properly before use in a way appropriate to ensure its safe use. The quality of

collected rainwater is generally better than that of surface water. Contamination is always possible by airborne dust and mists, bird feces, and other debris, so some treatment may be necessary, depending on how the water will be used.

System setup:

Rainwater harvesting systems can be installed with minimal skills. The system should be sized to meet the water demand throughout the dry season since it must be big enough to support daily water consumption. Specifically, the rainfall capturing area such as a building roof must be large enough to maintain adequate flow. The water storage tank size should be large enough to contain the captured water.

Rain water harvesting is possible by growing fresh water flooded forests without losing the income from the used / submerged land. The main purpose of the rain water harvesting is to utilize the locally available rain water to meet water requirements throughout the year without the need of huge capital expenditure. This would facilitate availability of uncontaminated water for domestic, industrial and irrigation needs.

New approaches:

Instead of using the roof for catchments, the Rain Saucer, which looks like an upside down umbrella, collects rain straight from the sky. This decreases the potential for contamination and makes potable water for developing countries a potential application. Other applications of this free standing rainwater collection approach are sustainable gardening and small plot farming.

Rainwater harvesting was done in the Indian states of Madhya Pradesh, Maharashtra, and Chhattisgarh in the olden days. Ratanpur, in the state of Chhattisgairh, had around 150 ponds. Most of the tanks or ponds were utilized in agriculture works.

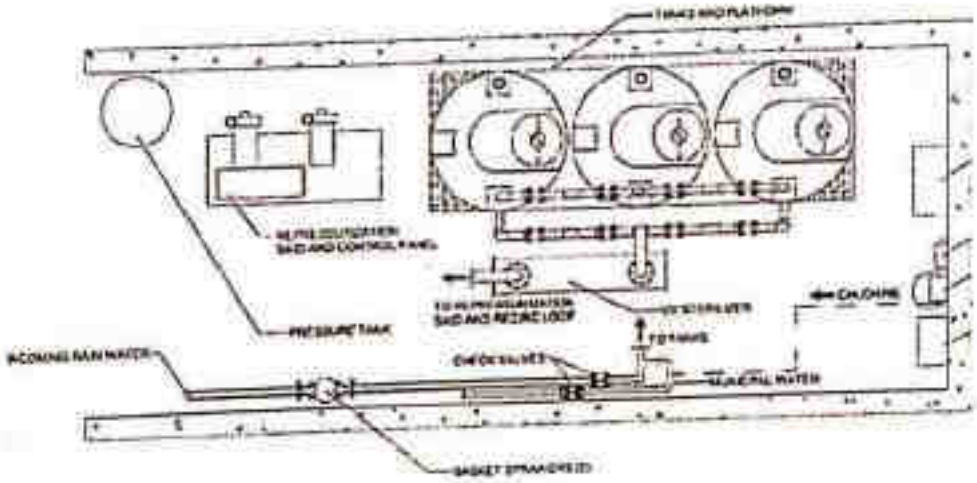
- In the state of Tamil Nadu, rainwater harvesting was made compulsory for every building to avoid ground water depletion. It proved excellent results within five years, and every states took it as role model. Since its implementation, Chennai saw a 50 percent rise in water level in five years and the water quality significantly improved.

- In Rajasthan, rainwater harvesting has traditionally been practiced by the people of the Thar Desert. There are many ancient water harvesting systems in Rajasthan, which have now been revived

Water harvesting systems are widely used in other areas of Rajasthan as well, for example the chukka system from the Jaipur district.

- At present, in Pune (in Maharashtra), rainwater harvesting is compulsory for any new society to be registered.

• An attempt has been made at Dept. of Chemical Engineering, HSc, Bangalore to harvest rainwater using upper surface of a solar still, which was used for water distillation



HARVESTED WATER STORAGE:

Storage of the rainwater is determined by the demand and uses for the water, available rainwater and groundwater volume and frequency, and space to locate the tanks.

APPLYING HARVESTED WATER:

A depressurization system is required to move the rainwater to toilets throughout the building. Typically, the system includes duplex pumps in tandem with each pump alternating in operation. It is important to properly size the pumps so that adequate pressure and volume is available at the farthest — and highest altitude — end point in the system.

H-6: TRANSPORTATION:

Following vehicles are available with the plant for transport on ownership or contract basis

Hired vehicles can also be arranged within a short notice in case of any disaster.

B-7: (A) (i) Safety Audit is an important and useful technique for industrial managements whereby they can obtain a systematic critical appraisal of the effectiveness of a company's safety programmed which is undertaken with a view to suggest improvement and up gradation.

(ii) Safety Audit is a useful technique to test the effectiveness of a company's satiety program. It keeps me operating personal alert to

process hazards, reviews operating procedure for necessary revision, seeks to identify hazardous equipments or process changes.

(iii) Safety Audit means a systematic critical examination of an Industrial operation to identify potential hazards and level of risks.

(iv) Safety Audit is an important tool intended to assist management in its basic aim to achieve a highly efficient and profitable operation.

(B) It is also suggested that the person in charge of transfer, Operation shall ensure that transfer, operation are stopped In the event of:

a) Any leakage observed

b) A fire occurring in the vicinity

It was told that necessary instruction have been given in regard.

The suggestions regarding lilting machines, lilting tackles and pressure vessels/compressors in the earlier audits are being complied.

H-S : (A) The board objective is to critically evaluate the satety program, Particularly the system, to identify and control the hazards and

Check that audit does not comply with minimum statutory standards but also it meets the standard code of practice.

The specific objectives are:

* To see the operation / maintenance is carried out and check that there are normal practices.

* To rectify and bring forth any design or process deficiency which has come up during expansion, modification or the course of time.

* To specify the area of high risks and recommend them for more detail risk analysis studies.

* To check the plant personnel for security training, fire fighting and management of the plant emergencies.

*To see whether the organization meets the statutory rules and regulations of the Government or not.

*To educate plant personnel on safety and loss prevention.

*To look into waste management and environment control.

*To expose overall conditions of the plant.

(B) SAFETY COMMITTEE:

Safety committee plays a very important role in implementing the safety and loss prevention program of a company. Workers participation is very significant in the sanity committee. The management have formed safety committee consisting of equal number of representative of workers and management. It snoring be ensured that safety committee meets as often as necessary but at least once in very quarter. It was reported that sanity committee meets quarterly. The tenure of the safety committee should not exceed two years and the workers representative of the committee be elected by the workers.

Safety committee plays a very important role and is one of the most management's safety functions. Most of the safety activities and workers complaints and suggestions are implemented through this committee.

FUNCTIONS & DUTIES OF SAFETY COMMITTEE:

- Promoting co-operation between the workers and the management in maintaining proper safety and health at work and reviewing periodically the measures in this regard.
- Creating safety awareness amongst all workers and under taking educational training and promotional activities.
- Carrying out health and safety surveys and identifying the causes of accident.
- Looking into the complaints made on the likely hood of an eminent danger.
- Reviewing the implementations of the recommendations made by it.

(C) : It was informed that inspections being done on regular basis, checklist being reviewed for all work areas and corrective action developed on the basis of the findings of the inspections are implemented and monitored.

Besides regular inspection some necessary inspections are to be carried to meet the statutory requirements (e.g. inspection/examination

of pressure vessels, lifting machines, lifting tackle, etc.) These inspection are carried out as specified in statutes. Inspection also helps the safety management program in many other ways:

- Regular inspection carried out in plant cannot escape the notice of workmen. This in effect, is an indirect way of demonstrating the managements interest in me safety and welfare of employees and thus contributes to better plant relations.

- Safety inspection brings to light areas where waste can decreased, processes can be improved and productivity increased. This results in better management of resource.

- Safety inspection results in contact with the employees and discussions with them on their difficulties in ensuring safety. Apart from the fact that this will bring forth useful suggestions for employees; such contacts automatically results in better understanding and mutual help which leads to all round success of the safety program.

3. Medical Aid and services: c (1- 4)

C-1: (A) in view of the number of workers employed in the factory a whole — time Medical Officer is not required to be employed statutorily in the factory. However 7(seven) Nos. FIRST-AID-BOXES are maintained, and company. They contain all the medicines and the contents as prescribed under Rule 4 (c) of the Jharkhand Factories Rules. Vehicle is also to teat and carry the injured persons respectively to the hospital have been provided. The company have made arrangements with the local hospital (Gobindpur Government Hospital,) at 4 KMS. FIRST AID BOXES, is kept in the office of the factory. They contain all the medicines and the contents as prescribed under Rule 64(c) of the Jharkhand Factories Rules.

(B) In addition to the services mentioned above, a room having good ventilation, plenty of light (both natural and artificial) conveniently located in respect of the plants of the factory and close to the entrance of the factory with ruining water and toilet close-by (First-Aid Room) with the following equipment shall be provided: -

(a) Stretches	1 Nos.
(b) Blankets:	1 Nos.

(c) Moveable Curtains

(C) In the factory, a room been earmarked known as FIRST - AID-POST. The following medicines are also available.

i) Medicine — for treatment of common ointment.

ii) Surgical — Sterilized dressing materials antiseptic lotions.

iii) Burns — Lotions & ointments for burn injuries.

D. As stated by the management. 4 (FOUR) persons is trained in giving First-Aid.

Sl. No.	Name of the Staff
1.	SRI SINGHASHAN SINGH
2.	SRI RIZWAN AFTAB

(E) Employees are the assets of the company. Special care and more attention is therefore, paid to their health and safety. Medical check-up of the employees is performed by the company doctors engaged by the company. A first-aid kit is always kept in readiness in the plant control room. Services of Mr. SINGHASHAN SINGH is taken for indoor medical treatment of employees.

C-2: (Al Following medical facilities are available near the plant whose services can be utilized as per requirements:

Sl. No.	NAME (Public Hospitals, Nursing Home)	Location	Distance
1	ASRAFI HOSPITAL	BARAMURI	8KMS
2.	OM SAI HOSPITAL	GOVINDPUR	5 KMS

C-3: In case of disaster medical facilities are available in near vicinity. Vehicle are available with the plant for Disaster on ownership or contract basis.

Hired vehicles can also be arranged within a short notice in case of any disaster.

C-4: Evacuation, rescue and medical relief to the affected people will be initiated and continued in the affected area with the help of local police and nearby industries till the control of situation is taken over by the district magistrate or his representative.

4. Salvage and fire fighting: D(1-5)

D-1: Discussed with Mr. SINGHASHAN SINGH who have ultimate control over the entire fire fighting arrangement in the plant. At stated by them SIX (10) Nos. of Fire extinguishers are available in the plant.

D-2: The Company is maintaining close liaison with nearby industries and there are fighting services. In case of any emergencies arising out of adverse situation, the fire-fighting services as aforesaid can be obtained on request to tilde the situation.

D-3 Sufficient water is always available for meeting the fire hazard. Water stored should not be used for any other purpose except for tire fighting. Although one(1 Nos. of persons are trained in the fire fighting equipments but in addition to that they should also be trained in handling / using compressed air breathing Apparatus (CABA) when expose to dense smoke as a result 01 Fire Fighting Arrangement. Portable fire extinguishers for class ABCD type and sand bucket type fire extinguishers have been installed in the plant for use as first aid measure to fight five at incipient stage. Water supply points have been provided at different locations. These water supply points are having the provision of fitting hoses for fire fighting operation. Continuous supply

of water is maintained in the system. Mock-drill is performed at an interval of 3 months to check the readiness for disaster.

As stated by the management 4(FOUR) persons is trained for the fire fighting.

Sl. No.	Name of the Staff
1.	SRI SINGHASHAN SINGH
2.	SRI RIZWAN AFTAB

D-4: OTHER ARRANGEMENTS OUTSIDE THE FACTORY

Following Fire fighting arrangements are available near the plant whose services can be utilized as per requirements:

Sl. No	NAME (Govt. Fire Station, Fire- fighting squads)	Location	Distance
1.	Fire station	GOLF GROUND HIRAPUR	15 KM

5. Disaster management E (I-3)

E:(A) The plan of co-ordination :- Communication includes physical and administration means by which plant operator can rapidly notify plant management and outside disaster response agencies and the public. The also include disaster response which must be taken to protect health and safety or the plant personnel and the public, without adequate communication successful disaster planning can not be exercised.

(i) The communications system between the factory and local authority i.e. local administrations police health authority fire stations factories in the vicinity etc. should always function day-night.

(ii) There will be unified sources of Liaison for dealing with outside agency to avoid confusion at any stage at the time of disaster.

(iii) The management will provide advice to all the outside Organizations which become involved in handling the outside disaster and which will need previously to familiarize themselves with some of the technical aspects of the works activities e.g. Disaster services medical assistance and also water work authorities.

Disaster / Emergency Planning Committee: - It is expected that the Chairmen of the DISASTER CO-ORDINATION COMMITTEE will

co-ordinate planning with the disaster services. The committee will be consisting of members from Police Health Services, Fire Brigades Factory Inspectorates, Pollution Control Board, representative From industries Identified having an Outside consequences. The factory M/s JAI PRABHU JI IRON & STEEL PVT.LTD. will keep the Committee informed about the available resources equipment and facilities including me assistance that may be available from the local nursing homes, hospitals, fire stations maintained that should be provided to meet emergencies.

(B): Appointment of key personnel to tackle the situation during disaster, following person will hold key position and command the activities of different services in close co-ordination.

i) Chief Controller

ii) Words incident controller

iii) Works main controller

iv) Other key personnel's (senior managers etc)

v) Essential workers:-

vi) Non-essential workers:-

In case of an disaster, works incident controller, works main controller and the safety personnel may wear some distinctly colored dresses, helmets etc to facilitate recognition even form a distance. Since at the times 01 a disaster such confusions likely to be created, it may e essential to develop an attitude of confidence and control among workers by way of guidance and active leadership- through a senior and experienced person of the factory.

RESPONSIBILITIES & DUTIES OF THE CHIEF CONTROLLER:

The Officer on special duty of the Factory shall be the chief Controller. Till such time he takes over the lull control the all the actions, till the MD arrives at the scene/site shall be managed by the Site Controller. When the MD is present or when he arrives at the site, all major decision shall be taken him in consultation with the site Controller. The role of the chief controller and the Site Controller are identical and complementary. The chief Controller shall also reallocated? & fix responsibility as per need.

Person (s) supported to be present during onset of the disaster are those who are directly in charge of production. Such personnel are trained to take charge of the disaster inside until the Manager (Prod.) or his nominated deputy who shall be the INCIDENT CONTROLLER and are responsible for implementing the disaster plan.

When an disaster arises, the Inside Incident Controller shall be alerted and based on the available evidence wilt assess the scale of the incident and decide whether a major disaster exists or is lithely to take shape. If an disaster exists, the Incident Controller will activate the Inside Plan. The I. C. shall take appropriate steps to minimize the escalation namely by isolating the location from sources of the electrical, heat or fuel disaster and human movement. The next step depending upon the serous ness, shall be to inform the following:-

(i) Doctor on duty & first aiders.

(ii) Fire Service

till) Chief Controller

Depending upon the nature of disaster, the Site controller shall ensure that the following are informed/ notified as appropriate;

(i) Nearest Fire Services

(ii) Ambulance

(iii) Local Authorities

(iv) Police

(v) Factory Inspector

RESPONSIBILITIES & DUTIES OF THE WORKS INCIDENT CONTROLLER

As soon as he aware of the disaster and its locations, the works Incident controller will proceed to the scene and on arrival he will.

1. Assess the scale of disaster and decide if a major disaster situation exists or is likely. On this decision he will activate the subsequent major disaster procedure.

2. Direct all operations within the affected area with the blowing priorities:

- secure the safety personnel;
- Minimize damage to plant, property and the environment;
- Minimize loss of material

3. Direct rescue and fire fighting operations until the arrival of the outside fire brigade, when he will relinquish control to the senior officer of the brigade.

4. Ensure that the affected area is searched for unattended casualties.

5. Ensure that all non-essential workers in the affected area evacuate to the appropriate assembly point.

6. Set-up a communications point and establish Ramo /Telephone/ Messenger contact (as appropriately with the disaster control centre.

7. Pending the arrival of the works main controller, assume the duties 01 the post and, in particular:

   - Direct the shutting down and evacuation of plant and areas likely to be endangered by the disaster;
   - Ensure that the outside disaster services have been called in;

- Ensure that key personnel have been called in.

8. Report a significant development to the works main controller.

9. Provide advice and information, as required, to the senior officer of the Fire Brigade.

10. Have regard to the need to preserve evidence that would facilitate any subsequent enquiry into the cause and circumstances of the disaster.

RESPONSIBILITIES & DUTIES OF THE WORKS MAIN CONTROLLER

As soon as he aware of the disaster the works main controller will proceed to the disaster control centre on arrival ne win.

1 Relieve the works incident controller of responsibility for overall control.

2 On declaration of a major disaster, ensure that the outside disaster services are called in and, where required, that nearby firms are informed.

3 Ensure that key personnel are called in.

4 Exercise direct operational control of those parts of the works outside the nitectel area.

5 Maintain a speculative continuous review of possible developments and assess these to determine mot probable course of events.

6 Direct the shutting down and evacuation of plants In consultation with the works incident controller and key personnel.

7 Ensure that casualties are receiving adequate attention. Arrange for additional help, if required. Ensure that relatives are advised.

8 Liaise with Chief Officers of the Fire & Police Services and with the experts on fire, safety, health etc. provide advice on possible effects on areas outside the works.

9 Ensure the accounting for personnel.

10 Control traffic movement within the works.

11 Arrange for a chronological record of the disaster to be maintained -

12 Where the disaster is prolonged, arrange for the relief o personnel and the provisions of catering facilities.

13 In the case of prolonged emergencies- involving risk to outside areas by wind blown materials — contact the local meteorological office to receive early notification of impending changes in weather conditions.

14 Issue authorized statements to the news media. Where appropriate, inform head office.

15 Ensure that proper consideration is given to the preservation o' evidence.

16 Control rehabilitation of affected areas on cessation of the disaster.

DUTIES OF ESSENTIAL WORKERS

These duties may include:

1. Extra first-alders to deal with casualties.

2. Disaster engineering work, e.g. the provision of extra of replacement lighting, isolating equipment, providing temporary by-pass lines.

3. Transporting equipment to the incident from other parts of the works.

4. Moving tankers or other vehicles from areas of risk.

Carrying out atmospheric tests:-

a. Acting as runners in cases of communication difficulties.

b. Manning of works entrances in liaison with the police, to direct disaster vehicle entering the works, to control traffic leaving the worker and the turn away of make alternative arrangements for visitors and other traffic arriving at the works.

c. Manning of assemble points to record the arrival of evacuated personnel.

d. Assistance at casualty reception areas to record details of casualties.

e. Assistance at communication center to handle out-going and in-coming calls and to act as messengers, if necessary.

f. Conducting of visitors and contractors to a place of safety.

DUTIES OF NON -ESSENTIAL WORKERS

In affected and vulnerable plants, all non-essential workers should evacuate the area and report to a specified assembly point. The need to evacuate non-essential workers from plants and areas not immediately affected will be determined by the size of works and the foreseeable rate at which the incident may escalate.

E-2: (A) DISASTER CONTROL CENTRE:

The disaster control centre is the place from which the operations to handle the disaster are directed and coordinated, An disaster control centre should be established and equipped with adequate means of communications to several locations inside and outside the works together with relevant data and equipments which will assist those manning the centre to e conversant with the developments in situation and enable them to plan accordingly. The disaster control center should be manned by the Woks Main Controller, the key personnel, and the senior officers of the outside services. Other personnel need not have access to the control centre.

Disaster control centre should be sited in an area of minimum risk, so far as this is possible, and close to a main road to allow for ready access by a radio equipped vehicle for use if other systems fail or extra-communication facilities are needed. An alternative centre, similarly equipped, should be available at different location. If necessary, the police will assist in setting-up an Disaster Control Centre, remote from the works.

Such Disaster Control Centre of disaster could be the Fire Station or Security Room or some other convenient place. It should contain:

1. An adequate number of external and internal telephones. It is strongly recommended that some 01. These be ex-directory or capable of use for transmitting calls only. This measure will avoid a situation where out-going calls cannot be made due to the telephone switchboard being overloaded with calls from anxious relatives & press etc., Radio equipment, loud speakers, etc., Plan or plans of the works to illustrate:

2. Areas with large inventories of hazardous materials e.g. Tanks, reactors, drums and storage places where a number of compressed gas cylinders and stored.

- Locations of radio active sources, if any.

- Sources 01 safety equipments.
- Fire hydrant system and alternate supply sources.
- Stock 01 other lire lighting materials.
- Works entrance and round system, updated at the time of disaster to indicate any road which is impassable.
- Assemble points, casualty treatment centre.
- Location of the works in relation to surrounding community.
- Assembly points, first-aid centre / casualty treatment centre.

2. Additional works plans on which may be illustrated, during the disaster:

a. Areas affected / endangered.

b. Deployment of disaster vehicle and personnel.

c. Areas where particular problems arise, e.g. fractured pipelines.

d. Areas evacuated.

e. Other relevant Information:-If would be useful if all these plans can be covered with plastic or glass sheets on which pen marling can be made or erased as required during disaster operations.

3. A few copies of the outside disaster plan.

4. Note pads, pens and pencils to record messages received and any instructions for delivery by runners.

6. Nominal rolls of employees.

7. Addresses of the employees.

8. List of key personnel, addresses and telephone numbers.

9. A tape recorder with battery and cassettes on which the incident occurred, actions being taken and progress could be recorded.

10. Roll call boards listing the names of all persons department - wise and shift — wise which should be placed in the allocated places called assembly points. AU personnel including visitors and contractors men, except those who are detailed to fight disaster or such services, shall proceed to such allocated points as soon as an evacuation is ordered over public address system or orally by the section in-charge and roll call taken. Section in-charges should see that these boards are always kept

up to date. The assembly point in-charge shall report to control centre immediately any absentee unaccounted for persons. He will also keep the group until advised to move or return to work by the main controller or any other person predominated by him.

11. Torches, explosimeters, some extra sets o personnel protective equipments, artificial respirators, gas masks etc.

j: Action Inside:

(i) Making disaster known to key personnel, concerned persons and agencies: - Once disaster is declared, all the key personnel will rush to the disaster control room except senior controller and incident controller who should be available in their respective units/plants /sections for the action to be taken to meet the disaster and coordinate activities in consultation with chief commanding officer concerned.

As soon as the disaster control room will be manned by an officer nominated by the chief controller whose function shall be —

1. To be responsible for operation of disaster control room and dispatch of massages.

2. To decide on the priority of dispatch of massages.

3. to liaison with all activities and keep upto date and accurate information of the situation.

(ii) Evacuation: - At list four person from the dully formed rescue team explained in the action Plan shall be trained for removing victims from the debris of the allocated area to a safer area where medical assistance can be administered and if need be the victims can be easily transported to the nearest hospital. These persons should be trained in first aid technique. The unit should keep at least 2 stretchers available and the above person should also be trained to prepare disaster stretchers.

The unit plans to procure a heavy duty mobile crane to be used for removing debris to rescue victims and till such time local authorities and the others sector shall be requested to assist under predetermined mutual aid program.

(iii) Rehabilitations: - A situation may arise in which some affected and dazed persons are required to be shifted to a safer place. Such persons may or may not be injured physically. Such a place shall be devoid from hazards impacts and shall have facility for clean drinking water and other normal facilities.

(iv) : Supply services In charge of purchase and stores would be commanding officer of this service. He will act under the control and guidance of chief commanding officer, i.e. project officer.

His function shall be

1. Planning, organizing and procuring necessary materials and equipment.

2. Storage of materials and equipment at accessible location for quick distribution on demand.

3. Obtaining requirements of materials and equipment from commanding officers of various services.

4. Arrange issue and transport of equipment and materials to disaster services to meet their requirements.

(V) Welfare services following arrangement under the control and guidance of project officer shall be made:

1. Provide shelter to affected persons.

2. Arrange stock of essential commodities.

3. Arrange clothing and medicine for the affected person. Arrange drinking water if the supply is disrupted.

(C) : Action Outside:- The outside disaster plan is a logical and computable extension of the outside disaster plan. It is dealt with those incidents which have the potential to harm persons or the environment outside the boundary of the premises. Occupier of the factory will provide sufficient information to enable the local authority to formulate the Outside plan also covers the actions outside the works. The roles of various agencies who may be involved in the implementation of an off side plan or give below:

i) Outside plan will developed by the District Local Authority. There will be existence of an excellent Communications system between the factory and local authority.

ii) The communications system between the factory and local authority i.e. local administrations police health authority fire stations factories in the vicinity etc should always function day-night.

iii) There will be unified sources of Liaison for dealing with outside agency to avoid confusion at any stage at the time of disaster.

iv) The management will provide advice to all the outside Organizations which become involved in handling the outside disaster and which will need previously to formularies themselves with some of the technical aspects of the works activities e.g. disaster services medical assistance and also water work authorities.

(D): Procedures for testing and updating the Plan.

Simulated disaster preparedness exercises and mock fire fighting exercises in collaboration with external agencies including mutual-aid scheme resources and in consultation with district disaster authority.

The procedures of informing the commencement and the termination of disaster to the workers and the outside population using siren and public address system the siren should be sounded in the tones or mile rent styles to indicate the commencement and termination of an disaster, and to clarify its purpose :-

Role of the Civic Authorities (Administration, Police etc.), Civil Defiance, Fire Brigade, Doctors, Hospital Authorities, Experts, Transport Facilities — Roadways , Railways, neighboring factories,

shelter centre, local offices of pollution control Board, Explosive department and Directorate of Factories etc.

All these actions should be given in a well conceived and organized sequence.

(E): Hazard prevention and disaster planning tor harboring area outside the plant boundary is combined responsibility of the plant management and local administration. However, prime responsibility of incidental hazard rests on the management of the industries.

In spite of efforts and measure taken to prevent the hazard, a serious or disaster like situation may arise which may effect the nearby community. In such a situation the help 01: the state government machinery is mot needed to contain and control the unwanted events. The district authority is in the commanding position to mobilize nearby resources of disaster service including those of state government.

Making plan in advance (by management and external Authorities / agencies)

(F): Roles and statutory duties or outside agencies for example Police department shall be required to carry out the following jobs

i) State government hospital and local nursing homes will be require to extend their medical facilities for the treatment of injured and affected persons.

ii) Vicinity around the factory would be alerted and disaster situation will be announced in the adjourning area.

iii) Traffic on roads will be warned of the situation and shall be diverted away from affected area.

iv) Evacuation, rescue and medical relief to the affected people will be initiated and continued in the affected area with the help of local police and nearby industries till the control of situation is taken over by the district magistrate or his representative.

v) Traffic control, provisions of alternate tartly, regulation of traffic within the area of responsibility

vi) Assisting the medical and evacuation teams to work without any hindrance and further help to the medical department in evacuating the casualties / vocations.

vii) Helping in evacuation of persons and domestic animals in the affected area.

viii) Preventing unauthorized entry of the personnel into the affected area. Role and statutory duties of other agencies should also be spelt out.

F-3: Rescue and Relief Operation Plan:

Rescue and relief operation plan should be formulated keeping in view all possible incidents, such as lire / explosion/release of toxic materials / spillage of hazardous materials / release of radio - active materials.

i. Raising the alarm.

ii. Declaring the major disaster.

iii. Making the known to:

- Those inside the works.
- The outside disaster services.
- Key personnel outside normal working hours
- To authorities or contact reasons of neighboring factories.

6. MAJOR RISK OCCURRENCE; F (L-2)

F-1: f A) INDENTIFICATION O HAZARDS:

The factory is fraught with mechanical accident hazards due to typical nature of the machinery / equipments installed there in the safe-guarding of the equipments has been complicated by the wide range of operations and operating conditions.

The most frequent of injuries are:-

Being struck by lying ashes.

Using material handling equipments improperly.

Being burned by hot scale.

Bursting of pressure vessels / Air tanks etc.

However, there are several mechanical hazards on accounts of unsafe acts / Conditions apart from those described above, but the accidents/ incidents arising of the mechanical hazards would not give rise to an emergent situation.

Storage of Diesel oil and use there of may cause fire/explosion if it is not unloaded, stored and handled with great care. Fire/Explosion, it is occurs may cause an emergent situation.

(B) PRESSURE VESSELS:

Explosion in a pressure vessels may also cause an emergent situation and need preparedness and planning for emergencies. The cause maybe:-

Corrosion of the metal of the vessel to a point where it will not longer with stand working pressure.

Vibration of the vessel or its connected piping.

Faulty safety devices.

7. Public awareness system: 0(1-3)

U-1: Safety Awareness among workers:

(a) Details of training and re-training programs for the personnel of safety and tire departments & the workers.

These training programs should at least include the following:

1. Lectures
2. Seminars and workshop
3. Practical exercises
4. Distribution and practice of safety instructions
3. Safety quiz contest/ completions for individuals as also for groups

6. Display of the safety posters & safety slogans at a convenient and conspicuous places

7. Explanation of instructions (in the language easily understood by workers) about the possible hazards involved in handling of chemicals and methods to deal with such hazards falling which possible disaster situations are likely to arise.

8. Developing safety instructions for every job and ensuring practice of these instructions / booklets or manuals by the workers.

9. Making the workers known about the:

- Physical arid health hazards arising out form the exposure of handling of substances;
- Measures taken to ensure safety and control of physical and health hazards;
- Measures taken by workers to ensure safety handling, storage and transportation of hazardous substances;
- Meaning of various labels and markings used on the containers of hazardous substances;
- Use or personal protective equipments
- Sings and symptoms likely to be manifested on exposure of the hazardous substances and to whom to report;
- Measures to be taken in case or any spillage or leakage.

G-2: Public awareness and disclosure of information to public

(a) Methods to educate the public for facing any possible chemical disaster;

(b) Details of the factory's disaster warning system for the general public;

(c) General advice on the action as to what members of the public should take on hearing the warning;

(d) Details of the sources which can give further information to public;

(e) Methods of keeping the public informed by making the provision of preferably one person of factory to serve as liaison officer with the public;

(f) List of contact person and telephone numbers of radio and T.V. for use at short notice;

G-3: Public Awareness System

Many communities develop a formal public information procedure during an incident. This may include pamphlets, authoritative newspaper stories, periodic radio and TN. announcements, and instructive programs for school, inmates of hospitals, as well as for the dependent aged persons.

It is important to provide accurate information to the general public in order to prevent panic4 Some citizens simply want to know that is happening while other citizens may need to be prepared for possible evacuation or they may need to know as to what they could do immediately to protect themselves as well as others. As certain information will need to e communicated quickly, radio and 'Television will be much more important than newspaper in most cases of hazardous materials release. In less urgent cases however, newspaper articles do provide detailed information to enhance public understanding and clean-up. One person should be identified to serve as spokesperson. It is strongly recommended that the individual identified has training and experience in public information, community relations, and / or media relations. The spokesperson can identify of the media, the appropriate individuals who have specialized knowledge about the event and its consequences. The chain of command should, therefore, include this spokesperson. Other members of the response team should be instructed to direct all communication and public relations issues to this one person.

ANNEX - INDEX

Annexure —I

Annexure —II

Annexure -1

A-4 Table -1

Sl. No.		
Date		
Accident		
Place		
Cause		
Time when accident occurred		
Time consumed in controlling the situation		
No. of persons working on the spot at that time		
Total No. of Persons affected Pub-Inline Side the Factory		
Total No. of persons died Pub-In-lie Side the Factory		
Effected on the survivors	Immediate	
	Delayed	
Details of Safety arrangements done after the accident		

Annexure — II

CHEMICAL INFORMATIN SAFETY SHEET

(DIESEL OIL)

1. THE NAME OF THE SUBSTANCE

DIESEL OIL: GAS OIL
A COMPLEX mixture of
Hydrocarbons

2. THE PHYSICAL & CHEMICAL PROPERTIES AND OTHER CHARACTERISTICS

(a)	Sp. Gr.	:	0.8-0.91 (20^0C)
(b)	Vapor Density	:	3.0 - 5.0
(C)	Flash Point	:	22^0C to 96^0C
(d)	Explosive Limits	:	0.7 to 5% Vo by air
(e)	Auto ignition temp	:	256.6^0C

Oily liquid light brown color

Characteristics odors (about 0.1 ppm odors threshold)

Solubility (Water)

3. THE PHYSICAL HAZARDS OF THE SUBSTANCE

(A) HAZARDS

1. FIRE: Moderate when exposed to Heat or Flame, can reset with oxidizing materials Flash back may occur along the vapor trail

2. EXPLOSION: Moderate when exposed to heat or flame

4. THE HEALTH HAZARDS OF THE SUBSTANCES INCLUDING THE SIGN & SYMVFOMS.

(a) INHALATION : Dizziness, Headache

(b) INGESTION : Mausers, Vomiting, Irritation of mouth and Gastro intestinal tract may follow.

(C) ASPIRATION : Rapidly developing potentially fatal chemical pnemonotitis.

(d) SKIN & EYE CONTACT : Prolonged or repeated contact may remove natural fat from the Skin. Skin chapping or cracking or Dermatitis may be the result CASES Skin caner have also come to the notice.

5. THE PRIMAY ROUTE (S) OF ENTEY: As above

6. THE PERMISSIBLE LIMITS OF EXPOSURES AS PRESCRIBED UNDER THE SECOND SCHEDULE U/S 41-F OF THE FACTORIES ACT.

THRESHOLD LIMIT VLUE (TLV)

MAXM. ALLOWABLE CONCENT RATION = 5 MG/M3

7 ANY GENERAL CONTROL MEASURE FOR SAFE HANDLING:

(a) It is necessary that no open flame or heat

Should be brought near the storage and in course of handling and use of the substance oxidizing material to be kept away from the oil. Adequate ventilation is to be mentioned in the storage area.

(b) Extinguishing agents such as:

Foam

Carbon dioxide

Dry Chemical

Are to be maintained for fighting tire

(c) As regards health hazards, it is necessary to:

i) Maintain adequate ventilation to keep vapor concentration down.

ii) Prohibit aphonic by mouth

iii) Provide protective clothing to avoid skin contact.

iv) Adequate First — Aid arrangements and facilities to be maintained.

RECOMMENDED WITH THE CONDITIONS MENTIONED IN THE LETTER NO. 709 DATED 28.05.2018

28/5/2018

Chief Inspector of Factories, Jharkhand
Ranchi

Green-Belt Plantation

Rainwater Harvesting Structure

RWH & DG Set

Main Gate & ROAD

Stack Online Monitoring

Pollution Control Device

Plantation