SHAKAMBHARI GROUP

SHAKAMBHARI ISPAT & POWER LTD.

CIN: U27109WB2001PLC093869 | GSTIN: 19AADCM1189L1Z1 | PAN: AADCM1189L | LEI NO. 3358005MV4ZAHMEP1S72

Ref: -SIPL/SMC/MoEFCC/APRIL-2023 TO SEPT-2023 Date: 17.12.2023

To,
The Inspector General of Forest (IGF)
GOI, MoEF&CC,
Integrated Regional Office, Kolkata
IB-198, Salt Lake City, Sector-III, Kolkata – 700106

SUB: Six Monthly Compliance (April-2023 to Sept-2023) to Environmental Clearance conditions vide MoEF&CC F. No.: IA-J-11011/282/2021-IA-II(IND-I) dated 19.07.2023 and F. No. J-11011/201/2013-IA- II (I) Dated 21st December, 2016 and EC amendment dated 29th April, 2020 by M/s Shakambhari Ispat & Power Limited, Vill-Madandih, PO-Bartoria, Dist- Purulia (WB)-723121

Dear Sir/Madam,

With reference to above, we are submitting herewith the six-monthly compliance report (Period April-2023 to Sept-2023) of M/s Shakambhari Ispat & Power Limited, Vill-Madandih, PO-Bartoria. Dist- Purulia (WB) as per the directives of Ministry of Environment Forest and Climate Change, Government of India. Point wise compliance status report along with latest environment monitoring data is enclosed for your kind consideration.

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

Kindly acknowledge our submission.

Thanking you and with regards,

Yours faithfully,

For **Shakambhari Ispat & Power Limited**

Authorized Signatory 17/12/2023

Shakambhari Ispat & Power Ltd. MADANDIH PURULIA

Encl: as above

Copy to:
The Environmental Engineer, West Bengal Pollution Control Board, Asansol Regional Office, Kalyanpur Satelite Township Project, Dr. B.C. Roy Road, PO- Dakshin Dhadka, Asansol-713302 Dist.-Paschim Bardhaman (WB)

SHAKAMBHARI ISPAT & POWER LIMITED

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE

MoEF&CC. No.: IA-J-11011/282/2021-IA-II(IND-I) dated 19.07.2023

COMPLIANCE PERIOD:

APRIL-2023 to SEPTEMBER -2023

PROJECT LOCATION:

Village-Madandih, P.O.-Bartoria, Dist.-Purulia, West Bengal-723121

Name of the Project	:	**Shakambhari Ispat & Power Limited** Village-Madandih, PO-Bartoria Dist.–Purulia (WB)
Environmental Clearance F. No.	:	MoEF&CC. F. No: IA-J-11011/282/2021-IA-II(IND-I) dated 19.07.2023 and EC F. No. J-11011/201/2013-IA II (I) Date: 21.12.2016 and EC amendment dated 29.04.2020
Period of Compliance Report	:	April 2023 –September 2023

MoEF&CC. EC F. No: IA-J-11011/282/2021-IA-II(IND-I) dated 19.07.2023		
Sl. No.	**CONDITIONS**	**COMPLIANCE STATUS**
A- SPECIFIC CONDITION:		
i.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as applicable to this project.	Noted
ii.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	It shall be complied with. Shakambhari Ispat & Power Ltd. (SIPL) company is in the process of complying with the environmental protection measures and safeguards as per proposed in the documents submitted to the Ministry. The recommendations made in the EIA/EMP for environment management, risk mitigation measures relating to new project shall be implemented with implementation of new projects.
iii.	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	SIPL shall ensure to adapt best available technologies available in the market. Our efforts are/shall be to reduce the carbon foot print with best possible efforts and it shall be incorporated at initial stage of project implementation and discussions with technology providers. We shall ensure the dense afforestation and its proper maintenance as a major carbon sequestration resource. In the line of reducing the carbon foot print SIPL has purchased 07 nos. of battery driven cars. Company is also in the planning of installation solar panel for generation of renewable energy.

iv.	The total proposed project land shall be converted for industrial use prior to commencement of the project.	Noted
v.	Environment Sensitive Areas near the plant premises are village Madandih at 50 meters, Gopalganj Primary school at 0.70 km and Harmadih Rural Hospital at 0.58 km in East direction form the plant boundary (Ferro Division) within study area. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include these locations in its environmental monitoring programme.	As an environmental safeguard SIPL has already taken initiative of dense plantation to strengthen the green belt at boundary wall of the industry facing the village Madandih. Sheeting arrangement has also been made to as barrier against any dust emission from ferro division. Plantation in Rural hospital of Harmadih and Gopalganj Primary school. Village Madandih is the nearest location to the plant and ambient air quality of the being monitored periodically to evaluate the status. Latest Ambient air quality monitoring report is attached as **Annexure-1**
vi.	The total water requirement of 15,139 m3/day, shall be met from the DVC (13,735 m3/day) and recycled water (1,404 m3/day) after obtaining necessary permission from the Competent Authority. No ground water shall be abstrated. Efforts shall further be made to use maximum water from the rain water harvesting sources.	Noted. It shall be complied with. Company has made rain water harvesting pond as an alternative source of water, and it shall be utilized to reduce the water intake from DVC. No ground water being/shall be abstracted. Recycle and reuse practice has been adapted to utilize the waste water generated from industrial operations.
vii.	The project proponent shall strictly implement the mitigation measures proposed to minimise the PM10 values.	It is being complied. Ambient & fugitive emission monitoring reports are attached in **Annexure-1 & 2**
viii.	Three tier Green Belt shall be developed in at least 33% of the project area in the forthcoming monsoons of 2023 (as committed) with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards Madandih, Radhamadhabpur and Parvatpur Villages, Gopalganj Primary School and Harmadih Rural Hospital. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	SIPL is committed to comply with direction and already taken massive plantation drive in the monsoon season of 2023 to achieve the target of covering 33% of total project area by new plantation and by gap filling to comply with the target of 2500 per ha. tree density and we have planted 62,200 surviving plants of native species so far covering 24.45 ha. out of 26.76 ha. land envisaged for greenbelt development against total project land of 81.103 ha. and tree density of 2505 plants per hectare have been achieved. Remaining 2.31 ha. land shall be covered under green belt with implementation of facilities related to expansion project. Indigenous species i. e. Radhachura, Neem, Arjun, Spathodia, Banyan, Peepal, Bakul, Conocarpus, Kadam, Rain tree, Shishu, Sonajhuri, Siris, Pitanjiba, Ficus, Krishnachura Chaatim, Kanchan, Gamhar etc. have been planted. SIPL has already taken initiative to make shelter belt of by tree plantation with tall species for capable of bearing thick canopy to strengthen the green belt at boundary wall of the industry facing the village Madandih. Sheeting arrangement has also been made to as barrier

		against any dust emission from ferro division. Plantation in Rural hospital of Harmadih and Gopalganj Primary school.
ix.	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coalmines shall be created within the Unit.	SIPL has completed concreting of approx. more than 96% internal roads where heavy vehicle movements are exercised, and concreting of balance roads are under progress. The company has completed the paver blocking of around 95% of area where heavy vehicle movements are not envisaged. Along with paver blocking company has also done the concreting of many workplace areas of the plant. Some photographs are attached as **Annexure-3** Concretization of roads and paver blocking inside the plant in expansion project area shall be undertaken with implementation of expansion project. We have already purchased automated road sweeping machine and the same is operational. Parking area for the trucks within the unit has been provided. **Annexure-4.** Progressive measures have been taken to develop avenue plantation and green cover using indigenous species i. e. Radhachura, Neem, Arjun, Spathodia, Bat, Peepal, Bakul, Conocarpus, Kadam, Rain tree, shishu, Sonajhuri, Siris, Pitanjiba, Ficus, Krishnachura etc. along plant roads and plant periphery as well as inside the plant. photographs are attached as **Annexure-3**
x.	All the commitments made towards socio-economic development of the nearby villages including the commitments made during the previous EC shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 4.985Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.	The commitments made by SIPL related to socio economic development for the nearby villages including the commitments made during the previous EC has been implemented and progress report being submitted to Regional Office of MoEF&CC. SIPL has started the implementation of the action plan based on social impact assessment and social-economic development plan for the nearby village. Our Elegant Care Foundation playing significant role for implementation of the action plan. In the line of implantation company has constructed Public Bus Stand with shelter near Madandih village at SH-5. Construction of Sri Biranchidham Cultural Centre has been completed. For Women empowerment company has started various programs for their economic growth. Company has distributed the knitting machines for making cotton hand gloves etc. in local village of Madandih, Radhamadhabpur, Parvatpur, Erakusum, Gopalganj and Harmadih. A swing training centre has been started for the women at village Gopalganj Developmental village

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		pond at Erakushum has been started. Solar light installation in the in the village of Madandih, Erakusum, Khuwar, Radhamadhabpur, Harmadih has been initiated. Construction of bathing ghats at the village ponds has been initiated. Some photographs related to work done are attached as **Annexure-5**
xi.	As committed PP shall adopt three villages namely: Madandih, Radhamadhabpur and Parvatpur in East direction and prepare and implement a robust plan to develop them into model villages in next three years.	SIPL has started the developmental activities in the village proposed to be adapted and it shall be implanted with due priority. Company has dedicated CSR/IR team to after the welfare and developmental activities in the surrounding of the plant. Some photographs related to work done are attached as **Annexure-5**
xii.	The recommendations of the approved Site-Specific 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 to the concerned Regional Office of the MoEF&CC.	Wildlife conservation plant is yet to be approved from competent authority, it shall be implemented in consultation with State Forest Department and implantation report shall be submitted with six monthly compliance report to the Regional Office of the MoEF&CC.
xiii.	The ETP for Mini Blast Furnace effluent should be designed to meet Cyanide standard as notified by the MoEFCC.	Noted. It shall incorporate in consultation with technology provider for ETP at designing stage to meet with Cyanide standard as notified by the MoEFCC.
xiv.	The Standards issued by the Ministry vide G.S.R. No. 277(E) dated 31st March, 2012 regarding integrated iron and steel plant shall be followed. The Standards issued by the Ministry vide G.S.R. No. 277(E) dated 31st March, 2012 regarding integrated iron and steel plant shall be followed.	It is being followed.
B-	**GENERAL CONDITIOS:**	
I-	**Statutory compliance:**	
i.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Noted. After getting the Environmental Clearance SIPL has obtained the Consent to Establish (CTE) from West Bengal Pollution Control Board (WBPCB) and there after implantation of 1x1000TPD Rolling mills, 1x600TPD DRI Kiln and 2x9MVA SAF project have been started. On completion of these projects CTO from State Pollution Board shall be obtained. Copy of CTE & CTO are enclosed as **Annexure- 6**
ii.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted & agreed

II-	**Air quality monitoring and preservation**	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	SIPL have already installed continuous emission monitoring system in all process stack and it is connected with SPCB and CPCB servers. Continuous Ambient Air Quality Station (CAAQMS) system shall be installed with the implementation project and it will be connected with SPCB and CPCB server. Stack emission status and Ambient Air Quality Monitoring being done periodically through NABL accredited laboratory to evaluate status of stack emission & Ambient Air Quality. Latest stack monitoring report & ambient air quality monitoring report is enclosed as **Annexure-7 & 1**
ii.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 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.	Ambient Air Quality Monitoring being carried in consideration of maximum ground level concentration of PM10, PM2.5, SO_2, and NO_x. Latest Ambient Air Quality Monitoring report is enclosed as **Annexure-1**
iii.	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.	It is being complied and monitoring report has been attached as **Annexure-2.**
iv.	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.	In all process stack sampling facility are available for manual stack emission monitoring.
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Air pollution control devices viz. ESPs and bag filters along with dust extraction and suppression system have been installed and efficiently operated to control emission level well within the norms. It shall also be implanted with implementation projects. Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels. Latest stack monitoring report in enclosed as **Annexure-7.**
vi.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Being/shall be complied.

vii.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	SIPL have already the road swiping machine for plant road. Vacuum cleaner for shop floors cleaning has also been arranged.
viii.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	All raw material transportation vehicle being/shall be covered with tarpaulin while transportation raw materials to prevent any kind of spillage. Necessary instruction to the transporters has already been given in this regard.
ix.	Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	It is being/shall be complied. Iron fines being provided to pellet plant whereas coal fines being used in CPP. SIPL shall install the briquetting and sinter plant for recycling and reuse of fines generated from the project operations.
x.	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	Fume extraction system has been installed at SMS attached with spark arrester and bag filters connected with 30-meter stack height.
xi.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	SIPL has installed proper water spaying system for the control of dust emission from raw material stock piles. Wind shelter facility shall also be provided with implementation project.
xii.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	It is compiled and shall also be complied with upcoming project facilities.
xiii.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.	It is being/shall be complied with.
xiv.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	SIPL has already installed de-dusting systems like bag filters and ESPs for an effective control of dust emissions. Dust extraction system has been provided at the strategic points attached with bag filter units for intermediate bin, product house etc. Dust conveying system from cooler discharge to ABC have been provided with each DRI Kiln. Wet scrubbers are provided at DRI Kiln, sufficient no. of Fixed type water sprinklers for dust suppression in raw material & product handling areas along the conveyor, finished product house area, cooler discharge, Coal Handling Plant (CHP), along with Kiln axis and all other strategic locations. SIPL have deployed movable water tankers and road sweeping machine for dust cleaning on the road and minimizing fugitive emissions. Pollution control facilities mist water cannons suggested shall also procured for suspended dust suppression in the plant surroundings.

xv.	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.	Company has technically qualified team for each & every separate division of operations for monitoring the bag filter efficiency and other pollution control devices time to time.
xvi.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.	SIPL has installed sufficient no. of water sprinklers for proper water spaying to control dust emission from raw material yard, operational units and other strategic locations in dust prone areas. It shall also be implemented for expansion project.
xvii.	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.	It shall be complied with under implementation and to be implemented projects. Existing projects complies with emission standards as stipulated in previous EC and by West Bengal Pollution Control Board.
xviii.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Sufficient no. of Fixed type water sprinklers for dust suppression in raw material & product handling areas along the conveyor, finished product house area, cooler discharge, Coal Handling Plant (CHP), along with Kiln axis Coal, Iron Ore, Fly Ash handling area and all other strategic locations. Installation of Fog/mist sprinklers shall also be incorporated in existing & units with expansion project. Materials being transported in covered vehicle. Wheel washing mechanism with complete recirculation system shall be provided at suitable location as per directions
xix.	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.	Noted.
xx.	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.	Noted. It shall be complied with.
xxi.	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.	It is provided with existing SAF and shall also be provided with upcoming installation SAF.
xxii.	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m3 for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area	Noted. Personnel's working for the production of Silico Manganese and Ferro Silicon being/shall be provided the PPEs like dust masks eyes safety goggles as protective measures. It shall be monitored as per direction and Indian Factories Act.

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	exposures for silica quartz dust in the process plants.	
xxiii.	No Ferro-chrome production shall be carried out without prior Environmental clearance from MOEF&CC.	Noted. SIPL has already obtained permission from MoEF&CC for the production High Carbon Ferro-chrome. Production shall be done in accordance to the permission granted.
xxiv.	Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.	SIPL has already installed hoppers and closed conveyor system at coal handling plant with efficient bag filters/water sprinkling system with coal crushing units and operated effectively. Regular monitoring being/shall be done and immediate action shall be taken for any abnormality noticed.
xxv.	The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.	All rejected raw coal (raw coal, washed coal and coal wastes) from coal washery will be stored designated place with wind breakers/shields, with fire protection measures for further use in CPP. However, SIPL has coal sheds for storage of coal being used in different operations i.e. DRI, CPP & SAF. All the coal fines and rejects being used in CPP for power generation.
xxvi.	The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.	Noted. It is being/shall be complied. Company has got permission from Eastern Coalfields Limited (ECL) for filling the illegally mined place at Bicched Bandh area near Narsamunda Colliery of Sodepur area. Permission copy enclosed as **Annexure-8**
xxvii.	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.	Company has engaged third party monitoring for check the level of fugitive emissions. Latest fugitive monitoring report are enclosed as **Annexure-2**
xxviii.	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m3, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.	It shall be complied as per directions. Latest fugitive monitoring report are enclosed as **Annexure-2.**
xxix.	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six-monthly compliance report.	It shall be installed with implementation project. Stack monitoring report for SMS (IF) is attached as **Annexure-7.**
xxx.	Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.	Noted. It shall be incorporated during implementation of Reheating Furnace.
III-	**Water quality monitoring and preservation**	

i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Noted. It shall be complied.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground water quality being monitored regularly twice in a year by authorized NABL accredited laboratory. Ground water quality Monitoring report are enclosed as **Annexure-9A**
iii.	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.	It shall be complied as per directions. Recycle and reuse practice has been adapted for effective utilization industrial waste water through catch pits.
iv.	Water meters shall be provided at the inlet to all unit processes in the plants.	SIPL has provided the water meter to assess the water utilization by individual units of operation, however it shall be evaluated and ensure to comply for lacking if any. It shall also be implemented with expansion project.
v.	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Regular monitoring being done. Recycle and reuse practice have been adapted and no effluent discharged outside the factory premises. Efforts being/shall be made to minimise the water intake through maximum recycle and reuse practices.
vi.	The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.	Recycle and reuse practice has been adapted and no effluent being/shall be discharged outside the factory premises. Equalization/homogenization tanks Latest Industrial Effluent Water analysis are enclosed as **Annexure-9B.** For the treatment of domestic effluent septic tank followed by soak pit facilities have been provided. STP shall be installed with implementation of expansion projects.
vii.	All stock yards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.	Flooring work of stock yards are almost completed and shall be done for expansion project. Water spray system for dust suppression has been/will be installed with implementation of new project. SIPL shall implement garland drains and catch pits to trap the run off material in the stock yards.

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viii.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.	As per action plan submit in EIA/EMP report SIPL shall implement the Rain water harvesting to harvest the rain water.
ix.	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.	It is being followed. ETP has been installed for effluent treatment of rolling mills. Latest Industrial Effluent Water analysis are enclosed as **Annexure-9B.**
x.	The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.	SIPL has no proposal for installation of coke oven plant, hence there is /shall be no scope of effluent discharge from coke oven.
xi.	Treated water from ETP of COBP shall not be used for coke quenching.	SIPL has no proposal for installation of coke oven plant, hence there is /shall be no scope of effluent discharge from coke oven.
xii.	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.	It is being followed. Waste water generated from floor washings, boiler & cooling tower blowdowns, back wash from softener plant etc. being taken to equalization/homogenization tanks/catch pits and recycled and reused for cooling purposes, dust suppression, ash conditioning, bed ash cooling and slag quenching. No industrial waste water being discharged outside the factory premises.
xiii.	Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.	It shall be complied. Installation coal washery not started yet.
xiv.	The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run of from reject dumping sites.	Rejected coal fines being/will be utilized in CPP and iron fines will used in pellet plant or send to other unite of SIPL for use. Disposal of such waste shall be ensured and complied as per direction to prevent any kind of water pollution.
xv.	An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.	It shall be complied with installation coal washery unit.
xvi.	Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.	After installation of coal washery, waste water generated from coal washery unit will be recycle in waste treatment plant and it will also be utilized in green belt development as per requirement.

xvii.	Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.	SIPL shall ensure the rain water harvesting for for conservation and augmentation of ground water with guidelines/consultation with competent authority.
xviii.	No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m3/tonne of raw coal.	Noted. It shall be complied with.
xix.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.	This condition is not applicable for SIPL because there is no lease mines available with the company.
xx.	The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.	This condition is not applicable for SIPL
xxi.	Air Cooled condensers shall be used in the captive power plant.	It is being complied. Air Cooled condensers are used in captive power plant and it shall also be complied with all new installations of captive power generation units.
xxii.	Tailing management plan shall be implemented as included in EIA report.	As per EIA report tailing management plane will be implemented with installation of iron ore bonification plant.
xxiii.	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.	It shall be followed.
IV-	**Noise monitoring and prevention**	
i.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noise pollution monitoring being done on regular basis and report are submitted along with six-month compliance report to Regional Officer of the Ministry. Latest Ambient Noise Monitoring report are enclosed as **Annexure-10A**
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules,1986 viz.	Noted. Latest Ambient Noise Monitoring report are enclosed as **Annexure-10A**

	75 dB(A) during day time and 70 dB(A) during night time.	
iii.	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act,1948.	It shall be complied. Personnel working near noise generating source being provided the ear plug ear muff and for hot zone apron, hand glove, eye goggles and face shield as PPE.
V-	**Energy Conservation measures**	
i.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	It shall be complied with operation of blast furnace after installation.
ii.	Restrict Gas flaring to < 1%.	It shall be complied with operation of blast furnace.
iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	SIPL has planned to install solar panel on the roof top of Administrative and commercial building for optimum utilization of solar power as per direction.
iv.	Provide LED lights in their offices and residential areas.	It has been/shall be complied.
v.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.	Company has already implemented and installed WHR Boilers with DRIs for better utilization waste heat for power generation. It shall also be implemented with installation of reheating furnaces.
vi.	Practice hot charging of slabs and billets/blooms as far as possible.	It is being followed.
vii.	Ensure installation of regenerative type burners on all reheating furnaces.	SIPL shall adopt latest technology of burners and it will be implemented in all reheating furnaces.
viii.	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	It shall be complied with installation of blast furnace.
ix.	Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and nonrecovery type coke ovens.	SIPL shall implement CDQ with installation of Coke oven plant.
x.	The project proponent shall provide waste heat recovery system on the DRI Kilns.	It is already installed in all DRI units and shall also be provided with upcoming projects.
xi.	The dolochar generated shall be used for power generation.	Dolochar generated from DRI plant are /shall be utilized in CPP plant as a Raw material of the power plant for captive power generation.
xii.	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water	Noted. It shall be complied.

	shall be incinerated in After Burn Chamber (ABC) of DRI kilns.	
xiii.	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.	Noted. It is being/shall be complied.
VI-	**Waste management**	
i.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.	It is being/shall be complied for collection of spillage oil for further recycle/ reuse.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	It shall be complied.
iii.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	It is being followed. All the fly ash generated within the plant is provided to brick manufacturers for further utilization. Accordingly, company has made agreement for the same. Company has also got permission from Eastern Coalfields Limited (ECL) for filling the illegally mined place at Bicched Bandh area near Narsamunda Colliery of Sodepur area. Copy of the agreement and permission are enclosed as **Annexure-8A & 8B**
iv.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six-monthly compliance report being submitted by the project proponents.	Noted. It is being/shall be complied. Use of single use plastic is completely banned inside the plant premises. Our EHS personnel are regularly creating awareness among people working within the factory premises to avoid the Single Use Plastic (SUP) items. Further campaigning against SUP shall be conducted for more effective compliance of guidelines and Notification dated 12/08/2021 of the Hon'ble Ministry.
v.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Electronic waste generated being disposed of through authorized vendor. Form-3 is attached as **Annexure-11.**
vi.	Solid waste utilization-	Slag generated from induction furnace being used for road making purpose and land filling after treat

	a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.	recovery. Ferro manganese slag being used for silico-manganese production and silico manganese slag used for as aggregate. Used refractories being sold to its recyclers and also reused within the plant as for as possible. Fly ash being provided to brick and cement manufactures.
vii.	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.	Slag generated from SMS being used for road making purpose and land filling after metal recovery.
viii.	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.	It shall be complied. GCP dust shall be used in sinter plant upon implementation.
ix.	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.	All metallic waste like metallic scrap and flux being/will be resued in SMS plant.
x.	In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.	This condition is not applicable to SIPL because Coke Oven plant is not the part of project proposal.
xi.	Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).	Noted. It shall be complied.
xii.	Rejects from coal washery shall only be used either in the captive power plant (or) in the Thermal Power Plants meeting emission standards.	Rejects from coal washery will be utilized in CPP plant for power generation.
VII-	**Green Belt**	
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	SIPL has prepared GHG emission inventory and reduction of the same including carbon sequestration by trees. Attached as **Annexure-12**
ii.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and	It shall be complied. Carbon Footprint & Carbon Sequestration report of SIPL has been prepared and attached as **Annexure-12**

	offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	
iii.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	SIPL has completed concreting of approx. more than 96% internal roads where heavy vehicle movements are exercised, and concreting of balance roads are under progress. The company has completed the paver blocking of around 95% of area where heavy vehicle movements are not envisaged. Along with paver blocking company has also done the concreting of many workplace areas of the plant. Some photographs are attached as **Annexure-3** Concretization of roads and paver blocking inside the plant in expansion project area shall be undertaken with implementation of expansion project for prevention and control of soil erosion. Greening of the plant area is also taken as drive of greenbelt & green cover development program and it shall be continued. Green belt photographs are enclosed as **Annexure-13**
VIII-	**Public hearing and Human health issues**	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied. It is already been submitted.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	It shall be complied. Personnel working near noise generating source being provided the ear plug ear muff and for hot zone apron, hand glove, eye goggles and face shield as PPE.
iii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	It is being shall be complied.
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Occupational health surveillance of the workers being done on regular basis and records maintained. Health checkup report is enclosed as **Annexure-14**
IX-	**Environment Management**	

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i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Noted, It shall be complied. Company has already started implementation of developmental activities as a part Corporate Environment Responsibility (CER) activity in the nearby villages. Some photographs are attached as **Annexur-5**
ii.	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. It is already been submitted. Corporate Environmental Policy is attached as **Annexure-15**
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	An environmental cell has been set up under the supervision of Senior Executive of DGM level to look after the day to day activities pertaining to environment & pollution control issues of the company.
iv.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.	It shall be complied. NABL accredited third party monitoring being conducted periodically to evaluate the emission level of pollution control systems i.e. ESPs and bag filters. Latest Stack monitoring reports is enclosed as **Annexure-7**
X-	**Miscellaneous**	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	It has been complied. Advertisement in two local newspapers is attached as **Anneure-16**
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies	It has been complied.

	in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	It is being complied. Compliance status being periodically uploaded on the company website http://shakambhariispat.com/environmental-compliance
iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, 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.	Monitoring of criteria pollutants around the plant premises along with pollutants level namely; PM10, S02, NOX being displayed at main gate of the plant and it shall also be uploaded in company's website http://shakambhariispat.com/environmentalcompliance under Half yearly compliance report as per direction. Ambient Air & Stack Monitoring reports are enclosed as **Annexure-1 & Annexure-7** Environmental parameter monitored has been displayed at the entrance of the company main gate in the public domain. Attached as **Annexure –17**
v.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented.	Internal plant roads are made keeping in view the abstractions free movement within the plant premises. MSA as per IRC guidelines shall be implemented and followed with implementation projects.
vi.	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.	Noted. It shall be complied. Six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data being to IRO on regular basis.
vii.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Being complied. The environment statement (Form-V) for Financial Year 2022-23 has already been submitted to WBPCB with copy to Integrated Regional Office of the MOEF&CC, Kolkata. The report is uploaded on the company's website as per direction.
viii.	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.	The financial closure of the project is under process with consortium bankers and shall be communicated once received. After obtaining CTE(NOC) vide no. NO 180762 dated 18.08.20234 from company has started the project activities w.e.f. 21.08.2023. Copy of CTE attached as **Annexure-6**
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted. Company shall implement the commitments and recommendations made in EIA /EMP report, commitments made during the Public Hearing and also that during presentation to the Expert Appraisal Committee.

x.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	Noted. It shall be complied.
xi.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	Noted, it shall be complied as per directions.
xii.	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).	Noted and agreed.
xiii.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
xiv.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xv.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
xvi.	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.	It is being complied. SIPL extend full cooperation to the officer (s) of the Regional Office and furnish the requisite data / information/monitoring reports.
xvii.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

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SPECIFIC CONDITION:		
i.	The project proponent shall install 24x7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to Ministry and its Regional Office	We have installed 24x7 Online Continuous Emission Monitoring System (OCEMS) have been installed with all major stacks of DRI, CPP & Ferro Division and connected to CPCB portal to monitor the air emissions. Latest stack monitoring report is attached as **Annexure-7.**
ii.	No dumping is permitted in the abandoned coal mines 2B and 2C in nearby Parbelia Village. The iron ore trailing and excess ash should be stored within the plant premises for the period of 2 years for which land is available. The status of storage of above material shall be periodically reviewed by the regional office for land adequacy and environmental management. For future storage of iron ore tailing and excess ash, beyond the period of 2 years, the proponent will submit the land acquisition details to the Ministry.	It is being complied. No dumping being done in the abandoned coal mines 2B and 2C nearby Parbelia village. Iron ore beneficiation plant has not been installed so far. Therefore, Iron ore tailings storage facility is not applicable at this stage.
iii.	In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant etc. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control the dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.	SIPL has already installed de-dusting systems like bag filters and ESPs for an effective control of dust emissions. Dust extraction system has been provided at the strategic points attached with bag filter units for cooler discharge, intermediate bin, product house etc. Dust conveying system from cooler discharge to ABC have been provided with each DRI Kiln., Fixed type water sprinklers for dust suppression in raw material & product handling areas along the conveyor, finished product house area, cooler discharge, Coal Handling Plant (CHP), along with Kiln axis and all other strategic locations. SIPL have deployed movable water tankers and road sweeping machine for dust cleaning on the road and minimizing fugitive emissions. Latest fugitive emissions monitoring report is attached as **Annexure-2**
iv.	The ETP for Mini Blast Furnace effluent should be designed to meet Cyanide standard as notified by the MoEF&CC.	It shall be complied. No Mini Blast Furnace has been installed so far.
v.	No effluent shall be discharged outside the plant premises and 'zero' discharge shall be adopted.	Recycle and reuse practice has been adapted and no effluent being discharged outside the factory premises.
vi.	Continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels	Online Continuous Emission Monitoring System (OCEMS) have been installed at Stacks of DRI and CPP. Air pollution control devices viz. ESPs and bag filters along with dust extraction and suppression system have been installed and efficiently operated to control

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	below 50 mg/Nm3 and installing energy efficient technology.	emission level well within the norms. Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels. Latest stack monitoring report in enclosed as **Annexure-7**
vii.	Hot gases from DRI kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solids and After Burning Chamber (ABC) to burn CO completely. The gas then shall be cleaned in ESP before leaving out into the atmosphere through ID fan and stack.	Hot gases from DRI Kiln being passed through Dust Settling Chamber (DSC) to remove coarse solids and After Burning Chamber (ABC) for complete burning of CO. The dust content from gas being separated by ESP and cleaned gas discharged through stack.
viii.	Efforts shall further be made to use maximum water from the rain water harvesting sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly. All the effluent should be treated and used for ash handling, dust suppression and green belt development. ETP sludge should be disposed off scientifically.	All possible attempts are made to ensure optimal use of water. We have rain water harvesting pond to harvest the rain water and reduce the water consumption. Air cooled condensers and closed-circuit cooling system have been provided with CFBC boiler to reduce water consumption. Cooling water in DRI, SMS and Rolling Mill are recycled back to the system. Roiling mill effluent being treated in ETP and recycled back to the process. Sludge generated from ETP being utilized in SAF. Cooling tower blowdown and softener/DM plant rejects being taken into neutralization/humanization tanks and utilized for dust suppression, ash handling and for sprinkling on road to control fugitive dust emissions.
ix.	All the coal fines, char from DRI plant shall be utilized and no char shall be used for briquette making or disposed off anywhere else. All the other solid waste including broken refractory mass shall be properly disposed off in environment-friendly manner.	It is being complied. All the coal fines and the char generated from DRI plant being strictly utilized in Captive Power Plant (CPP). Other solid waste like broken refractory etc. being sold to it recyclers.
x.	All internal roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads. Facilities for parking of trucks carrying raw coal from the linked coalmines shall be created within the Unit.	SIPL has completed concreting of All internal roads where heavy vehicle movements are exercised. The company has completed the paver blocking of around 96% of area where heavy vehicle movements are not envisaged. Along with paver blocking company has also done the concreting of many workplace areas of the plant. Some photographs are attached as **Annexure-3** We have already purchased automated road sweeping machine and the same is operational. Parking area for the trucks within the unit has been provided. **Annexure-4.** Progressive measures have being taken to develop avenue plantation and green cover using indigenous species i. e. Radhachura, Neem, Arjun, Spathodia, Banyan, Peepal, Bakul, Conocarpus, Kadam, Rain tree, shishu, Sonajhuri, Siris, Pitanjiba, Ficus, Krishnachura

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		Kanchan, Gamhar etc. along the plant road and periphery as well as inside the plant. Some pictures are attached as **Annexure-13**
xi.	The Standards issued by the Ministry vide G.S.R. No. 277(E) dated 31st March, 2012 regarding integrated iron and steel plant shall be followed.	It is being followed.
xii.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	It is being followed. Latest Ambient Air Quality Monitoring report is attached as **Annexure-1**
xiii.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	Utmost priority is given to reduce the air pollution within the plant. Suitable control measures have been undertaken to keep Gaseous emission level including secondary fugitive emissions within the latest permissible limits. Last work zone (Fugitive Emission) monitoring report is enclosed as **Annexure-2**
xiv.	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 Environment (Protection) Act, 1986 whichever are more Stringent.	Regular monitoring being done. Recycle and reuse practice has been adapted and no effluent being discharged outside the factory premises. Latest monitoring report of Effluent water, Surface water and Ground water is enclosed as **Annexure-9B,9C &9A.**
xv.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office, SPCB and CPCB.	Proper handling, storage, utilization and disposal of solid waste being done. Analysis of toxic metal content in the solid waste being periodically carried out by approved agency. The monitoring report by NABL accredited laboratory is enclosed as **Annexure- 18**
xvi.	A time bound action plan shall be submitted to reduce solid waste generated due to the project related activity, its proper utilization and disposal.	It is complied. Solid waste generated from project activities are properly utilized at plant site. Excavated good soil being used for greenbelt development and remaining soil for backfilling. Old structural if any, are utilized in SMS and re-melted in induction furnace. Civil debris are used for road making/concretization of shop floors.
xvii.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendments. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding shall be submitted to the Ministry's Regional Office.	All the fly ash generated within the plant is provided to brick manufacturers for further utilization. Accordingly, company has made agreement for the same. Company has also got permission from Eastern Coalfields Limited (ECL) for filling the illegally mined place at Bicched Bandh area near Narsamunda Colliery of Sodepur area. Copy of the agreement is enclosed as **Annexure-8A & 8B**
xviii.	A Risk and Disaster Management Plan shall be	Complied.

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	prepared and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter.	It is already been submitted.
xix.	Green belt shall be developed in at least 33% of the project area by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines.	SIPL has achieved the target of green belt plantations in 33% area of the plant i.e. 23.66ha out of 71.7ha land of existing project area with tree density of approx. 2506 trees/ha. by gap filling and scoping the new plantation by 30.09.2023. Company has taken extensive plantation drive by using indigenous species i. e. Radhachura, Neem, Arjun, Spthodia, Banyan, Peepal, Bakul, Conocarpus, Kadam, Rain tree, shishu, Sonajhuri, Siris, Pitanjiba, Ficus, Krishnachura etc. along the plant roadside, periphery as well as inside the plant according to recommendation from DFO and species of local growing species
xx.	All the commitments made to the public during Public Hearing/public consultation meeting shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	It is complied/being complied. In accordance to the compliance of commitments made during public hearing and an additional requirements made by the local people time to time., various CSR activities have been undertaken by SIPL for the benefit of local community of nearby villages i.e. Distribution of blanket, winter dresses for local needy villagers. Drinking water to the nearby villagers, free medical camps for needy people, providing study material to the school students and also arrange the sitting facilities to the school students, repairing & coloring of school building, food grains distribution to acute malnourished community, distribution of food materials during COVID situations to the weaker section of nearby villages communities, monetary support to the surrounding villagers for varies cultural program etc. Some photographs recently dove activities attached as **Annexure-5** We have dedicated CSR team to look after the welfare activities and redressing of issues if any.
xxi.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item- wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken reporting this regard shall be submitted to the Ministry's Regional Office.	It has been complied. Details of the public hearing issues and various activities undertaken along with other need-based CSR activities attached as **Annexure-5**

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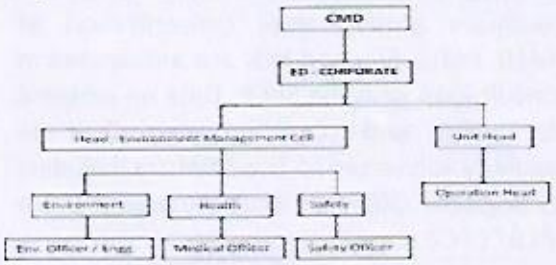
Sl. No.	**CONDITIONS**	**COMPLIANCE STATUS**
xxii.	The proponent shall prepare a detailed CSR Plan for every year for the next 5 years for the existing-cum- expansion project, which includes village-wise, sector- wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.	SIPL have undertaken various social activities in nearby villages in consultation with local communities for their benefit of health, education, cultural activities, skill development and employment to local people etc. Our expenditures are incurred primarily towards supporting education, health for the benefit of local community such as repairing and renovating of old schools in local villages developing of furnishing classrooms, facilitating study materials and utilities and providing support to the Harmadih hospital by drinking water arrangements, oxygen cylinders, illumination of hospital premises, blanket and winter wear distribution to the nearby villagers construction of public toilets, construction of Temples and Prayer Halls on demand of the local communities in nearby villages etc. In addition to the above, further our primary objective is the Skill development of the local youth and strengthening employability, also making self-help of women for their economic improvements. Our HR & IR and CSR team personnel to look after the welfare activities and redressing of issues if any. The SIPL has varieties of CSR activities with its Elegant-Foundation. As a part of CSR, we have distributed nutrition kits containing rice, dal and edible oils to less privileged people. Some photographs of CSR activity are attached as **Annexure-5**
xxiii.	The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to being into focus any infringement/deviation/ violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of noncompliance/ violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Complied. SIPL have implemented standard operating  procedure to look into any infringement/ deviation/violation of environmental or forest norms/conditions. SIPL have also the Hierarchical system/ Administrative order to deal with environmental issues and compliance of EC conditions. SIPL have in placed reporting system for non – compliance / violation of environmental norms. Board of Directors Corporate Environment Policy of the company is attached as **Annexure-15**
xxiv.	The project proponent shall provide for solar	It is complied

EC F. No. J-11011/201/2013-IA II (I) Date: 21.12.2016 and EC amendment dated 29.04.2020		
Sl. No.	**CONDITIONS**	**COMPLIANCE STATUS**
	light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.	Solar lighting system have been installed in the village Radhamadhabpur & Erakusum on roads side near Kali Mandir and it is being maintained regularly.
xxv.	The project proponent shall provide for LED lights in their offices and residential areas.	Complied. Energy conservation measure has already been adapted by providing LED lights in the offices to minimization of energy consumption.
xxvi.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	It shall be complied. At present no any major project activities are going on, and workers whoever involved in construction activities are from nearby area and do not require to stay at project site.
GENERAL CONDITIOS:		
i.	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and State Government.	It is being adhered as per the stipulation made by WBPCB and State Government. Consent to Operate obtained from WBPCB is attached as **Annexure –6**
ii.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	It shall be followed. No further modification or expansion will be undertaken without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
iii.	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, $PM_{2.5}$, SO_2 and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/ CPCB once in six months.	Ambient Air Quality Monitoring being carried on as per direction in four locations consideration of maximum ground level concentration of PM_{10}, $PM_{2.5}$, SO_2, and NO_x. Latest Ambient Air Quality monitoring report and stack monitoring report is enclosed as **Annexure-1 & Annexure-7**
iv.	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.	Being complied. Effluent generated from roiling mill being treated in ETP and recycled back to the process. Sludge generated from ETP being utilized in SAF. Cooling tower blowdown and softener/DM plant rejects being taken into neutralization/homogenization tank and utilized for dust suppression and, ash handling and for sprinkling on road to control fugitive dust emissions. No industrial effluent being discharged outside the factory premises.
v.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dB(A)) by providing noise	Noise control measure has already been implemented to keep the noise level well within the 85 dB(A) and ambient noise level below 75 dB(A) (during day time) and 70 dB(A)

EC F. No. J-11011/201/2013-IA II (I) Date: 21.12.2016 and EC amendment dated 29.04.2020		
Sl. No.	CONDITIONS	COMPLIANCE STATUS
	control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) during day time and 70 dB(A) during nighttime.	(during night time). Work Zone and Ambient Noise Monitoring report is enclosed as **Annexure- 10B & 10A**
vi.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational Health Surveillance of the workers is being carried out on regular interval and records are maintained. Last Health checkup reports of some employees are enclosed as **Annexure-14**
vii.	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 pond has been developed within the plant premises to harvest the rain water. This water is being utilized in the lean season as per requirement.
viii.	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.	Environmental protection measures have been implemented for effective compliance of safe guards and recommended in the EIA/EMP reports. Socio-economic development of local community has already undertaken through providing job to local people. SIPL have undertaken various social activities in nearby villages in consultation with local communities for their benefit of health, education, cultural activities, and employment to local people etc. The SIPL has varieties of CSR activities with its Elegant Care Foundation. Drinking water is supplied to needy communities of local villages on regular basis. The company has dedicated CSR team to look after the welfare activities for local community and redressing of issues if any. Some photographs of CSR activity are attached as **Annexure-5.**
ix.	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, Forest and Climate Change (MoEF&CC) 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.	Requisite funds being released towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by MoEF&CC. Accordingly necessary facilities like ESPs followed by silos for de-dusting during boiler operation , bag filters along with dust extraction system, Water sprinkling system for fugitive dust suppression, water tankers and road sweeping machine for dust suppression on roads, green belt development and water recycling system etc. have been installed for abatement of the pollution. Concretization/paving of roads are advance stage of completion. Suitable man powers have been engaged for an efficient operation, monitoring and maintenance of the devices installed.
x.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila	Complied. Clearance letter is sent to concerned local body.

EC F. No. J-11011/201/2013-IA II (I) Date: 21.12.2016 and EC amendment dated 29.04.2020		
Sl. No.	CONDITIONS	COMPLIANCE STATUS
	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.	EC letter is also uploaded to company website. http://shakambhariispat.com/environmental-orders
xi.	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 & CC at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{10}, SO_2, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied. Compliance status being periodically uploaded on the company website http://shakambhariispat.com/environmental-compliance Environmental parameter monitored has been displayed at the entrance of the company main gate in the public domain. Attached as **Annexure - 17**
xii.	The project proponent shall also submit six monthly report 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&CC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB/SPCB shall monitor the stipulated conditions.	Six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data had been submitted to MoEF &CC and Pollution Control Board in both soft & hard copies. Now it is being submitted in soft copy only as per direction of Hon'ble MoEF&CC F. N0. 106-12/EPE dated. 11.05.2020.
xiii.	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&CC at Bhubaneswar by e-mail.	Being complied. The environment statement (Form-V) for Financial Year 2022-23 has been submitted to WBPCB with a copy to Integrated Regional Office of the MOEF&CC, Kolkata. The report has been uploaded on the company's website as per direction. http://shakambhariispat.com/environmental-compliance
xiv.	The project proponent shall inform the public that the project has been accorded environment 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, Forest and	It is Complied.

EC F. No. J-11011/201/2013-IA II (I) Date: 21.12.2016 and EC amendment dated 29.04.2020		
Sl. No.	**CONDITIONS**	**COMPLIANCE STATUS**
	Climate Change (MoEF&CC) 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 newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and copy of the same should be forwarded to the Regional Office at Bhubaneswar	
xv.	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.	Complied. Land Development for the project was started w.e.f. 22.03.2017 and the date of financial closure is 14.01.2017
Additional condition as per EC Amended F. No. J-11011/201/2013-IA.II (I) dated 29th April, 2020		
i.	An affidavit ensuring compliance to the non-compliances/partial compliances reported in the monitoring report of the Regional Office dated 18/02/2019 shall be submitted to the Ministry and to the Regional Office of the Ministry at Bhubaneshwar within three months from date of issue of this letter.	Complied. We have already submitted the affidavit following the direction of Hon'ble MoEF&CC.

ANNEXURE- 1

TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023 – 15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	:	Ambient Air	
Sample Condition	:	Sealed	Sample ID No.	: ENV/66/Sep./A/XIII	Report No.	:	ENV/66/Sep./TR(A)/XIII/23-24	

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near Main Gate (Southern Side)
2.	Duration of Sampling	:	24 hrs. (09:00 a.m. – 09:00 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	26.0
2.	Average Relative Humidity (%)	:	86.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Cloudy & Rainy (Occasional)

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of $PM_{2.5}$	µg/m^3	IS 5182 (Part 24) : 2019	36.50
2.	Concentration of PM_{10}	µg/m^3	IS 5182 (PART 23) : 2019	64.12
3.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	7.80
4.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	25.0
5.	Concentration of CO	mg/m^3	IS 5182 (Part 10): 2019	0.23
6.	Concentration of Pb	µg/m^3	IS 5182 (Part 22) : 2019	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m^3	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021	<0.36
8.	Benzene (C_6H_6)	µg/m^3	IS 5182 (Part 11) 2017& ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74
9.	Ozone (O_3)	µg/m^3	IS 5182 (Part-9) : 2019	<10.0
10.	Ammonia (NH_3)	µg/m^3	IS 5182 (Part 25) : 2018	<4.18
11.	Nickel (Ni)	ng/m^3	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m^3	EPA IO 3.2, 1999& APHA 23rd Ed 3114C : 2017	<0.01

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023 – 15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	:	Ambient Air	
Sample Condition	:	Sealed	Sample ID No.	: ENV/66/Sep./A/XIV	Report No.	:	ENV/66/Sep./TR(A)/XIV/23-24	

A] GENERAL INFORMATION

1.	Location of Sampling	:	Behind the AFBC Boiler House (Western Side)
2.	Duration of Sampling	:	24 hrs. (09:30 a.m. – 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	27.0
2.	Average Relative Humidity (%)	:	86.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Cloudy & Rainy (Occasional)

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of $PM_{2.5}$	µg/m^3	IS 5182 (Part 24) : 2019	32.78
2.	Concentration of PM_{10}	µg/m^3	IS 5182 (PART 23) : 2019	61.58
3.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	6.52
4.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	23.50
5.	Concentration of CO	mg/m^3	IS 5182 (Part 10): 2019	0.20
6.	Concentration of Pb	µg/m^3	IS 5182 (Part 22) : 2019	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m^3	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021	<0.36
8.	Benzene (C_6H_6)	µg/m^3	IS 5182 (Part 11) 2017& ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74
9.	Ozone (O_3)	µg/m^3	IS 5182 (Part-9) : 2019	<10.0
10.	Ammonia (NH_3)	µg/m^3	IS 5182 (Part 25) : 2018	<4.18
11.	Nickel (Ni)	ng/m^3	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m^3	EPA IO 3.2, 1999& APHA 23rd Ed 3114C : 2017	<0.01

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023 – 15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	:	Ambient Air	
Sample Condition	:	Sealed	Sample ID No.	: ENV/66/Sep./A/XV	Report No.	:	ENV/66/Sep./TR(A)/XV/23-24	

A] GENERAL INFORMATION

1.	Location of Sampling	:	D.V.C Area (Northern Side) 132 KV
2.	Duration of Sampling	:	24 hrs. (10:00 a.m. – 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	27.0
2.	Average Relative Humidity (%)	:	86.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Cloudy & Rainy (Occasional)

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of $PM_{2.5}$	µg/m^3	IS 5182 (Part 24) : 2019	31.20
2.	Concentration of PM_{10}	µg/m^3	IS 5182 (PART 23) : 2019	60.16
3.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	6.50
4.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	21.82
5.	Concentration of CO	mg/m^3	IS 5182 (Part 10): 2019	0.18
6.	Concentration of Pb	µg/m^3	IS 5182 (Part 22) : 2019	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m^3	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021	<0.36
8.	Benzene (C_6H_6)	µg/m^3	IS 5182 (Part 11) 2017& ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74
9.	Ozone (O_3)	µg/m^3	IS 5182 (Part-9) : 2019	<10.0
10.	Ammonia (NH_3)	µg/m^3	IS 5182 (Part 25) : 2018	<4.18
11.	Nickel (Ni)	ng/m^3	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m^3	EPA IO 3.2, 1999& APHA 23rd Ed 3114C : 2017	<0.01

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023 – 15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XVI	Report No.	:	ENV/66/Sep./TR(A)/XVI/23-24

A] GENERAL INFORMATION

1.	Location of Sampling	:	Madandih Village -05 km from Plant (Eastern Side)
2.	Duration of Sampling	:	24 hrs. (11:00 a.m. – 11:00 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	26.0
2.	Average Relative Humidity (%)	:	84.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Cloudy & Rainy (Occasional)

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of $PM_{2.5}$	µg/m^3	IS 5182 (Part 24) : 2019	29.56
2.	Concentration of PM_{10}	µg/m^3	IS 5182 (PART 23) : 2019	56.20
3.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	6.20
4.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	20.02
5.	Concentration of CO	mg/m^3	IS 5182 (Part 10): 2019	0.14
6.	Concentration of Pb	µg/m^3	IS 5182 (Part 22) : 2019	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m^3	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021	<0.36
8.	Benzene (C_6H_6)	µg/m^3	IS 5182 (Part 11) 2017& ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74
9.	Ozone (O_3)	µg/m^3	IS 5182 (Part-9) : 2019	<10.0
10.	Ammonia (NH_3)	µg/m^3	IS 5182 (Part 25) : 2018	<4.18
11.	Nickel (Ni)	ng/m^3	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m^3	EPA IO 3.2, 1999& APHA 23rd Ed 3114C : 2017	<0.01

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

ANNEXURE- 2

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XVII	Report No.	:	ENV/66/Sep./TR(A)/XVII/23-24

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near 16 MW Control Room
2.	Duration of Sampling	:	08 hrs. (10:00a.m. – 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	28.0
2.	Average Relative Humidity (%)	:	78.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m^3	IS 5182 (Part 4) : 2019	260.12

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya
INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	14.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XVII	Report No.	:	ENV/66/Sep./TR(A)/XVII/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near 16 MW Control Room
2.	Duration of Sampling	:	08 hrs. (10:00 a.m. – 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	28.0
2.	Average Relative Humidity (%)	:	78.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	12.50
2.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	28.56

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	:	Work Zone Air	
Sample Condition	:	Sealed	Sample ID No.	: ENV/66/Sep./A/XVIII	Report No.	:	ENV/66/Sep./TR(A)/XVIII/23-24	

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near 100 TPD – Control Room
2.	Duration of Sampling	:	08 hrs. (10:20 a.m. – 06:20p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	29.0
2.	Average Relative Humidity (%)	:	76.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m^3	IS 5182 (Part 4) : 2019	186.50

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	14.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XVIII	Report No.	:	ENV/66/Sep./TR(A)/XVIII/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near 100 TPD – Control Room
2.	Duration of Sampling	:	08 hrs. (10:20 a.m. – 06:20 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	29.0
2.	Average Relative Humidity (%)	:	76.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	8.24
2.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	25.0

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	14.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XIX	Report No.	:	ENV/66/Sep./TR(A)/XIX/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near DRI 350 TPD Control Room
2.	Duration of Sampling	:	08 hrs. (10:15a.m. – 06:15p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	30.0
2.	Average Relative Humidity (%)	:	74.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m^3	IS 5182 (Part 4) : 2019	216.16

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	14.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XIX	Report No.	:	ENV/66/Sep./TR(A)/XIX/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near DRI350 TPD Control Room
2.	Duration of Sampling	:	08 hrs. (10:15 a.m. – 06:15 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	30.0
2.	Average Relative Humidity (%)	:	74.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	8.50
2.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.50

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XX	Report No.	:	ENV/66/Sep./TR(A)/XX/23-24

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near DRI 600 TPD M.C.C. Room
2.	Duration of Sampling	:	08 hrs. (10:18a.m. – 06:18p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	30.0
2.	Average Relative Humidity (%)	:	72.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m^3	IS 5182 (Part 4) : 2019	190.50

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	15.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XX		Report No.	:	ENV/66/Sep./TR(A)/XX/23-24		

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near DRI 600 TPD M.C.C. Room
2.	Duration of Sampling	:	08 hrs. (10:18 a.m. – 06:18 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	30.0
2.	Average Relative Humidity (%)	:	72.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	11.82
2.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	28.20

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	15.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XXI	Report No.	:	ENV/66/Sep./TR(A)/XXI/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Rolling Mill Dispatch Area
2.	Duration of Sampling	:	08 hrs. (10:20a.m. – 06:20p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	30.0
2.	Average Relative Humidity (%)	:	70.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m^3	IS 5182 (Part 4) : 2019	218.58

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XXI	Report No.	:	ENV/66/Sep./TR(A)/XXI/23-24

A] GENERAL INFORMATION

1.	Location of Sampling	:	Rolling Mill Dispatch Area
2.	Duration of Sampling	:	08 hrs. (10:20 a.m. – 06:20 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	30.0
2.	Average Relative Humidity (%)	:	70.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	14.20
2.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.52

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	15.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air			
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XXII	Report No.	:	ENV/66/Sep./TR(A)/XXII/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near SMS Control Room
2.	Duration of Sampling	:	08 hrs. (10:40a.m. – 06:40p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	29.0
2.	Average Relative Humidity (%)	:	72.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m^3	IS 5182 (Part 4) : 2019	162.59

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya
INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	15.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample	:	Work Zone Air		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XXII	Report No.	:	ENV/66/Sep./TR(A)/XXII/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near SMS Control Room
2.	Duration of Sampling	:	08 hrs. (10:40 a.m. – 06:40 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	29.0
2.	Average Relative Humidity (%)	:	72.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	7.20
2.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	25.0

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	15.09.2023			
						Period of Analysis	:	16.09.2023 – 19.09.2023			
						Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan		:	No	Type of Sample		:	Work Zone Air	
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XXIII	Report No.	:	ENV/66/Sep./TR(A)/XXIII/23-24			

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near Ferro Alloy SEAF Control Room
2.	Duration of Sampling	:	08 hrs. (10:25a.m. – 06:25p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	31.0
2.	Average Relative Humidity (%)	:	72.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m^3	IS 5182 (Part 4) : 2019	226.18

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XXIII	Report No.	:	ENV/66/Sep./TR(A)/XXIII/23-24

A] GENERAL INFORMATION

1.	Location of Sampling	:	Near Ferro Alloy SEAF Control Room
2.	Duration of Sampling	:	08 hrs. (10:25a.m. – 06:25 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (^{0}C)	:	31.0
2.	Average Relative Humidity (%)	:	72.0
3.	Barometric Pressure (mm of Hg)	:	756.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO_2	µg/m^3	IS 5182 (Part 2) 2017& ASTM D 2914-01,Sec. 11 (Vol. 11.07) : 2017	12.80
2.	Concentration of NO_2	µg/m^3	IS 5182 (Part 6) 2017& ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	20.02

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

<End of Report>

ANNEXURE- 3

RCC ROAD & PAVER BLOCK AREA INSIDE PLANT

ADMIN
BLOCK

ELEGANT
OCCUPATIONAL HEALTH CENTRE
OHC
OCCUPATIONAL HEALTH CENTER

SMS
DRI 100 TPD
CPP 16 MW
SWITCH YARD
RM YARD
ROLLING MILL
DR 350 /800 TPD
CPP-40/31 MW
DM PLANT

PEDESTRIAN
WALKWAY

WELCOME TO
POWER PLANT

S.I.P.L
3056

ANNEXURE- 4

TRUCK PARKING AREA

ANNEXURE- 5

PHOTOGRAPHS OF CORPORATE SOCIAL RESPONSIBILITY

Inauguration of Community Cultural Centre & Women Livelihood Programme

Health Check-up Camp

Renovation of Joy Baba Brinchinath Dham Dwar

Development of Bus Stop Shed at Main Gate

Installation of Solar Lights at Radhamadhabpur	Installation of Solar Lights at Harmardih

Installation of Solar Lights at Khowar	Installation of Solar Lights at Erekusum

Development for Empowerment & Livelihood

Pond Excavation Work for Rain-Water Harvesting

Development of a Bathing Ghat at the Pond Side Area

CSR Team Visit at Madandih Village

Celebration of Cultural Programme

Girls Football Tournament

Hand Pump Repairing Program

Distribution of Drinking Water

ANNEXURE- 6

NOC NO180762

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block-LA, Sector-III
Bidhannagar, Kolkata-700106

Memo No. 422 - 2N-21/2012(E)-PART-I Dated 18.08.2023

From :
Member Secretary,
West Bengal Pollution Control Board

To : M/s. Shakambhari Ispat & Power Limited,
"Diamond Prestige", 41A,A.J.C. Bose Road, 8th Floor,#801,
Kolkata - 700 017.

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

Ref : i) Your letter No. Nil Dated 14.08.2023
ii) Environmental Clearance issued by MOEF&CC,GOI vide EC Identification No.EC23A008WB179534,File No.IA-J-11011/282/2021-IA-II(IND-I) dated 19.07.2023

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed ~~Unit~~ expansion of M/s Shakambhari Ispat & Power Limited for ~~manufacturing/storage/installation~~ production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-alloys(maximum) along with allied facilities at Village-Parvatpur,* this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

*Mandandih, Radhamadabpur,PO-Bartoria,Tehsil-Raghunathpur, Dist.-Purulia, West Bengal(For details of configuration see annexures).

1. The quality of sewage and trade effluent to be discharged from your factoy shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.

2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.

3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.

4. All emission from your factory shall conform to the standards as laid by this Board.

5. No. emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.

6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/ erected/re-erected without prior approval of this Board.

18/08/2023
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

NOC NO180762

7. You shall comply with
   (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
   (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
   (iii) Environment (Protection) Act, 1986
   (iv) Environment (Protection) Rules, 1986
   (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
   (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
   (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
   (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
   (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
   (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
   (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
   (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable

8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION :

See Annexures.

Gross Capital Investment - Rs.320 Crores.

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

Yours faithfully,

18/08/2023.

Member Secretary/ Chief Engineer
West Bengal Pollution Control Board (EIM CELL)

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Memo No. 422 -2N-21/2012(E)-PART-I dtd. 18/08/2023 Dated.....

Copy forwarded for information to :

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building. Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Malda R.O./ Asansol R.O./WBPC Board.

5. Alipore Regional Office
"Minority Bhawan", 5th Floor, 12, Biplabi Kanailal Bhattacharya Sarani, Alipore, Kolkata-700 027
Telefax No. 033-2448-5553
Tel No. 033-2448-5554

6. Asansol Regional Office
Kalyanpur Satelite Township Project (KSTP), Dr. B.C. Roy Road, P.O.- Dakshin Dhadka, P.S. Asansol (North), Dist.-Paschim Bardhaman, Asansol-713 302
Telefax No. 0341-2999280
0341-2999281

7. Barrackpore Regional Office
Panpur More, Kalyani Expressway, Vill.-Panpur, P.O.-Narayanpur, Dist.: 24-Parganas (N), Pin-743 126
Telefax No. 033-2580 0573

8. Durgapur Reginal Office
Sahid Khudiram Sarani, City Centre, Durgapur, Paschim Bardhaman-713 216.
Tel No. 0343-2546708
Telefax No. (0343) 2544915

9. Haldia Regional Office
Mouza : Raghunathchak, PS : Bhabanipur (Formerly Sutahata), PO : Barghasipur
Dist. Purba Medinipur, Pin : 721 657
Tel No. 03224-291293/94

10. Hooghly Regional Office
Himalaya Bhawan, Delhi Road, Dankuni, Hooghly, Pin : 712 311
Telefax No. 033-2659-0957

11. Howrah Regional Office
"Minority Bhawan", 5th Floor, 12, Biplabi Kanailal Bhattacharya Sarani, Alipore, Kolkata-700 027
Tel No. 033-2448-2219/2220

12. Kolkata Regional Office
Mani Square, Block No. 8IT, Western Side, 8th floor, 164/1, Maniktala Main Road, Kolkata-700 054
Tel No. 033-2320-0059 / 9836288884

13. Malda Regional Office
Paribesh Bhaban, Vill.: Abhirampur, P.O.: Mokdumpur, P.S.: English Bazar, Malda-732 103
Tel No. 03512-223449

14. Saltlake Regional Office
Mani Square, Block No. 8IT, Western Side, 8th floor, 164/1, Maniktala Main Road, Kolkata-700 054
Tel No. 2320-0097 / 9330869729

15. Siliguri Regional Office
Paribahan Nagar, P.O.: Matigara, Siliguri, Darjeeling, Pin-734 010
Tel No. 0353-257 1115
Telefax No. 0353-257 1113

18/08/2023

Member Secretary/ Chief Engineer,
West Bengal Pollution Control Board
(EIM CELL

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

ANNEXURE-I TO NOC SL No. NO180762

Special conditions issued for Expansion of Shakambhari Ispat & Power Limited plant for production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (maximum) along with allied facilities at Village: Parvatpur, Madandih, Radhamadabpur, P.O.: Bartoria, Tehsil: Raghunathpur, District: Purulia, West Bengal. (Application no. 4070929)

UNIT CONFIGURATION AND CAPACITY

Plant/Facilities	As per EC granted by MoEFCC on 21.12.2016 & its's Amendment on 29.04.2020		Proposed Units/Capacity Enhancement		Total after Expansion	
	Unit	Capacity TPA	Unit	Capacity in TPA	Unit	Capacity in TPA
Pellet Plant with Grinding Facility	1x1870TPD	582,000	Capacity Enhancement	268,000	1x2835TPD	850,000
Producer Gas Plant	-	-	6x4000 Nm^3/hr	24,000 Nm^3/hr	6x4000 Nm^3/hr	24,000 Nm^3/hr
Sponge Iron Plant	DRI Kiln 4x100TPD + 2x350TPD + 1x600TPD	128,000 224,000 192,000	Capacity Enhancement of 4x100TPD+ 2x350TPD+ 1x600TPD	30,400 (additional) 53,200 (additional) 45,600 (additional)	4x100TPD+ 2x350TPD+ 2x600TPD	910,800
		544,000	Additional 1x600TPD	237,600		
Blast Furnace with PCI	Mini Blast Furnace: 1x350m^3 Pig Casting Machine (PCM): 1x1500TPD	249,900	Capacity Enhancement of Mini Blast Furnace: 1x350m^3	166,600 (additional)	Mini Blast Furnace:1x350^3 PCM:1x1500TPD	416,500
Sinter Plant	1x20m^2	198,000	Sinter Plant of changed configuration 1x90m^2 will be installed	597,600 (additional)	1x90m^2	795,600
SMS – MS/SS Billets	IF: 9x25T LRF: 1x30T & CCM: 3x6/11	MS Billets 523,950	Capacity enhancement/ Product Modification + 1x25 Ton AOD	263,550 MS/SS Billets (additional)	IF: 9x25T LRF: 1x30T + 1x25 AOD & CCM: 3x6/11m	787,500 MS/SS Billets

18/08/2023

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

ANNEXURE-I TO NOC SL No. NO180762

Special conditions issued for Expansion of Shakambhari Ispat & Power Limited plant for production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (maximum) along with allied facilities at Village: Parvatpur, Madandih, Radhamadabpur, P.O.: Bartoria, Tehsil: Raghunathpur, District: Purulia, West Bengal. (Application no. 4070929)

Plant/Facilities	As per EC granted by MoEFCC on 21.12.2016 & its's Amendment on 29.04.2020		Proposed Units/Enhanced Capacities		Total after Expansion	
	Unit	Capacity TPA	Unit	Capacity in TPA	Unit	Capacity in TPA
Rolling Mill along with wire drawing facility	1000TPD	MS Long Products 300,000	1000TPD	360,000 MS/SS Long Products	2000TPD	660,000 MS/SS Long Products
Reheating Furnace	--	--	2x40TPH	--	2x40TPH	--
Oxygen Plant	225 TPD	--	--	--	225 TPD	--
Captive Power Plant	AFBC - 36 TPH	8.5 MW	--	--	AFBC - 36 TPH	8.5 MW
	CFBC - 100 TPH	25 MW	--	--	CFBC - 100 TPH	25 MW
	CFBC - 120 TPH	28.5 MW	--	--	CFBC - 120 TPH	28.5 MW
	WHRB @4x100TPD DRI - 40 TPH	8 MW	--	--	WHRB @4x100TPD DRI- 40 TPH	8 MW
	WHRB@2x350TPD DRI- 71 TPH	15 MW	--	--	WHRB @ 2x350TPD DRI-71TPH	15 MW
	WHRB @1x 600TPD DRI-64 TPH	14 MW	--	2 MW	WHRB @ 1x 600TPD DRI-64 TPH	16 MW
	--	--	WHRB @1x 600TPD DRI - 64TPH	16 MW	WHRB @ 1x 600TPD DRI -64TPH	16 MW
	--	--	BF Gas Based	9 MW	BF Gas Based	9 MW
	Total	**AFBC/CFBC-62MW WHRB- 37MW**	**Total**	**WHRB-18MW BF Gas Based-9MW**	**Total**	**AFBC/CFBC- 62 MW WHRB- 55 MW BF Gas based-9MW**
		99 MW		**27 MW**		**126 MW**

18/08/2023
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

ANNEXURE-I TO NOC SL No. NO180762

Special conditions issued for Expansion of Shakambhari Ispat & Power Limited plant for production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (maximum) along with allied facilities at Village: Parvatpur, Madandih, Radhamadabpur, P.O.: Bartoria, Tehsil: Raghunathpur, District: Purulia, West Bengal. (Application no. 4070929)

Plant/Facilities	As per EC granted by MoEFCC on 21.12.2016 & its's Amendment on 29.04.2020		Proposed Units/Enhanced Capacities		Total after Expansion	
	Unit	Capacity TPA	Unit	Capacity in TPA	Unit	Capacity in TPA
Iron Ore Beneficiation	--	0.63 MTPA	Configuration Change from 0.63MTPA to 1.0 MTPA	0.37 MTPA (additional)	--	1.0 MTPA
Coal Washery		0.74 MTPA	-	-	-	0.74 MTPA
Lime Plant	250TPD	80,000TPA	-	-	250TPD	80,000TPA
Ferro-Alloy Plant with Metal Recovery Plant	4x9MVA SEAF With Metal Recovery Plant	63,150TPA Fe-Mn or Si-Mn or Fe-Si or High Carbon Ferro Chrome or Pig Iron or in combination of any	Capacity Enhancement of 4x9MVA SAF + Additional installation of 4x9MV SAF	Fe-Mn-194,058 or Si-Mn- 142,848 or Fe-Si –64,282 or High Carbon Fe-Cr - 135,330 or Fe-Si-Cr– 88,664, or Pig Iron-214,272, or in combination of any	8x9MVA SAF With Metal Recovery Plant	Fe Mn- 194,058, or Si-Mn- 142,848 or Fe Si –64,282 or High Carbon Fe-Cr 135,330 or Fe-Si-Cr– 88,664, or Pig Iron-214,272 or in combination of any
Briquette Plant	--	--	1x 50 TPH	300,000	1x 50 TPH	300,000
Sinter Plant (Ferro Division)	--	--	1x600 TPD	216,000	1x600TPD	216,000

18/08/2023

Chief Engineer (EIM Cell)
West Bengal Pollution Control Board

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Annexure-II to NOC Sl. No. NO180762

Special conditions issued for Expansion of Shakambhari Ispat & Power Limited plant for production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (maximum) along with allied facilities at Village: Parvatpur, Madandih, Radhamadabpur, P.O.: Bartoria, Tehsil: Raghunathpur, District: Purulia, West Bengal. (Application No. 4070929)

A) **Emission: -**

Sl. No	Emission Sources	Air Pollution Control System	Stack Height from G.L. (in mts.)
1	Pellet Plant (0.85MTPA)	ESP	50
2	PCI Unit of Pellet Plant	Bag Filter	40
3	Sponge Iron Plant (DRI Kiln-1x600 TPD) followed by WHRB-64TPH (16MW)	ESP	72
4	I. Bin/PSB of (DRI Kiln 1x600 TPD)	Bag Filter & Stack common with I. Bin/PSB of existing DRI Kiln-1x600TPD	30
5	Day Bin (DRI Kiln 1x600 TPD)	Bag Filter & Stack common with Day Bin of existing 2x350 TPD DRI Kilns	30
6	Product House (DRI Kiln 1x600 TPD)	Bag Filter & Stack common with existing Product House of 1x600 & 2x350 TPD DRI Kiln	30
7	Iron Circuit (DRI Kiln 1x600 TPD)	Bag Filter & Stack common with Iron Circuit of 1x600 & 2x350 TPD DRI Kiln	30
8	Coal Circuit (DRI Kiln 1x600 TPD)	Bag Filter & Stack common with Coal Circuit of existing 1x600 TPD DRI Kiln	30
9	Mini Blast Furnace ($1x350m^3$)	Stack attached with Stoves	45
10	Cast House tapping from MBF	Bag Filter & Stack attached with spark arrestor & dust extraction hood at Cast House	35
11	PCI Unit of Mini Blast Furnace	Bag Filter	40
12	Sinter Plant ($1x90m^2$)	Head ESP attached with Sinter Machine	50
13	Sinter Plant Breaker & Sinter Screen at Tail end of Sinter M/c	Tail ESP attached Sinter Breaker & Sinter Screen	50
14	AOD Plant (1x25T) at SMS	Bag Filter & Spark Arrestor	35
15	Re-Heating Furnace-1 (1x40TPH)	Recuperator	30
16	Re-Heating Furnace-2(1x40TPH)	Recuperator	30
17	CFBC Boiler-120TPH (28.5MW)	ESP	92
18	CHP of CFBC Boiler (120TPH)	Bag Filter	30
19	Iron Ore Grinding Ball Mill for Iron Ore Beneficiation Plant	Bag Filter	30

18/09/2023.
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Annexure-II to NOC Sl. No. NO180762

Special conditions issued for Expansion of Shakambhari Ispat & Power Limited plant for production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (maximum) along with allied facilities at Village: Parvatpur, Madandih, Radhamadabpur, P.O.: Bartoria, Tehsil: Raghunathpur, District: Purulia, West Bengal. (Application No. 4070929)

20	Coal Grinding, Screening, Vibro Feeder of Coal Washery Unit	Bag Filter	30
21	Lime Plant	Bag Filter	32
22	Lime Plant's Screen House, Lime Size Unit, Lime delivery building, Material Storage building	Bag Filter	32
23	1x9MVA SAF No.-5	Forced Draft Cooler & Bag Filter	32
24	1x9MVA SAF No.-6	Forced Draft Cooler & Bag Filter	32
25	1x9MVA SAF No.-7	Forced Draft Cooler & Bag Filter	32
26	1x9MVA SAF No.-8	Forced Draft Cooler & Bag Filter	32
27	Sinter Plant (Ferro Division)	Cyclone Separator & Bag Filter	30
28	Briquette Plant (Ferro Division)	Cyclone Separator	30
28	DG Set (1010KVA) 14 Nos.	DG set to be provided with acoustic enclosure	6.5 mts above DG Room

1. Stacks should have sampling port, platform and ladder as per the Emission Regulation Part–III of CPCB. Continuous stack monitoring facilities should be provided with sponge iron units, ferro-alloy plant & CPP.
2. The emission levels from all emission sources connected with Air Pollution Control devices should be kept below 30mg / Nm^3.
3. Standards for sponge iron plant issued by MoEF&CC shall be strictly complied with.
4. The National Ambient Air Quality Emission Standards issued by MoEF&CC should be strictly complied with.
5. The unit shall not operate DRI kilns without WHRB-ESP operation.
6. Dry fog system and water sprinklers to be installed to arrest fugitive emission.
7. 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters to be installed. All the devices to be connected to WBPCB and CPCB servers.

B) <u>Effluent:</u> -

1. Process – Any process effluent generated will be treated in properly designed ETP. Treated effluent to be utilized within the plant premises.
2. DM plant reject/softeners backwash water should be taken to neutralization/homogenization tanks and to be utilized within the plant premises for dust suppression, ash conditioning, bed ash & slag cooling etc.
3. Cooling water to be recycled.
4. Domestic - to be discharged through septic tank to soak-pit within the unit premises. Sewage Treatment Plant of a suitable capacity shall also be installed for the treatment of domestic effluent. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
5. The unit should strictly follow ZLD concept.

18/08/2023.
Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Annexure-II to NOC Sl. No. NO180762

Special conditions issued for Expansion of Shakambhari Ispat & Power Limited plant for production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (maximum) along with allied facilities at Village: Parvatpur, Madandih, Radhamadabpur, P.O.: Bartoria, Tehsil: Raghunathpur, District: Purulia, West Bengal. (Application No. 4070929)

C) Solid Waste: -

1. Fly ash to be sold to cement manufacturing units/used for abandoned mine filling.
2. Dolo-char to be used in AFBC.
3. Bottom ash to be used for land filling and road making.
4. Induction furnace slag to be used for road making and land filling after metal recovery in slag crusher.
5. Ferro-manganese slag to be utilized for production of Silico-manganese. Silico-manganese slag to be used for road making and land filling.
6. Ferro-chrome slag to be disposed off in an environmentally safe manner.
7. Hazardous Waste to be collected and disposed of as per the Hazardous Wastes (Handling and Trans-boundary Movement) Rules, 2016.

D) General: -

1. Noise Control – Ambient noise & D.G. Set noise level not to exceed the permissible limit.
2. No additional machinery / equipments can be installed without permission from this board.
3. Adequate arrangement for dust suppression in raw material handling section to be provided.
4. At least 33% of the total project area should be under green belt.
5. Rain water harvesting must be done however recharging of harvested rain water is not allowed under any circumstances.
6. The 4th hole extraction system shall be provided in the SEAFs.
7. The conveyor belt for transferring materials to day bins to be covered.
8. Good house-keeping to be maintained.
9. Permission for extracting ground water, if any, must be obtained from the competent authority.
10. Project proponent should not undertake any activity on any portion of land which is not under their possession.
11. Land conversion certificate, if applicable, to be obtained from the competent authority before initiating expansion activity.
12. Conditions laid down in the Environmental Clearance obtained for the expansion project from MoEF&CC issued vide EC Identification No.-EC23A008WB179534 File No.-IA-J-11011/282/2021-IA-II(IND-I) dated 19/07/2023 must be strictly complied with.
13. All statutory licenses/permissions as applicable to be obtained from the competent authorities.
14. This NOC is valid up to 31.08.2030 for setting up the expansion project.

18/08/2023.

Chief Engineer (EIM Cell)
West Bengal Pollution Control Board

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

WEST BENGAL POLLUTION CONTROL BOARD

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

Consent Letter Number : CO134682

Memo Number : 311 - WPCB/Red/Ast/Cent/82/02

Date : 31/7/2023

Consent to Operate

under

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

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

M/s Shakambari Ispat & Power Ltd.

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

(hereinafter referred to as Applicant) for its unit located at Vill. - Madandih, P.O. - Bontonia, P.S. - Neturia, Dist. - Purulia, 723121

(Detailed address of the manufacturing unit)

for a period from 01-08-2023 to 31-07-2028

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

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

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

West Bengal Pollution Control Board (Seal) Asansol Regional Office

For and on behalf of the State Board

31/07/23

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

ANNEXURE

Consent to M/s. Shakambari Ispat & Power Ltd.
for its unit at Vill.- Madandih, P.O.- Bantonia, P.S.- Neturia,
Dist.- Purulia - 723121

Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Sponge Iron	5,44,000 MT/year.
02	Captive Power	70·5 MW
03	Fe-Mn OR Si-Mn OR Fe-Cr OR Fe-Si OR	63150 MT /year
04	Pig Iron OR in combination of any	
05	MS Billets	407520 MT / year.
06	TMT BAR & WIRE ROD	3,00,000 MT/year
07	Dolochar	9975 MT/month
08	Ferroo Manganese Slag	4735 MT/month
09		
10		
11		
12		

02. The *Applicant* shall remain responsible for quantity and quality of liquid effluent and air emissions.

03. **Daily** discharge of industrial liquid effluent shall not exceed — KL.

04. **Daily** discharge of domestic liquid effluent shall not exceed 45 KL.

05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed — KL.

06. The *Applicant* shall discharge liquid effluent to Soak Pit (place of discharge) through 01 (One) nos. outlets / outfalls.

07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.

08. The *Applicant* shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

31/07/15

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

Continued.....

onsent to M/s Shakambari Ispat & Power Ltd

for its unit at Vill.- Madandih, P.O.- Bantonia, P.S.- Neturia, Dist.- Purulia, - 723121

Table-I

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

WEST BENGAL

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

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

- Industrial cooling, spraying in mine pits and boiler feed water → 5342 KL
  (Water used for gardening should be included in this category of use)
- Domestic purpose → 56 KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → — KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → — KL

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

31/07/13

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

Continued.....

Consent to M/s. Shakambari Ispat & Power Ltd.

for its unit at Vill. - Madandih, P.O. - Bantonia, P.S. - Neturia, Dist. - Purulia

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board.*

12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to faciliate identification.

13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

* Please ref. to annexure - I

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

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

Continued.....

Consent to M/s Shakambari Ispat & Power Ltd.
for its unit at Vill.- Madandih, P.O.- Bantonia, P.S.- Netunia,
Dist.- Purulia, - 723121

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

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

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Coal	43975 MT/month	DRI KILN
02	COAL	13960 MT/month	Boilers
03	COKE	2895 MT/month	SEAF
04	Steam Coal	1160 MT/month	-
05	Charcoal	5265 MT/month	-

16. The *Applicant* shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :- Please ref. to annexure - II

Type of waste	Quantity	Treatment	Disposal

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

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 09 p.m.)	75
Night Time (09 p.m. to 06 a.m.)	70

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

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

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

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

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

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

31/07/18

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

Continued.....

Consent to ...M/s. Shakambari Ispat & Power Ltd.....

for its unit at ...Vill.- Madandih, P.O.- Bantonia, P.S.- Neturia,.....

.....Dist.- Purulia, 723121.....

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.

25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in ..... from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.

26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.

27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.

28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.

29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.

30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.

31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.

32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.

33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.

34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.

35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.

36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions

31/07/23

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

Annexure – II to CTO No. CO 134682

Special Conditions to M/s. Shakambari Ispat & Power Ltd., Vill – Madandih, PO – Bartoria, PS – Neturia, Dist. – Purulia, Pin – 723 121.

Table-II

Stack No.	Stack height from G.L. (in mts.)	Stack Attached to (sources and control system, if any)	Volume Nm^3/hr	Velocity of gas emission m/sec	Concentration of parameters not to exceed				Frequency of emission sampling
					PM (mg/Nm^3)	CO (%v/v)			
1	35.0 m	2x100 TPD DRI Kiln (1 & 2) followed by separate ESP and 2x10 TPH WHRB.	-	-	100	1	-	-	Quarterly
2.	35.0 m	2x100 TPD DRI Kiln (3 & 4) followed by separate ESP and 2x10 TPH WHRB.	-	-	100	1	-	-	Quarterly
3.	30.0 m	Bag Filter for Iron Circuit & Day Bin for 4x100 TPD DRI Kiln 1, 2, 3 & 4.	-	-	50	-	-	-	Quarterly
4.	30.0 m	Bag Filter for Coal Circuit for 4x100 TPD DRI Kiln 1, 2, 3 & 4	-	-	50	-	-	-	Quarterly
5.	30.0 m	Bag Filter for I. Bin & Product House for 4x100 TPD DRI Kiln 1, 2, 3 & 4	-	-	50	-	-	-	Quarterly
6.	72.0 m	2x350 TPD DRI (Kiln No. 5 & 6) followed by separate ESP and 2x35.5 TPH WHRB	-	-	50	-	-	-	Quarterly
7.	72.0 m	1x600 TPD DRI (Kiln No.7) followed by ESP and 1x64 TPH WHRB	-	-	50	-	-	-	Quarterly
8.	30.0 m	Bag Filter for I. Bin/PSB of DRI Kiln 2x350 TPD	-	-	50	-	-	-	Quarterly
9.	30.0 m	Bag Filter for I. Bin/PSB of DRI Kiln 1x600 TPD	-	-	50	-	-	-	Quarterly
10.	30.0 m	Bag Filter common for Day Bin of DRI Kiln 2x350 TPD & DRI 1x600 TPD	-	-	50	-	-	-	Quarterly
11.	30.0 m	Bag Filter common for Iron Circuit of DRI Kiln 2x350TPD & DRI 1x600 TPD (Kiln 5, 6 & 7)	-	-	50	-	-	-	Quarterly
12.	30.0 m	Bag Filter for Coal Circuit of DRI Kiln 2x350 TPD	-	-	50	-	-	-	Quarterly
13.	30.0 m	Bag Filter for Coal Circuit of DRI Kiln 1x600 TPD	-	-	50	-	-	-	Quarterly

14.	30.0 m	Bag Filter common for Product House of DRI Kiln 2x350 TPD & DRI 1x600TPD	-	-	50	-	-	-	Quarterly
15.	30.0 m	7x25T Induction Furnace with three (03) nos. of Bag Filters Hoppers	-	-	50	1	-	-	Quarterly
16.	32.0 m	FDC & Bag filter (SAF-I, 9 MVA)	-	-	50	1	-	-	Quarterly
17.	32.0 m	FDC & Bag filter (SAF-II, 9 MVA)	-	-	50	1	-	-	Quarterly
18.	32.0 m	FDC & Bag filter (SAF-III, 9 MVA)	-	-	50	1	-	-	Quarterly
19.	32.0 m	FDC & Bag filter (SAF-IV, 9 MVA)	-	-	50	1	-	-	Quarterly
20.	60.0 m	ESP of AFBC Boiler (36TPH)	-	-	30	-	-	-	Quarterly
21.	30.0 m	Bag Filter of CHP for AFBC Boiler	-	-	50	-	-	-	Quarterly
22.	92.0 m	ESP of CFBC Boiler (100TPH)	-	-	30	-	-	-	Quarterly
23.	30.0 m	Bag Filter of CHP for CFBC Boiler	-	-	50	-	-	-	Quarterly

31/07/13

Environmental Engineer
Asansol Regional Office

Annexure – III to CTO No. CO 134682

Special Conditions to M/s. Shakambari Ispat & Power Ltd., Vill – Madandih, PO – Bartoria, PS – Neturia, Dist. – Purulia, Pin – 723 121.

Type of Waste	Quantity (TPM)	Treatment	Disposal
IF Bag Filter Dust	680	-	Shall be used for landfilling
MS scale from CCM from SMS	340	-	Shall be reused in induction furnace/shall be used for producing Fe-Si or Fe-Si-Cr.
IF Slag	4585	-	Shall be used as aggregates for landfilling/road making after metal recovery
End Cuts/Mis roll from Rolling Mill	845	-	Shall be reused in IF
Mill Scale from Rolling Mills	196	-	Shall be used in IF/provided to recyclers
Dolochar from DRI	9975	-	Shall be used for captive power generation if AFBC/CFBC boilers
Wet Scrapper Sludge from DRI	450	-	Shall be used in CPP for power generation.
Bag Filter Dust from DRI	2950	-	Coal Dust shall be used in CPP and Iron dust shall be provided to the pellet plant
Bottom ash from CFBC & AFBC boiler	3800	-	Shall be used for land filling/provided to brick manufacturing units
Fly-ash/ESP dust from CFBC, AFBC & DRI	18000	-	Shall be provided bricks & cement manufacturing units/used for abandoned mines filling.
From Ferro Alloys division: Fe-Mn Slag OR	4740	-	Shall be used for the production of Si-Mn.
Si-Mn Slag OR	4475	-	Shall be used for construction of roads or filling of low-lying area
Fe-Si. Slag OR	265	-	Shall be used in Ind. Furnace
Fe-Cr Slag OR	4740	-	Slag shall be further processed in a grinding and Metal Recovery Plant and shall be used for construction purposes after the TCLP test
Pig Iron Slag	2630	-	Shall be sold to cement manufacturers

Type of Waste	Quantity (TPM)	Treatment	Disposal
Bag Filter Dust from Ferro Division	265	-	Shall be recycled in process/ provided for sintering, Briquetting, in Cement plant & concreting according to quality of dust

31/07/13

Environmental Engineer
Asansol Regional Office

ANNEXURE- 7

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Shakambhari Ispat& Power Ltd.			Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023			
					Period of Analysis	:	16.09.2023 – 19.09.2023			
					Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/I	Report No.	:	ENV/66/Sep./TR(A)/I/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	AFBC Boiler			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	60.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.1
Capacity	:	36 TPH	Height of sampling port (mtr.) (from G.L.)	:	20.0
Emission Due to	:	Combustion of Coal & Dolochar			
Fuel Used	:	Coal & Dolochar	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Coal – 150 TPD & Dolochar – 132TPD			
Pollution Control Device	:	E.S.P			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS : 11255 (Part 1)	:	152.0
2.	Barometric Pressure	mm of Hg.	--	:	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.44
4.	Quantity of Gas flow	$Nm^3/hr.$	IS : 11255 (Part III)	:	90510.76
5.	Concentration of SO_2 (at 6% O_2)	mg/Nm^3	IS 11255 (Part 2) : 2019	:	311.65
6.	Concentration of NO_x (at 6% O_2)	mg/Nm^3	IS 11255 (Part 7) : 2017 / ASTM D 1608-98, Sec. 11 (Vol. 11.07) : 2017	:	145.43
7.	Concentration of CO_2	% (v/v)	IS 13270 : 2019	:	10.2
8.	Concentration of O_2	% (v/v)	EPA Method 3 : 2017	:	8.4
9.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0
10.	a) Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11	:	24.47
	b) Concentration of Particulate Matter (at 6% O_2)	mg/Nm^3	(Vol.11.07) : 2017	:	29.12

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023			
					Period of Analysis	:	16.09.2023 – 19.09.2023			
					Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/II	Report No.	:	ENV/66/Sep./TR(A)/II/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln (No. 1 & 2) (100 TPD each) (attached to common Stack)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	35.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.0
Capacity	:	100 TPD (each)	Height of sampling port (mtr.) (from G.L.)	:	15.0
Emission Due to	:	Combustion of Coal & Reduction of Fe-Ore			
Fuel Used	:	Coal	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	5.12 MT/hr./Kiln			
Pollution Control Device	:	W.H.R.B with E.S.P			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^0C	IS : 11255 (Part 1)	:	156.0
2.	Barometric Pressure	mm of Hg.	--	:	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.47
4.	Quantity of Gas flow	$Nm^3/hr.$	IS : 11255 (Part III)	:	80063.93
5.	Concentration of SO_2	mg/Nm^3	IS 11255 (Part 2) : 2019	:	610.90
6.	Concentration of CO_2	% (v/v)	IS 13270 : 2019	:	10.8
7.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0
8.	a) Concentration of Particulate Matter (at 10.8% CO_2)	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11	:	38.51
	b) Concentration of Particulate Matter (at 12% CO_2)		(Vol.11.07) : 2017	:	42.78

Remarks : Result relates only to the sample tested.
: During monitoring both kilns were in operation.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/III	Report No.	:	ENV/66/Sep./TR(A)/III/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln (No. 3 & 4) (attached to common Stack)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	35.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.0
Capacity	:	100 TPD	Height of sampling port (mtr.) (from G.L.)	:	15.0
Emission Due to	:	Combustion of Coal & Reduction of Fe-Ore			
Fuel Used	:	Coal	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	5.12 MT/hr./Kiln			
Pollution Control Device	:	E.S.P with W.H.R.B			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^0C	IS : 11255 (Part 1)	:	154.0
2.	Barometric Pressure	mm of Hg.	--	:	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.44
4.	Quantity of Gas flow	$Nm^3/hr.$	IS : 11255 (Part III)	:	80193.57
5.	Concentration of SO_2	mg/Nm^3	IS 11255 (Part 2) : 2019	:	450.90
6.	Concentration of CO_2	% (v/v)	IS 13270 : 2019	:	11.0
7.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0
8.	a) Concentration of Particulate Matter (at 11% CO_2)	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11	:	21.20
	b) Concentration of Particulate Matter (at 12% CO_2)		(Vol.11.07) : 2017	:	23.12

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/IV	Report No.	:	ENV/66/Sep./TR(A)/IV/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln No. 7 (1 x 600 TPD)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	72.0
Materials of Construction	:	RCC	Stack I.D. at sampling point (mtr.)	:	2.17
Capacity	:	600 TPD	Height of sampling port (mtr.) (from G.L.)	:	35.0
Emission Due to	:	Combustion of Coal & Reduction of Fe-Ore			
Fuel Used	:	Coal	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	13.5 TPH/hr.			
Pollution Control Device	:	E.S.P			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS : 11255 (Part 1)	:	204.0
2.	Barometric Pressure	mm of Hg.	--	:	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	11.02
4.	Quantity of Gas flow	$Nm^3/hr.$	IS : 11255 (Part III)	:	89087.66
5.	Concentration of SO_2	mg/Nm^3	IS 11255 (Part 2) : 2019	:	352.54
6.	Concentration of CO_2	% (v/v)	IS 13270 : 2019	:	11.6
7.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0
8.	a) Concentration of Particulate Matter (at 11.6% CO_2)	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11	:	17.91
	b) Concentration of Particulate Matter (at 12% CO_2)	mg/Nm^3	(Vol.11.07) : 2017	:	18.80

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/V	Report No.	:	ENV/66/Sep./TR(A)/V/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Rotary Kiln No. 5 &6 (2 x 350 TPD) (attached to common Stack)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	72.0
Materials of Construction	:	RCC	Stack I.D. at sampling point (mtr.)	:	2.60
Capacity	:	350 TPD (each)	Height of sampling port (mtr.) (from G.L.)	:	51.2
Emission Due to	:	Oxidation of Coal & Reduction of Fe-Ore			
Fuel Used	:	Coal	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	13.5 TPH/Kiln			
Pollution Control Device	:	W.H.R.B with E.S.P			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS : 11255 (Part 1)	:	182.0
2.	Barometric Pressure	mm of Hg.	--	:	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.88
4.	Quantity of Gas flow	$Nm^3/hr.$	IS : 11255 (Part III)	:	132521.01
5.	Concentration of SO_2	mg/Nm^3	IS 11255 (Part 2) : 2019	:	333.33
6.	Concentration of CO_2	% (v/v)	IS 13270 : 2019	:	11.4
7.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0
8.	a) Concentration of Particulate Matter (at 11.4% CO_2)	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11	:	22.45
	b) Concentration of Particulate Matter (at 12% CO_2)		(Vol.11.07) : 2017	:	26.02

Remarks : Result relates only to the sample tested.
: During monitoring both kilns were in operation

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	14.09.2023			
					Period of Analysis	:	16.09.2023 – 19.09.2023			
					Date of Issue	:	21.09.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/VI	Report No.	:	ENV/66/Sep./TR(A)/VI/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	CFBC Boiler			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	92.0
Materials of Construction	:	RCC	Stack I.D. at sampling point (mtr.)	:	2.60
Capacity	:	100 TPH	Height of sampling port (mtr.) (from G.L.)	:	51.2
Emission Due to	:	Combustion of Coal &Dolochar			
Fuel Used	:	Coal &Dolochar	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Coal – 12.5MT/hr.&Dolochar – 8.33 MT/hr.			
Pollution Control Device	:	E.S.P			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS : 11255 (Part 1)	:	187.0
2.	Barometric Pressure	mm of Hg.	--	:	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	12.52
4.	Quantity of Gas flow	Nm^3/hr.	IS : 11255 (Part III)	:	150897.05
5.	Concentration of SO_2 (at 6% O_2)	mg/Nm^3	IS 11255 (Part 2) : 2019	:	206.23
6.	Concentration of NO_x (at 6% O_2)	mg/Nm^3	IS 11255 (Part 7) : 2017 / ASTM D 1608-98, Sec. 11 (Vol. 11.07) : 2017	:	125.21
7.	Concentration of CO_2	% (v/v)	IS 13270 : 2019	:	11.0
8.	Concentration of O_2	% (v/v)	EPA Method 3 : 2017	:	8.0
9.	Concentration of CO	%(v/v)	IS 13270 : 2019	:	<1.0
10.	a) Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11	:	20.54
	b) Concentration of Particulate Matter (at 6% O_2)	mg/Nm^3	(Vol.11.07) : 2017	:	24.06

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/VII	Report No.	:	ENV/66/Sep./TR(A)/VII/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.1)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	32.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.80
Capacity	:	9.0 MVA	Height of sampling port (mtr.) (from G.L.)	:	22.0
Emission Due to	:	Reduction of Si-Mn Ore			
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	F. D. Cooler and Pulse Jet Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS 11255 (Part 1)	:	72.0
2.	Barometric Pressure	mm of Hg.	--	:	756.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	7.80
4.	Quantity of Gas flow	$Nm^3/hr.$	IS 11255 (Part III)	:	61327.96
5.	Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	:	11.01

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/VIII	Report No.	:	ENV/66/Sep./TR(A)/VIII/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.2)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	32.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.80
Capacity	:	9.0 MVA	Height of sampling port (mtr.) (from G.L.)	:	22.0
Emission Due to	:	Reduction of Si-Mn Ore			
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	F. D. Cooler and Pulse Jet Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS 11255 (Part 1)	:	74.0
2.	Barometric Pressure	mm of Hg.	--	:	756.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	7.82
4.	Quantity of Gas flow	$Nm^3/hr.$	IS 11255 (Part III)	:	61119.50
5.	Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	:	11.78

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/IX	Report No.	:	ENV/66/Sep./TR(A)/IX/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.3)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	32.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.80
Capacity	:	9.0 MVA	Height of sampling port (mtr.) (from G.L.)	:	22.0
Emission Due to	:	Reduction of Si-Mn Ore			
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	F. D. Cooler and Pulse Jet Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS 11255 (Part 1)	:	69.0
2.	Barometric Pressure	mm of Hg.	--	:	756.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	7.76
4.	Quantity of Gas flow	$Nm^3/hr.$	IS 11255 (Part III)	:	61548.66
5.	Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	:	15.22

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.		Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121		Sampling Date	:	15.09.2023	
				Period of Analysis	:	16.09.2023 – 19.09.2023	
				Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	: Stack Emission
Sample Condition	:	Sealed	Sample ID No. : ENV/66/Sep./A/X	Report No.	:	ENV/66/Sep./TR(A)/X/23-24	

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.4)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	32.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.80
Capacity	:	9.0 MVA	Height of sampling port (mtr.) (from G.L.)	:	22.0
Emission Due to	:	Reduction of Si-Mn Ore			
Fuel Used	:	N.A. (Electrically Operated)	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	F. D. Cooler and Pulse Jet Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{O}C	IS 11255 (Part 1)	:	71.0
2.	Barometric Pressure	mm of Hg.	--	:	756.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	7.79
4.	Quantity of Gas flow	$Nm^3/hr.$	IS 11255 (Part III)	:	61416.0
5.	Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	:	12.45

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.				Type of Industry	:	Steel & Power Unit		
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121				Sampling Date	:	15.09.2023		
						Period of Analysis	:	16.09.2023 – 19.09.2023		
						Date of Issue	:	21.09.2023		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission		
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XI	Report No.	:	ENV/66/Sep./TR(A)/XI/23-24		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Hoods Over Induction Furnace (6 nos.) attached to common stack			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.0
Capacity	:	25 MT/Heat(each furnace)	Height of sampling port (mtr.) (from G.L.)	:	19.0
Emission Due to	:	Melting of Pig Iron, Sponge Iron and Scrap			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Yes			
Pollution Control Device	:	Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS 11255 (Part 1)	:	62.0
2.	Barometric Pressure	mm of Hg.	--	:	756.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	9.40
4.	Quantity of Gas flow	$Nm^3/hr.$	IS 11255 (Part III)	:	23519.72
5.	Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	:	14.64

Remarks : Result relates only to the sample tested.
: During monitoring all furnaces were in operation.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	ShakambhariIspat& Power Ltd.			Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121			Sampling Date	:	15.09.2023	
					Period of Analysis	:	16.09.2023 – 19.09.2023	
					Date of Issue	:	21.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/66/Sep./A/XII	Report No.	:	ENV/66/Sep./TR(A)/XII/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Product House of (100 TPD) DRI			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	30.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.8
Capacity	:	--	Height of sampling port (mtr.) (from G.L.)	:	--
Emission Due to	:	Process			
Fuel Used	:	Nil	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Yes			
Pollution Control Device	:	Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	^{0}C	IS 11255 (Part 1)	:	64.0
2.	Barometric Pressure	mm of Hg.	--	:	756.0
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	7.70
4.	Quantity of Gas flow	$Nm^3/hr.$	IS 11255 (Part III)	:	12242.74
5.	Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	:	25.98

Remarks : Result relates only to the sample tested.
: During monitoring all furnaces were in operation.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

ANNEXURE- 8A

ECL

EASTERN COALFIELDS LIMITED
(A Subsidiary of Coal India Ltd.)
Office of the General Manager, Sodepur Area
P.O. – Sunderchak, P.S - Kulti,
Dt. Paschim Bardhhaman (W.B), Pin-713 360
Website – www.easterncoal.gov.in

Dated: - 24.02.2022

To
The Authority of Sakhambhari Ispat & Power Limited
Vill: Madandih
P.O: Bartoria
Dist: Purulia
Pin: 723121

Dear Sir,

In response to your letter dated: 18.02.2022, as per discussion with you, you are hereby requested to fill up an illegally Mined place at Bicched Bandh area near Narsamuda Colliery of Sodepur Area, ECL with fly ash, with active help of State Administration.

Yours faithfully

24/02/2022

Area Personnel Manager
Sodepur Area

ANNEXURE- 8B

B.S.C REFRACTORIES AND CERAMICS

Mob.: 9434071611
8145812111

Jamuria Industrial Estate P.O. - Mondalpur, Ward No.- 13, Burdwan (W.B.) Pin - 713336

AGREEMENT

Ref. No. Date :...12:05:2015.....

This agreement hereinafter referred to as ("the Agreement) made on this the first day of May, Two Thousand Fifteen by and **M/s. Shakambhari Ispat & Power Ltd.**, a company incorporated under the companies Act,1956 and having its registered office at Diamond Prestige Building, 41A, A.J.C.Bose Road, 8th Floor, Room No. 801, Kolkata 700017 hereinafter referred to as **SIPL** (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successor or successors and permitted assigns) of the **ONE** Part and **M/s B.S.C. Refractories & Ceramics**, a partnership firm and having its Office at Jamuria Industrial Estate, P.O. Mandalpur, Ward No. 13, Burdwan - 713336 (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successor or successors and permitted assigns) of the **OTHER** Part

Whereas, the First Party had offered "Fly Ash" to **M/s B.S.C. Refractories & Ceramics** generated from the Proposed AFBC Boiler at the Captive Power Plant of SIPL. The rate of the Fly Ash will be decided fortnightly.

Whereas **M/s B.S.C. Refractories & Ceramics** shall arrange to place vehicle for lifting of the Fly Ash on daily basis and will pay the freight to the transporter/truck driver as per lorry receipt and at actual being the charges from Unit of SIPL, Neturia to the unit of **M/s B.S.C. Refractories & Ceramics,** Jamuria Industrial Estate, Burdwan. Vehicles carrying Fly Ash shall be emptied and release at earliest.

M/s B.S.C. Refractories & Ceramics will utilize the Fly Ash towards manufacturing of Fly Ash Bricks at its factory at Jamuria Industrial Estate.

Period of Agreement: This agreement shall remain in force for a period of 10 years from the date of Commissioning of the Proposed Captive Power Plant of SIPL.

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

In witness thereof the parties here to have executed this above written Agreement on the first day of May Two Thousand and Fifteen.

Signed and delivered by the above
B.S.C. Refractories & Ceramics:
Kailash Kumar Agarwala

Name: Kailash Agarwal
Degn : Partner Partner
M/s B.S.C. Refractories & Ceramics

Signed and delivered by the above
Shakambhari Ispat & Power Ltd.

Name: Vinay Kumar Agarwal
Degn: Director Director
Shakambhari Ispat & Power Ltd.

In presence of:

Witness No. 1: Ayush Agarwala
Ayush Agarwala

Witness No. 2: Sunil Das

ANNEXURE- 9A,9B &9C

FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	:	Shakambhari Ispat & Power Ltd.		Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121		Sampling Date	:	15.09.2023	
				Period of Analysis	:	16.09.2023 – 26.09.2023	
				Date of Issue	:	28.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	: Ground Water
Location	:	Tubewell of Madandih Village	Sample Condition	:	Sealed	Sample ID No.	: ENV/398/Sep./W/M(i)
Report No.	:	ENV/398/Sep./TR(W)/M(i)/23-24					

	PARAMETERS	METHOD	UNIT	RESULTS
1.	Colour	APHA 23rd Ed., 3111 B : 2017	Hazen	1.0
2.	Odour	APHA 23rd Ed., 2150 B : 2017	--	Odourless
3.	pH	APHA 23rd Ed., 4500 – H^+B : 2017	--	6.80
4.	Taste	APHA 23rd Ed., 2160 B : 2017	--	Acceptable
5.	Turbidity	APHA 23rd Ed., 2130 B : 2047	NTU	6.80
6.	Total Dissolved Solids	APHA 23rd Ed., 2540 B : 2017	mg./l	610.0
7.	Calcium	APHA 23rd Ed., 3500 Ca-B : 2017	mg./l	48.10
8.	Chloride	APHA 23rd Ed., 4500 Cl-B/D : 2017	mg./l	40.84
9.	Iron	APHA 23rd Ed., 3111 B : 2017	mg./l	0.61
10.	Magnesium	APHA 23rd Ed., 3500 Mg-B : 2017	mg./l	9.6
11.	Nitrate	APHA 23rd Ed., NO_3-E : 2017	mg./l	1.60
12.	Sulphate	APHA 23rd Ed., 4500 SO_4-E : 2017	mg./l	41.50
13.	Total Alkalinity	APHA 23rd Ed., 2320 B : 2017	mg./l	170.0
14.	Total Hardness	APHA 23rd Ed., 2340 C : 2017	mg./l	48.10
15.	Arsenic	IS 3025 (Part 37) : 1988 : 2014	mg./l	<0.01
16.	Chromium	APHA 23rd Ed., 3111 Cr-B : 2017	mg./l	<0.02
17.	Boron	APHA 23rd Ed., 4500 B-C : 2017	mg./l	<0.1

Remarks : a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.
b) Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	:	Shakambhari Ispat & Power Ltd.		Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121		Sampling Date	:	15.09.2023	
				Period of Analysis	:	16.09.2023 – 26.09.2023	
				Date of Issue	:	28.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	: Ground Water
Location	:	Tubewell of Erakusum Village	Sample Condition	:	Sealed	Sample ID No.	: ENV/398/Sep./W/M(ii)
Report No.	:	ENV/398/Sep./TR(W)/M(ii)/23-24					

	PARAMETERS	METHOD	UNIT	RESULTS
1.	Colour	APHA 23rd Ed., 3111 B : 2017	Hazen	1.0
2.	Odour	APHA 23rd Ed., 2150 B : 2017	--	Odourless
3.	pH	APHA 23rd Ed., 4500 – H^+B : 2017	--	6.92
4.	Taste	APHA 23rd Ed., 2160 B : 2017	--	Acceptable
5.	Turbidity	APHA 23rd Ed., 2130 B : 2047	NTU	1.80
6.	Total Dissolved Solids	APHA 23rd Ed., 2540 B : 2017	mg./l	680.0
7.	Calcium	APHA 23rd Ed., 3500 Ca-B : 2017	mg./l	76.10
8.	Chloride	APHA 23rd Ed., 4500 Cl-B/D : 2017	mg./l	45.38
9.	Iron	APHA 23rd Ed., 3111 B : 2017	mg./l	0.68
10.	Magnesium	APHA 23rd Ed., 3500 Mg-B : 2017	mg./l	9.8
11.	Nitrate	APHA 23rd Ed., NO_3-E : 2017	mg./l	2.80
12.	Sulphate	APHA 23rd Ed., 4500 SO_4-E : 2017	mg./l	46.80
13.	Total Alkalinity	APHA 23rd Ed., 2320 B : 2017	mg./l	180.0
14.	Total Hardness	APHA 23rd Ed., 2340 C : 2017	mg./l	180.0
15.	Arsenic	IS 3025 (Part 37) : 1988 : 2014	mg./l	<0.01
16.	Chromium	APHA 23rd Ed., 3111 Cr-B : 2017	mg./l	<0.02
17.	Boron	APHA 23rd Ed., 4500 B-C : 2017	mg./l	<0.1

Remarks : a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.
b) Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

<End of Report>

FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	ShakambhariIspat& Power Ltd.		Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121		Sampling Date	:	15.09.2023	
				Period of Analysis	:	16.09.2023 – 26.09.2023	
				Date of Issue	:	28.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	: Industrial Effluent Water (Grab)
Location	:	E.T.P Outlet	Sample Condition	:	Sealed	Sample ID No.	: ENV/23/Sep./W/II
Report No.	:	ENV/23/Sep./TR(W)/II/23-24					

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	4500 H^+B APHA 23rd Edition, 2017	-	6.95	5.5 – 9.0
2.	Total Suspended solids	2540 D APHA 23rd Edition, 2017	mg/l	31.11	100.0
3.	Oil & Grease	5520 B/D APHA 23rd Edition, 2017	mg/l	4.2	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23rd Edition, 2017	mg/l	163.2	250.0
5.	Biochemical Oxygen Demand for 5 days at 20^0C	5210 B APHA 23rd Edition, 2017	mg/l	<2.0	30.0

Remarks : a) Result shows that above tested parameters are beyond limit except pH and Oil & Grease value as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

b) Result relates only to the sample tested.

c) Sample collected by Envirocheck and sent lab for testing in sealed condition.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	ShakambhariIspat& Power Ltd.		Type of Industry	:	Steel & Power Unit	
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121		Sampling Date	:	15.09.2023	
				Period of Analysis	:	16.09.2023 – 26.09.2023	
				Date of Issue	:	28.09.2023	
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	: Industrial Effluent Water (Grab)
Location	:	Recycling Water of D. M. Plant	Sample Condition	:	Sealed	Sample ID No.	: ENV/23/Sep./W/III
Report No.	:	ENV/23/Sep./TR(W)/III/23-24					

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	4500 H^+B APHA 23rd Edition, 2017	-	6.92	5.5 – 9.0
2.	Total Suspended solids	2540 D APHA 23rd Edition, 2017	mg/l	12.0	100.0
3.	Oil & Grease	5520 B/D APHA 23rd Edition, 2017	mg/l	<1.0	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23rd Edition, 2017	mg/l	19.2	250.0
5.	Biochemical Oxygen Demand for 5 days at 20^0C	5210 B APHA 23rd Edition, 2017	mg/l	<2.0	30.0

Remarks : a) Result shows that above tested parameters are beyond limit except pH and Oil & Grease value as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

b) Result relates only to the sample tested.

c) Sample collected by Envirocheck and sent lab for testing in sealed condition.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	ShakambhariIspat& Power Ltd.	Type of Industry	:	Steel & Power Unit
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121	Sampling Date	:	15.09.2023
			Period of Analysis	:	16.09.2023 – 26.09.2023
			Date of Issue	:	28.09.2023

Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Surface Water			
Location	:	Madandih Village Road	Sample Condition	:	Sealed	Sample ID No.	:	ENV/23/Sep./W/IV			
Report No.	:	ENV/23/Sep./TR(W)/IV/23-24									

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	APHA 23rd Ed., 4500 H^+B : 2017	-	7.13
2.	Total Suspended Solids	APHA 23rd Ed., 2540 D : 2017	mg/l	20.0
3.	Total Dissolved Solids	IS 3025 (Part 16) : 1984 : 2014	mg/l	280.0
4.	Dissolved Oxygen	APHA 23rd Ed., 4500 – OC : 2017	mg/l	7.4
5.	COD	APHA 23rd Ed., 5220 B/C/D : 2017	mg/l	19.2
6.	BOD [5 Day's at 20^0C]	APHA 23rd Ed., 5210 B : 2017	mg/l	4.0
7.	Oil & Grease	APHA 23rd Ed., 5520 B/D/ : 2017	mg/l	<1.0
8.	Residual Chlorine	APHA 23rd Ed., Cl-B : 2017	mg/l	<0.04
9.	Chloride	APHA 23rd Ed., 4500 Cl-B/D : 2017	mg/l	16.78
10.	Iron	APHA 23rd Ed., 3111 B : 2017	mg/l	0.68
11.	Arsenic	APHA 23rd Ed., 3114 B : 2017	mg/l	<0.01
12.	Lead	APHA 23rd Ed., 3111 B : 2017	mg/l	<0.005
13.	Mercury	APHA 23rd Ed., 3112 B : 2017	mg/l	<0.001
14.	Copper	APHA 23rd Ed., 3111 B : 2017	mg/l	0.07
15.	Zinc	APHA 23rd Ed., 3111 B : 2017	mg/l	0.12
16.	Total Chromium	APHA 23rd Ed., 3111 B : 2017	mg/l	<0.02

Remarks : a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.
b) Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	ShakambhariIspat& Power Ltd.	Type of Industry	:	Steel & Power Unit
Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121	Sampling Date	:	15.09.2023
			Period of Analysis	:	16.09.2023 – 26.09.2023
			Date of Issue	:	28.09.2023

Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Surface Water			
Location	:	Erakusum Village Road	Sample Condition	:	Sealed	Sample ID No.	:	ENV/23/Sep./W/V			
Report No.	:	ENV/23/Sep./TR(W)/V/23-24									

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	APHA 23rd Ed., 4500 H^+B : 2017	-	7.15
2.	Total Suspended Solids	APHA 23rd Ed., 2540 D : 2017	mg/l	32.0
3.	Total Dissolved Solids	IS 3025 (Part 16) : 1984 : 2014	mg/l	260.0
4.	Dissolved Oxygen	APHA 23rd Ed., 4500 – OC : 2017	mg/l	7.0
5.	COD	APHA 23rd Ed., 5220 B/C/D : 2017	mg/l	19.2
6.	BOD [5 Day's at 20^0C]	APHA 23rd Ed., 5210 B : 2017	mg/l	4.0
7.	Oil & Grease	APHA 23rd Ed., 5520 B/D/ : 2017	mg/l	<1.0
8.	Residual Chlorine	APHA 23rd Ed., Cl-B : 2017	mg/l	<0.04
9.	Chloride	APHA 23rd Ed., 4500 Cl-B/D : 2017	mg/l	19.06
10.	Iron	APHA 23rd Ed., 3111 B : 2017	mg/l	0.75
11.	Arsenic	APHA 23rd Ed., 3114 B : 2017	mg/l	<0.01
12.	Lead	APHA 23rd Ed., 3111 B : 2017	mg/l	<0.005
13.	Mercury	APHA 23rd Ed., 3112 B : 2017	mg/l	<0.001
14.	Copper	APHA 23rd Ed., 3111 B : 2017	mg/l	<0.04
15.	Zinc	APHA 23rd Ed., 3111 B : 2017	mg/l	0.24
16.	Total Chromium	APHA 23rd Ed., 3111 B : 2017	mg/l	<0.02

Remarks : a) Sample collected by Envirocheck and sent to lab for testing in sealed condition.
b) Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

<End of Report>

ANNEXURE-10A&10B

NOISE MONITORING REPORT

Shakambhari Ispat & Power Limited

Vill. – Madandih, P.O – Bartoria, P.S – Neturia, District – Purulia, Pin – 723121

MONITORED BY :
ENVIROCHECK
189, Rastraguru Avenue,
Calcutta - 700 028

Report No : ENV/16/Sep/(TR)N/I/2023-2024

Sampling Locations :	Near Main Gate (Southern Side)	Date of Study :	14/09/2023
Category :	Steel & Power Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L_{min}	L_{max}	L_{eq}	Day time L_{eq}
6:00 AM to 7:00 AM	64.5	69.6	67.98	
7:00 AM to 8:00 AM	60.2	64.8	63.89	
8:00 AM to 9:00 AM	65.6	68.4	66.91	
9:00 AM to 10:00 AM	63.1	68.2	66.15	
10:00 AM to 11:00 AM	60.2	66.6	63.67	
11:00 AM to 12:00 PM	67.9	75.3	73.02	
12:00 PM to 1:00 PM	66.1	73.8	71.47	
1:00 PM to 2:00 PM	65.9	72.8	70.60	67.72
2:00 PM to 3:00 PM	64.7	72.1	69.82	
3:00 PM to 4:00 PM	64.9	68.6	65.96	
4:00 PM to 5:00 PM	63.9	70.8	65.15	
5:00 PM to 6:00 PM	61.3	64.6	63.15	
6:00 PM to 7:00 PM	60.5	63.2	62.67	
7:00 PM to 8:00 PM	60.0	62.5	61.89	
8:00 PM to 9:00 PM	63.8	65.9	64.98	
9:00 PM to 10:00 PM	64.2	66.7	65.63	

Date of Study :	14/09/2023 to 15/09/2023	Night time :	10 PM to 6 AM

Time(hrs.)	L_{min}	L_{max}	L_{eq}	Night time L_{eq}
10:00 PM to 11:00 PM	60.4	63.7	62.78	
11:00 PM to 12:00 AM	62.3	64.5	63.90	
12:00 AM to 1:00 AM	63.4	66.1	64.89	
1:00 AM to 2:00 AM	60.8	64.5	63.67	64.11
2:00 AM to 3:00 AM	61.6	66.1	63.28	
3:00 AM to 4:00 AM	60.2	68.5	66.81	
4:00 AM to 5:00 AM	61.3	64.6	63.15	
5:00 AM to 6:00 AM	60.5	63.2	62.67	

L_{min} : Minimum Noise level L_{max} :Maximum Noise level L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 20/09/2023

Kolkata 700 028 ENVIROCHECK 189, Rashtraguru Avenue

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

NOISE MONITORING REPORT

Shakambhari Ispat & Power Limited

Vill. – Madandih, P.O – Bartoria, P.S – Neturia, District – Purulia, Pin – 723121

MONITORED BY :
ENVIROCHECK
189, Rastraguru Avenue,
Calcutta - 700 028

Report No : ENV/16/Sep/(TR)N/II/2023-2024

Sampling Locations :	Behind the AFBC Boiler House (Western Side)	Date of Study :	14/09/2023
Category :	Steel & Power Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L_{min}	L_{max}	L_{eq}	Day time L_{eq}
6:00 AM to 7:00 AM	60.7	66.2	63.26	
7:00 AM to 8:00 AM	62.5	65.6	63.48	
8:00 AM to 9:00 AM	53.7	64.2	60.10	
9:00 AM to 10:00 AM	60.8	63.1	62.85	
10:00 AM to 11:00 AM	62.6	65.7	63.91	
11:00 AM to 12:00 PM	64.2	68.6	66.90	
12:00 PM to 1:00 PM	64.7	69.1	67.78	
1:00 PM to 2:00 PM	62.5	70.9	64.80	64.45
2:00 PM to 3:00 PM	63.7	68.5	65.35	
3:00 PM to 4:00 PM	60.2	65.6	63.68	
4:00 PM to 5:00 PM	64.1	67.9	65.65	
5:00 PM to 6:00 PM	60.7	68.1	65.89	
6:00 PM to 7:00 PM	60.7	65.7	63.91	
7:00 PM to 8:00 PM	61.6	67.2	63.78	
8:00 PM to 9:00 PM	60.2	62.8	61.65	
9:00 PM to 10:00 PM	60.0	61.9	61.05	

Date of Study :	14/09/2023 To 15/09/2023	Night time :	10 PM to 6 AM

Time(hrs.)	L_{min}	L_{max}	L_{eq}	Night time L_{eq}
10:00 PM to 11:00 PM	58.6	60.8	59.84	
11:00 PM to 12:00 AM	57.3	60.0	58.86	
12:00 AM to 1:00 AM	57.4	59.2	58.28	
1:00 AM to 2:00 AM	55.1	58.6	56.86	60.43
2:00 AM to 3:00 AM	50.3	55.8	53.78	
3:00 AM to 4:00 AM	52.5	58.4	56.15	
4:00 AM to 5:00 AM	61.5	63.8	62.80	
5:00 AM to 6:00 AM	64.6	65.9	65.30	

L_{min} : Minimum Noise level L_{max} :Maximum Noise level L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 20/09/2023

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

NOISE MONITORING REPORT

Shakambhari Ispat & Power Limited

Vill. – Madandih, P.O – Bartoria, P.S – Neturia, District – Purulia, Pin – 723121

MONITORED BY :
ENVIROCHECK
189, Rastraguru Avenue,
Calcutta - 700 028

Report No : ENV/16/Sep/(TR)N/III/2023-2024

Sampling Locations :	D.V.C Area (Northern Side) -132 KV	Date of Study :	14/09/2023
Category :	Steel & Power Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L_{min}	L_{max}	L_{eq}	Day time L_{eq}
6:00 AM to 7:00 AM	63.2	65.7	64.63	
7:00 AM to 8:00 AM	64.9	66.8	65.95	
8:00 AM to 9:00 AM	63.1	65.6	64.53	
9:00 AM to 10:00 AM	65.4	67.8	66.76	
10:00 AM to 11:00 AM	64.3	66.4	65.48	
11:00 AM to 12:00 PM	63.1	64.1	63.63	
12:00 PM to 1:00 PM	61.3	63.7	62.66	
1:00 PM to 2:00 PM	60.1	68.8	66.34	62.74
2:00 PM to 3:00 PM	59.8	61.7	60.85	
3:00 PM to 4:00 PM	53.8	55.9	54.98	
4:00 PM to 5:00 PM	52.3	54.7	53.66	
5:00 PM to 6:00 PM	51.6	54.8	53.49	
6:00 PM to 7:00 PM	53.8	55.1	54.50	
7:00 PM to 8:00 PM	53.5	59.9	57.79	
8:00 PM to 9:00 PM	52.4	58.3	56.28	
9:00 PM to 10:00 PM	51.2	57.4	55.32	

Date of Study :	14/09/2023 To 15/09/2023	Night time :	10 PM to 6 AM

Time(hrs.)	L_{min}	L_{max}	L_{eq}	Night time L_{eq}
10:00 PM to 11:00 PM	53.5	59.9	57.79	
11:00 PM to 12:00 AM	52.4	58.3	56.28	
12:00 AM to 1:00 AM	52.8	58.7	56.68	
1:00 AM to 2:00 AM	52.1	58.4	55.89	59.05
2:00 AM to 3:00 AM	51.7	53.5	52.71	
3:00 AM to 4:00 AM	59.9	60.2	60.15	
4:00 AM to 5:00 AM	60.2	63.4	62.09	
5:00 AM to 6:00 AM	61.5	63.0	62.31	

L ...ium Noise level L_{max} :Maximum Noise level L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 20/09/2023

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

NOISE MONITORING REPORT

Shakambhari Ispat & Power Limited

Vill. – Madandih, P.O – Bartoria, P.S – Neturia, District – Purulia, Pin – 723121

MONITORED BY :
ENVIROCHECK
189, Rastraguru Avenue,
Calcutta - 700 028

Report No : ENV/16/Sep/(TR)N/IV/2023-2024

Sampling Locations :	Madandih Village - 05 km from Plant (Eastern Side)	Date of Study :	14/09/2023
Category :	Steel & Power Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L_{min}	L_{max}	L_{eq}	Day time L_{eq}
6:00 AM to 7:00 AM	42.9	49.1	47.02	
7:00 AM to 8:00 AM	49.3	53.5	51.89	
8:00 AM to 9:00 AM	50.4	54.9	53.21	
9:00 AM to 10:00 AM	51.7	55.2	53.79	
10:00 AM to 11:00 AM	52.4	54.6	53.64	
11:00 AM to 12:00 PM	52.8	54.9	53.98	
12:00 PM to 1:00 PM	53.2	55.7	54.63	
1:00 PM to 2:00 PM	52.4	55.9	54.49	51.87
2:00 PM to 3:00 PM	51.3	53.4	52.48	
3:00 PM to 4:00 PM	50.6	52.8	51.84	
4:00 PM to 5:00 PM	49.9	51.6	50.83	
5:00 PM to 6:00 PM	48.6	51.2	50.09	
6:00 PM to 7:00 PM	48.4	51.0	49.89	
7:00 PM to 8:00 PM	45.2	50.6	48.69	
8:00 PM to 9:00 PM	40.2	43.8	42.36	
9:00 PM to 10:00 PM	40.0	42.5	41.43	

Date of Study :	14/09/2023 To 15/09/2023	Night time :	10 PM to 6 AM

Time(hrs.)	L_{min}	L_{max}	L_{eq}	Night time L_{eq}
10:00 PM to 11:00 PM	39.9	41.5	40.77	
11:00 PM to 12:00 AM	39.0	40.8	39.99	
12:00 AM to 1:00 AM	39.2	40.5	39.90	
1:00 AM to 2:00 AM	36.1	40.4	38.76	42.55
2:00 AM to 3:00 AM	34.2	38.4	36.79	
3:00 AM to 4:00 AM	40.3	42.5	41.54	
4:00 AM to 5:00 AM	41.5	43.8	42.80	
5:00 AM to 6:00 AM	42.7	50.6	48.24	

mum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 20/09/2023

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

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Shakambhari Ispat & Power Limited.
2.	Address	:	Vill. – Madandih, P.O – Bartoria, P.S – Nuturia, District – Purulia, Pin – 723121
3.	Type of Industry	:	Steel & Power Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/16/Sep/(TR)N/23-24
8.	Date of Study	:	14/09/2023
9.	Reporting Date	:	20/09/2023
10.	Method No.	:	IS 15575 (Part 2), 2022
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY — **Time :10:00 – 10:20A.M**

DAY TIME

1. Location : Near 16 MW Control Room

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.2	80.0	78.00	East Side
02.	dB(A)	75.4	81.2	79.20	West Side
03.	dB(A)	75.0	80.8	78.80	North Side
04.	dB(A)	74.0	81.6	79.29	South Side
			Average dB(A) Leq	78.82	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Shakambhari Ispat & Power Limited.
2.	Address	:	Vill. – Madandih, P.O – Bartoria, P.S – Nuturia, District – Purulia, Pin – 723121
3.	Type of Industry	:	Steel & Power Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/16/Sep/(TR)N/23-24
8.	Date of Study	:	14/09/2023
9.	Reporting Date	:	20/09/2023
10.	Method No.	:	IS 15575 (Part 2), 2022
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY — **Time :10:30 – 10:50A.M**

DAY TIME

2. Location : Near DRI 100 TPD Control Room

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.4	78.5	76.92	East Side
02.	dB(A)	72.2	80.6	78.18	West Side
03.	dB(A)	70.8	81.2	78.57	North Side
04.	dB(A)	71.6	80.8	78.28	South Side
			Average dB(A) Leq	77.98	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Shakambhari Ispat & Power Limited.
2.	Address	:	Vill. – Madandih, P.O – Bartoria, P.S – Nuturia, District – Purulia, Pin – 723121
3.	Type of Industry	:	Steel & Power Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/16/Sep/(TR)N/23-24
8.	Date of Study	:	14/09/2023
9.	Reporting Date	:	20/09/2023
10.	Method No.	:	IS 15575 (Part 2), 2022
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY — **Time :11:00 – 11:20A.M**

DAY TIME

3. Location : Near DRI 350 TPD Control Room

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	74.4	78.8	77.13	East Side
02.	dB(A)	72.6	76.2	74.76	West Side
03.	dB(A)	73.2	80.7	78.40	North Side
04.	dB(A)	74.8	81.8	79.58	South Side
			Average dB(A) Leq	77.46	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Shakambhari Ispat & Power Limited.
2.	Address	:	Vill. – Madandih, P.O – Bartoria, P.S – Nuturia, District – Purulia, Pin – 723121
3.	Type of Industry	:	Steel & Power Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/16/Sep/(TR)N/23-24
8.	Date of Study	:	14/09/2023
9.	Reporting Date	:	20/09/2023
10.	Method No.	:	IS 15575 (Part 2), 2022
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY — **Time :11:30 – 11:50A.M**

DAY TIME

4. Location : Near DRI 600 TPD MCC Room

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.6	78.8	76.94	East Side
02.	dB(A)	74.2	80.5	78.40	West Side
03.	dB(A)	76.0	80.6	78.88	North Side
04.	dB(A)	75.4	78.2	77.02	South Side
			Average dB(A) Leq	77.81	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Shakambhari Ispat & Power Limited.
2.	Address	:	Vill. – Madandih, P.O – Bartoria, P.S – Nuturia, District – Purulia, Pin – 723121
3.	Type of Industry	:	Steel & Power Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/16/Sep/(TR)N/23-24
8.	Date of Study	:	14/09/2023
9.	Reporting Date	:	20/09/2023
10.	Method No.	:	IS 15575 (Part 2), 2022
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY — **Time :12:00 – 12:20 P.M**

DAY TIME

5. Location : Rolling Mill Dispatch Area

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.2	74.6	72.93	East Side
02.	dB(A)	71.4	75.8	74.13	West Side
03.	dB(A)	72.2	78.9	76.73	North Side
04.	dB(A)	73.6	81.2	78.89	South Side
			Average dB(A) Leq	75.67	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Shakambhari Ispat & Power Limited.
2.	Address	:	Vill. – Madandih, P.O – Bartoria, P.S – Nuturia, District – Purulia, Pin – 723121
3.	Type of Industry	:	Steel & Power Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/16/Sep/(TR)N/23-24
8.	Date of Study	:	14/09/2023
9.	Reporting Date	:	20/09/2023
10.	Method No.	:	IS 15575 (Part 2), 2022
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY — **Time :12:30 – 12:50 P.M**

DAY TIME

6. Location : Near SMS Control Room

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	68.8	72.3	70.89	East Side
02.	dB(A)	70.2	73.6	72.22	West Side
03.	dB(A)	69.5	72.8	71.46	North Side
04.	dB(A)	70.6	72.0	71.36	South Side
			Average dB(A) Leq	71.48	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Shakambhari Ispat & Power Limited.
2.	Address	:	Vill. – Madandih, P.O – Bartoria, P.S – Nuturia, District – Purulia, Pin – 723121
3.	Type of Industry	:	Steel & Power Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/16/Sep/(TR)N/23-24
8.	Date of Study	:	14/09/2023
9.	Reporting Date	:	20/09/2023
10.	Method No.	:	IS 15575 (Part 2), 2022
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by		Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY — **Time :1:00 – 1:20 P.M**

DAY TIME

7. Location : Near Ferro Alloy SEAF Control Room

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	80.4	82.6	81.64	East Side
02.	dB(A)	77.6	83.0	81.09	West Side
03.	dB(A)	78.0	80.5	79.43	North Side
04.	dB(A)	80.2	81.7	81.01	South Side
			Average dB(A) Leq	80.79	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

ANNEXURE-11

FORM-3

[See rules 4(5), 5(5), 8(6), 9(4), 10(8), 11(9), 13 (1) (xi), 13(2)(v), 13(3)(vii) and 13(4)(v)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer or manufacturer or refurbisher or dismantler or recycler by 30th day of June following the financial year to which that return relates].

Quantity in Metric Tonnes (MT)

1.	Name and address of the producer or manufacturer or refurbisher or dismantler or recycler	:	SHAKAMBHARI ISPAT & POWER LTD. Vill-Madandih, PO-Bartoria, PS-Neturia, Dist-Purulia (WB)
2.	Name of the authorised person and complete address with telephone and fax numbers and e-mail address	:	R K Mishra DGM Vill-Madandih, PO-Bartoria, PS-Neturia, Dist-Purulia (WB)-723121 8695621900 - rk.mishra@shakambharigroup.in
3.	Total quantity of e-waste collected or channelised to recyclers or dismantlers for processing during the year for each category of electrical and electronic equipment listed in the Schedule I by PRODUCERS		

Detail For	Type	Quantity	No.
BULK CONSUMERS: Quantity of e-waste	E-Waste	11.920 MT	N/A

4.	Name and full address of the destination with respect to 3(A)-3(D) above

Detail For	Name	Address
BULK CONSUMERS: Quantity of e-waste	J S Pigments Pvt. Ltd.	Vill & PO.-Jarura, P.S.-Polba, Delhi Road ,Hooghly -712138 (W.B.) Phone No.+913323202656

5.	Type and quantity of materials segregated or recovered from e-waste of different codes as applicable to 3(A)-3(D)

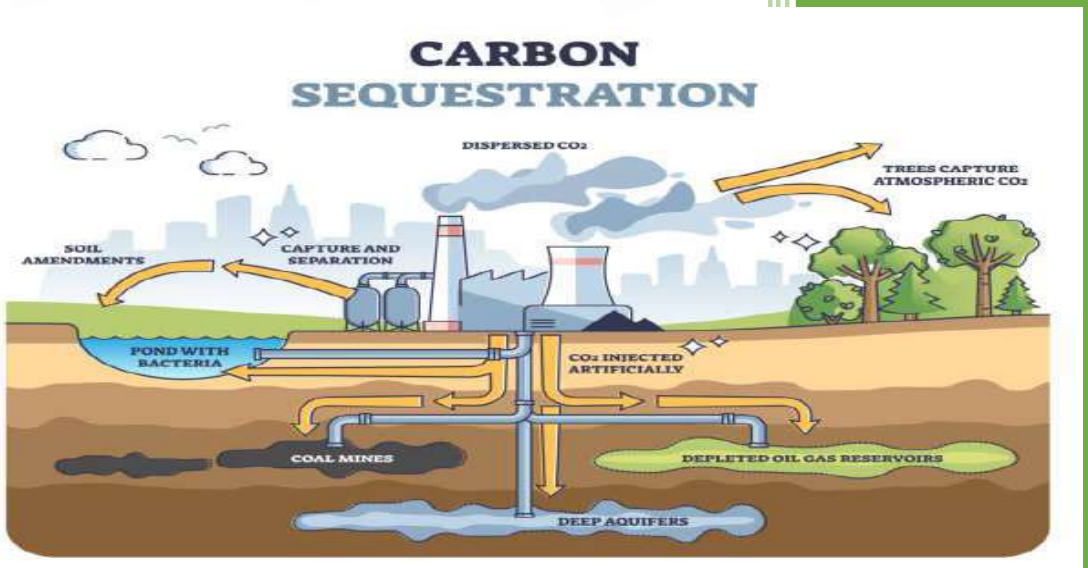
Detail For	Type	Quantity
BULK CONSUMERS: Quantity of e-waste	E-Waste	N/A

Place:_____

Date:_____ Signature of authorized person

ANNEXURE-12

CARBON FOOTPRINT & CARBON SEQUESTRATION STUDY REPORT



By

SHAKAMBHARI ISPAT & POWER LIMITED

For

Expansion of existing steel plant for Production of 0.7845 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (Maximum) along with Allied Facilities

At

Village: Parvatpur, Radhamadhabpur, Madandih, P.O.: Bartoria, District: Purulia, West Bengal

INTRODUCTION

In 2015, the global response to the threat of climate change took a step forward when 190 nations adopted the Paris Agreement. In 2019, the United Nations announced that over 60 countries including the United Kingdom and the European Union (with the exception of Poland) had committed to carbon neutrality by 2050. Moreover, some nations have pledged to work toward earlier dates. Together, these agreements have led to growing pressure to pursue decarbonization across all industrial sectors.

India's Nationally Determined Contribution (NDC's) primarily targets by 2030 a reduction in the emissions intensity of Gross Domestic Product (GDP) by 33 to 35 percent; achieving about 40 percent installed power capacity from non-fossil fuel-based energy resources; energy efficiency; and creating an additional carbon sink of 2.5-3 billion tonnes of carbon dioxide equivalent through additional forest and tree cover.

Steel is one of the core pillars of today's society and, as one of the most important engineering and construction materials, it is present in many aspects of our lives. However, the industry now needs to cope with pressure to reduce its carbon footprint from both environmental and economic perspectives. Currently the steel industry is among the three biggest producers of carbon dioxide, with emissions being produced by a limited number of locations; steel plants are therefore a good candidate for decarbonization. While the industry must adapt to these new circumstances, it can also use them as a chance to safeguard its license to continue operating in the long term.

The direct CO_2 intensity of crude steel production has been relatively constant in the past few years. In contrast, in the Net Zero Emissions by 2050 Scenario it falls an average 4% annually between 2020 and 2030. Achieving this reduction and maintaining it after 2030 will not be easy. Potential for energy efficiency improvements will likely soon be exhausted. Thus, innovation in the upcoming decade will be crucial to commercialise new low-emissions processes, including those that integrate CCUS and hydrogen, to realise the long-term transformational change required. Governments can help by providing RD&D funding, creating a market for near-zero-emissions steel, adopting policies for mandatory CO_2 emissions reductions, expanding international co-operation and developing supporting infrastructure.

In this report, the carbon footprints from different factors of Shakambhari Ispat & Power Limited (SIPL) will be determined and the carbon sequestration data from the units will be accessed to have an insight on annual carbon emissions from the works. This report also provides measures to further reduce the carbon emissions from the unit through implementation of new cleaner technological advances and sustainable environment methods.

Shakambhari Ispat & Power Limited has relied on following reference for arriving CO_2 Emission Factors for steel industry

- *Report on Greenhouse Gas Emissions from Major Industrial Sources –III Iron and Steel Production by International Energy Agency and USEPA; Technical Support Document for the Ferroalloy Production Sector: Proposed Rule for Mandatory Reporting of Greenhouse Gases;),* the CO_2 emissions are calculated and carbon footprints are tracked in the unit.

- 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Volume 3, Industrial Processes and Product Use

CARBON FOOTPRINT

Carbon Footprint (CF) is used to measure the impact of human activities on natural ecosystems, the relative size of human consumption on ecosystems, and it emphasizes on the effect of carbon emission of human energy activities on atmospheric environment. Based on different industries, different levels have been formulated and different greenhouse gases have been considered. Six kinds of greenhouse gas emissions such as CO_2, CH_4 and N_2O produced by human activities in the country have been estimated. The carbon footprint is characterized in three levels:

- The first level comes from the direct carbon emissions of the institution itself
- The second level expands the boundary to the direct carbon emissions of the Department that provides the energy sector
- The third level includes the direct and indirect carbon emissions of the whole life cycle of the supply chain.

CARBON FOOTPRINT IN THE IRON & STEEL INDUSTRY:

- The steel industry is one of the basic industries of the country and plays a vital role in strengthening the economy. It is one of the fastest-growing sectors as steel is one of the core pillars of modern society and is present in many aspects of our lives as it is one of the most important engineering and construction materials for its application across all industries such as the automobiles industry, real estate industry, transportation, aircraft industry, shipbuilding industry, etc.
- The steel industry is among the three biggest producers of carbon emissions. However, with the need of the hour and responsibility towards an encouraging future, the industry needs to cope with the pressure to reduce its carbon footprint from both environmental and economic perspectives.
- The direct CO_2 intensity of crude steel production has been relatively constant in the past few years. In contrast, in the Net Zero Emissions by 2050 Scenario it falls an average of 4% annually between 2020 and 2030. Achieving this reduction and maintaining it after 2030 will not be easy. The potential for energy efficiency improvements will likely soon be exhausted with the existing technology. Thus, innovation in the upcoming decade will be crucial to commercializing new low-emissions processes, including those that integrate CCUS and hydrogen, to realize the long-term transformational change required. Governments can help by providing R&D funding, creating a market for near-zero-emissions steel, adopting policies for mandatory CO_2 emissions reductions, expanding international cooperation and developing supporting infrastructure.
- While the industry must adapt to these new circumstances, it can also use them as a chance to safeguard its license to continue operating in the long term.
- In this report, the carbon footprints through various factors of Shakambhari Ispat & Power Limited (SIPL) have been discussed and the carbon sequestration data from the units provide an insight into annual greenhouse gas emissions from the works are tabulated. The measures to further reduce the carbon emissions from the unit through the implementation of new cleaner technological advances and sustainable environment methods have also been discussed.

M/s Shakambhari Ispat & Power Limited (SIPL) is an existing steel plant at village: Parvatpur, Radhamadhabpur, Madandih, P.O.: Bortoria, Tehsil: Raghunathpur, District: Purulia, West Bengal for production of MS Rolled products and Ferro-alloys. The company has proposed for expansion of existing steel plant for Production of 0.7845 million tons per annum Crude Steel/ Stainless Steel, 0.214271 million tons per annum Ferro-Alloys (Maximum) along with Allied Facilities

Overall Carbon footprint finding after completion of expansion projects

❖ *Sponge Iron Division (DRI Plant)*

Following table shows the CO2 emissions from the induction furnace operation after proposed expansion.

Table 1: CO2 e Emission from DRI Division

Plant	Product	Production Capacity (TPA)	Emission Factor	CO2e Emissions (TPA)
Sponge Iron Plant	Sponge Iron	9, 10,800.00	0.70*	6,37,560.00

** Emission Factor based on 2006 IPCC Guidelines for National Greenhouse Gas Inventories*

❖ *SMS Division Induction Furnace*

Following table shows the CO_2 emissions from the induction furnace operation after proposed expansion.

Table 2: CO2 e Emission from SMS Division

Unit	Required Raw Materials	Quantity (TPA)	Carbon Content (W/W)	Total Carbon (TPA)	Carbon Retained in Billet (TPA)	Carbon Burnt (TPA)	CO2e Emissions after proposed expansion of the plant (TPA)
SMS (IF-9x25T) for production of 787,500MT MS /SS Billet	Pig Iron	81900	0.04	3276	1575	15558.30	58544.02
	Sponge Iron	802620	0.015	12039			
	Ferro Alloys	9000	0.02	180			
	Scrap	81900	0.02	1638			
Total				17133.30			

❖ *Rolling Mill Division*

Reheating Furnace

Following table shows the CO_2 emissions from the reheating furnace operation using LDO or LSHS as Fuel for the proposed plant. The production for this unit is taken considering 10% production of rolled products through Reheating furnace and rest production (90%) through hot charging directly from SMS to rolling mills.

Table 3: CO2 e Emission from Rolling Mill Division

Unit	Fuel Type	Quantity (KL/Year)	Quantity (Kg/Year)	Heat Value	Total Heat Generation (Kcal)	Total Heat Generation (mmBTU)	Emission Factor (T/mmBTU)	CO2e Emission (TPA)
Reheating Furnace	LSHS	285	276.45	10550	2916547.5	11.56	72.93	844.0

❖ ***Ferro Division***

Following table shows the CO_2 emissions from the induction furnace operation after proposed expansion.

Table 4: CO2 e Emission from SEAF

Unit	Product	Quantity (TPA)	Emission Factor (T/T)	CO2e Emission (TPA)
SEAF (8x9 MVA	Fe-Mn	1,94,058	1.30	2,52,275.4
	Si-Mn	1,42,848	1.40	1,99,987.2
	Fe-Si	64,282	2.50	1,60,705.0
	Fe-Cr	1,35,330	1.30	1,75,929.0
	Fe-Si-Cr	88,664	1.40	1,25,902.88
	Pig Iron	2,14,272	1.35	**2,89,267.2**

Maximum **CO2 e Emission** from ferro alloys division shall be **2,89,267.2 TPA**

Table 5: CO2 e Emission from Sinter Plant (Ferro Division)

Unit	Product	Quantity (TPA)	Emission Factor (T/T)	CO2e Emission (TPA)
Sinter Plant	Sinter	2,16,.000	0.2	43,200.0

Table 6: CO2 e Emission from Briquetting Plant

Unit	Fuel Type	Quantity (KL/Year)	Quantity (Kg/Year)	Heat Value	Total Heat Generation (Kcal)	Total Heat Generation (mmBTU)	Emission Factor	CO2e Emission
Briquetting Plant	LSHS	525	509.25	10550	5372587.5	21.31	72.93	1554.0

Table 7: CO2 e Emission from Pellet Plant

Plant	Product	Production Capacity (TPA)	Emission Factor	CO2e Emissions (TPA)
Pellet Plant	Iron Ore Pellet	8,50,000.00	0.03	25,500.00

Table 8: CO2 e Emission from Blast Furnace (Pig Iron Plant)

Plant	Product	Production Capacity (TPA)	Emission Factor	CO2e Emissions (TPA)
Blast Furnace	Pig Iron/Hot Metal	4,15,500.00	1.35	5,62,275.00

Table 9: CO2 e Emission from Sinter Plant

Plant	Product	Production Capacity (TPA)	Emission Factor	CO2e Emissions (TPA)
Sinter Plant	Sinter	7,95,600.00	0.2	1,59,120.00

Table 10: CO2 e Emission from Captive Power Plant

Plant	Required Fuel	Quantity TPA	Carbon Content (W/W)	Combustion Rate	CO2e Emissions after proposed expansion of the plant (T/Year)
CPP (62MW	Coal	3,05,700.0	0.67	95%	7,14,101.44
	Dolochar	1,82,160.0	0.25	95%	1,58,775.21
				Total	**8,72,876.65**

Thus, the cumulative CO_2e emitted from the project after proposed expansion with sum of table 1-10 is ***25,62,151.45 tons CO_2e/Annum.***

[Reference Point: Source: Report on Greenhouse Gas Emissions from Major Industrial Sources –III Iron and Steel Production by International Energy Agency and USEPA; Technical Support Document for the Ferroalloy Production Sector: Proposed Rule for Mandatory Reporting of Greenhouse Gases;]

Mitigation measures to reduce Carbon Footprints

With the growing concern over climate change, steel makers are faced with the challenge of finding ways of lowering CO_2 emissions without seriously undermining process efficiency or considerably adding to costs. The iron and steel industry are the largest industrial source of CO_2 emissions due to the energy intensity of steel production, its reliance on carbon-based fuels and reductants.

The technological compendium of industries suggests the need to shift from traditional carbon intensive technologies for iron and steel production to low-carbon environment friendly technologies. Following are the measures which shall be adopted in coming years by the industries to reduce the overall carbon footprints

- Energy Monitoring & Management System
- Regenerative Burners in Re-heating Furnaces of Rolling Mills
- Hot charging process of continuously cast products at higher temperature directly to Rolling Mills which eliminate the need for re-heating furnaces.
- Scoping the minimum use of Reheating Furnaces

- Adoption of Variable Voltage Variable Frequency (VVVF) Drives for high capacity electric motors
- Minimising energy consumption and improving the energy efficiency of the process
- Changing to a fuel and/or reducing agent with a lower CO2 emission factor;
- Capturing the CO2 and storing it underground.
- Sufficient and affordable renewable energy needs to be implemented in the industry
- Installing state of art cleaner technologies
- Afforestation and Plantation
- Metallurgical wastes (Slag, Sludge, scales, fines, dust) into Sintering contributes significantly for reducing carbon dioxide emissions
- Availability of supporting infrastructure (Carbon capture and storage (CCS) and Hydrogen networks) needs to be accelerated, especially for industries, to support the transition to low-carbon/carbon neutral technologies
- Supporting the deployment of Digital Product Passports (DPPs) in the downstream products and applications of steel (e.g., in construction and transportation industries) can improve the process of steel recovery and reuse. The design of DPPs usually contains product related information by manufacturers, including instructions on disassembly and dismantling. If followed correctly during the recycling or end-of-life phase of steel products, steel recovery rates can be enhanced.
- The continuation and reinforcement of the promotion of sustainable means of transport for commuters, such as bicycles, public transport and, most of all, car-pooling would contribute to reducing carbon emissions

MEASURES BEING TAKEN BY SHAKAMBHARI ISPAT & POWER LIMITED

The Company has taken some plan under this expansion proposal, which shall be considered as attempts towards clean technology.

- Direct hot charging of billets from SMS to rolling mill.
- Promoting minimum use of vehicles during plant visit.
- Installation solar light system on the roof top of administrative building for office lighting purpose.
- Increasing afforestation in and around the factory premises.
- Promotion of adequate affordable renewable energy in the industry.
- *The most important and considerable point here is that SIPL is generating 37 MW power as green energy by using sensible heat through Waste Heat Recovery Boilers (WHRB) installed with individual DRI Kilns (4x100TPD+2x350 TPD & 1x600 TPD) with existing project.*

  The use of sensible heat generated during the sponge-iron-making process for power generation falls under criteria of green energy generation.
- *Further, the SIPL has proposed additional power generation of 27 MW through WHRB technology as green energy by using the sensible heat from sponge iron plant and blast furnace gases.*
- *Total 64 MW power shall be generated through WHRBs as cogeneration source of power.*
- *Thus, by using the green energy through WHRB SIPL shall contribute in carbon sequestration with restricting the CO2 e Emission of 2644801.50 TPA. The United Nations Framework Convention on Climate Change also considers electricity generated through WHR System as green, therefore, such projects are eligible for earning carbon credits.*
- The continuation and reinforcement of the promotion of sustainable means of transport for commuters, such as bicycles, public transport and, most of all car-pooling would contribute to reducing carbon emissions.

Attempts to reduce Carbon emission/to bring down Carbon intensity

- Shakambhari Ispat & Power Limited shall prefer direct charging of hot billets to rolling mills from SMS. This attempt will remarkably reduce dependency on re-heating furnace and burning of fossil fuel like LSHS/LDO and consequently reduce the CO_2 emission. Company shall always scope the optimal use of reheating furnaces proposed in expansion project.
- Company further proposed to generate the 27 MW Power as green energy through WHRB by using the sensible heat from sponge iron plant and blast furnace gas.
- SIPL has purchased 07 Nos. of EV (Electric Vehicle) cars and re-charging of these batteries shall be through electricity generated from solar panel planned to be installed.

These moves should be considered as its positive attempts to bring down Carbon intensity.

Moreover, the company proposes uses of Variable Frequency Drive ID Fans, Energy Monitoring & Management System, Regenerative Burners in Re-heating Furnace of Rolling Mills, Adoption of Variable Voltage Variable Frequency (VVVF) Drives for high capacity electric motors, Installing state of art cleaner technologies.

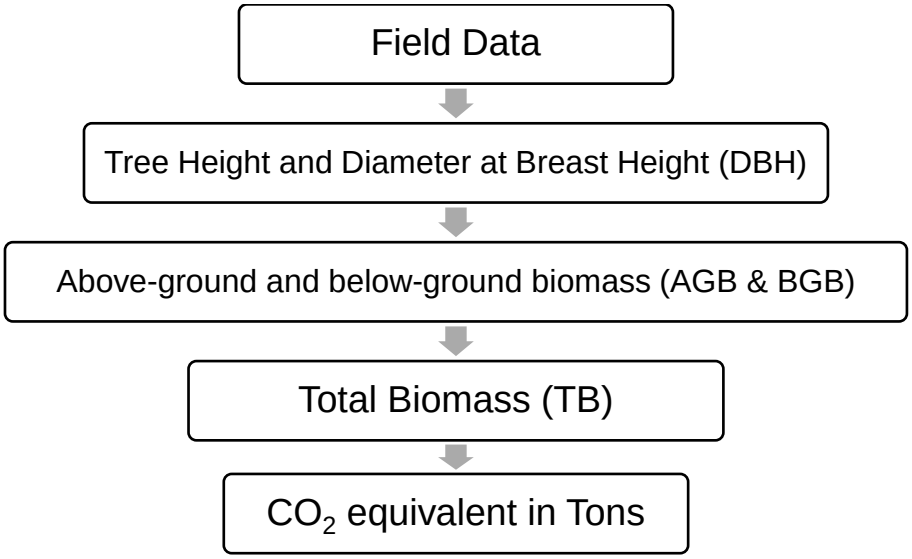
Carbon Sequestration

Carbon sequestration is defined as the removal of carbon dioxide from the atmosphere and storage in a system. Carbon sequestration is gaining its importance in carbon credit and trading. Identification of many CDM (Clean Development Mechanism) projects has offered special flexibility and relevance in the carbon reduction and has helped improve the national economy. These projects have estimated the quantity of carbon in various systems and their dynamics associated with it. With these estimations, several strategies and formulations have evolved quantifying and reducing the carbon foot print.

No doubt carbon sequestration can be achieved through various systems, but trees form to be the largest terrestrial sink of carbon dioxide. Therefore, the plantation is granted as the most efficient and biggest terrestrial carbon sequestration method. Out of the five most important terrestrial carbon sequestration system (above ground biomass, below ground biomass, litter, wood debris, and soil organic carbon), the above and below ground biomass are the top two in the pool. Biomass of trees develops when plants take in carbon dioxide from the atmosphere in the presence of sunlight and convert them into starch in their tissues. Several studies have revealed that the carbon content in these tissues is half their biomass. So, with their growth and development, trees go on sequestering CO2 from the atmosphere and store in their tissues as carbohydrates. This continues until the death of the tree. The rate of carbon sequestration is however maximum during the early stages of growth in trees when trees try to produce more and more amount of food to grow, meet the energy required by them and to stabilize in their respective environmental conditions.

Estimation of Carbon Sequestration Potential of Trees

There are generally two methods to estimate carbon sequestration in plant biomass. Direct method that involves cutting of the tree and Indirect method that is calculated through the above ground biomass and below ground biomass method without slashing the tree. Being ethically and ecologically sound, the second method was preferred for the present study.



Methodology for Carbon Sequestration from Trees

The girth at breast height (GBH) of the trees was measured using a measuring tape at a height of 1.96 m from the ground surface. The height of the trees was measured using reference method (referring to the height of a nearby building or tower), pencil method and angle method as per the convenience. The above ground biomass (AGB) and below ground biomass (BGB) were then calculated as per the formula is given below.

Basal area (m^2) = $(GBH)^2/4\pi$

Bio-volume (m^3) = Basal area x Height of the tree

AGB (kg) = Bio-volume x Wood density (kg/m^3)

BGB (kg) = AGB x 0.26 (Where 0.26 = Root to Shoot ratio)

Total Biomass (TB) in kg/tree = AGB + BGB

Total Carbon Sequestered (TC) in kg/tree = TB/2

The Carbon content in trees was taken on an average as 50% of the tree biomass. The wood density of the individual tree species was derived from secondary sources. The CO2 equivalent was calculated using the following formula:

CO2e = (TC x 44)/12

Where, 44 and 12 are the molecular and atomic weight of CO_2 and C, respectively.

Shakambhari Ispat & Power Limited. has planted 62200 trees covering (24.45 ha.) land of total project area. The carbon sequestration by plantation shown in the following table:

Sl. No.	Plant Specices	Local Name	Periphery (cm.)	Basal Area (M2)	Height (M)	Basal Volume (M3)	Density (Kg/M3)	AGB (Kg)	BGB (Kg)	TB (Kg)	TC (Kg)	CO2e (Kg)	No. Tree	Total CO2e (TPA)
1	Azadirachta indica	Neem	68	0.037	6.5	0.239	900	215.37	56.00	271.37	135.68	497.50	3500	1,741
2	Polyalthia longifoila	Debdaru	30	0.007	4	0.029	875	25.08	6.52	31.60	15.80	57.93	1300	75
3	Acacia auriculiformis	Sonajhuri	48	0.018	5	0.092	625	57.32	14.90	72.23	36.11	132.42	5850	775
4	Dalbergia sissoo	Shishu	59	0.028	8	0.222	800	177.38	46.12	223.49	111.75	409.74	6850	2,200
5	Ficus benghalensis	Bot	78	0.048	7	0.339	700	237.35	61.71	299.07	149.53	548.29	1200	658
6	Ficus religiosa	Peepal	95	0.072	10	0.719	700	502.99	130.78	633.76	316.88	1161.90	750	871
7	Anthocephalus cadamba	Kadam	59	0.028	6	0.166	600	99.77	25.94	125.72	62.86	230.48	4550	1,049
8	Mimusops elengi	Bakul	58	0.027	3.5	0.094	1008	94.49	24.57	119.06	59.53	218.28	747.5	163
9	Albizzia lebbeck	Sreesh	85	0.058	8	0.460	630	289.92	75.38	365.30	182.65	669.72	3570	2,391
10	Conocarpus	Conocarpus	54	0.023	7	0.163	580	94.26	24.51	118.77	59.38	217.74	18330	3,991
11	Caesalpinia pulcherrima	Radhachura	64	0.033	4.5	0.147	530	77.78	20.22	98.00	49.00	179.67	3315	596
12	Delonix regia	Krishnachura	54	0.023	4.5	0.104	510	53.28	13.85	67.14	33.57	123.08	1820	224
13	Lagerstroemia speciosa	Jarul	45	0.016	3	0.048	700	33.86	8.80	42.66	21.33	78.21	1105	86
14	Millettia pinnata	Karanj	61	0.030	4	0.119	680	80.58	20.95	101.53	50.77	186.14	2145	399
15	Alstonia scholaris	Chhatim	72	0.041	4	0.165	700	115.57	30.05	145.61	72.81	266.96	455	121
16	Wodyetiabifurcata	Fox Tail Palm	45	0.016	2.8	0.045	540	24.38	6.34	30.72	15.36	56.31	370.5	21
17	Dysoxylumprocerum	Lamboo	68	0.037	4.5	0.166	600	99.40	25.84	125.25	62.62	229.62	585	134
18	Syzgiumcumini	Jamun	68	0.037	4.2	0.155	700	108.24	28.14	136.38	68.19	250.03	338	85
19	Terminalia arjuna	Arjun	68	0.037	7	0.258	750	193.28	50.25	243.53	121.77	446.48	3550	1,585
20	Areca catechu	Areca Palm	68	0.037	3	0.110	880	97.19	25.27	122.46	61.23	224.51	520	117
21	Tecoma stans	Ttikoma	68	0.037	3	0.110	580	64.06	16.66	80.71	40.36	147.98	715	106
22	Swietenia	Mehguni	68	0.037	5	0.184	750	138.06	35.89	173.95	86.98	318.91	325	104
23	Hibiscus rosa-sinensis	Hibiscus	38	0.011	2.5	0.029	700	20.12	5.23	25.35	12.68	46.48	65	3
24	Hyophorbe lagenicaulis	Bottle palm	68	0.037	6	0.221	900	198.80	51.69	250.49	125.25	459.23	244	112
												TOTAL	**62,200**	**17,607**

Table-11

The total carbon sequestration by plantation is **17607** *tons CO_2e/Annum.*

Installation of Solar Facilities:

M/s SIPL has proposed to install 1500Kwp Solar panels to produce non-conventional green energy for office & auxiliary usage. It will be helpful in carbon sequestration as follows shown in Table 12(a) & 12(b).

Table-12(a)

The capacity of Solar Panel	1500 Kwp
Av. Power Generation	0.21 MWh
Power generation in 24 hours (per day)	5.1 MW
Power generation in a year	1861.5MW

Table-12(b)

CARBON SEQUESTRATION	
Av Coal consumption per MW	0.90T
Total Coal consumption for 1861.5 MW	1674.90 T
Total Carbon as FC	1122.18 T
Total CO_{2e} emission Sequestration	**4118.41T**

Table 11 shows that the total CO_2e sequestration potential from greenbelt development (62,2000 nos. trees) is estimated to be **17607*CO_2e/Annum***. This number is aimed to be maintained on a yearly basis target by plantations & gap filling to reduce & sequestrate CO_2 e emissions.

In addition to afforestation, installation of the solar panel shall contribute carbon sequestration up to **4118.41T *CO_2e/Annum*** i.e. more than 11 Ton/day as shown in table-12(b)

Thus, through various small-scale & large-scale methodologies, the organization aims to minimize its carbon footprint.

CONCLUSION

M/s Shakambhari Ispat & Power Limited is committed to reducing the overall Green House Gases and Ambient pollution levels by adopting cleaner technologies and carrying out ecological development activities. The company aims to reduce carbon emissions by introducing different energy-efficient technologies with usages of renewable energy resources,

Further, with the implementation of Carbon capture and storage (CCS) plants in steel industries, steel plants could progress to become near-zero emitters of CO_2. The commercial viability of CCS partly depends on the price of carbon emissions which is set by government policy. Developing new technologies, such as the HIsarna process, that are designed to generate a nitrogen-free and CO2-rich off gas which will make CO_2 capture & control easier and cheaper.

To conclude, no single option can yield the necessary CO_2 emission reductions but a combination of technologies available can be retrofitted to achieve significant reductions, which is possible after commercial deployment of the same by the Government of India.

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ANNEXURE-13

PLANTATION/GREEN COVER WITH INDIGENOUS SPECIES

PEDESTRIAN
WALKWAY

10

EMERGENCY
ASSEMBLY
POINT

ELEGANT
OCCUPATIONAL HEALTH CENTER

SAVE
WATER

FERRO

Helmets
should only
come in
adult sizes
CHILD

METAL WORKS

TRUCK PAR

ELEGANT

ANNEXURE-14

SHAKAMBHARI ISPAT AND POWER LIMITED
VILL - MADANDIH, PO - BARTORIA, PS - NETURIA, DIST - PURULIA, WEST BENGAL

Health checkup details of Employees

DATE : 03-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
1	S010210041	BIPALAB SAHIS	KALIPADADAS	Helper	02-09-1990	66	74	120/90	90 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
2	S010210043	DHANESWAR BAURI	BIBEK CHANDRA	Helper	21-04-2001	69	99	130/90	109 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
3	S010220003	SK KHAJIMUDDIN	SK GORIBULLA	Helper	05-07-2003	54	74	144/90	96 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
4	S010220005	SK ANAMUL	SK TAJMUL	Helper	11-01-2003	75	67	100/80	128 mg/dl	"AB"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
5	S010230001	CHAND MURMU	MADHU MURMU	Helper	10-01-1992	74	80	110/90	95 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
6	S010230003	SHYAMAPADA TANTUBAY	DIBAKAR TANTUBATY	Helper	01-01-1975	74	76	130/70	409 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
7	S010230007	SHUKU HANSDA	SOM HANSDA	Helper	01-01-1974	59	99	130/80	409 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
8	S010230010	SUNIL HANSDA	KALICHARAN HANSDA	Helper	16-03-1985	59	101	130/80	90 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
9	S010230017	SHANTA BAURI	FAKIR BAURI	Helper	10-01-1989	61	80	130/90	128 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
10	S010230018	RAHAN HANSDA	KALIPADA HANSDA	Helper	07-12-2000	60	80	110/70	96 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
11	PL0002154	Bhagwan Rawani	Mohan Rawani	Florklift Operator	01-01-1975	59	97	140/80	119 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
12	PL0000661	Bhim Show	SURESH SHOW	Fitter	05-08-1989	56	96	110/70	119 mg/dl	"B"	Positive	Normal		Normal				
13	PL0002063	Bholanath Karmakar	Uday Karmakar	Welder	02-02-1984	78	80	110/80		"B"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
14	PL0000532	Bijoy Bouri	BAHADUR BAURI	Junior Fitter	21-07-1987	57		110/80		"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
15	PL0000616	Bikash Kumar	Raghunandan Thakur	Fitter	10-03-1988	63	90	130/80	409 mg/dl	"B"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
16	PL0000285	Bikash Kumar Dutta	MANIK CHANDRA DUTTA	Helper	01-01-1987	50	87	109/74	103 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
17	PL0002072	Bikash Mondal	Niranjan Mondal	Field Operator	29-06-1999	59	90	130/80	92 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
18	PL0001073	Bimal Kumar	RAM MURTI SINGH	Welder	05-03-1987	78	99	110/90	128 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
19	PL0002381	Bipadtaran Chowbey	Ashok Chowbey	Belt Jointer	05-01-1993	64	99	130/80	92 mg/dl	"O"	Negative	Normal		Normal	Distance 6/6	N6 Near	Normal	
20	PL0002024	Bipan Das	Late Ajit Das	Electrician	04-03-1991	74	90	120/80	96 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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Health checkup details of Employees

DATE : 03-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
21	PL0000526	Bipin Gorai	BADAL CHANDRA GORAI	Fitter	01-01-1986	87	80	150/100	151 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
22	PL0002306	Biplab Majumder	Santosh Kumar Majumder	Foreman	01-02-1978	82		140/90	148 mg/dl	"B"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
23	PL0000480	Biplab Sarkar	MALAY KUMAR SARKAR	Electrician	22-04-1992	67	90	130/80	409 mg/dl	"AB"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
24	PL0000121	Birendra Varma	Laxmi Narayan	Fitter	01-01-1979	56		130/80		"B"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
25	PL0002254	Chandan Nonia	Siyasharan Nonia	Florklift Operator	01-01-1985	74		110/70	128 mg/dl	"AB"	Positive	Normal		Normal				
26	PL0002425	Chandi Kumar Shaw	Udayshankar Shaw	Forklift Operator	12-04-1988	85	84	144/90	109 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
27	PL0001478	Chiranjit Kumbhakar	Swapan Kumbhakar	Control Room Operator	13-02-1996	62	80	100/80	96 mg/dl	"AB"	Positive	Normal		Normal				
28	PL0001505	Chotan Mukherjee	Late Sadhan Mukherjee	Control Room Operator	09-09-1986	54		130/90	260 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
29	PL0002236	Debasish Layek	Sudhakar Layek	Electrician	14-02-1989	82	80	130/90	90 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
30	PL0000473	Debi Prasad Mondal	SATISH CHANDRA MANDAL	Senior Electrician	09-11-1971	82	67	110/70	128 mg/dl	"O"	Positive	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
31	PL0002259	Debu Mahato	Late Niru Mahato	Tapper	01-01-1983	82	99	130/90	120 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
32	PL0000831	Devilal Mahto	Late Shambhunath Mahto	Welder	03-01-1972	62	111	100/80	96 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
33	PL0000828	Dharani Kumar	Khudiram Kumar	Fitter	09-06-1973	72	67	130/70	95 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
34	PL0001177	Dharmjeet Kumar	Laxman Paswan	Rigger	02-10-1995	57	76	108/80	99 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
35	PL0002007	Dip Gorai	Chandi Gorai	Field Operator	28-07-1990	59	96	140/90	148 mg/dl	"O"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
36	PL0000904	Dipak Char	GOPINATH CHAR	Operator	16-12-1980	59	84	130/80	409 mg/dl	"O"	Positive	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
37	PL0000506	Dolon Mandal	MANIK CHANDRA MONDAL	Operator	16-03-1992	59	99	109/74	103 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
38	PL0000586	Durga Prasad Lakshman	Late Mangobinda Lakshman	Electrician	12-01-1981	58	74	100/80	96 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
39	PL0002050	Duryodhan Mallick	Late Madhu Mallick	Fitter	01-01-1987	62	80	130/90	90 mg/dl	"A"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
40	PL0001031	Ganesh Kumar Maurya	Bhagwan Maurya	Senior Electrician	01-04-1992	61		130/90	120 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
41	PL0000287	Gautam Goswami	Bipul Goswami	Operator	11-11-1987	79	76	140/90	148 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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Health checkup details of Employees

DATE : 03-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
42	PL0000731	Hiralal Yadav	SUKHDEO YADAV	Cutter	10-02-1996	59	104	110/70		"B"	Positive	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
43	PL0002070	Jagannath Dan	Shyamapada Dan	Field Operator	04-03-1989	82	76	110/80		"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
44	PL0000504	Jamil Ahamed	TAJAMMUL HUSSAIN	Operator	25-12-1987	79	80	140/80	119 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
45	PL0002170	Jiten Ghosh Gope	Janaki Ghosh Gope	MRP Operator	01-01-1975	65	80	110/70		"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
46	PL0001408	Jitendra Kumar Mahato	MADAN MAHATO	Assistant Foreman	01-01-1983	64	67	140/90	141 mg/dl	"A"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
47	PL0002010	Jitendra Nath Roy	Late Dilip Roy	Fitter	04-03-1994	70	101	140/90	148 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
48	PL0000633	Joerge Petter	Patrick Pitter	Fitter	14-01-1990	72	104	130/80	107 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
49	PL0001482	Jotirmoy Thakur	Tapan Thakur	Control Room Operator	13-08-1995	70	84	110/90	128 mg/dl	"B"	Positive				Distance 6/6	N6 Near	Normal	
50	PL0002365	Joydeb Banerjee	Late Gurupada Banerjee	Tapper	15-02-1979	63		130/80	107 mg/dl	"O"	Negative	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
51	PL0002141	Jyotirmay Atha	Ajit Kumar Atha	Control Room Operator	02-02-1994	74	104	130/80	409 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
52	PL0002175	Kajal Paramanik	Prabodh Paramanik	Welder Cum Gas Cutter	03-08-1988	63	90	120/80	96 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
53	PL0002268	Kanai Bauri	Madhusudan Bauri	Assistant Fitter	12-03-1994	61		110/70	151 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
54	PL0001433	Kaushal Kumar	BHAGWAN YADAV	Fitter	26-06-1987	64	84	110/70	117 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
55	PL0000324	Kazal Hazra	Late Shaktidhar Hazra	Fitter	01-01-1981	82	99	110/70	117 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
56	PL0000265	Khaleda Sk.	MUSLIM	Operator	01-01-1982	66	109	136/70	127 mg/dl	"A"	Positive				Distance 6/6	N6 Near	Normal	
57	PL0002165	Khokan Digar	Ajit Digar	Rigger	02-03-1994	57	99	120/90	107 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
58	PL0002032	Kunal Adhikari	Paritosh Adhikari	Control Room Operator	09-11-1996	54	90	144/90	109 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
59	PL0002198	Kush Maji	Upendra Maji	Electrician	24-05-1990	62	104	110/80		"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
60	PL0000672	Lalan Yadav	Chaturanand Yadav	Fitter	01-05-1991	65	86	140/80	119 mg/dl	"O"	Positive	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
61	PL0001054	Laxmikanta Mahapatra	LAXMAN MAHAPATRA	Operator	18-02-1982	85	80	140/90	119 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
62	PL0001855	Mahabir Bauri	Late Kalo Bauri	Senior Fitter	13-02-1985	78	87	120/80	125 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
63	PL0002161	Mahadev Das	Late Madhusudan Das	Welder	05-07-1979	79	84	150/100	151 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
64	PL0000599	Manas Chakraborty	PRANAB CHAKRABORTY	Senior Electrician	11-09-1992	62	84	130/90	260 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	

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Health checkup details of Employees

DATE : 04-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
65	PL0002257	Manbodh Mandal	Late Gopal Mandal	Fitter	08-05-1985	78		130/90	90 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
66	PL0002019	Manik Mukherjee	Late Chakradhar Mukherji	Fitter	01-01-1977	82	87	120/80	145 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
67	PL0000115	Manish Kumar Singh	Lallan Dhari Singh	Electrician	21-05-1993	74	84	130/80	92 mg/dl	"A"	Negative				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
68	PL0001730	Manoj Ray	Shiv Ray	Fitter	01-01-1996	68		120/80	125 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
69	PL0000486	Md Irfan	MD SHABAN	Shift Incharge	04-07-1989	78	80	110/90	128 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
70	PL0000487	Md Kalim	SHEK SALIM	Technician	06-11-1981	74	101	140/90	141 mg/dl	"B"	Negative	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
71	PL0001877	Md Nawab Ali	Md Shaukat Ali	Senior Fitter	12-01-1982	59	90	117/76	119 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
72	PL0000300	Md Sabir Ansari	Ramparash Ray	Operator	01-01-1976	58	90	120/90	107 mg/dl	"A"	Positive	Normal		Normal				
73	PL0002125	Md. Hasan Ansari	Chand Akhtar	AHP Operator	06-04-1987	70	74	120/90	107 mg/dl	"A"	Positive				Distance 6/6	N6 Near	Normal	
74	PL0002431	Mintu Mondal	Gouranga Mondal	Electrician	23-06-1992	72	99	130/90	90 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
75	PL0002157	Mithun Bouri	Late Sankar Bouri	Welder	20-04-1992	74	74	144/90	109 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
76	PL0001972	Mrinmoy Chakraborty	Jiban Chakraborty	Electrician	05-11-1991	67	67	100/80	96 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
77	PL0000851	Mukesh Kumar Dubey	Permeshwar Dubey	Control Room Operator	05-01-1985	57	80	110/90	128 mg/dl	"B"	Positive	Normal		Normal				
78	PL0002407	Nandalal Mondal	Subhash Chandra Mondal	Electrician	25-02-1987	62	76	130/70	95 mg/dl	"B"	Positive	Normal		Normal				
79	PL0002225	Nasiruddin	Late Alauddin Ansari	CHP Operator	19-10-1981	59	99	130/80	409 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
80	PL0002305	Nayan Bhandary	Kiriti Bhandary	Control Room Operator	15-11-1989	72	101	130/80	409 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
81	PL0002158	Nayan Bouri	Biswanath Bouri	Welder	05-01-1993	82	80	130/90	90 mg/dl	"B"	Positive	Normal		Normal				
82	PL0001603	Nivas Kumar	Upendra Prasad Sah	Electrician	25-10-1987	58	80	110/70	128 mg/dl	"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
83	PL0002245	Pankaj Paswan	Indradeo Paswan	Field Operator	15-06-1988	67	80	120/80	96 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
84	PL0000278	Papinder Singh	TIGER GURU SHARAN SINGH	Technician	26-10-1993	56		110/70	119 mg/dl	"B"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
85	PL0000205	Pappu Kumar Singh	Amar Singh	Fitter	01-01-1977	79	84	130/80	109 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	

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Health checkup details of Employees

DATE : 04-10-2023

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
86	PL0001990	Partha Sarathi Mondal	Dulal Chandra Mondal	Senior Electrician	09-05-1994	59	96	140/90	141 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
87	PL0000589	Pintu Singh	Birender Singh	Senior Electrician	01-01-1986	69	80	120/80	125 mg/dl	"AB"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
88	PL0001991	Piyari Mahato	Late Lilu Mahato	Senior Fitter	16-08-1990	65	104	130/80	107 mg/dl	"B"	Positive	Normal		Normal				
89	PL0002252	Piyush Kumar	Pankaj Kumar Choudhary	Batching Operator	16-09-1992	78	113	130/80	409 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
90	PL0002083	Pradeep Kumar Napit	Late Govind Chandra Napit	Senior Fitter	04-01-1977	67	74	110/70		"O"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
91	PL0000483	Pradyot Kumar Khan	AJIT KUMAR KHAN	Electrician	22-11-1972	62		100/80	96 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
92	PL0000819	Prakash Kumar Pranava	Upendra Prasad	Fitter	15-12-1990	66	87	110/70	128 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
93	PL0001459	Prasanta Bhattacharya	Late Sagardas Bhattacharya	Control Room Operator	14-06-1967	59	74	130/90	260 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
94	PL0000156	Prasanta Karmakar	Late Monindra Karmakar	Senior Electrician	04-09-1983	79	105	140/90	141 mg/dl	"O"	Negative	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
95	PL0002058	Prasenjit Mahato	Haripada Mahato	Senior Electrician	01-04-1991	62	74	120/90	107 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
96	PL0000493	Purusottam Bhuyan	BHANUCHARAN BHUYAN	Control Room Operator	01-04-1981	82		130/80	107 mg/dl	"O"	Positive	Normal		Normal				
97	PL0001375	Rabi Shaw	JAMUNA PRASAD SHAW	Welder	17-06-1985	72	99	130/80	92 mg/dl	"O"	Negative	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
98	PL0000590	Rabindra Kumar	Prakash Kumar	Senior Fitter	01-07-1979	79	84	130/80	107 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
99	PL0001852	Rabindranath Bera	Late Gopal Chandra Bera	Senior Electrician	07-06-1966	62		120/90	97 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
100	PL0000534	Rabindranath Das	SHANTI BOURI	Fitter	01-01-1971	62	74	110/70	117 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
101	S010150095	MANOJ BAURI	JHAPU BAURI	Helper	03-02-1999	59	101	140/90	107 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D	Normal	
102	S010150100	GOUTAM LAHA	BHRAMAR KANTO LAHA	Helper	01-01-1978	79	104	130/80	128 mg/dl	"AB"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
103	S010150101	SASTI GORAI	GANESH GORAI	Supervisor	18-02-2002	62	84	110/90	107 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
104	S010150102	HEMANTA SOREN	GAUTAM SOREN	Helper	26-02-2002	82		130/80	409 mg/dl	"B"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
105	S010160016	Biswajit Mudi	Tapan Mudi	Bufferman	05-08-1992	72	104	130/80	96 mg/dl	"B"	Positive	Normal		Normal				

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Health checkup details of Employees

DATE : 04-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
106	S010160017	Kuran Tantuba	Sunil Tantubai	Helper	02-04-1990	59	90	120/80	151 mg/dl	"AB"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
107	S010160029	Sunil Hembram	Salku Hembram	Bufferman	23-01-1981	82		110/70	117 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
108	S010160060	PRASANTA MUDI	SATISH MUDI	Bufferman	01-01-1991	65	84	110/70	117 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
109	S010160063	PARIKSHIT MANDAL	SUNIL MANDAL	Helper	13-01-1983	78	99	110/70	127 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
110	S010160080	MADAN BADYAKAR	MANOHAR BADYAKAR	Supervisor	14-09-1985	57	109	136/70	107 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
111	S010160084	LAXMIKANTA BAIURI	HARADHAN BAURI	Helper	11-01-1998	64	99	120/90	109 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
112	S010160088	NIKHIL CHAKRABORTY	TARAPADA CHAKRABORTY	Helper	03-03-1974	59	90	144/90		"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
113	PL0000308	Radhawendra Jha	LAKSHAMIKANT JHA	LAB Assistant	08-03-1976	61	80	130/80	92 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
114	PL0000152	Raghunath Sutradhar	Late Bijay Chandra Sutradhar	Senior Electrician	30-07-1974	65	96	110/90	128 mg/dl	"AB"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
115	PL0002088	Rahul Sharma	Ramashankar Shrma	Assistant Fitter	11-07-1997	59	84	140/90	148 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
116	PL0000605	Rajen Chouhan	Mahesh Chouhan	Assist. Operator Cum Fitter	10-01-1981	66	109	136/70	127 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
117	PL0001993	Rajendra Prasad Mondal	Jaidv Mandal	Welder	18-08-1989	69	90	130/90	260 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
118	PL0000613	Rajesh Kumar	Late Jagdish Mahato	Fitter	01-07-1992	54	76	108/80	99 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
119	PL0000609	Rajesh Kumar Singh	LT UMANATH SINGH	Senior Fitter	05-10-1988	75	87	140/90	119 mg/dl	"B"	Positive				Distance 6/6	N6 Near	Normal	
120	PL0001220	Rajesh Pal	Nanda Dulal Paul	Electrician	11-05-1986	74	84	130/90	90 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
121	PL0001916	Rajesh Singh	Sanatan Sing	Tapper	18-09-1988	74	76	140/90	119 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
122	PL0001994	Rajib Kumar Atha	Ajay Kumar Atha	Senior Technician	14-04-1992	59		110/70		"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
123	PL0000449	Rajib Maji	Aloke kumar Maji	Electrician	01-01-1992	59		130/80	409 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
124	PL0000291	Rajiv Kumar Sharma	Kailash Sharma	Operator	01-01-1985	61	67	120/80	96 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
125	PL0000627	Rajkishor Ram	Badri Ram	Fitter	01-01-1973	60	111	110/90	128 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
126	PL0000600	Ramanand Singh	DAYANAND SINGH	Fitter Cum Welder	01-01-1975	58		130/70	95 mg/dl	"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
127	PL0001454	Rambalee Kumar	PARAS SINGH	Senior Fitter	05-01-1984	73	118	130/80	409 mg/dl	"A"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	

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Health checkup details of Employees

DATE : 05-10-2023

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
128	PL0000594	Rambirajan Paswan	Late Jahwar Ram	Fitter	01-01-1983	78	99	140/90	119 mg/dl	"A"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
129	PL0002283	Ramkrisbna Bauri	Late Gurupada Bauri	Belt Jointer	01-01-1986	64	76	120/80	145 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
130	PL0000158	Ranjeet Kumar	Hare Krishan Singh	Electrician	10-02-1992	69	104	130/90	260 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
131	PL0001687	Ranjeet Kumar	Paltu Singh	Fitter	25-01-1983	65	74	100/80	96 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
132	PL0000846	Ravi Shankar Kumar	Rajendra Mahto	Operator	05-01-1989	82	90	140/90	119 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
133	PL0000598	Rizwanali Khan	Late Shamshul Haque Khan	Elcctrician	04-11-1970	59	80	110/90	128 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
134	PL0002121	Robin Banerjee	Late Gour Banerjee	Welder	02-02-1990	62	90	150/100	151 mg/dl	"B"	Positive	Normal		Normal				
135	PL0001216	Rohit Kumar Yadav	Amaerjeet Yadav	Helper	04-03-1995	63		120/80	96 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
136	PL0002247	Sachin Karmakar	Late Mahadev Karmakar	Assistant	11-01-1971	62		100/80	96 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
137	PL0000524	Sahid Ansari	SAHABUDDIN ANSARI	Assistant Fitter	01-01-1977	74	118	130/90	90 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
138	PL0000653	Saikat Santikary	BIDHAN CHANDRA SANTIKARY	Store Keeper	25-04-1994	62		130/80	409 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
139	PL0000585	Sailender Patel	Purushatam Patel	Fitter	01-01-1975	68	80	130/70	95 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
140	PL0000471	Sajal Mondal	SUBHAS CHANDRA MONDAL	Senior Electrician	23-01-1982	70	90	136/70	127 mg/dl	"B"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
141	PL0002241	Sambhu Bagdi	Ajit Bagdi	Tapper	02-04-1977	59	74	150/100	151 mg/dl	"B"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
142	PL0002307	Samiran Mahato	Ashwini Mahato	Forklift Operator	18-08-1986	59	84	136/70	127 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
143	PL0002332	Sandeep Kumar Sinha	Krishnadeo Prasad Sinha	Fitter	10-10-1986	55	84	110/80		"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
144	PL0000150	Sanjay Halder	Maharaj Halder	Electrician	25-11-1982	67	74	100/80	96 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
145	PL0000159	Sanjay Kumar	Nokhe Lal Bhagat	Electrician	15-05-1980	76	113	136/97		"A"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
146	PL0001198	Sanjay Kumar Kushwaha	Late Narayan Mahato	1st Class Boiler Operator	16-06-1983	64		120/80	145 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
147	PL0000522	Sanjay Mahato	ASWINI MAHATO	Fitter	13-09-1986	59	99	120/80	96 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
148	PL0001314	Sanjay Prasad	BALESHWAR MAHTO	Fitter	08-02-1981	64	80	120/90	107 mg/dl	"A"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
149	PL0000596	Sanjeet Kumar	JAGESHWAR PANDIT	Junior Fitter	01-02-1984	57	84	117/76	119 mg/dl	"A"	Negative	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
150	PL0002278	Sanjeet Kumar	Late Subash Ray	Fitter	13-02-1994	57	87	140/90	148 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
151	PL0002143	Sanjoy Mandal	Biswabasu Mandal	Florklift Operator	03-08-1978	64	96	117/76	104 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
152	PL0002174	Santanu Adhikary	CHANDRASHEKHAR ADHIKARY	Electrician	21-05-1993	74	104	136/70	127 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
153	PL0001878	Santanu Kumar Patra	Madan Mohan Patra	Fitter	20-06-1973	64	90	130/80	409 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
154	S010180017	Jaydhan Murmu	Haru Murmu	Helper	15-05-2002	65	104	110/80	119 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
155	S010180019	Suman Gorai	Sukkumar Gorai	Helper	01-01-1995	62	86	140/80	119 mg/dl	"AB"	Positive	Normal		Normal				
156	S010180020	Budhan Bauri	Mantu Bauri	Helper	18-04-1995	66	80	140/90	125 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
157	S010180021	Bikash Bouri	Bijoy Bouri	Helper	06-04-1990	59	87	120/80	151 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
158	S010180022	Mukesh Bauri	Swapan Bauri	Helper	09-08-2001	79	84	150/100	260 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
159	S010180023	Rohit Bauri	Tapan Bauri	Helper	13-04-2000	62	84	130/90	90 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
160	S010180028	Rathin Murmu	Ratu Murmu	Helper	18-04-1984	82		130/90	145 mg/dl	"B"	Positive							
161	S010180030	Beleswar Murmu	Sanatan Murmu	Helper	07-03-1997	72	87	120/80	92 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
162	S010210009	KALACHAND MONDAL	GYANMOY MONDAL	Welder	16-02-1987	79	84	130/80	125 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
163	S010210010	Apurba Mondal	Pandobashwar Mondal	Welder	01-01-1984	62		120/80	128 mg/dl	"B"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
164	S010210012	UJJAL ACHAJEE	SUKUMAR ACHARJEE	Mechanical Helper	15-09-1997	62	80	110/90	141 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
165	S010210013	MAHESWAR MANDAL	NIRANJAN MANDAL	Welder	16-06-1992	61	101	140/90	119 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
166	S010210025	Sk Golam	Sk Samad	Fitter	20-02-2002	65	90	117/76	107 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
167	S010210033	DULAL MAITI	SACHINDRA MAITI	Fitter	01-01-1989	59	90	120/90	107 mg/dl	"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
168	PL0000839	Santosh Kumar	LAKSHMI KANT KUMAR	Electrician	23-02-1982	74	104	130/80	107 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
169	PL0001483	Satyendra Roy	Late Gyanendra Roy	Tapper	30-11-1983	82	99	140/90	141 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
170	PL0002137	Shanta Tantubay	Sadananda Tantubay	Welder	01-04-1991	54	86	110/70	117 mg/dl	"B"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
171	PL0002144	Shantanu Mahato	Ashni Mahato	Florklift Operator	17-12-1990	67	104	110/70	119 mg/dl	"B"	Positive	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
172	PL0000498	Shekhar Mandal	BIJAY MANDAL	Control Room Operator	01-01-1986	57		130/70	95 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
173	PL0000669	Shidhan Yadav	Indrajit Yadav	Electrician	01-01-1989	68	105	136/70	127 mg/dl	"O"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
174	PL0000651	Shiv Kumar	Surendra Singh	Electrician	02-04-1980	56	92	130/90	260 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
175	PL0000606	Shyam Lal Das	Late Hiralal Das	Electrician	03-05-1985	58	74	110/70	128 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
176	PL0001942	Shyamjee Kumar	Rajdev Yadav	Fitter	07-03-1992	70	111	130/90	260 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
177	PL0002246	SK Firdous	Sk Jahir	Tapper	01-01-1990	67	99	130/80	92 mg/dl	"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
178	PL0001056	Sk Hasibul Hasan	SK KHOSNABI	Fitter	19-10-1987	67	80	130/80	409 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
179	PL0000810	Sk Mustakin	SK SHAKUR	Welder	13-05-1990	57		110/70	128 mg/dl	"AB"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
180	PL0001023	Somenath Paul	SUNIL PAUL	Operator	30-07-1985	67	87	130/70	95 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
181	PL0000659	Sonu Kumar Singh	Surendra Singh	Fitter	20-10-1987	52	74	117/76	104 mg/dl	"B"	Negative			Normal	Distance 6/6	N6 Near	Normal	
182	PL0002082	Sourav Giri	Jamini Giri	Field Operator	03-10-1997	64	80	130/80	409 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
183	PL0000523	Sourav Mitra	SHAKTI PADA MITRA	Junior Fitter	25-03-1979	78	84	144/90	109 mg/dl	"O"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
184	PL0002229	Srikanta Mandal	Ashok Mandal	Fitter	29-11-1990	54	84	140/90	148 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
185	PL0002206	Subash Das	Late Sahdev Das	Senior Tapper	01-01-1975	78	101	109/74	103 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
186	PL0002218	Subhnarayan	Lalluram	Fitter	05-08-1992	82		110/70	117 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
187	PL0000474	Sudhakar Mahato	MAHADEB MAHATO	Senior Electrician	22-10-1974	59	111	100/80	96 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
188	PL0002331	Sudhakar Singh	Onkarnath Singh	Senior Fitter	01-01-1984	65	80	120/90	107 mg/dl	"A"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	

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DATE : 06-10-2023

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
189	PL0000293	Sujit Paramanik	GANESH CHANDRA PARAMANIK	Assistant Fitter	16-02-1980	64	96	130/90	90 mg/dl	"A"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
190	PL0001484	Suklal Tudu	Ratan Tudu	Tapper	01-01-1987	59	84	130/80	107 mg/dl	"O"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
191	PL0001989	Sumit Gorai	Bhaduri Gorai	Junior Electrician	25-12-1988	63	111	110/90	128 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
192	PL0002271	Sunil Kumar Singh	Ramjee Singh	Foreman	01-01-1983	74	101	108/80	99 mg/dl	"B"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
193	PL0000608	Sunil Yadav	ARJUN YADAV	Welder	01-01-1980	55		100/80	96 mg/dl	"B"	Positive	Normal		Normal				
194	PL0002372	Suno Kisku	Late Sunil Kisku	MRP Operator	21-03-1998	69		110/90	128 mg/dl	"A"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
195	PL0001640	Surjakanta Rajak	Banshi Rajak	Chemist	13-06-1986	67		136/70	127 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
196	PL0001731	Swapan Bauri	Nimai Bauri	Welder	27-06-1997	72	87	130/80	107 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
197	PL0000477	Tarakeswar Kushbaha	JAGANNATH KUSHBAHA	Motor Winder	17-04-1976	54	96	140/90	119 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
198	PL0000266	Taraknath Gorai	Ananda Gorai	Helper	15-09-1979	81	74	140/80	119 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
199	PL0000521	Taraknath Karmokar	SANATAN KARMAKAR	Welder	01-01-1974	63		120/80	145 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
200	PL0000260	Uday Nonia	RAMSWARUP NONIA	Junior Electrician	25-05-1984	57	84	117/76	104 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
201	PL0000520	Utpal Digar	SASTI PADA DIGAR	Welder	19-02-1975	74	84	140/90	148 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
202	PL0001228	Vicky Yadav	RAMBILASH RAI	Fitter	01-01-1988	82	118	150/100	151 mg/dl	"B"	Positive	Normal		Normal				
203	PL0000186	Vijay Kumar Sharma	Raj Kishor Shrma	Assistant Fitter	01-01-1985	78	99	140/90	119 mg/dl	"B"	Negative			Normal	Distance 6/6	N6 Near	Normal	
204	PL0001124	Vijay Kumar Singh	LATE WAKIL SINGH	Senior Fitter	21-02-1982	76		140/90	148 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
205	PL0002209	Vikash Mahato	Nandalal Mahato	Electrician	18-10-1990	69		140/90	148 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
206	PL0002011	Vikram Kumar	Shri Paswan	Guide Fitter	02-01-2000	54	104	120/80	145 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
207	UL0000001	GOURANGA BOURI	LATE BHADU BOURI	Helper	01-01-1981	65	92	108/80	99 mg/dl	"B"	Positive							
208	UL0000002	Paban Mahato	SHAMBHUNATH MAHATO	Helper	18-01-1978	65	86	130/80	107 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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Health checkup details of Employees

DATE : 06-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
209	UL0000003	LAKHSMAN BAURI	LATE ANIL BOURI	Helper	01-01-1977	70		110/70	102 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
210	UL0000004	DABLU BAURI	BALAI BOURI	Helper	01-01-1983	58		120/80	125 mg/dl	"O"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
211	UL0000005	Mrinal Kanjilal	AMIYA KANJILAL	Helper	01-01-1979	82	104	150/100	151 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
212	UL0000006	Sanjay Bouri	HIRALAL BOURI	Helper	26-03-1983	58	101	110/70	117 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
213	UL0000007	Bablu Chakraborty	SUNIL CHAKRABORTY	Helper	12-07-1989	70	96	140/90	141 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
214	UL0000008	Nityagopal Mondal	JAYDEB MONDAL	Helper	22-02-1985	72	90	130/70	95 mg/dl	"A"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
215	PL0002190	Gautam Rajwar	Biswanath Rajwar	CHP Operator	01-01-1981	84	105	150/100	151 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
216	PL0000292	Gautam Ram	Panchanand Ram	Operator	01-01-1991	82	111	144/90	109 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
217	PL0000834	Giridhari Sahoo	Laxman Sahoo	Assistant Fitter	06-05-1989	78	96	120/80	125 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
218	PL0002274	Gulab Prasad	Mahadev Lal	Foreman	05-02-1983	82	87	130/80	409 mg/dl	"B"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
219	PL0002153	Hemanta Rajak	Gour Rajak	Operator	01-05-1998	62	109	120/80	145 mg/dl	"B"	Negative		Normal	Normal	Distance 6/6	N6 Near	Normal	
220	UL0000009	Somnath Bouri	SUPAL BOURI	Helper	01-01-1987	68	80	120/80	145 mg/dl	"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
221	UL0000010	Uttam Das	MADAN DAS	Helper	01-01-1983	55		110/80	119 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
222	UL0000011	Sufal Saren	GARHADHU SAREN	Helper	01-01-1970	65	84	130/90	120 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
223	UL0000012	ISWAR HEMBRAM	NATHU HEMBRAM	Helper	01-01-1976	72	109	130/70	95 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
224	UL0000013	BINOY SAREN	JADU SAREN	Helper	22-06-1988	80	76	140/90	119 mg/dl	"O"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
225	UL0000014	DILIP BAURI	GENIBALA BOURI	Helper	12-02-1982	56	67	110/90	128 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
226	UL0000015	Shibu Hansda	GORACHAND HANSDA	Helper	01-01-1986	77	96	130/70	95 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
227	UL0000016	Ujjwal Bouri	BHAGIRATH BOURI	Helper	27-03-1983	67	90	110/70	128 mg/dl	"O"	Positive	Normal		Normal				
228	UL0000017	Ajit Singh	PURAN SINGH	Helper	01-01-1976	78	80	140/90	119 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	
229	UL0000018	KRISHNA BAURI	AJIT BAURI	Helper	18-03-1986	59	76	100/80	96 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
230	UL0000019	MANOBODH BAURI	RANJAN BOURI	Helper	01-01-1970	74	109	136/97		"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
231	UL0000020	Bikram Singh	LATE PURAN SINGH	Helper	01-01-1991	67	74	110/70	102 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
232	UL0000021	BIRBAL BAURI	PARUL BOURI	Helper	01-01-1984	57	111	130/70	95 mg/dl	"O"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
233	UL0000022	ANIL MANDI	LAKHIRAM MANDI	Helper	21-02-1980	63	90	136/70	127 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
234	UL0000023	BAPI BAURI	SADHU BOURI	Helper	01-01-1976	59		120/80	145 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
235	UL0000024	BABLU HANSDA	LT LAKHIRAM HANSDA	Helper	01-01-1989	62		120/80	96 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
236	UL0000025	SHRICHARAN RAY	MANGAL RAY	Helper	01-01-1971	70	109	144/90	109 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
237	UL0000026	Balaram Karmakar	NANTU KARMAKAR	Helper	01-01-1988	54	80	120/90	107 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
238	UL0000027	Dharani Hembram	KATI HEMBRAM	Helper	01-01-1987	74	84	110/80		"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
239	UL0000028	RAHUL BAURI	NIMAI BOURI	Helper	01-01-1986	62	84	110/70	117 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
240	PL0002041	Ajit Kumar	Late Dinesh Pandit	Sapper Man	25-12-1988	74		144/90	109 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
241	PL0001951	Ali Hussen	Md Salim	Technician	01-03-1979	82	90	130/80	109 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
242	PL0002091	Aloke Majee	Murulidhar Majee	Senior Electrician	08-01-1986	65	99	120/80	145 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
243	PL0002097	Amar Kumar Bagdi	Basudeb Bagdi	MRP Operator	04-09-1997	59	67	130/90	120 mg/dl	"O"	Positive	Normal		Normal				
244	PL0001076	Ambuj Mahato	BIJOY MAHATO	Senior Fitter	23-06-1987	82		130/80	107 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
245	PL0002004	Amrendra Singh	Ramchandra Singh	Fitter	03-01-1984	65	111	120/90	107 mg/dl	"B"	Positive	Normal		Normal				
246	PL0002100	Amresh Pandey	Norng Pandey	Fitter	05-04-1985	78	84	120/80	96 mg/dl	"O"	Negative		Normal	Normal	Distance 6/6	N6 Near	Normal	
247	UL0000029	BABLU BAURI	DUKHU BOURI	Helper	01-01-1985	57	118	130/70	95 mg/dl	"B"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
248	UL0000030	Sukhamoy Ganguly	FAKIR GANGULI	Helper	01-01-1965	64	80	100/80	96 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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249	UL0000031	ANIL BAURI	FUCHIRAM BAURI	Helper	12-02-1961	59	109	140/90	119 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
250	UL0000032	Khagen Mahato	CHAKRADHAR MAHATO	Helper	26-12-1968	65	74	117/76	119 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
251	UL0000033	NAREN KUMAR MUKHERJEE	DAMUDAR MUKHERJEE	Helper	01-01-1963	59	87	130/90	260 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
252	UL0000034	Rabilal Tudu	SHYAM TUDU	Helper	01-01-1987	74	104	108/80	99 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
253	PL0002320	Aalok Kumar Singh	Kishore Singh	Fitter	01-01-1995	70	80	130/90	90 mg/dl	"O"	Negative	Normal	Normal		Distance 6/6	N6 Near	Normal	
254	PL0002086	Abhishis Das	Manohar Das	Helper	20-04-1996	63	80	109/74	103 mg/dl	"AB"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
255	PL0002000	Aditya Dev Burman	Atul Dev Burman	Assistant Fitter	14-06-1998	62	80	109/74	103 mg/dl	"B"	Positive	Normal	Normal	Normal	6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
256	PL0000626	Ajay Kumar Bharti	SHALIGRAM KAMTI	Senior Electrician	26-02-1987	56	67	100/80	96 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
257	PL0001049	Ajay Mishra	LATE DUDH NATH MISHRA	Electrician	15-07-1993	59	67	100/80	96 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
258	UL0000035	RANJIT BAURI	FULMANI BOURI	Helper	12-09-1980	59		130/90	260 mg/dl	"B"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
259	UL0000036	RANJEET SAREN	LATE LAKHIRAM SAREN	Helper	01-01-1973	64	109	117/76	104 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
260	UL0000037	Rajib Hansda	BAIDYANATH HANSDA	Helper	17-01-1988	63	74	136/70	127 mg/dl	"A"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
261	UL0000038	Sunil Mahato	GOPESHWAR MAHATO	Helper	01-01-1967	65	84	110/70		"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
262	UL0000039	Subodh Mahato	LATE JYOTILAL MAHATO	Helper	21-11-1959	65	84	120/90	107 mg/dl	"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
263	UL0000040	Ashok Tantubay	NARAN TANTUBAY	Helper	09-12-1965	64	109	130/80	92 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
264	UL0000041	Pradyut Mukherjee	AJIT KUMAR MUKHERJEE	Helper	28-08-1983	69	76	130/90	120 mg/dl	"O"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
265	UL0000042	Ruplal Hembram	BHURHA HEMBRAM	Helper	01-01-1965	74	90	136/70	127 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
266	UL0000043	BHARAT HEMBRAM	BAIDYANATH HEMBRAM	Helper	22-03-1987	59		117/76	119 mg/dl	"A"	Negative			Normal	Distance 6/6	N6 Near	Normal	
267	UL0000044	ROBILAL HEMBRAM	LATE MURRA HEMBRAM	Helper	02-02-1970	70	76	136/70	127 mg/dl	"B"	Positive	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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268	UL0000045	SUKDEB MURMU	LATE SANATAN MURMU	Helper	01-01-1965	82	90	110/70	128 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
269	PL0002118	Rakesh Chakraborty	Prabhat Chakraborty	AHP Operator	01-09-1977	69		144/90	109 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
270	S010030334	MANOJ KUMAR YADAV	SURESH YADAV	Timmerman	04-10-1992	91	78	130/70	125 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
271	S010030336	ASHIS MAJI	BAIDHNATH MAJI	Helper	24-04-2000	65	58	120/80	110 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
272	S010030338	ANANDA KUMBHAKAR	SADHAN KUMBHAKAR	Helper	26-04-2001	60	79	160/90	130 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
273	S010030343	NAVDEEP SINGH	NAGDEO SINGH	Mould Operator	21-01-1986	61	86	130/80	135 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
274	S010030346	TUSHAR DAS	BIMAL DAS	Helper	10-02-1996	79	76	120/80	140 mg/dl	"O"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
275	S010040021	Soheb Alam	Abid Alam	Helper	03-01-2002	77	96	120/80	120 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
276	S010040023	Bishnu Mandal	Manik Chandra Mandal	Fitter	25-06-1980	68	78	110/70	130 mg/dl	"B"	Positive				Distance 6/6	N6 Near	Normal	
277	S010040025	Md Mohataseeb Alam	Md Raquib	Supervisor	07-12-1977	70	80	125/70	130 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
278	S010040026	Subir Bannerjee	Ashok Bannerjee	Welder	01-01-1985	66	90	110/70	140 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
279	S010040027	Sankar Gorai	Sanatan Gorai	Welder	16-04-1999	62	90	120/80	125 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
280	S010040030	Mehedi Hasan	Sk Abdul Rahaman	Welder	13-07-1987	71	98	140/90	130 mg/dl	"B"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
281	S010040031	Gautam Bauri	Abinash Bauri	Fitter	20-10-1995	72	55	140/90	140 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
282	PL0000501	Rakesh Goswami	DILIP GOSWAMI	Operator	17-12-1994	67	80	110/70	119 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
283	PL0000290	Rakesh Kumar	Samsar Chand	Senior Operator	01-04-1976	59	90	120/80	145 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
284	PL0000735	Rakesh Kumar	GHAMNDI YADAV	Cutter	01-01-1992	52	113	109/74	103 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
285	UL0000046	Surendra Hansda	LATE KALO HANSDA	Helper	01-01-1969	74	74	108/80	99 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
286	UL0000047	FANI BAURI	ISHWAR BAURI	Helper	01-01-1976	62	84	100/80	96 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
287	UL0000048	Kalipada Murmu	GUDA MURMU	Helper	01-01-1974		84	140/90	141 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
288	UL0000049	LAKSHIRAM MURMMU	MANGAL MURMU	Helper	01-01-1985	59	87	130/90	260 mg/dl	"B"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	

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289	UL0000051	PURNACHANDRA BOURI	BASU BOURI	Helper	01-01-1982	59	76	120/80	96 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
290	UL0000053	RAJIB BAURI	PRABHAKAR BAURI	Helper	01-01-1990	74	67	130/90	90 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
291	UL0000054	PRABODH MAHATO	GANGADHAR MAHATO	Helper	01-01-1973	67	80	150/100	151 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
292	UL0000055	SIBU MURMU	LATE SUKU MURMU	Helper	01-01-1993	57	74	140/90	148 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
293	UL0000056	RABILAL TUDU	BARKA TUDU	Helper	01-01-1986	67	87	120/80	96 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
294	UL0000057	RAGHUNATH MANDI	SHAMBHU MANDI	Helper	01-01-1988	63	76	144/90	109 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
295	UL0000058	RAMLAL SAREN	GARADHU SAREN	Helper	01-01-1982	59	90	130/90	90 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
296	UL0000059	SUSHIL BAURI	SHIBU BAURI	Helper	11-04-1977	79	80	150/100	151 mg/dl	"AB"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
297	UL0000060	Subades Tudu	RABILAL TUDU	Helper	01-01-1987	78	101	150/100	151 mg/dl	"A"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
298	UL0000061	SAHADEB HANSDA	LATE BAIDYANATH HANSDA	Helper	01-01-1984	74	87	120/90	107 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
299	UL0000062	BINOD BAURI	ARUN BOURI	Helper	01-01-1986	57	67	110/70	117 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
300	UL0000063	LAXMIKANTA BAURI	DHARANI BOURI	Helper	01-01-1991	59	92	130/90	90 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
301	UL0000064	Naran Das	NEPAL DAS	Helper	01-01-1991	82	96	110/80		"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
302	PL0000264	Anant Kumar	Umapati Singh	Fitter	10-06-1986	59		110/70	119 mg/dl	"A"	Positive	Normal		Normal				
303	PL0000250	Anil Kumar Singh	Ramsaran Mahato	LAB Assistant	22-12-1975	68	80	130/70	95 mg/dl	"A"	Negative			Normal	Distance 6/6	N6 Near	Normal	
304	PL0001416	Anil Prasad Ram	LATE RAMANAND RAM	Electrician	18-11-1978	67	80	130/80	107 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
305	PL0000584	Arindam Mukherjee	Sinil Mukherjee	Electrician	22-04-1986	66	109	136/70	127 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
306	PL0000245	Arjun Kumar Singh	Parma Singh	Fitter	01-01-1989	67	118	130/90	120 mg/dl	"A"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
307	PL0002328	Arun Chatterjee	Subodh Chatterjee	Electrician	08-03-1994	84	74	150/100	151 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
308	UL0000065	UTTAM BAURI	PRANKRISHNA BAURI	Helper	01-01-1970	59	105	130/80	92 mg/dl	"A"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	

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Health checkup details of Employees

DATE : 07-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
309	UL0000066	JIHU LAL MUDI	DASHARATH MUDI	Helper	01-09-1977	67	113	140/90	148 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
310	UL0000067	Panchanan Bouri	SATYANARAYAN BOURI	Helper	21-01-1989	78	80	120/80	96 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
311	UL0000068	Dipak Kora	PASHUPATI KORA	Helper	01-01-1987	67	74	120/80	145 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
312	UL0000069	KRISHNAPADA HANSDA	BHOLANATH HANSDA	Helper	13-03-1992	59	74	144/90	109 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
313	UL0000070	LAKSHMIKANTA TUDU	FUCHIRAM TUDU	Helper	18-10-1989	65	96	130/90	90 mg/dl	"AB"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
314	UL0000071	Ananda Karmakar	KISHTAPADA KARMAKAR	Helper	01-01-1986	59	86	120/90	107 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
315	UL0000072	ANANDA BAURI	DHANANJAY BOURI	Helper	01-01-1971	70	113	130/80	92 mg/dl	"AB"	Positive	Normal		Normal				
316	UL0000073	AMRIT BAURI	SAHADEV BOURI	Helper	01-01-1983	74	118	120/80	145 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
317	UL0000074	BIKASH ROY	ARUN ROY	Helper	05-08-1983	62	84	144/90	109 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
318	UL0000075	Goutam Bouri	DHIREN BOURI	Helper	01-01-1980	82	74	120/90	107 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
319	UL0000076	Gopeswar Tudu	JISU TUDU	Helper	10-01-1983	67	90	120/80	96 mg/dl	"O"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
320	UL0000077	ANANDA SOREN	RATAN SAREN	Helper	01-01-1983	63	67	144/90	109 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
321	UL0000078	Sudhir Mallick	GOUR MALLICK	Helper	01-01-1970	59	111	130/90	90 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
322	UL0000079	Kajol Bouri	MANOHAR BOURI	Helper	01-01-1980	65	96	150/100	151 mg/dl	"A"	Negative		Normal	Normal	Distance 6/6	N6 Near	Normal	
323	UL0000080	MILAN BAURI	BHARATI BOURI	Helper	02-05-1987		104	120/90	107 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
324	UL0000081	MONI MOY NATH	NISHAKAR NATH	Helper	11-11-1979	63	90	110/80		"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
325	PL0001139	Arup Chaudhuri	NIKHIL CHAUDHURI	Senior Electrician	01-01-1987	57	90	110/90	128 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
326	PL0001219	Arup Ganguli	Panchanan Ganguli	Helper	02-10-1985	79	99	144/90	109 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
327	PL0000307	Ashim Dey	Late Amar Dey	Senior Operator	25-02-1991	56		110/80	119 mg/dl	"B"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
328	PL0000149	Ashish Pal	Lochan Pal	Electrician	02-03-1987	61	90	130/80	409 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
329	PL0002401	Avishek Giri	Ganesh Giri	Electrician	18-03-1995	82	80	140/90	148 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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Health checkup details of Employees

DATE : 09-10-2023

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
330	UL0000082	MADHUSUDAN BAURI	LATE PRABHAKAR BOURI	Helper	11-02-1985	78		130/80	92 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
331	UL0000083	PRADEEP TANTUBAY	SITARAM TANTUBAY	Helper	01-01-1971	60	80	110/70	117 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
332	UL0000084	Prakash Roy	JITENDRANATH ROY	Helper	30-12-1988	65		120/80	145 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
333	UL0000085	Pradip Roy	SANTI ROY	Helper	01-01-1989	56		120/80	96 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
334	UL0000086	SWAPAN BOURI	GOPAL BOURI	Helper	01-01-1975	86	109	144/90	109 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
335	UL0000087	Swapan Mallick	SADANANDA MALLICK	Helper	01-01-1982	58	84	110/70	117 mg/dl	"O"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
336	UL0000088	Tinu Bouri	TARAPADA BOURI	Helper	01-01-1974	75	109	130/80	409 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
337	UL0000089	TAPAS BAURI	SANATAN BOURI	Helper	01-01-1990	65	74	120/80	145 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
338	UL0000090	KESHAB BAURI	AMRIT BOURI	Helper	09-03-1995	60	80	120/80	96 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
339	UL0000092	Badal Majhi	SUDAN MAJHI	Helper	01-01-1965	56	67	110/90	128 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
340	UL0000093	Baidyanath Saren	MANGAL SAREN	Helper	01-01-1978	77	96	130/70	95 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
341	UL0000094	BIPAN BAURI	FICHIRAM BOURI	Helper	28-03-1981	67	90	110/70	128 mg/dl	"O"	Positive	Normal		Normal				
342	PL0002276	Bablu Garai	Sakari Garai	Fitter	28-01-1986	59		109/74	103 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
343	PL0000926	Bablu Kumar	Ramshakal Sah	Rigger	01-01-1997	64	101	130/90	260 mg/dl	"O"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
344	PL0002364	Balaram Mandal	Prasanta Mandal	Control Room Operator	25-02-1999	67	84	120/80	125 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
345	PL0000164	Balvir Singh	Ranjit Singh	Junior Electrician	31-12-1987	69	80	120/90	97 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
346	PL0002166	Baneswar Ray	Paresh Ray	Junior Fitter	07-02-1996	64	84	130/80	148 mg/dl	"B"	Negative				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
347	UL0000095	CHANDA SAREN	MANGAL SAREN	Helper	13-04-1969	78	80	140/90	119 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
348	UL0000096	Dinesh Roy	SANTOSH ROY	Helper	15-01-1973	59	76	100/80	96 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
349	UL0000097	RABI SOREN	SUKU SOREN	Helper	13-05-1996	74	109	136/97		"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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350	UL0000098	MANIK BAURI	SHIBU BOURI	Helper	23-08-1983	67	74	110/70	102 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
351	UL0000099	Nabik Mallick	LATE LAKAURI MALLICK	Helper	15-04-1970	57	111	130/70	95 mg/dl	"O"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
352	UL0000100	Parimal Tantubay	NARAN TANTUBAY	Helper	01-01-1976	63	90	136/70	127 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
353	S010010009	Rameswar Baskey	Sunaram	Bariman	15-02-1985	72	95	120/80	110 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
354	S010010010	Nitai Mondal	Sahadev Monadal	Bariman	05-01-1997	65	98	130/80	122 mg/dl	"B"	Positive				Distance 6/6	N6 Near	Normal	
355	S010010201	Nagina Bhuian	Booth Bhuian	Bariman	01-01-1986	92	97	140/90	115 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
356	S010010202	Nandu Bhuiya	Suryo Bhuiya	Bariman	01-01-1987	65	67	150/80	116 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
357	S010010205	Subodh Mandi	Debilal Mandi	Furnace Helper	01-01-1993	52	90	130/90	118 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
358	S010010213	Ramagya Kuswa	Chhathu Kuswa	First Hand	02-05-1980	63	94	130/70	120 mg/dl	"O"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
359	S010010217	Budheswar Besra	Somai Besra	Furnace Helper	09-03-1987	78	130	130/90	130 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
360	S010010233	Roshan Kumar Ghasi	Krishna Ghasi	Bariman	06-09-1989	76	106	140/90	135 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
361	S010010330	Manager Manjhi	Vriksh Manjhi	Patching Helper	01-01-1974	64	85	120/70	125 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
362	S010010360	RAM KUMAR	JAGRUP MANJHI	Bariman	09-05-1992	60	86	130/70	120 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
363	S010010361	VINOD YADAV	BAIJU YADAV	Bariman	01-01-1984	54	113	140/90	125 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
364	S010010481	UJJAL KR MANDAL	NITAI MANDAL	Bariman	12-03-1982	63	71	110/80	120 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
365	S010020033	Rakhal Bouri	Haripada Bauri	Bufferman	01-01-1975	62	78	120/80	115 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
366	S010020035	Manilal Bauri	Netai Bauri	Bufferman	14-07-1987	61	89	140/80	120 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
367	S010020212	Ajay Mahato	Kailash Mahato	Belt Helper	12-10-1998	80	70	140/80	130 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
368	S010020215	Pratham Mahato	Padmalachan Mahato	Belt Helper	30-05-1990	83	82	106/60	130 mg/dl	"AB"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
369	S010020288	AJOY BOURI	RABI BOURI	Crane Operator	12-05-1995	62	88	140/80	135 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
370	S010020293	DAYAL BAURI	CHAITA BAURI	Supervisor	13-06-1981	79	123	130/70	125 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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371	S010020379	GOPIKISHAN BAURI	LAKSHMIKANT BAURI	Helper	31-05-2004	77	103	140/90	120 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
372	S010020382	PRODIP BOURI	ANKUR BOURI	Helper	05-08-1994	55	96	110/70	125 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
373	S010020394	DILIP BAURI	AASU BAURI	Helper	01-01-1977	61	93	120/60	115 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
374	S010020400	INDRAJIT MAHATO	YUDHISTRI MHATO	Helper	26-12-2000	76	83	130/80	120 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
375	S010030015	Santosh Kumar Badatya	Shyam Sundar Badatya	Fitter	05-05-1988	59	78	110/70	130 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
376	S010030032	Sushanta Bauri	Debu Bauri	Helper	01-04-1998	61	97	120/70	125 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
377	S010030212	Ankit Paswad	Jogindar Paswad	Pump Operator	02-03-1997	57	97	120/80	120 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	
378	S010030231	Ajay Kumar Verma	Ramswarup Saw	Timmerman	01-01-1982	97	85	120/70	125 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
379	S010030232	MD MAZHAR	SAMIM MOHAMMAD	Laddleman	25-11-1988	69	116	140/90	120 mg/dl	"B"	Positive				Distance 6/6	N6 Near	Normal	
380	S010040035	Gourhari Mallick	Shyamapada Mallick	Helper	20-10-1989	75	83	120/70	140 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
381	S010050011	Marshal Mandi	Phagu Mandi	Helper	07-11-1995	59	89	130/70	125 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
382	S010050087	KAJAL DAS	DHANAJAY DAS	Helper	15-03-2002	89	98	110/70	130 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
383	S010050287	AMIT BAURI	BUDHAN BAURI	Helper	21-12-1994	80	72	130/70	135 mg/dl	"AB"	Positive	Normal		Normal				
384	S010050288	DAKTAR SAREN	BABURAM SAREN	Helper	06-12-2000	65	100	120/80	140 mg/dl	"B"	Positive				Distance 6/6	N6 Near	Normal	
385	S010050342	SATYAM BAURI	PARKASH BAURI	Helper	05-02-2005	65	102	110/80	140 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
386	S010050343	RAMPADA MAHATO	MADAN MAHATO	Helper	01-04-1997	102	85	140/80	135 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
387	S010050348	MANGAL KISKU	BHIM KISKU	Helper	17-11-1990	60	89	130/90	130 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
388	S010050350	MOTILAL TIUDU	PARDHAN TUDU	Helper	15-04-2003	70	100	120/70	135 mg/dl	"B"	Positive	Normal		Normal				
389	S010050352	BILTU SUTRADHAR	NIRODH KUMAR SUTRADHAR	Helper	01-01-1993	60	110	130/80	140 mg/dl	"O"	Positive	Normal		Normal				
390	S010050353	SURAJ KUMAR YADAV	AKHILESH YADAV	Supervisor	01-01-2003	76	80	120/80	130 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
391	S010060002	Jyotirmoy Bouri	Nagar Bauri	Helper	02-03-1996	63	67	120/70	135 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
392	S010060003	Uttam Chatterjee	Kumaresh Chatterjee	Helper	09-10-1969	58	96	130/70	140 mg/dl	"B"	Positive	Normal		Normal				
393	S010060005	Ruplal Soren	Bilam Soren	Helper	08-10-1990	70	89	130/80	145 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	

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394	S010060013	Dilip Kr Bauri	Sukdeb Bauri	Helper	02-01-1979	76	86	100/70	125 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
395	S010060014	Chandeswar Sharma	Manik Sharma	Helper	01-01-1973	77	66	160/90	135 mg/dl	"O"	Positive				6/9 Distance, (BE=-0.75D)6/6 with glass	N6 BE Near	Normal	
396	S010060017	Sujit Paramanik	Subodh Ch Paramanik	Helper	07-01-1964	60	112	107/70	130 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
397	S010060019	Rajib Modak	Durgadas Modak	Helper	06-05-1991	75	84	110/60	125 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
398	S010060020	Bhirabnath Murmu	Dukhu Murmu	Helper	02-04-1993	63	82	110/70	145 mg/dl	"AB"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
399	S010060194	PRADIPTA DEY	DEBIPRASAD DEY	Supervisor	02-07-1979	60	79	110/60	140 mg/dl	"A"	Positive	Normal		Normal				
400	S010070052	DINESH KUMAR YADAV	HARI YADAV	Security Guard	10-04-1979	63	99	140/90	130 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
401	S010070062	SUSHANTA SUTRADHAR	LT.ANATH BANDHU SYTRADHAR	Security Guard	22-04-1976	66	72	100/60	135 mg/dl	"AB"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
402	S010070063	VIKASH HEMBRAM	SUNIL HEMBRAM	Security Guard	01-01-2005	69	81	120/70	130 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
403	S010070066	JAMES HEMBRAM	JOKIM HEMBRAM	Security Guard	19-05-1982	55	86	130/70	140 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
404	S010070070	KANHAIYA KUMAR SHARMA	LT JAWAHAR PRASAD SHARMA	Security Guard	01-03-1971	56	106	110/80	155 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
405	S010070114	ABHIJEET SINGH	RAMAKBAL SINGH	Security Guard	09-08-1999	89	114	120/80	150 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
406	S010070115	AJAY KUMAR DUBEY	GOPAL KRISHNA DUBEY	Security Guard	01-01-1978	66	81	150/80	130 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
407	S010070116	SALIM ANSARI	ANISHA KHATOON	Security Guard	01-01-1997	69	95	120/80	125 mg/dl	"O"	Positive	Normal		Normal				
408	S010070117	PARNAV CHAKRABORTY	AHINDRA CHAKRBORTY	Security Guard	15-10-1979	65	106	120/70	135 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
409	S010080059	Arun Ghosh	Ramrabi Ghosh	Security Guard	09-01-1973	61	81	110/70	130 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
410	S010080210	Ajay Kumar Ishwar	Nityanand Ishwar	Security Guard	15-08-1997	65	79	120/80	145 mg/dl	"A"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
411	S010080218	BIJAY TIWARI	LT. NARSINGH TIWARI	Security Guard	02-10-1974	71	90	120/80	140 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
412	S010080225	SUVENDU DUTTA	LT, DULAL CHANDRA DUTTA	Security Guard	01-01-1977	81	100	130/70	145 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
413	S010080236	MD. SABIR	LT. MD ZAKIR	Security Guard	04-02-1994	52	95	120/80	120 mg/dl	"A"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
414	S010080253	DEEPAK MAHATO	DASARATH MAHATO	Security Guard	20-09-1994	73	84	134/85	110 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
415	S010080257	CHINTU KUMAR	BINAY SINGH	Security Guard	08-04-2002	67	84	122/80	112 mg/dl	"O"	Negative			Normal	Distance 6/6	N6 Near	Normal	
416	S010080270	ASIM GOSWAMI	ANANDA KISHOR GOSWAMI	Security Supervisor	04-04-1987	59	97	125/83	153 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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VILL - MADANDIH, PO - BARTORIA, PS - NETURIA, DIST - PURULIA, WEST BENGAL

Health checkup details of Employees

DATE : 10-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
417	S010090127	SANTANU GOSWAMI	GOPAL CHANDRA GOSWAMI	Security Guard	01-01-1980	65	77	130/80	115 mg/dl	"B"	Negative	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
418	S010090130	GOUR PARAMANIK	PRAFULLA PARAMANIK	Security Guard	15-03-1986	70	74	110/70	110 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
419	S010090144	TUFAN DAS	DABLU DAS	Security Guard	01-01-1993	74	80	130/83	105 mg/dl	"A"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
420	S010090145	JHON DAS	RAJEN DAS	Security Guard	01-01-1998	86	83	170/115	109 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
421	S010090152	MEGNATH MANDI	NABIN MANDI	Security Guard	01-01-1994	52	76	120/70	87 mg/dl	"A"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
422	S010090154	LAKHIRAM MARANDI	BALDEB MARANDI	Security Guard	01-01-2000	70	88	120/72	88 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
423	S010090156	BAIDHANATH MAJHI	LAKHU MAJHI LAKHU MAJH	Security Guard	30-07-2000	71	74	132/89	95 mg/dl	"A"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
424	S010090157	HEMLAL MURMU 2	BHAKTA MURMU	Security Guard	11-01-1990	70	120	127/78	104 mg/dl	"O"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
425	S010090163	SUNIL RAJAK	LT. JAGANANATH RAJAK	Security Guard	10-05-1975	75	80	140/80	132 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
426	S010090181	RABIN MAHATO	MADHUSUDAN MAHATO	Security Guard	09-11-1977	84	80	147/98	66 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
427	S010090184	MANIK BAURI	KHEPU BAURI	Security Guard	12-03-1984	72	103	120/77	113 mg/dl	"O"	Positive	abnormal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
428	S010090186	SHYAM LAL MURMU	BHAKTA MURMU	Security Guard	09-03-1992	69	115	140/90	116 mg/dl	"AB"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
429	S010090188	SANJAY KUMAR MHATO	LT. JOGINDO MHATO	Security Guard	06-04-1989	58	115	135/83	252 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.00) BE	Normal	
430	S010090207	WAHID ANSARI	AMIN MIA	Security Guard	26-01-1983	63	83	140/80	78 mg/dl	"O"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
431	S010110110	HEMANTA RAJAK	BANSHI RAJAK	Helper	03-02-1983	60	109	124/81	115 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	
432	S010110118	BIMAL KISKU	RUPAI KISKU	Helper	05-11-1980	66	82	125/82	133 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
433	S010110124	PINTU TANTUBAY	LT JANIK TANTUBAY	Helper	11-03-1990	71	70	150/94	99 mg/dl	"A"	Positive	Normal		Normal				
434	S010110150	APURBA DAS	NEMAI DAS	Helper	12-02-1995	74	94	160/95	91 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
435	S010110153	SUSANTOA MURMU	BHARAT MURMU	Helper	01-03-1993	73	76	140/86	158 mg/dl	"O"	Positive				Distance 6/6	N6 Near	Normal	
436	S010110154	LAKHIRAM SOREN	MANGAL SOREN	Helper	20-07-1983	52	95	137/94	92 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
437	S010110162	SURAJ BAURI	SWAPAN BAURI	Helper	15-03-2000	53	64	126/76	75 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 with glass +1.50 D(BE)	Normal	

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Health checkup details of Employees

DATE : 10-10-2023

Sl. No.	Emp. Code	Employee's Name (Mr.)	Father's name (Shri)	Designation	D.O.B.	PARAMETERS												
						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
438	S010110163	UTPAL MALLICK	SHIBPADA MALLICK	Helper	23-05-1998	65	87	116/76	115 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
439	S010110167	ANANTA BAURI	PHARLAD BAURI	Helper	10-10-1976	51	81	168/103	103 mg/dl	"B"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
440	S010110173	NAYAN BAURI	SUSAR BAURI	Helper	02-03-2001	73	83	122/70	62 mg/dl	"B"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
441	S010110174	TAPAN KR DEY	PURNACHANDRA DEY	Supervisor	25-06-1965	70	75	132/86	86 mg/dl	"AB"	Positive	abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
442	S010120001	Nayan Bauri	Dilip Bauri	Electrical Helper	01-01-1996	76	68	163/100	84 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 Near	Normal	
443	S010120018	Nagen Bauri	Rakhal Bauri	Helper	09-02-1973	72	74	141/75	83 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
444	S010120021	RABIN BAURI	GOBARDHANN BAURI	Helper	11-04-1996	61	83	126/76	75 mg/dl	"A"	Positive	Normal		Normal	Distance 6/6	N6 Near	Normal	
445	S010120022	MANGAL CHANDRA MURMU	PIRU MURMU	Helper	07-03-1993	63	89	123/74	100 mg/dl	"O"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
446	S010120023	MANGAL MANDI	SHIBU MANDI	Helper	08-03-1998	82	90	144/100	84 mg/dl	"B"	Positive	Normal		Normal	Distance 6/6	Near BE=+1.50D	Normal	
447	S010120025	CHANDAN MAHATO	TAPAN KUMAR MAHATO	Helper	01-01-1993	54	96	154/100	108 mg/dl	"B"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
448	S010120051	DEBASIS MURMU	BAIDYANATH MURMU	Helper	24-09-2004	68	98	135/82	95 mg/dl	"AB"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
449	S010120054	SOMNATH KARMKAR	GORA KARMKAR	Helper	15-01-2003	70	95	146/90	80 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 Near	Normal	
450	S010120065	BINAY KARMKAR	JAGARNATH KARMKAR	Helper	15-02-2004	67	90	128/84	89 mg/dl	"B"	Positive	abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
451	S010120066	KARTIK KARMAKAR	UDOY KARMKAR	Helper	01-01-1995	70	100	134/83	125 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
452	S010130009	Nagina Yadav	Bechan Yadav	Incbarge	02-05-1980	72	69	122/77	111 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
453	S010130011	Ramchandra Ram	Rajbihari Ram	Supervisor	05-08-1987	68	90	136/83	135 mg/dl	"AB"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
454	S010130012	Dinesh kumar	Ram Bachan	Supervisor	01-01-1983	70	92	1112/67	126 mg/dl	"O"	Positive	abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
455	S010130024	Ramesh Singh	Keshav Singh	Operator	10-02-1975	85	93	160/100	201 mg/dl	"AB"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
456	S010130037	Sk Abdul Barik	ISLAM MALLIK	Supervisor	11-05-1965	56	94	134/100	121 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
457	S010130066	Ravi Pandit	Chhedi Pandit	Crane Operator	01-01-1994	88	80	126/86	155 mg/dl	"AB"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	

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						Weight	PR	BP	CBG	Blood Group	RH factor	ECG	X-RAY	Audiom atry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Remarks
458	S010130103	SUDHIR KUMAR	JANARDHAN MANDAL	Crane Operator	01-01-2003	70	106	136/90	141 mg/dl	"B"	Positive				Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
459	S010130137	ANIL KUMAR KHATIK	RAJU KHATIK	Helper	01-01-1994	80	98	168/90	191 mg/dl	"O"	Positive			Normal	Distance 6/6	N6 with glass(+1.50D) BE	Normal	
460	S010140002	Soutam Bauri	Manu Bauri	Helper	07-08-1988	75	94	136/86	98 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	Near=+1.00(BE)	Normal	
461	S010140006	Pijush Ghosh	Anath Ghosh	Helper	29-06-1999	72	76	108/80	148 mg/dl	"AB"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
462	S010140009	Dhaneshwar Bauri	Dilip Bauri	Fitter	01-01-2000	82	96	140/90	409 mg/dl	"B"	Positive		Normal	Normal	Distance 6/6	N6 Near	Normal	
463	S010140015	AJAY DEB HANSDA	BANESWAR HANSDA	Helper	15-05-1998	58	84	130/80	103 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
464	S010140026	SIBNATH HANSDA	MAHALAL HANSDA	Helper	02-01-1998	67	99	109/74	96 mg/dl	"B"	Positive	Normal	Normal		Distance 6/6	N6 Near	Normal	
465	S010140027	BIDYUT CHOUBEY	PADMALOCHAN CHOUBEY	Helper	07-02-1993	56	74	100/80	90 mg/dl	"AB"	Positive	Abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
466	S010140030	PURAN MAJI	PARESH MAJI	Helper	01-01-1982	79	80	130/90	120 mg/dl	"A"	Positive			Normal	Distance 6/6	N6 Near	Normal	
467	S010140031	BUBAI BISTU	DILIP BISTU	Helper	01-01-1987	59		130/90	148 mg/dl	"B"	Positive			Normal	Distance 6/6	N6 Near	Normal	
468	S010140033	BABULAL KISKU	MANGAL KISKU	Helper	01-01-1979	69	76	140/90		"AB"	Positive	Normal			Distance 6/9.(+1.00) BE	N6 Near	Normal	
469	S010140034	MADAN BOURI	CHHUTU BOURI	Helper	13-02-1975	65	104	110/70		"B"	Positive	abnormal	Normal	Normal	Distance 6/6	N6 Near	Normal	
470	S010150001	Bikash Soren	Suphal Soren	Helper	05-11-1998	78	76	110/80	119 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
471	S010150002	Md Nazrul Hussain Ansari	Sahabjan Ali Ansari	Helper	20-05-1985	67	80	140/80		"B"	Positive	Normal	Normal	Normal	Distance 6/6 with glass(-0.25D)	Near N6 BE	Normal	
472	S010150007	Inteyajj Ansari	Jalaluddin Ansari	Helper	05-04-1970	62	80	110/70	141 mg/dl	"B"	Positive	Normal	Normal	Normal	Distance 6/6	N6 Near	Normal	
473	S010150093	Subroto Murmu	Matal Murmu	Helper	10-12-2003	66	67	140/90	148 mg/dl	"AB"	Positive	Normal		Normal	Distance 6/6	N6 with glass(+1.50D)	Normal	

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ANNEXURE-15

CORPORATE ENVIRONMENTAL POLICY

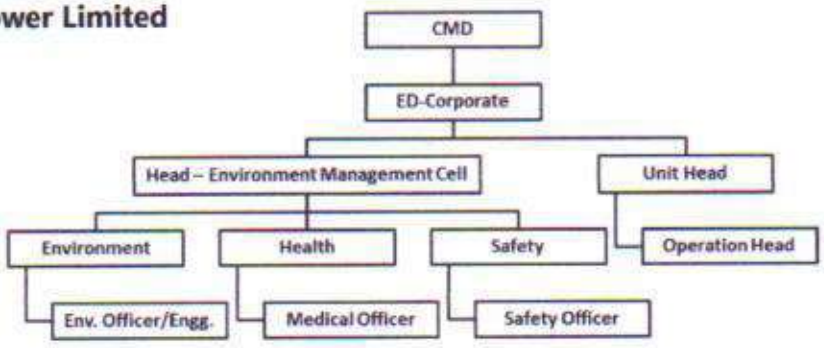
M/S Shakambhari Ispat & Power Limited (SIPL) is engaged in production of steel products is committed towards clean and sustainable environment. The mission of Shakambhari Ispat & Power Limited is to produce steel in an environment friendly manner and strive to:

- Integrate sound environmental management practices in all the activities.
- Conduct the operations in environmentally responsible manner to minimize pollution and its' impact on environment.
- Comply with applicable legal and other requirements related to environmental aspects of the operations and strive to go beyond. The environmental management cell will be headed by EHS-Head.
- The company shall ensure that deviations from this policy and cases of violations/non-compliances of Environment or Forest Laws, if any, shall be reported to the Board of Directors through ED-Corporate and shall identify and designate responsible person for ensuring compliance with the Environmental Laws and Regulations.
- Conserve energy, and other natural resources, minimize waste generation and promote recovery, recycle and reuse practices.
- Increase greenery in and around the plant.
- Ensure continual improvement in environmental performance by setting & reviewing objectives & targets.
- Encourage environmental awareness amongst employees and the general populace around the plant.
- Maintain transparency in matters of Environmental Compliance.

The hierarchical system/administrative order to deal with issues related to environmental compliance shall be as follows:

For **M/S Shakambhari Ispat & Power Limited**

Director



ANNEXURE-16

মনে হয় ইন্ডিয়া নাম ওঁর খুব পছন্দ হয়েছে

● ১ পাতার পর
গড়িয়াহাট থেকে গোলপার্ক পর্যন্ত মিছিল হবে। জেলার মহিলাদের সব নির্দেশ দেওয়া হয়েছে। এক মাস ধরে প্রতিবাদ চলছে। মণিপুর নিয়ে প্রধানমন্ত্রী নরেন্দ্র মোদি এখনও কোনও বিবৃতি দেননি। সংসদ উত্তাল হচ্ছে, তা সত্ত্বেও তিনি নীরবই রয়েছেন। রোজ মণিপুরে গোলমাল হচ্ছে। মানুষের মৃত্যু হচ্ছে। ঘরবাড়ি জ্বালিয়ে দেওয়া হচ্ছে। সাধারণ মানুষ শরণার্থী শিবিরে চলে যাচ্ছে। 'ইন্ডিয়া' নিয়ে প্রধানমন্ত্রী যে-মন্তব্য করেছেন, তার তীব্র নিন্দা করি আমরা। এই ধরনের মন্তব্য তিনি করতে পারেন না। তিনি কি ভয় পেয়েছেন?

বৃষ্টির পর খেলায় মেতেছে বালকেরা। মেদিনীপুরের টাউন কলোনিতে। ছবি: স্বরূপ মণ্ডল

শনিবার থেকে দক্ষিণবঙ্গে ভারী বৃষ্টি

আজকালের প্রতিবেদন

সপ্তাহ শেষে শনিবার থেকে দক্ষিণবঙ্গে বৃষ্টি বাড়বে। কোথাও কোথাও হতে পারে ভারী বৃষ্টিও। তবে কোথায়, কবে ভারী বৃষ্টি হবে, তা জানা যাবে আরও দিন দুয়েক পর। মাঝের দিনগুলোয় হতে পারে হালকা থেকে মাঝারি। উত্তরবঙ্গে অবশ্য রোজই কমবেশি বৃষ্টি হবে। মঙ্গলবার পূর্বাভাসে এমনটাই জানিয়েছে, আলিপুর আবহাওয়া দপ্তর।

গত দু-তিনদিন ধরে মাঝেমধ্যে বৃষ্টি হচ্ছে দক্ষিণবঙ্গের জেলাগুলিতে। তবে তা চাষের জন্য যথেষ্ট নয়। ইতিমধ্যেই রাজ্যে বৃষ্টি-ঘাটতি ২১ শতাংশ ছুঁয়েছে। দক্ষিণবঙ্গে এর পরিমাণ ৪০ শতাংশ। যথেষ্ট পরিমাণে বৃষ্টি-ঘাটতি রয়েছে ১৬ জেলায়। মুর্শিদাবাদে ঘাটতি ৫৭ শতাংশ। আবহাওয়া দপ্তর জানিয়েছে, এর কারণ ঘূর্ণাবর্ত আর নিম্নচাপ দানা বাঁধতে না পারা। অন্যান্য বার বর্ষার শুরুতে রাজ্যের উপকূলে ঘূর্ণাবর্ত বা নিম্নচাপ দানা বাঁধে। তাতে বর্ষা গতি পায়। এবার তা না হওয়ায় দক্ষিণবঙ্গে বর্ষা চলেছে ঢিমে তালে। জমিয়ে ভারী বৃষ্টি একদিনও হয়নি। যা হয়েছে তা উত্তরবঙ্গে। বর্ষারেখাও বেশিরভাগ সময় হয় উত্তরবঙ্গ না হয় ওড়িশার দিকে চলে গেছে। এখন বঙ্গোপসাগরে একটি নিম্নচাপ দানা বেঁধেছে। সেটিও চলে যাচ্ছে অন্ধ্রপ্রদেশ ও ওড়িশা উপকূলের দিকে।

আবহাওয়া দপ্তর বলছে, নিম্নচাপটির এই সরে যাওয়া দক্ষিণবঙ্গের জন্য উপকারী হতে চলেছে। সেটি যত স্থলভাগে ঢুকবে, ততই খুলবে দক্ষিণবঙ্গের জন্য জমজমাট বৃষ্টির পথ। মৌসুমি হাওয়ার প্রবাহ চলে আসতে পারে দক্ষিণবঙ্গের দিকে। এই হাওয়ার প্রবাহ যত বেশি হবে, শনিবার থেকে দক্ষিণবঙ্গে তত বৃষ্টি বাড়বে। কোথাও কোথাও ভারী বৃষ্টির সম্ভাবনাও থাকছে। এই বৃষ্টি চলতে পারে সোমবার পর্যন্ত। তাতে দক্ষিণবঙ্গে বৃষ্টি-ঘাটতি কিছুটা হলেও কমার সম্ভাবনা থাকছে। ঘাটতি কতটা কমবে, তা নির্ভর করবে কোন জেলায় কত বেশি পরিমাণে বৃষ্টি হবে তার ওপর।

এবার দক্ষিণবঙ্গে টানা বৃষ্টি এখনও পাওয়া যায়নি কেন? আবহাওয়া দপ্তর জানিয়েছে, বর্ষারেখা দক্ষিণবঙ্গে এবার থিতু হতে পারেনি। তাই বর্ষার স্বাভাবিক বৃষ্টি তুলনামূলক অনেকটা কম হয়েছে। উপকূলে নিম্নচাপ বা ঘূর্ণাবর্ত দানা বাঁধলে তা দক্ষিণবঙ্গে ঢুকে এসে বৃষ্টি ঝরায়। এবার তাও হয়নি। ফলে অন্যান্য বার মাঝেমধ্যে দু-তিনদিন টানা যে বৃষ্টি হয়ে থাকে, এবার তাও হয়নি। সেই কারণে দক্ষিণবঙ্গের ৭ জেলায় ৫০ শতাংশের ওপর বৃষ্টি-ঘাটতি রয়েছে। স্বাভাবিক বা বেশি বৃষ্টি যা হয়েছে তা উত্তরবঙ্গের দার্জিলিং, কালিম্পং, কোচবিহার, আলিপুরদুয়ার, জলপাইগুড়ি, মালদায় এবং দক্ষিণবঙ্গের পূর্ব মেদিনীপুরে। দক্ষিণবঙ্গের যে জেলাগুলিতে ধানচাষ হয়, সে সব জায়গায় বৃষ্টি হয়েছে কম। দু-একটি জেলায় অতি ঘাটতির পরিস্থিতি তৈরি হয়ে রয়েছে। সপ্তাহ শেষের যে বৃষ্টি হবে তাতে ঘাটতি মিটবে না। তবে কিছুটা কমার সম্ভাবনা রয়েছে।

পোস্টিং মামলায় সিবিআই, ইডি

আজকালের প্রতিবেদন

রাজ্যের প্রাথমিকে এবার 'পোস্টিং' দুর্নীতির অভিযোগের তদন্তে সিবিআই এবং ইডি-কে যুক্ত করল কলকাতা হাইকোর্ট। মঙ্গলবার নতুন একটি এফআইআর করে তদন্ত শুরুর নির্দেশ দিয়েছেন বিচারপতি অভিজিৎ গাঙ্গুলি। আর্থিক দুর্নীতির বিষয়টি দেখবে ইডি।

বিচারপতির পর্যবেক্ষণ, 'ডিজাইন কোরাপশন' চালানো হয়েছে। বিচারপতি সিবিআই-কে নির্দেশ দেন, এদিনই মানিক ভট্টাচার্যকে জেলে গিয়ে জিজ্ঞাসাবাদ করতে হবে।

অন্য একটি মামলায় মানিক ভট্টাচার্যের হয়ে এজলাসে হলফনামা জমা দিতে আসেন তাঁর কন্যা। কিন্তু বিচারপতি সেটি নেননি। জানান, প্রেসিডেন্সি জেল কর্তৃপক্ষ ব্যবস্থা নেবেন যাতে জেল থেকেই মানিক হলফনামা দিতে পারেন।

জরিমানা

আদালতের নির্দেশ অবমাননার দায়ে রাজ্য শিক্ষা দপ্তরকে ৫০ হাজার টাকা জরিমানা করল কলকাতা হাইকোর্ট। মঙ্গলবার বিচারপতি অভিজিৎ গাঙ্গুলি এই জরিমানার নির্দেশ দিয়েছেন। ২০১২ সালে হওয়া পূর্ব মেদিনীপুরে প্রাথমিক স্তরে শিক্ষক নিয়োগে নিয়ে অভিযোগ তদন্ত করতে আদালত নির্দেশ দিয়েছিল। অভিযোগ, শিক্ষা দপ্তর সেই তদন্ত করেনি।

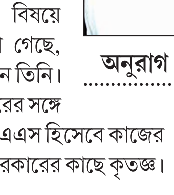
পুরীর বঙ্গনিবাসের নকশা জমা পড়ল

আজকালের প্রতিবেদন

মুখ্যমন্ত্রী মমতা ব্যানার্জির কাছে জমা পড়ল পুরীতে প্রস্তাবিত বঙ্গ নিবাসের নকশা। মোট ৪টি সংস্থাকে নকশা তৈরি করার দায়িত্ব দেওয়া হয়েছিল। এর মধ্যে থেকে একটি নকশা বেছে নেবেন মুখ্যমন্ত্রী। সেই নকশা অনুযায়ী তৈরি হবে বঙ্গ নিবাস। মঙ্গলবার মুখ্যসচিব হরিকৃষ্ণ দ্বিবেদীর সঙ্গে এ নিয়ে নবান্নে বৈঠক করেন পূর্তমন্ত্রী পুলক রায় এবং বিদ্যুৎ ও ক্রীড়া-যুবকল্যাণমন্ত্রী অরূপ বিশ্বাস। পরে পূর্ত সচিব অন্তরা আচার্য বলেন, পুরীতে ২ একর জমির ওপর এই বঙ্গ নিবাস গড়ে উঠবে। রাজ্যের বিভিন্ন শিল্পকলায় সাজানো হবে এই বঙ্গ নিবাস।

আইএএস পদ থেকে ইস্তফা অনুরাগের

আজকালের প্রতিবেদন



অনুরাগ শ্রীবাস্তব

আইএএসের চাকরি ছাড়লেন অনুরাগ শ্রীবাস্তব। রাজ্য সরকারকে ইস্তফাপত্র দিয়ে তিনি অনুরোধ করেছেন, তাঁকে যেন ৩০ সেপ্টেম্বরের মধ্যে দায়িত্ব থেকে অব্যাহতি দেওয়া হয়। রাজ্য সরকারের পক্ষ থেকে যদিও এ বিষয়ে এখনও কিছু জানানো হয়নি। জানা গেছে, একটি বহুজাতিক সংস্থায় যোগ দিচ্ছেন তিনি। অনুরাগ জানিয়েছেন, পশ্চিমবঙ্গ সরকারের সঙ্গে কাজ করে তিনি খুব খুশি। তাঁকে আইএএস হিসেবে কাজের সুযোগ করে দেওয়ার জন্য তিনি এই সরকারের কাছে কৃতজ্ঞ।

উত্তরপ্রদেশের বাসিন্দা অনুরাগ শ্রীবাস্তব ২০০৭ সালের আইএএস। কানপুর আইআইটি থেকে মেকানিক্যাল ইঞ্জিনিয়ারিং নিয়ে বি টেক-এ প্রথম স্থান অধিকার করেছিলেন। এখন তিনি শিল্প দপ্তরের বিভাগীয় সচিব পদে রয়েছেন। এর আগে এই দপ্তর এবং খাদ্য দপ্তরের অতিরিক্ত সচিবের দায়িত্ব পালন করেছেন। ক্ষুদ্র ও মাঝারি শিল্প দপ্তরের অধিকর্তা ছিলেন। দার্জিলিঙের জেলাশাসক হিসেবে দায়িত্ব সামলেছেন। অর্থ দপ্তরের যুগ্ম সচিব হিসেবে কাজ করেছেন। দক্ষিণ ২৪ পরগনার অতিরিক্ত জেলাশাসক, আলিপুরদুয়ারে মহকুমা শাসক ছিলেন। অবর সচিব হিসেবেও তিনি দক্ষতার সঙ্গে কাজ করেছেন।

বিধাননগরে ছিনতাই, গ্রেপ্তার ২

আজকালের প্রতিবেদন

বাইকে করে এসে হার ছিনতাইয়ের ঘটনায় ২ জনকে গ্রেপ্তার করল বিধাননগর কমিশনারেটের পুলিশ। গত ১৯ জুলাই বিধাননগরের এ ই ব্লকের সামনে ঘটে ছিনতাইয়ের এই ঘটনা। সেন মহাশয় বাস স্টপ সংলগ্ন রাস্তা দিয়ে হেঁটে যাচ্ছিলেন এক মহিলা। আচমকা বাইকে চেপে আসে ওই ২ দুষ্কৃতী। গলা থেকে মহিলার হার ছিনিয়ে নিয়ে চম্পট দেয় তারা। তদন্তে নেমে এলাকার সিসি টিভির ফুটেজ খতিয়ে দেখে তাদের চিহ্নিত করে বিধাননগর উত্তর থানার পুলিশ। সোমবার রাতে দত্তাবাদ এলাকা থেকে ওই ২ জনকে ধরা হয়।

মণিপুর নিয়ে আপের প্রতিবাদ

আজকালের প্রতিবেদন

মণিপুরে মহিলা ও দরিদ্র জনসাধারণের ওপর নির্যাতনের প্রতিবাদ জানাল আপ। বিভিন্ন রাজ্যে দেখাল বিক্ষোভ। আপের বাংলার মুখপাত্র অর্ণব মিশ্র জানিয়েছেন, 'গত ৯০ দিন ধরে মণিপুরে অগ্নিগর্ভ পরিস্থিতি। পরিস্থিতি নিয়ে প্রধানমন্ত্রী নীরব। মণিপুরবাসী নিরাপদ নন। আমরা পরিস্থিতি নিয়ে সংসদের উভয় কক্ষে দ্রুত আলোচনা এবং প্রধানমন্ত্রীর বক্তব্য জানতে চাই। একই সঙ্গে কেন্দ্রীয় স্বরাষ্ট্রমন্ত্রী এবং মণিপুরের মুখ্যমন্ত্রীর পদত্যাগের দাবি জানাচ্ছি।'

প্রেসিডেন্সিতে

আজকালের প্রতিবেদন

ফের হিন্দু হস্টেল নিয়ে আন্দোলনে প্রেসিডেন্সি বিশ্ববিদ্যালয়ের পড়ুয়াদের একাংশ। ৩, ৪, ৫ নং ওয়ার্ড এবং হস্টেলের মেস খোলার দাবিতে মূলত হিন্দু হস্টেলের আবাসিক ছাত্ররা অবস্থান বিক্ষোভ শুরু করেছে। মঙ্গলবার থেকে শুরু হয়েছে অবস্থান বিক্ষোভ। দাবি পূরণ না হওয়া পর্যন্ত যা চলবে বলে জানিয়েছেন আন্দোলনকারীরা। তাঁদের দাবি, মেস ব্যবস্থা ফের চালু এবং কর্তৃপক্ষকে মেস স্টাফদের বেতন ও গ্যাসের ভর্তুকি দিতে হবে, ২০১৫ থেকে সংস্কারের নামে বন্ধ থাকা ৩, ৪, ৫ নং ওয়ার্ড খুলে আর্থিকভাবে দুর্বল ছাত্রদের ভর্তির ব্যবস্থা করতে হবে, হস্টেল ওয়েলফেয়ার কমিটি গঠন করতে হবে।

টাকাভর্তি ব্যাগ ফেরাল পুলিশ

আজকালের প্রতিবেদন

শিয়ালদা থেকে বাসে করে বাড়ি ফিরছিলেন হাইড রোডের বাসিন্দা প্রতিমা শ। কিন্তু সিজিআর রোডে নামার পর তিনি খেয়াল করেন, তাঁর ব্যাগটি বাসেই পড়ে আছে। ব্যাগে নগদ ২০ হাজার টাকা, একটি সোনার আংটি, একটি সোনার টিকলি ও রুপোর কয়েন ছিল। বাসের নম্বরও তিনি মনে করতে পারছিলেন না। পশ্চিম বন্দর থানায় গিয়ে তিনি বিষয়টি জানাতেই থানার দুই সাব-ইনস্পেক্টর মইনুর রহমান এবং রাজীবকুমার মাঝি কাজে নেমে পড়েন। তাঁরা ওই রুটের সমস্ত বাসের মালিকের তথ্য নিয়ে তদন্ত শুরু করেন। ওই রুটের একটি বাসের মালিক মেটিয়াবুরুজের বাসিন্দা জনৈক মহম্মদ তৌফারকে জিজ্ঞাসাবাদ করতেই গোটা বিষয়টি পরিষ্কার হয়। টাকা ও সোনা-সহ ব্যাগটি প্রতিমাদেবীকে ফিরিয়ে দেয় পুলিশ।

ভুয়ো কল সেন্টার, গ্রেপ্তার ১৫

আজকালের প্রতিবেদন

অস্ট্রেলীয় নাগরিকদের ভুয়ো কল সেন্টার খুলে প্রতারণার জন্য ১৫ জনকে গ্রেপ্তার করল পুলিশ। গোপন সূত্রে খবর পেয়ে গড়ফা থানা এলাকার শহিদ নগরে হানা দেন কলকাতা পুলিশের সাইবার ক্রাইম বিভাগের অফিসাররা। একটি অফিসে তল্লাশির সময় তাঁরা জানতে পারেন, আরও একটি অফিসে একই কাজ চলে। দুটি অফিস থেকে বহু পরিমাণে যন্ত্রপাতি উদ্ধার হয়। ধৃতরা নিজেদের অ্যামাজন এবং ই বে সংস্থার কর্মী বলে পরিচয় দিত। এদের কাছ থেকে উদ্ধার হয়েছে প্রচুর ব্যাঙ্কের নথিপত্র। এদিকে, বিদেশি নাগরিকদের প্রতারণা মামলায় আরও দু'জনকে গ্রেপ্তার করেছে পুলিশ। এদের নাম সন্দীপ নস্কর এবং সুরজ সিং। আমেরিকার নাগরিকদের প্রতারণা চক্রে এর আগেও কয়েকজন ধরা পড়েছিল।

বিজ্ঞপ্তি

পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদ

পরিবেশ, বন ও জলবায়ু পরিবর্তন মন্ত্রক, ভারত সরকারের বিজ্ঞপ্তি নম্বর এস.ও. ১৫৩৩(ই) তারিখ ১৪.০৯.২০০৬ অনুসারে, এতদ্বারা বিজ্ঞপ্তি জারি করা হচ্ছে যে, **মেসার্স গ্রেট ইস্টার্ন এনার্জি কর্পোরেশন লিমিটেড** কর্তৃক রানিগঞ্জ (দক্ষিণ) সিবিএম ব্লক, পশ্চিমবঙ্গে খননকার্য দ্বারা অনুসন্ধানের মাধ্যমে ৬৫০টি অতিরিক্ত কোল বেড মিথেন কূপ স্থাপনের জন্য প্রস্তাবিত সম্প্রসারণের নিমিত্ত জন্য জনশুনানি ২৯.০৮.২০২৩ তারিখে বেলা ১২টায় ''পোরাধিয়া কমিউনিটি হল'', গ্রাম- পোরাধিয়া, জেলা- পুরুলিয়া, পশ্চিমবঙ্গে ধার্য করা হয়েছে।

কোনও ব্যক্তি বা ব্যক্তিবর্গের সমষ্টি যিনি বা যাঁরা প্রভাবিত হতে পারেন বা সংযুক্ত স্থানীয় কর্তৃপক্ষ, আলোচ্য প্রকল্পের এক্সিকিউটিভ সামারির কপি (ইংরেজি ও বাংলা) দেখতে পারেন এবং ইআইএ/ইএমপি রিপোর্টের ড্রাফ্ট বা খসড়া নিম্নলিখিত কার্যালয়গুলিতে পাওয়া যাবে (১) জেলাশাসক, জেলা- পুরুলিয়া-এর কার্যালয়, পশ্চিমবঙ্গ সরকার, (২) অতিরিক্ত জেলাশাসক (এলআর), পুরুলিয়া-এর কার্যালয়, (৩) সাব-ডিভিশনাল অফিসারের কার্যালয়, রঘুনাথপুর, পুরুলিয়া, (৪) ব্লক ডেভেলপমেন্ট অফিসার-এর কার্যালয়, সানতুরি ডেভেলপমেন্ট ব্লক, (৫) জেনারেল ম্যানেজার, ডি.আই.সি., পুরুলিয়া-এর কার্যালয়, (৬) সভাধিপতির কার্যালয়, পুরুলিয়া জেলা পরিষদ, (৭) সভাপতির কার্যালয়, সানতুরি পঞ্চায়েত সমিতি, জেলা- পুরুলিয়া, (৮) বালিতোড়া গ্রাম পঞ্চায়েতের কার্যালয়, পুরুলিয়া, (৯) এনভায়রনমেন্টাল ইঞ্জিনিয়ারের কার্যালয়, পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদ, আসানসোল আঞ্চলিক কার্যালয়, কল্যাণপুর স্যাটেলাইট টাউনশিপ প্রোজেক্ট (কেএসটিপি), কল্যাণপুর, আসানসোল-৭১৩৩০৫, জেলা- পশ্চিম বর্ধমান, (১০) পরিবেশ দপ্তর, পশ্চিমবঙ্গ সরকার, প্রাণী সম্পদ ভবন, ৬ষ্ঠ তল, এলবি-২, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০১০৬, (১১) পরিবেশ, বন এবং জলবায়ু পরিবর্তন মন্ত্রক, ভুবনেশ্বর আঞ্চলিক কার্যালয়ের উপ-কার্যালয়, কলকাতা, আইবি-১৯৮, সেক্টর-৩, সল্টলেক সিটি, কলকাতা-৭০০১০৬, (১২) পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদ-এর সদর কার্যালয়, পরিবেশ ভবন, ১০এ, ব্লক-এলএ, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০১০৬। এক্সিকিউটিভ সামারি, ড্রাফ্ট ইআইএ রিপোর্ট ও প্রকল্পের আবেদনপত্র পর্ষদের ওয়েবসাইট **www.wbpcb.gov.in**-এ পাওয়া যাবে।

প্রস্তাবিত প্রকল্প বা কার্যাবলীর দরুন স্থানীয়ভাবে প্রভাবিত হতে পারেন এরূপ ব্যক্তি বা গোষ্ঠী ''পোরাধিয়া কমিউনিটি হল'', গ্রাম- পোরাধিয়া, জেলা- পুরুলিয়া, পশ্চিমবঙ্গে ২৯.০৮.২০২৩ তারিখে বেলা ১২টায় অনুষ্ঠেয় জনশুনানিতে অংশ নিতে পারেন। জনশুনানির সভায় আলোচ্য বিষয় সম্পর্কে তাঁদের পরামর্শ/আপত্তি মৌখিক অথবা লিখিতভাবে জানাতে পারেন। প্রকল্প অথবা কার্যাবলীর পরিবেশগত দিক থেকে প্রভাবিত হবার যুক্তিগ্রাহ্য কারণ আছে এরূপ অন্য সংশ্লিষ্ট ব্যক্তি লিখিত আকারে তাঁর পরামর্শ/আপত্তি জনশুনানির তারিখের পূর্বে চিফ ইঞ্জিনিয়ার (ইআইএম সেল), পরিবেশ ভবন, ১০এ, ব্লক-এলএ, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০১০৬-এর কাছে জানাতে পারেন।

সদস্য সচিব
পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদ

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দখল বিজ্ঞপ্তি

যেহেতু, পাঞ্জাব ন্যাশনাল ব্যাঙ্ক-এর অনুমোদিত অফিসার হিসেবে নিম্নস্বাক্ষরকারী সিকিউরিটি ইন্টারেস্ট (এনফোর্সমেন্ট) রুলস, ২০০২ সহ পঠনীয় সিকিউরিটাইজেশন অ্যান্ড রিকনস্ট্রাকশন অফ ফিনান্সিয়াল অ্যাসেটস অ্যান্ড এনফোর্সমেন্ট অফ সিকিউরিটি ইন্টারেস্ট অ্যাক্ট, ২০০২-এর ১৩ ধারাধীনে তাঁর ওপর অর্পিত ক্ষমতাবলে নিম্নোক্ত ঋণগ্রহীতার প্রতি নীচে লেখা তারিখ সংবলিত ডিমান্ড নোটিস ইস্যু করেছিলেন যাতে উক্ত নোটিসের তারিখ থেকে ৬০ দিনের মধ্যে ওই নোটিসে সংশ্লিষ্ট অ্যাকাউন্টে উল্লিখিত পরিমাণ অর্থাঙ্ক আদায় দেওয়ার জন্য তাঁদের প্রতি আহ্বান জানানো হয়েছিল।
উক্ত ঋণগ্রহীতা ওই বিজ্ঞপ্তিতে উল্লিখিত পরিমাণ অর্থাঙ্ক আদায় দিতে ব্যর্থ হওয়ায় এতদ্বারা বিশেষত ওই ঋণগ্রহীতা এবং জনসাধারণের জ্ঞাতার্থে জানানো যাচ্ছে যে, নিম্নস্বাক্ষরকারী উক্ত রুলসমূহের রুল নং ৮ সহ পঠনীয় উক্ত অ্যাক্টের ১৩(৪) ধারা অনুযায়ী তাঁর ওপর অর্পিত ক্ষমতাবলে প্রতিটি অ্যাকাউন্টের পাশে লেখা তারিখে এখানে নীচে বর্ণিত সম্পত্তির দখল নিয়েছেন।
বিশেষত ওই ঋণগ্রহীতা এবং জনসাধারণকে এতদ্বারা উক্ত সম্পত্তি নিয়ে কোনওরূপ লেনদেন না করার জন্য সতর্ক করা হচ্ছে এবং উক্ত সম্পত্তি নিয়ে যে কোনও প্রকার লেনদেন নীচে লেখা অর্থাঙ্ক এবং এর ওপর সুদ সমেত পাঞ্জাব ন্যাশনাল ব্যাঙ্ক-এর চার্জ সাপেক্ষ হবে।

ক্রম নং	ব্রাঞ্চের নাম	অ্যাকাউন্টের নাম	স্বত্বাধিকারীর নাম (সম্পত্তির স্বত্বাধিকারী)	বন্ধক রাখা সম্পত্তির বিবরণ	ডিমান্ড নোটিসের তারিখ	দখল নোটিস সাঁটানোর তারিখ	ডিমান্ড নোটিসের তারিখে অনাদায়ী বকেয়া
১	কাঁটাডিহ ব্রাঞ্চ	লাল্টু মণ্ডল, পিতা প্রয়াত ভীম মণ্ডল	লাল্টু মণ্ডল, পিতা প্রয়াত ভীম মণ্ডল	জমি ও বিল্ডিংয়ের সকল অপরিহার্য অংশ যার স্বত্ব দলিল নং ৪২০৪ সাল ২০০৯, জে এল নং ৭২, খতিয়ান নং ৬৬৯, প্লট নং ১৫৬১, পরিমাপ ৭৬০ বর্গফুট, অবস্থিত মৌজা- কুমিরডিহা, পোঃ- ছাতুহানসা, থানা- আর্শা, জেলা- পুরুলিয়া, পঃ বঃ-৭২৩১৫৩ নামাঙ্কিত শ্রী লাল্টু মণ্ডল, পিতা প্রয়াত ভীম মণ্ডল, অ্যাকাউন্ট প্রয়াত লাল্টু মণ্ডল, পিতা প্রয়াত ভীম মণ্ডল।	১৬.০২.২০২৩	২০.০৭.২০২৩	₹ ১৭,২০,৬২৪.০০

তারিখ: ২০.০৭.২০২৩
স্থান: পুরুলিয়া
অনুমোদিত আধিকারিক
পাঞ্জাব ন্যাশনাল ব্যাঙ্ক

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বিজ্ঞপ্তি

আমরা, শাকম্ভরী ইস্পাত অ্যান্ড পাওয়ার লিমিটেডের পক্ষ থেকে সকলকে জানাচ্ছি, পুরুলিয়া -৭২৩১২১ জেলার বড়তোরিয়া পোস্ট অফিসের পর্বতপুর, মদনডি, রাধামাধবপুর গ্রামে অবস্থিত মেসার্স শাকম্ভরী ইস্পাত অ্যান্ড পাওয়ার লিমিটেড প্ল্যান্টে সংশ্লিষ্ট সুবিধা সহ বার্ষিক ০.৭৮৭৫ মিলিয়ন টন কাঁচা ইস্পাত /স্টেইনলেস স্টীল এবং ০.২১৪২৭২ মিলিয়ন টন ফেরো অ্যালয় (সর্বোচ্চ) উৎপাদনের সম্প্রসারণ প্রস্তাবটি ভারত সরকারের পরিবেশ, বন ও জলবায়ু পরিবর্তন মন্ত্রক থেকে [F. No. IA-J-11011/282/2021-IA-II(IND-I)] গত ১৯.০৭.২০২৩ তারিখে প্রয়োজনীয় পরিবেশগত ছাড়পত্র পেয়েছে।

সর্বসাধারণের অবগতির জন্য প্রাপ্ত ছাড়পত্রের প্রতিলিপি কোম্পানির ওয়েবসাইটে (www.shakambhariispat.com) আপলোড করা হয়েছে।

স্থান ঃ কোলকাতা
তারিখ ঃ ২৪.০৭.২০২৩
স্বাক্ষরিত
শাকম্ভরী ইস্পাত অ্যান্ড পাওয়ার লিমিটেড

ওয়েস্ট বেঙ্গল স্টেট ইলেক্ট্রিসিটি ট্রান্সমিশন কোম্পানি লিমিটেড

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সিআইএন: U40101WB2007SGC113474 • ওয়েব: www.wbsetcl.in

বিজ্ঞপ্তি নং.: সিসি/মৌজা/২৩-২৪/০২ তারিখ: ২৬.০৭.২০২৩

এতদ্বারা জনসাধারণের জ্ঞাতার্থে জানানো হচ্ছে যে ডব্লিউবিএসইটিসিএল নিম্নলিখিত প্রকল্পগুলির কাজ হাতে নিয়েছে :-

লাইনগুলির নাম, দৈর্ঘ্য (আনুমানিক), টিএএ নং. ও তারিখ এবং নিয়ন্ত্রক অফিসার	মৌজার বিবরনী (জে. এল. নং.)
উখড়া ১৩২ কেভি সাব-স্টেশন থেকে মেসার্স পাওয়ার প্লাস ট্রেডার্স প্রাইভেট লিমিটেড (জগন্নাথপুর-বি কোল মাইন, থানা-ফরিদপুর, কাঁকসা, পশ্চিম বর্ধমান) পর্যন্ত ডি/সি টাওয়ারে এসিএসআর প্যান্থার কনডাক্টর দ্বারা ১৩২ কেভি এস/সি ট্রান্সমিশন লাইন নির্মান। আনুমানিক দৈর্ঘ্য (এস/সি)-১০.৩০ কি.মি. সিই/সিপিডি/টিএএ/২০২৩-২৪/০৬৩ তাং. ১২.০৬.২০২৩ দ্য অ্যাডিশনাল চিফ ইঞ্জিনিয়ার, দুর্গাপুর ফিল্ড জোনাল অফিস, ট্রান্সমিশন প্রোজেক্ট, ডব্লিউবিএসই টিসিএল, ফার্স্ট, অ্যাডমিনিস্ট্রেটিভ বিল্ডিং (সেকেন্ড ফ্লোর), সিটি সেন্টার, দুর্গাপুর-৭১৩২১৬	**পশ্চিম বর্ধমান জেলার ফরিদপুর - দুর্গাপুর থানার অধীনে:** লাউদোহা (০২১), চক লাউদোহা (০২২), মাধাইগঞ্জ (০২৪), বালজুরি (০১৬), শীর্ষা (০১৭), বেনেবাঁধ (০১১), রাঙ্গামাটি (০১০), মহেশপুর (০১২), শ্রীকৃষ্ণপুর (০০৯), মাধাইপুর (০০৪), ভাবুরিয়া (০০৫), কামারডাঙ্গা (০০৬), শ্যামসুন্দরপুর (০০৭), জোত বলরামপুর (০০৮), আমদাহি (০২৫) **কাঁকসা থানার অধীনে:** বাসুদেবপুর (০০৫), বিনোদপুর (০০৬)
সোনাখালি ১৩২ কেভি সাব-স্টেশন থেকে প্রস্তাবিত বেলেদুর্গানগর ১৩২ কেভি সাব-স্টেশন পর্যন্ত ১৩২ কেভি ডি/সি ট্রান্সমিশন লাইন নির্মান। আনুমানিক দৈর্ঘ্য (ডি/সি)- ৩৩.৫ কি.মি. সিই/সিপিডি/টিএএ/২০২৩-২৪/০৫০ তাং. ০৭.০৬.২০২৩ দ্য অ্যাডিশনাল চিফ ইঞ্জিনিয়ার, কলকাতা ফিল্ড জোনাল অফিস, ট্রান্সমিশন প্রোজেক্ট, ডব্লিউবিএসই টিসিএল, ২৪/১/১ আলিপুর রোড, আলিপুর, কলকাতা-৭০০০২৭	**দক্ষিণ চব্বিশ পরগণা জেলার বাসন্তী থানার অধীনে:** রামচন্দ্রখালি (১৩৮), হোগালদুরি (১৪০), কালা হাজরা (১৩৯), খিরিসখালি (১৩৭), উত্তর সোনাখালি (১৩৫), সোনাখালি (১৩৪), আমরাতলা (১৩০), চারনিখালি (১৩৩), উত্তর বটতলা (১৩১), হারভাঙ্গি (১৩২) **ক্যানিং থানার অধীনে:** গোলা বাড়ি (১২০), মধু খালি (১২২), বুধ খালি (১২১) **কুলতলি থানার অধীনে:** বেণীমাধবপুর (৭), মিরাগঞ্জ (৬), কৈলাশ নগর (৮), পুরবি তেঁতুলবেরিয়া (১০), কাঁকশা (১৮), গঙ্গাধরপুর (১৯), কীর্তনখোলা (২), পচুয়া খালি (৫), গোদাবার(৪) **জয়নগর থানার অধীনে:** সাপলা (১১০), রূপনগর (১০৯), বেলাদুর্গানগর (১০৮), গড়দোয়ানি (৯১), তারানগর (১১২), পূর্ব রঘুনাথপুর (১০৭)

এই প্রসঙ্গে এই বিজ্ঞাপিত করা হচ্ছে যে, ২০০৩ **সালের ভারতীয় বিদ্যুৎ আইন-এর অধীনে পশ্চিমবঙ্গ বিদ্যুৎ আইন ২০০৭ ধারার** (ওভারহেড লাইন টানার/সংস্থাপনের জন্য পূর্ব অনুমোদন) যা **প্রিন্সিপাল সেক্রেটারী, পশ্চিমবঙ্গ রাজ্য সরকারের বিদ্যুৎ ও অচিরাচরিত শক্তি উৎস দফতর**-এর জারি করা বিজ্ঞপ্তি নম্বর **২৫০-পিও ও/III/৩আর-০৮/২০০৭** তারিখ ০৯.০৮.২০০৭ **বলে বিদ্যুৎ আইন ২০০৩-এর ৬৮ ধারার ১ উপধারা** অনুযায়ী ওভারহেড লাইন টানার অথবা সংস্থাপনের জন্য রাজ্য সরকারের পূর্ণ অনুমোদন গ্রহণের সংস্থান প্রয়োগ রহিত ঘোষিত হওয়া **ভারতীয় বিদ্যুৎ আইন ২০০৩-এর ১৬৪ ধারা ও ভারতীয় টেলিগ্রাফ আইন ১৮৮৫-এর পার্ট III অনুসারে পশ্চিমবঙ্গ রাজ্য সরকার দ্বারা ন্যস্ত ডব্লুবিএসইটিসিএল (পূর্বতন ডব্লুবিএসইবি) ১৬.০৮.২০০৫** তারিখে জারি হওয়া বিজ্ঞপ্তি নম্বর **২৮৫-পাওয়ার/III/৩আর-০৪/২০০৫** এবং পরবর্তী বিজ্ঞপ্তি নম্বর **১২-পিও/ও/III/৩আর-২৯/২০০৬** তারিখ **২৫.০১.২০০৭** সাপেক্ষে জানানো হচ্ছে যে উপরোক্ত কর্মসূচী রূপায়ণে বিদ্যুৎ সঞ্চালন ও বন্টনের উদ্দেশ্যে এবং উল্লিখিত অঞ্চলে কোম্পানির কাজে যথোপযুক্ত সমন্বয় সাধনে টেলিগ্রাফিক অথবা টেলিফোনিক সঞ্চার ব্যবস্থা স্থাপনের জন্য উক্ত জেলাগুলির উল্লিখিত অঞ্চলে ট্রান্সমিশন লাইন, টাওয়ার, বৈদ্যুতিক তার, পোল, ওয়াল ব্রাকেট, স্টে, আনুষঙ্গিক যন্ত্রপাতির মধ্যে দিয়ে যাবতীয় স্থাপন ও নির্মাণের অধিকার কোম্পানির ওপর ন্যস্ত যা সংশ্লিষ্ট টেলিগ্রাফ কর্তৃপক্ষ কর্তৃক স্থাপিত ও সংরক্ষিত বা ভবিষ্যতে করা হতে পারে এমন টেলিফোন লাইন সম্পর্কে **ভারতীয় টেলিগ্রাফ আইন ১৮৮৫** অনুযায়ী টেলিফোন কর্তৃপক্ষের আছে। এই কর্মসূচী সম্পর্কে লাইসেন্সপ্রাপ্ত বিদ্যুৎ সংস্থা বা সংশ্লিষ্ট ব্যক্তির যদি কোনও বক্তব্য থাকে, তবে তা **এই বিজ্ঞপ্তি প্রকাশের ৬০ দিনের মধ্যে** উপরোক্ত দপ্তরগুলিতে লিখিত ভাবে জমা দিতে হবে যে কোনও কাজের দিন সকাল **১১টা থেকে বিকেল ৪টে পর্যন্ত**। কাজের বিবরণও সেখানে জানা যাবে। নির্দিষ্ট সময়সীমা অতিক্রান্ত হয়ে গেলে কোনও বক্তব্য গ্রাহ্য হবে না।

উল্লিখিত মৌজাসমূহের মধ্যে দিয়ে প্রস্তাবিত লাইনগুলি টানা হবে।

ICA- N375(2)/2023
চিফ ইঞ্জিনিয়ার (প্রোজেক্টস)-I ও II

ফিলিপস ইন্ডিয়া লিমিটেড

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নোটিস

এতদ্বারা এই **নোটিস** জারি করা হচ্ছে যে, কোম্পানিজ অ্যাক্ট, ২০১৩ ('অ্যাক্ট'), সঙ্গে পঠনীয় এর অধীনে রচিত রুলসমূহ এবং মিনিস্ট্রি অফ কর্পোরেট অ্যাফেয়ার্স দ্বারা জারিকৃত ৮ এপ্রিল, ২০২০ তারিখের জেনারেল সার্কুলার নং ১৪/২০২০; ১৩ এপ্রিল, ২০২০ তারিখের জেনারেল সার্কুলার নং ১৭/২০২০; ৫ মে, ২০২০ তারিখের জেনারেল সার্কুলার নং ২০/২০২০; ১৩ জানুয়ারি, ২০২১ তারিখের জেনারেল সার্কুলার নং ০২/২০২১; ২১ ডিসেম্বর, ২০২১ তারিখের জেনারেল সার্কুলার নং ১৯/২০২১; ১৪ ডিসেম্বর, ২০২১ তারিখের জেনারেল সার্কুলার নং ২১/২০২১; ৫ মে, ২০২২ তারিখের জেনারেল সার্কুলার নং ০২/২০২২; ২৮ ডিসেম্বর, ২০২২ তারিখের জেনারেল সার্কুলার নং ১০/২০২২ এবং ২৮ ডিসেম্বর, ২০২২ তারিখের জেনারেল সার্কুলার নং ১১/২০২২ (এখানে এর পরে 'এমসিএ সার্কুলারসমূহ' হিসেবে উল্লিখিত) ও অপর প্রযোজ্য সংস্থান/সার্কুলার (যদি থাকে) অনুসারে ফিলিপস ইন্ডিয়া লিমিটেড ('কোম্পানি')-এর ৯৩তম বার্ষিক সাধারণ সভা ('এজিএম') উক্ত এজিএম-এর আমন্ত্রণী নোটিসে নির্ধারিত কারবারগুলি নির্বাহের জন্য মঙ্গলবার, ২২ আগস্ট, ২০২৩ তারিখে সকাল ১১:৩০ মিনিটে (ভারতীয় প্রমাণ সময়) কোম্পানির রেজিস্টার্ড অফিসে ('সভা আয়োজনের স্থান হিসেবে গণ্য হবে') সদস্যদের শারীরিক উপস্থিতি ছাড়াই ভিডিও কনফারেন্স ('ভিসি')/ অন্যান্য অডিও ভিস্যুয়াল উপায়ে ('ওএভিএম') আয়োজিত হবে।

এমসিএ সার্কুলারসমূহ এবং উক্ত অ্যাক্ট ও এর অধীনে রচিত রুলসমূহের প্রাসঙ্গিক সংস্থানসমূহ অনুসারে কোম্পানি/ ডিপোজিটরি পার্টিসিপ্যান্ট ('ডিপোজিটরি') এর কাছে যে সকল সদস্যের ই-মেল আইডি রেজিস্টার করা আছে, তাঁদের সকলের প্রতি পরিচালকমণ্ডলীর প্রতিবেদন, অ্যানেক্সার ও নিরীক্ষকের প্রতিবেদন সহ ৩১ মার্চ, ২০২৩ সমাপ্ত অর্থবর্ষের নিরীক্ষিত আর্থিক ফলাফল সম্পর্কিত বিবৃতি সংবলিত ২০২২-২৩ অর্থবর্ষের বার্ষিক প্রতিবেদন ('বার্ষিক প্রতিবেদন') এবং ৯৩তম এজিএম এর নোটিস ই-মেলের মাধ্যমে ২৫ জুলাই, ২০২৩ তারিখে প্রেরণ করা হয়েছে।

কোম্পানিজ (ম্যানেজমেন্ট অ্যান্ড অ্যাডমিনিস্ট্রেশন) রুলস, ২০১৪ এর রুল নং ২০ সহ পঠনীয় কোম্পানিজ অ্যাক্ট, ২০১৩ ('অ্যাক্ট') এবং ১০৮ নং ধারা এবং এমসিএ সার্কুলারসমূহ সহ পঠনীয় ইনস্টিটিউট অফ কোম্পানি সেক্রেটারিজ অফ ইন্ডিয়া দ্বারা জারিকৃত সেক্রেটারিয়াল স্ট্যান্ডার্ডস অন জেনারেল মিটিংস (এসএস-২) অনুসারে কোম্পানি তার সদস্যদের এজিএম-এর আগে রিমোট ই-ভোটিং এবং এজিএম চলাকালীন ই-ভোটিংয়ের সুবিধা দেবে। ইলেকট্রনিক উপায়ে ভোটদানে সহায়তার জন্য কোম্পানির তরফে কেফিন টেকনোলজিস লিমিটেড ('কেফিনটেক')-কে নিযুক্ত করা হয়েছে। নির্ধারিত কাট-অফ তারিখ অর্থাৎ, বুধবার, ১৬ আগস্ট, ২০২৩ এর নিরিখে ফিজিক্যাল বা ডিমেটিরিয়ালাইজড ফর্মে শেয়ার ধারণকারী সদস্যরা ৯৩তম এজিএমের নোটিসে নির্ধারিত সাধারণ ও বিশেষ কারবারগুলির ওপর কেফিনটেক-এর ইলেকট্রনিক ভোটিং সিস্টেমের মাধ্যমে ইলেকট্রনিক উপায়ে তাঁদের ভোট দিতে পারবেন ('রিমোট ই-ভোটিং')। সকল সদস্যের অবগতির জন্য জানানো যাচ্ছে যে:

(১) ৯৩তম এজিএমের নোটিসে নির্ধারিত সাধারণ ও বিশেষ কারবারগুলি ইলেকট্রনিক উপায়ে ভোটদানের মাধ্যমে নির্বাহ করা হবে;

(২) রিমোট ই-ভোটিং শুরু হবে শনিবার, ১৯ আগস্ট, ২০২৩ তারিখে ভারতীয় প্রমাণ সময় সকাল ৯:০০টায়;

(৩) রিমোট ই-ভোটিং শেষ হবে সোমবার, ২১ আগস্ট, ২০২৩ তারিখে ভারতীয় প্রমাণ সময় বিকেল ৫:০০টায়;

(৪) রিমোট ই-ভোটিং কিংবা ৯৩তম এজিএম চলাকালীন ই-ভোটিং সিস্টেমের মাধ্যমে ভোটদানের যোগ্যতা নির্ধারিত হবে কাট-অফ তারিখ বুধবার, ১৬ আগস্ট, ২০২৩ এর নিরিখে;

(৫) ৯৩তম এজিএমের নোটিস প্রেরণের পর নির্ধারিত কাট-অফ তারিখ বুধবার, ১৬ আগস্ট, ২০২৩-এর নিরিখে কোনও ব্যক্তি কোম্পানির শেয়ার ধারণের মাধ্যমে কোম্পানি সদস্যে পরিণত হলে evoting@kfintech.com বা investor.relations@philips.com আইডি-তে অনুরোধ জানিয়ে লগইন আইডি ও পাসওয়ার্ড সংগ্রহ করে নিতে পারবেন। অবশ্য, কোনও ব্যক্তি রিমোট ই-ভোটিংয়ের জন্য ইতিপূর্বেই কেফিনটেক-এর কাছে নিবন্ধীকৃত হয়ে থাকলে ভোট দেওয়ার জন্য তিনি নিজের বিদ্যমান ইউজার আইডি ও পাসওয়ার্ড ব্যবহার করতে পারবেন।

(৬) ৯৩তম এজিএমের নোটিস প্রেরণের পর কোনও ব্যক্তি কোম্পানির শেয়ার অধিগ্রহণ করে কোম্পানির সদস্যে পরিণত হলে এবং নির্ধারিত কাট-অফ তারিখ বুধবার, ১৬ আগস্ট, ২০২৩-এর নিরিখে ডিম্যাট ফর্মে কোম্পানির শেয়ার ধারণ করলে, নোটিসে উল্লিখিত ডিম্যাট মোডে সিকিউরিটি ধারণকারী একক শেয়ারধারকদের ক্ষেত্রে ই-ভোটিং এবং ভার্চুয়াল সভায় যোগদানের লগইন উপায় অনুযায়ী নিম্নলিখিত পদক্ষেপগুলি অনুসরণ করতে পারেন।

(৭) নির্ধারিত কাট অফ তারিখের নিরিখে কোম্পানির সদস্য নন, এমন ব্যক্তি এই নোটিসটি কেবলমাত্র তথ্য জানার খাতিরে বিবেচনা করবেন। কেবলমাত্র নির্ধারিত কাট অফ তারিখের নিরিখে কোম্পানির সদস্যদের রেজিস্টার বা ডিপোজিটরিদের কাছে রক্ষণাবেক্ষণকৃত সুবিধাভোগী স্বত্বাধিকারীগণের রেজিস্টারে নাম নথিভুক্ত থাকা ব্যক্তিরাই এজিএম-এর আগে রিমোট ই-ভোটিং এবং এজিএম চলাকালীন ই-ভোটিংয়ের সুবিধা পাওয়ার অধিকারী হবেন।

(৮) সদস্যরা অনুগ্রহপূর্বক এই বিষয়গুলিও খেয়াল রাখবেন যে: (ক) ওপরে লেখা নির্ধারিত সময়সীমা অতিবাহিত হলেই কেফিনটেক দ্বারা রিমোট ই-ভোটিংয়ের মডিউলটি নিষ্ক্রিয় করে দেওয়া হবে। এর পরে, উপরিলিখিত তারিখ ও সময়সীমার বাইরে রিমোট ই-ভোটিংয়ের মাধ্যমে সদস্যরা ইলেকট্রনিক উপায়ে ভোট দিতে পারবেন না। কোনও বিবেচনাধীন সিদ্ধান্তের ওপর কোনও সদস্য একবার ভোট দিয়ে ফেললে তিনি পরবর্তীতে তা বদলানোর বা পুনরায় ভোট দেওয়ার সুযোগ পাবেন না; (খ) ৯৩তম এজিএমের আগে যে সকল সদস্য রিমোট ই-ভোটিংয়ের মাধ্যমে ভোট দেবেন, তাঁরা ভিসি/ওএভিএমের মাধ্যমে ৯৩তম এজিএমে যোগ দিতে পারলেও ৯৩তম এজিএম চলাকালীন ই-ভোটিং সিস্টেমের মাধ্যমে পুনরায় ভোট দিতে পারবেন না; (গ) ৯৩তম এজিএমে যোগ দেওয়া যে সকল সদস্য রিমোট ই-ভোটিংয়ের মাধ্যমে ভোট দেননি, ভোট দিতে কোনও বাধা না থাকলে তাঁরা ৯৩তম এজিএম চলাকালীন ই-ভোটিং সিস্টেমের মাধ্যমে ভোট দিতে পারবেন; (ঘ) কেবলমাত্র নির্ধারিত কাট-অফ তারিখের নিরিখে সদস্যদের রেজিস্টার বা ডিপোজিটরিদের কাছে রক্ষণাবেক্ষণকৃত সুবিধাভোগী স্বত্বাধিকারীদের রেজিস্টারে নাম নথিভুক্ত থাকা ব্যক্তিরাই রিমোট ই-ভোটিংয়ের মাধ্যমে ভোটদান, ভিসি/ওএভিএম সুবিধার মাধ্যমে ৯৩তম এজিএমে যোগদান এবং ৯৩তম এজিএম চলাকালীন ই-ভোটিংয়ের মাধ্যমে ভোটদানের সুবিধা পাওয়ার যোগ্য হবেন। (ক) সভার আগে রিমোট ই-ভোটিং, (খ) ভিসি/ওএভিএম-এর মাধ্যমে সভায় অংশগ্রহণ ও যোগদান, (গ) সভা চলাকালীন ই-ভোটিং এবং (ঘ) ই-মেল আইডি রেজিস্ট্রেশনের উপায় বিষয়ক বিস্তারিত নির্দেশিকা এজিএম-এর নোটিসে 'নোটস' সেকশনে উপলব্ধ রয়েছে।

(৯) বুধবার, ১৬ আগস্ট, ২০২৩ তারিখের ('কাট অফ তারিখ') ভিত্তিতে কোম্পানির সম্পূর্ণরূপে আদায়ীকৃত ইকুইটি মূলধনে তাঁদের অংশভাগের নিরিখে সদস্যদের ভোটাধিকার নির্ণীত হবে।

(১০) ৯৩তম এজিএম-এর নোটিস এবং বার্ষিক প্রতিবেদন কোম্পানির ওয়েবসাইট অর্থাৎ, www.philips.co.in এবং কেফিন টেকনোলজিস প্রাঃ লিঃ-এর ওয়েবসাইট https://evoting.kfintech.com-এ উপলব্ধ রয়েছে এবং কোম্পানির কাছে লিখিতভাবে আবেদন না জানালে এই এজিএম-এর নোটিস ও বার্ষিক প্রতিবেদনের কোনও মুদ্রিত প্রতিলিপি কোনও সদস্যের প্রতি প্রেরণ করা হবে না।

(১১) ই-ভোটিং (এজিএম-এর আগে এবং এজিএম চলাকালীন) সম্পর্কিত কোনও প্রশ্নের ব্যাখ্যার প্রয়োজনে আপনারা https://evoting.kfintech.com ওয়েবসাইটের ডাউনলোড সেকশনে উপলব্ধ 'ফ্রিকোয়েন্টলি আস্কড কোয়েশ্চেনস (এফএকিউ'জ) ফর শেয়ারহোল্ডারস অ্যান্ড ই-ভোটিং ইউজার ম্যানুয়াল ফর শেয়ারহোল্ডারস' অংশটি দেখতে পারেন অথবা ১৮০০ ৩০৯ ৪০০১ (সকাল ৯:০০টা থেকে সন্ধে ৬:০০টার মধ্যে) টোল ফ্রি নম্বরে যোগাযোগ করতে পারেন অথবা evoting@kfintech.com আইডি-তে নিম্নলিখিত ব্যক্তির সঙ্গে যোগাযোগ করতে পারেন:

নাম	মিঃ অনিল দলভি
পদ	ম্যানেজার
আরটিএ-র নাম	কেফিন টেকনোলজিস প্রাঃ লিঃ
ঠিকানা	কেফিন টেকনোলজিস প্রাইভেট লিমিটেড সেলেনিয়াম টাওয়ার 'বি', প্লট নং ৩১-৩২, গচ্চিবৌলি, ফিনান্সিয়াল ডিস্ট্রিক্ট, ননাক্রমগুড়া, হায়দরাবাদ- ৫০০০৩২
ই-মেল আইডি	einward.ris@kfintech.com
ফোন	+৯১ ৪০ ৬৭১৬ ২২২২

সদস্যরা কোম্পানির কাছে এই ই-মেল আইডি-তেও লিখে জানাতে পারেন: investor.relations@philips.com.

(১২) ফিজিক্যাল মোডে শেয়ার ধারণকারী যে সকল সদস্য কোম্পানির কাছে নিজের ই-মেল আইডি আপডেট/ রেজিস্টার করাননি, তাঁরা investor.relations@philips.com আইডি-তে ই-মেলের মাধ্যমে শেয়ারধারকের নাম, ফোলিও নম্বর, সম্পূর্ণ ঠিকানা সংবলিত ও স্বাক্ষরিত একটি অনুরোধজ্ঞাপক চিঠির স্ক্যান করানো প্রতিলিপির সঙ্গে প্যান কার্ডের স্বস্বাক্ষরিত স্ক্যান করানো প্রতিলিপি এবং সদস্যের ঠিকানার প্রমাণস্বরূপ যে কোনও একটি নথির (অর্থাৎ, ড্রাইভিং লাইসেন্স, ভোটার পরিচয়পত্র, পাসপোর্ট) স্বস্বাক্ষরিত স্ক্যান করানো প্রতিলিপি পাঠিয়ে নিজের ই-মেল আইডি আপডেট/ রেজিস্টার করিয়ে নিতে পারেন। ডিম্যাট ফর্মে শেয়ার ধারণকারী সদস্যরা নিজ নিজ ডিপোজিটরির কাছে তাঁদের ই-মেল আইডি আপডেট করিয়ে নেবেন।

রিমোট ই-ভোটিং প্রক্রিয়া এবং ৯৩তম এজিএম চলাকালীন ই-ভোটিং সিস্টেমের মাধ্যমে ভোটদান স্বচ্ছ ও নিরপেক্ষ উপায়ে পরিচালনা নিশ্চিত করার জন্য প্র্যাকটিসরত কোম্পানি সেক্রেটারি ড. অসীম কুমার চট্টোপাধ্যায়কে স্ক্রুটিনাইজার হিসেবে নিযুক্ত করা হয়েছে।

এজিএম-এর নোটিসে নির্ধারিত সকল দ্রষ্টব্য বিষয়গুলি এবং বিশেষত এজিএম-এ যোগদান ও রিমোট ই-ভোটিং বা এজিএম চলাকালীন ই-ভোটিংয়ের মাধ্যমে ভোটদানের নির্দেশাবলি ভাল করে পড়ে নেওয়ার জন্য সদস্যদের প্রতি অনুরোধ জানানো হচ্ছে।

পরিচালকমণ্ডলীর আদেশানুসারে
ফিলিপস ইন্ডিয়া লিমিটেড-এর পক্ষে
স্বাঃ- **পূজা বেদী**
পূর্ণমেয়াদি ডিরেক্টর ও কোম্পানি সেক্রেটারি
DIN: 06934281

তারিখ: ২৬ জুলাই, ২০২৩
স্থান: গুরুগ্রাম

DEMAND NOTICE

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This notice is being issued in relation to the enforcement of security in respect of credit facilities granted pursuant to documents executed by the borrowers/guarantors mentioned below with Punjab National Bank ("Secured Creditor"). Notice is hereby given by the Authorized Officer of the secured creditor that the following borrowers have defaulted the repayment of principal and payment of interest of loans/credit facilities availed by them from the secured creditor and their accounts have been classified as NPAs. Notices have been issued to them u/s 13(2) of the Sarfaesi Act, 2002 on their last known addresses. However, the same has returned unserved and as such they are hereby informed by way of Public Notice about the same.

Sl. No.	A) Name of the borrower / guarantor with address B) Branch from which facilities were availed	Particulars of secured assets being enforced through the notice	A) Date of NPA B) Date of 13(2) notice C) Amount due as per notice
1.	(A).MR. AMANULLAH ANSARI S/O-AINUL HAQUE, 47 SOUTH STATION ROAD, ORANPARA, TITAGARH, Kolkata 700119 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of the piece and parcel of land measuring 1 cottah ,4 chittacks ,10 Sq. Ft. more or less including two storied building having 400 Sq. ft. (more or less) area in ground & First floor each lying and situate on the premises Holding No. 34 (old) & 47 (new) station road, ward no. 19 , mouzaTitagarh ,P.S Titagarh under Titagarh Municipality, Dist-North 24 Parganas land measuring 0.0089 Satak comprised in Dag No. 380 and Khatian No. 587 and Land measuring 0.0111 Satak comprised in Dag No. 381 and khatian No. 377 Touzi No. 1091,J. L No. 5 A.D.S.R Barrackpore under D.R Barasat, which is butted and bounded as follows: - ON THE NORTH BY: 3'Golli Path , ON THE SOUTH BY: Private Passage , ON THE EAST BY: Municipal Road, ON THE WEST BY: Land of Nizam & Daud.	(A) 31.12.2010 (B) 05.07.2023 C) Rs.20,87,411.00 (Rupees Twenty Lakhs Eighty Seven Thousand Four Hundred Eleven) plus further interest 01.07.2023 and expenses
2.	(A) BHAGIRATH ROY S/O-LATE PARESH ROY BLOCK-F, NETAJI NAGAR,, GANGANAGAR., KOLKATA, WEST BENGAL- 700132 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of Two Flats being No.-101 on the 1st Floor measuring super built up area 500 Sq. ft. and Flat being No.-201 on the 2nd Floor measuring super built up area 650 Sq. ft. Total measuring super built up area 1150 Sq. ft. (more or less) consisting of 04(Four) Bed rooms,02(Two) Living/Ding Room ,03 (Three) Toilets, 02(Two) Kitchen & 02(Two) Verandah together with the undivided proportionate share in the land and common areas and facilities of the building and the premises by estimation 01 cottahs 15 chittaks 17 Sq. ft. (more or less) situated at premises No .-20/1/A , Akshoy Kumar Mukherjee Road, Kolkata-700090 within the limits of Baranagar Municipality, P.S-Baranagar, Addl, Dist. Sub-Registrar office at cossipore Dum Dum Dist-North 24 Parganas, which is butted and bounded as follows: - ON THE NORTH BY: A.K Mukherjee Road, ON THE SOUTH BY: 6, Common Passage, ON THE EAST BY:20/1, Akshoy Kumar Mukherjee R, ON THE WEST BY: 22/1 ,Akshoy Kumar Mukherjee R.	(A) 30.06.2012 (B) 10.07.2023 C) Rs.21,60,669.00 (Rupees Twenty One lakh Sixty Thousand Six hundred sixty Nine) plus further interest 01.07.2023 and expenses
3.	(A) SRI BIBHU CHAKRABORTY S/O-BENOY BHUSAN CHAKRABORTY 11, DHAKURIA EAST ROAD KASBA, HALTU. KOLKATA 700078 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of flat on the ground floor, being Flat No. 103C of "RUPAYAN", in the said property lying and being Holding No. 280, S.K.B Sarani, within the Municipal limits of South Dumdum Municipality, being the flat area 1020 Sq. Ft. more or less including proportionate service of super built up area and the flat is consisting of 3(Three) bed rooms,1(One) dining /leaving space ,2(Two) toilets and 1(One) kitchen and 1(one) balcony with undivided proportionate share of land common areas and facilities provided to the said building situated at Mouza- Kaliadaha,J.L.No-23,R.S No. 16.Touzi No.210/159/206, Dag No 1650,Khaitan No.1164 under Ward No.17 P.S- Dumdum Dist-North 24 Parganas. which is butted and bounded as follows: - ON THE NORTH BY: Municipal Road, ON THE SOUTH BY: House of Sri Mano Ranjan Das, ON THE EAST BY: House of Sri Bijoy Ranjan Das, ON THE WEST BY: Municipal Road.	(A) 30.06.2012 (B) 05.07.2023 C) Rs.17,96,725.00/- (Rupees Seventeen Lakh Ninety Six Thousand Seven Hundred Twenty Five) plus further interest 01.07.2023 and expenses
4.	(A).CHANDAN JAISWAL S/O-LATE DHARAMARAJ JAISWAL, 63 A BADRI DAS TEMPLE STREET, KOLKATA-700004 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of brick built self-contained and independent one flat on the Third Floor, Type"B", having an super built up area of 950 Sq. ft. more or less of the said building which lying and situated at Mouza-Jyangra,R.S KhaitanNo.992, R.S Dag No. 264/818, J.L no. 16,within the limits of Rajarhat Gopalpur Municipality, P.S-Rajarhat, Dist-24 Parganas. And jurisdiction of A.D.S.R.O Bidhannagar(Salt lake City) consting of 2(Two) Bed Rooms,1 (One) living/dining Room,1(One) Kitchen,1(One) Bath with privy,1(One) W.C and 1(One) Balcony together which is butted and bounded as follows: - ON THE NORTH BY: Housing of Bhupati Nath Bagui. ON THE SOUTH BY: House of Sri Anil Kumar Bagui , ON THE EAST BY: House of Sri Surendra Nath Bagui, ON THE WEST BY: V.I.P Road.	(A) 08.09.2011 (B) 05.07.2023 C) Rs.18,30,790.73 (Rupees Eighteen Lakh Thirty Thousand Seven Hundred Ninety And Seventy Three Paise) plus further interest 01.07.2023 and expenses.
5.	(A) MD. SHAFIQUE AND SABRA NAAZ 46/1 GORACHAND ROAD, KOLKATA-700014 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of Residential Flat of 1100 Sq. Ft. Flat No 3B on the Third Floor in G+4 storied building at premises No. 19/B, Dr.Sundari Mohan Avenue ,P.S Beniapukur ,Kolkata-700014 formed out of the Old Premises Nos. 28, 29 and 30 DehiSerampore Road and Comprised of the Municipal Holding Nos. 637, 639 in the Sub-Division 'B',Division 4, Dehi Panchannagram, Bourough VI, within the jurisdiction of the Kolkata Municipal Corporation, Deed No. I-10036 dated 26.04.2006 in the name of Md Shafique and Sabra Naaz. Which is Butted and bounded as follows: - ON THE NORTH BY: Premises No. 19,Dr. Sundari Mohan Avenue, ON THE SOUTH BY: Premises No. 17,Dr.Sundari Mohan Avenue, ON THE EAST BY:12'-0" wide passage of 17, Dr.Sundari Mohan avenue, ON THE WEST BY: Kolkata Municipal Corporation.	(A) 03.04.2018 (B) 05.07.2023 C) Rs.8,29,839.50 (Rupees Eight Lakh Twenty Nine Thousand Eight Hundred Thirty Nine and Fifty Paise) plus further interest 01.07.2023 and expenses.
6.	(A) SRI SACHIN JAIN S/O-SRI PREMNATH JAIN 46/C/45, BARIN GHOSH SARANI, 1ST FLOOR, FLAT NO. 101, PS MANICKTALA KOLKATA-700054 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of Flat being No. 101,on the First Floor measuring super built up area of 750 Sq. ft. (more or less) consisting of 02 (Two) Bed Rooms,01(one) Living/Dining Room, 02 (two) Toilets, 01(one) Kitchen & 02(two) Verandah together with undivided proportionate share of land and common areas and facilities connected herewith comprised by estimation 02 cottahs,14 Chittaks and 13 Sq. ft. , being Plot No. 46/C/45 Murari Pukur Road (now 46/C/45,Biplabi Barin Ghosh Sarani) ,P.S.-Maniktala Calcutta-700054 within the limits of Calcutta Municipal Corporation, Addl Dist Sub-Registry Office at Sealdah which is butted and bounded as follows: -ON THE NORTH BY: Muraripukur Road, ON THE SOUTH BY: Plot No.-B-1, ON THE EAST BY:33 ft. wide road, ON THE WEST BY: Boundary wall.	(A) 28.02.2010 (B) 05.07.2023 C) Rs.22,55,680.00 (Rupees Twenty Two Lakhs Fifty Five Thousand Six Hundred Eighty) plus further interest 01.07.2023 and
7.	(A) MR. SHIBU PODDAR S/O-SRI KRISHNA LAL PODDER, 2 NO SUKANTA SARANI, P.O-HALGACHA, KOLKATA-700079 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of Residential Flat no. D measuring super built up area 800 Sq. ft. situated at North East side , 2nd floor of the building premises no. 4/48, Shyamnagar Road , PS-Dum Dum , kolkata -700055 . Revenue survey details of the land on which the building of the flat is constructed as follows: Mouza-Satgachi, JL No.-20 ,E/P No. 47,SP No. 59,60 and C.S. Plot No. 3018(P) under municipal holding no. 33(new) purbabanga colony ward no.- 27 registered in ADSR, Cossipore Dum Dum,North 24 Parganas , Being No. 9012, Book No.-I, Vol No. 255, page No. 41-54 for the year 2005 and within the limit of south Dumdum Municipality Dist-north 24 Parganas. which is butted and bounded as follows: -ON THE NORTH BY:EP No. 45B, ON THE SOUTH BY: Shyam Nagar Road, ON THE EAST BY: EP No. 49 & EP No. 50, ON THE WEST BY: Empty Land	(A) 28.09.2012 (B) 10.07.2023 C) Rs.14,18,793.31 (Rupees Fourteen lakh Eighteen Thousand Seven Hundred Ninety Three and Thirty One Paise) plus further interest 01.07.2023 and expenses.
8.	(A).Mr.Shyamsunder Roy S/o-Nani Gopal Roy **& Smt. Sandhya Roy,** 2 No Sukanta Sarani, P.O-Halgacha Kolkata-700079 **(B) SHYAMBAZAR MARKET(EVE) (118320)** (Housing Loan)	Equitable mortgage of Flat being flat No. 5 on the 2nd floor comprised in the building namely (CHRIST THE KING APARTMENT) measuring 600 Sq. ft. super built up area more or less consisting of 2(two) Bed rooms,1 (one) drawing cum dining ,1 (one) kitchen ,1 (one) toilet and 1 (one) balcony situated at , Premises No. 157 North ,124(0) Kashmi Narayan Road ,Dumdum Municipality (South),Ward No. 2 , Mouza Digta J. L No.-R.s No-161,Touzi No-2.C.S khatian No-136. Dag No-2051 which is butted and bounded as follows: -ON THE NORTH BY:C.N Road, ON THE SOUTH BY: Pankaj Mondal,ON THE EAST BY: Sankar Bhattacharjee, ON THE WEST BY: House Kal.	(A) 28.02.2010 (B) 05.07.2023 C) Rs.12,67,993.00 (Rupees Twelve Lakh Sixty Seven Thousand Nine Hundred Ninety Three)plus further interest 01.07.2023 and expenses
9.	A) Sri Anugra Singh S/O-Sri Sunil Singh, M/S Wilwon Fashion Prop: Sri Anugra Singh (S/O-Sri Sunil Singh) 159/A, Block D, Rabindra Nagar P.O-Ganganagar , P.S-Madhyamgram, Dist-North 24 Parganas, Kolkata-700132 **(B) Baghbazar (Sol-009020)**	Equitable mortgage of Residential Flat No.G-3 having super built up area measuring a little more or less 860 Sq ft. consisting of 2(two) bed room, 1(one) drawing-cum -Ding, 1(one) kitchen, bathroom Cum privy/Toilets with all fitting and fixtures lying at south western side on the ground floor known as "Shanti Kuthi" being municipal holding No 5/A/50, situated at Mouza- Doharia,Mujibar Rehaman Road, P.O. Ganganagar, P.S. Madhyamgram, Dist North 24 Paraganas, J.L. No.45 R.S. No.132 & 139, R.S. Dag No.578,1342, under Khatian Nos.-115 & 246, R.S Khatian No 734, under Madhyamgram Municipality, Ward No.09, Deed No.7717 dated 12.12.2017,A.D.S.R. Barasat, Distt- North 24 Paraganas, Kolkata-700132 owned by Sri Anugrah Singh. Butted & Bounded By: On the North: part of Dag No. 578 On the South: Part of Dag No. 1342 On the East: 16 feet wide Mujibar Rahman Road (Netaji Nagar 3rd Sarani) , On the West: Plot of Dag No. 1341	(A) 20-04-2023 (B) 10-07-2023 C) Rs.40,06,029.68 + Further intt. W.e.f 01-07-2023 & other charges

The above borrowers and/or guarantors (as the case may be) are advised to make the payments of the entire dues with up to date interest within 60 days from date of publication of this notice as per the provision of the Sarfaesi Act, 2002. They are also notified that in terms of Sec 13(13) of the said Act, they shall not after publication of this Notice, transfer by way of sale, lease or otherwise (other than in the ordinary course of business) any of the secured assets above referred to, without prior written consent of the Bank. They are also put on alert that any contravention of this statutory injunction/restraint, as provided under the said Act is an offense. If for any reason, the secured assets are sold or leased out in the ordinary course of business, the sale proceeds or income realized shall be deposited/remitted with/to the Bank. They will be liable to render proper account of such realization/income.

Date: 26.07.2023
Place : Kolkata

Authorized Officer
Punjab National Bank

SHAKAMBHARI GROUP #SteelWhite

ELEGANT STEEL INDIA'S no.1 GST BAR

NOTICE

We, would like to inform everyone that we have obtained Environmental Clearance (EC) from Ministry of Environment, Forest and Climate Change, Govt. of India vide F. No. IA-J-11011/282/2021-IA-II(IND-I), dated 19.07.2023 for the Expansion of Shakambhari Ispat & Power Limited Plant for production of 0.7875 million tons per annum Crude Steel/Stainless Steel, 0.214272 million tons per annum Ferro-Alloys (maximum) along with allied facilities at Village: Parvatpur, Madandih, Radhamadabpur, P.O.: Bartoria, District: Purulia, West Bengal-723121.

Copy of the environmental clearance letter has been uploaded for information in the official website of the company i.e. www.shakambhariispat.com

Place : Kolkata
Dated : 24.07.23

Sd/-
Shakambhari Ispat & Power Limited

INCON ENGINEERS LIMITED

B-6/3, I.D.A., UPPAL, HYDERABAD-500039. CIN : L74210TG1970PLC001319

NOTICE

Notice is hereby given pursuant to Regulation 29 and read with Regulation 47 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015 that a meeting of the Board of Directors of the Company, will be held on Thursday 10th August, 2023 at the Registered Office of the Company situated at B-6/3, IDA, Uppal, Hyderabad – 500039, Telangana, inter alia to consider and take on record the un-audited financial results for the quarter ended on 30 June, 2023.

The said notice may be accessed on the website of stock exchange at www.bseindia.com, www.cse-india.com, www.incon.in.

For INCON ENGINEERS LTD.
d/-
Sreedhar Chowdhury
Managing Director

Place : Hyderabad
Date : 25-07-2023

EASTERN RAILWAY

Tender Notice No.: 222-S/1/W-II, dated: 24.07.2023. Following e-tender is invited online by the Divisional Railway Manager, Eastern Railway, 2nd Floor, Control Building, DRM Building, Kaizer Street, Sealdah, Kolkata-700014 for the following work: **Tender No.: TN-81-23-24. Name of the work:** Different track maintenance work along with all ancillary works in the jurisdiction of Sr. Section Engineer (P.Way)/Bangaon under Assistant Engineer/Barasat (for 01 year). **Tender value**: ₹ 1,25,45,246. **Earnest Money Deposited**: ₹ 2,12,700. **Cost of tender document (non-refundable):** Nil. **Completion period for the work:** 12 (twelve) months. **Date and time of closing of tender :** 18.08.2023 at 15.00 hrs. The tender documents and other details are at **www.ireps.gov.in**. The bidding is to be submitted through the e-tendering on above website. Manual offers will be summarily rejected. Date and time of opening of tender is **18.08.2023** at **15.30 hrs.**

(SDAH-124/2023-24)

Tender Notices are also available at website: www.er.indianrailways.gov.in/www.ireps.gov.in

Follow us at: @EasternRailway
easternrailwayheadquarter

EAST COAST RAILWAY

File No. DRM/Engg/KUR/23-24/E-Tender/52, Dt. 18.07.2023

Tender No. e-Tender-HQ-KUR-150-2023, Dtd.: 14.07.2023

DESCRIPTION : PROPOSED UP-GRADATION OF SAKHIGOPAL RAILWAY STATION OF KHURDA ROAD DIVISION IN CONNECTION WITH AMRIT BHARAT SCHEME.

Approx. Cost of the Work : ₹ 798.99 Lakhs, EMD : ₹ 5,49,500/-, Completion Period : 06 (Six) Months.

Tender Closing Date and Time : At 1500 Hrs. of 07.08.2023.

No manual offers sent by Post / Courier/ Fax or in person shall be accepted against such e-tenders even if these are submitted on firm's letter head and received in time. All such manual offers shall be considered invalid and shall be rejected summarily without any consideration.

Complete information including e-tender documents of the above e-Tender is available in website : **https://www.ireps.gov.in**

Note : The prospective tenderers are advised to revisit the website 10 (Ten) days before the date of closing of tender to note any changes / corrigenda issued for this tender. The tenderers/bidders must have Class-III Digital Signature Certificate and must be registered on IREPS Portal. Only registered tenderer/ bidder can participate on e-tendering.

Divisional Railway Manager (Engg) / Khurda Road

PR-375/O/23-24

CIN: U31909GJ2017PTC106919;
Website: www.jodhpurwindfarms.com;
E-mail: cs@torrentpower.com

JODHPUR WIND FARMS PRIVATE LIMITED

Registered Office:
"Samanvay", 600, Tapovan,
Ambawadi, Ahmedabad - 380 015,
Ph.: 079-26628300

EXTRACT OF STATEMENT OF FINANCIAL RESULTS FOR THE QUARTER ENDED JUNE 30, 2023

[₹ in Lakhs except per share data]

Particulars	Quarter ended		Financial Year ended
	30.06.2023	30.06.2022	31.03.2023
	Un-audited	Un-audited	Audited
Total income from Operations	1,921.32	1,679.56	6,653.97
Net Profit / (Loss) for the period (before Tax, Exceptional and/or Extraordinary items)	642.08	516.70	976.35
Net Profit / (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	642.08	516.70	976.35
Net Profit / (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	478.12	383.59	731.45
Total Comprehensive Income for the period [Comprising Profit / (Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	478.12	383.59	731.45
Paid up Equity Share Capital	11,100.00	11,100.00	11,100.00
Reserves (excluding Revaluation Reserve)	2,200.72	1,378.02	1,722.59
Securities Premium Account	-	-	-
Net Worth	13,300.72	12,478.02	12,822.59
Paid up Debt Capital / Outstanding Debt	30,000.00	30,000.00	30,000.00
Debt Equity Ratio	2.10	2.27	2.20
Earnings Per Share (of ₹ 10/- each) (for continuing and discontinued operations)			
Basic (₹)	0.43	0.35	0.66
Diluted (₹)	0.43	0.35	0.66
Capital Redemption Reserve	NA	NA	NA
Debenture Redemption Reserve	1,722.59	996.10	1,722.59
Debt Service Coverage Ratio	3.37	3.23	2.85
Interest Service Coverage Ratio	3.37	3.23	2.85

Notes :

1. The above is an extract of the detailed financial results for the quarter ended June 30, 2023 filed with the National Stock Exchange (NSE) under Regulation 52 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of the same, along with the notes, are available on the website of NSE at www.nseindia.com and also on the Company's website at www.jodhpurwindfarms.com
2. For the other line items referred in Regulation 52 (4) of the SEBI (LODR), the pertinent disclosures have been made to NSE and can be accessed on www.nseindia.com. NSE and can be accessed on www.nseindia.com.

Place : Ahmedabad
Date : July 25, 2023

CIN: U31906GJ2017PTC106736;
Website: www.laturrenewable.com;
E-mail: cs@torrentpower.com

LATUR RENEWABLE PRIVATE LIMITED

Registered Office:
"Samanvay", 600, Tapovan,
Ambawadi, Ahmedabad - 380 015,
Ph.: 079-26628300

EXTRACT OF STATEMENT OF FINANCIAL RESULTS FOR THE QUARTER ENDED JUNE 30, 2023

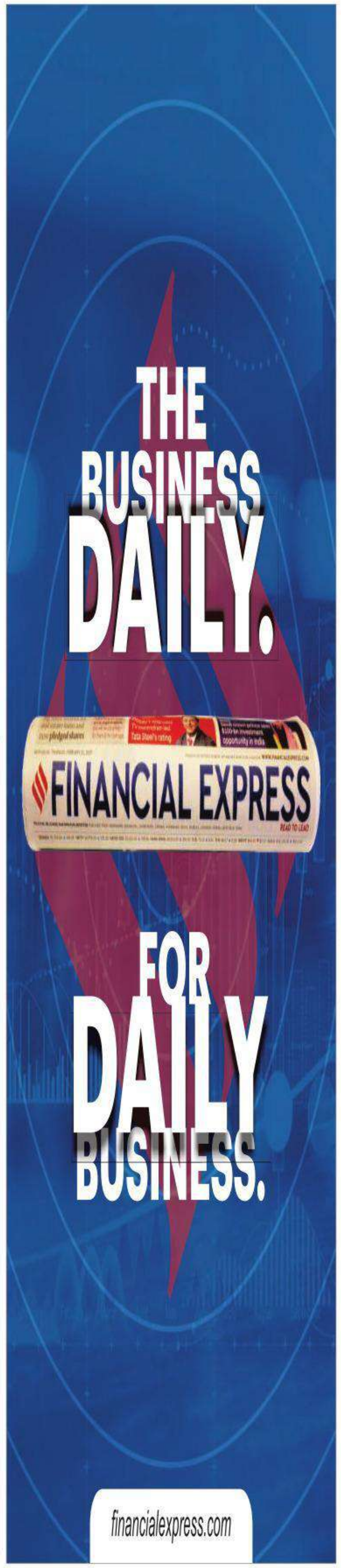
[₹ in Lakhs except per share data]

Particulars	Quarter ended		Financial Year ended
	30.06.2023	30.06.2022	31.03.2023
	Un-audited	Un-audited	Audited
Total income from Operations	2,083.54	1,988.15	7,129.57
Net Profit / (Loss) for the period (before Tax, Exceptional and/or Extraordinary items)	787.27	840.17	1,420.62
Net Profit / (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	787.27	840.17	1,420.62
Net Profit / (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	586.19	628.13	1,061.52
Total Comprehensive Income for the period [Comprising Profit / (Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	586.19	628.13	1,061.52
Paid up Equity Share Capital	11,000.00	11,000.00	11,000.00
Reserves (excluding Revaluation Reserve)	2,826.19	1,809.72	2,240.00
Securities Premium Account	-	-	-
Net Worth	13,826.19	12,809.72	13,240.00
Paid up Debt Capital / Outstanding Debt	30,000.00	30,000.00	30,000.00
Debt Equity Ratio	1.97	2.17	2.08
Earnings Per Share (of ₹ 10/- each) (for continuing and discontinued operations)			
Basic (₹)	0.53	0.57	0.97
Diluted (₹)	0.53	0.57	0.97
Capital Redemption Reserve	NA	NA	NA
Debenture Redemption Reserve	2,240.00	1,183.44	2,240.00
Debt Service Coverage Ratio	3.62	3.85	3.07
Interest Service Coverage Ratio	3.62	3.85	3.07

Notes :

1. The above is an extract of the detailed financial results for the quarter ended June 30, 2023 filed with the National Stock Exchange (NSE) under Regulation 52 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of the same, along with the notes, are available on the websites of NSE at www.nseindia.com and also on the Company's website at www.laturrenewable.com.
2. For the other line items referred in Regulation 52 (4) of the SEBI (LODR), the pertinent disclosures have been made to NSE and can be accessed on www.nseindia.com.

Place : Ahmedabad
Date : July 25, 2023



ANNEXURE-17

ENVIRONMENTAL DATA DISPLAY BOARD

SHAKAMBHARI GROUP

SHAKAMBHARI ISPAT & POWER LIMITED

VILL. - MADANDIH, P.O. - BARTORIA, P.S. - NETURIA DIST. -PURULIA, (WB)-723121

ENVIRONMENTAL INFORMATION

CONSENT TO OPERATE:
1- MEMO NO. 311-WPBA/Red(Pri)/Cont.(82)/02 DATED: 31.07.2023

HAZARDOUS WASTE AUTHORIZATION:
1- MEMO NO. 47/25(HW)-3632/2019 DATED: 24.03.2021

STACK ANALYSIS REPORT AS ON: 14.09.2023 & 15.09.2023

PARAMETERS	Rotary Kiln No.1&2 2x100 TPD with common Stack	Rotary Kiln No.3&4 2x100 TPD with common Stack	Rotary Kiln No.5&6 2x350TPD with common Stack	Rotary Kiln No.7 600TPD	Induction Furnace Stack	CFBC Boiler 100 TPH	AFBC Boiler 36 TPH	SEAF (No.1)	SEAF (No.2)	SEAF (No.3)	SEAF (No.4)
PM (mg/Nm³)	38.51	21.20	22.45	17.91	14.64	20.58	24.47	11.01	11.78	15.22	12.45

FUGITIVE EMISSION ANALYSIS REPORT AS ON: 14.09.2023 & 15.09.2023

PARAMETERS	Rolling Mill Dispatch Area	Near Central Room (SMS Division)	Near Control Room (DRI-1&2 DRI-3&4 DRI-5&6 DRI-7	Near MOC Room (DRI-1&2 DRI-3&4 DRI-5&6 DRI-7	Near CPP 3&5 MW Control Room	Near SEAF Central Room (Near Silo Building)
SPM (µg/m³)	218.58	162.59	186.50	216.16	190.50	260.12	226.18
SOx (µg/m³)	14.20	7.20	8.24	8.50	11.82	12.50	12.80
NOx (µg/m³)	26.52	25.0	25.0	26.50	28.20	28.56	20.02

EFFLUENT WATER TEST REPORT AS ON: 15.09.2023

PARAMETERS	pH value	TSS (mg/l)	Oil & Grease (mg/l)	Chemical Oxygen Demand (mg/l)	Biological Oxygen Demand (mg/l)
RESULTS	6.95	31.11	4.2	163.2	<2.0

AMBIENT AIR ANALYSIS REPORT (INDUSTRIL) AS ON: 14.09.2023 to 15.09.2023

PARAMETERS RESULTS	PM2.5 (µg/m³)	PM10 (µg/m³)	SOx (µg/m³)	NOx (µg/m³)
MINIMUM	31.20	60.16	6.50	21.82
MAXIMUM	36.50	64.12	7.80	25.0

AMBIENT NOISE STUDY (INDUSTRIAL) AS ON:

PARAMETERS RESULTS	Day Time dB(A)Leq	Night Time dB(A)Leq
MINIMUM	62.74	59.05
MAXIMUM	67.72	64.11

SHAKAMBHARI GROUP

শাকম্ভরী ইস্পাত & পাওয়ার লিমিটেড

গ্রাম: মদলি, পোস্ট: বড়ডোবায়, থানা- বেতুরিয়া, জেলা- পুরুলিয়া, (পশ্চিমবঙ্গ)-৭২৩১২১

পরিবেশ সংক্রান্ত তথ্য

পরিচালনার জন্য সম্মতি:
১. MEMO NO.311-WPBA/Red (Pri)/Cont.(82)/02 DATED: 31.07.2023

বিপজ্জনক বর্জ্যের অনুমোদন:
১. MEMO NO: 47/25(HW)-3632/2019 DATED: 24/03/2021

চিমনি থেকে নির্গত গ্যাসীয় পদার্থের বিশ্লেষণাত্মক ফলাফল, তারিখ: ১৪.০৯.২০২৩ এবং ১৫.০৯.২০২৩

গ্যাসবিটার	ডোরি মিল ১&২ এবং ৩ ২x১০০ টিপিডি ক্ষমতা পাইপের সমন্বয়	ডোরি মিলস ৩ এবং ৪ ২x১০০ টিপিডি ক্ষমতা যৌথভাবে সমন্বয়	ডোরি মিলস ৫ এবং ৬ ২x৩৫০ টিপিডি ক্ষমতা যৌথভাবে সমন্বয়	ডোরি মিলস ৭ নং ৬০০ টিপিডি	ইন্ডাকশন ফার্নেস ধারক পাইপ	CFBC বয়লার ১০০ টিপিএইচ ক্ষমতা	AFBC বয়লার ৩৫ টিপিএইচ ক্ষমতা	SEAF (নং ১)	SEAF (নং ২)	SEAF (নং ৩)	SEAF (নং ৪)
PM (mg/Nm³)	৩৮.৫১	২১.২০	২২.৪৫	১৭.৯১	১৪.৬৪	২০.৫৮	২৪৪৭	১১.০১	১১.৭৮	১৫.২২	১২.৪৫

ফিউজিটিভ এমিসনের বিশ্লেষণাত্মক ফলাফল, তারিখ: ১৪.০৯.২০২৩ এবং ১৫.০৯.২০২৩

গ্যাসবিটার	রোলিং মিল ডেসপ্যাচ এরিয়া	কন্ট্রোল রুমের কাছে (এসএমএস বিভাগ)	কন্ট্রোল রুমের কাছে (ডিআরআই-১&২ ডিআরআই-৩&৪ ডিআরআই-৫&৬ ডিআরআই-৭	এমসিসি রুমের কাছে (ডিআরআই-১&২ ডিআরআই-৩&৪ ডিআরআই-৫&৬ ডিআরআই-৭	সিপিপি ১৪.৩ মেগাওয়াট কন্ট্রোল রুমের কাছে	এসইএফ সেন্ট্রাল রুমের কাছে (সাইলো বিল্ডিংয়ের কাছে)
SPM (µg/m³)	২১৮.৫৮	১৬২.৫৯	১৮৬.৫০	২১৬.১৬	১৯০.৫০	২৬০.১২	২২৬.১৮
SOx (µg/m³)	১৪.২০	৭.২০	৮.২৪	৮.৫০	১১.৮২	১২.৫০	১২.৮০
NOx (µg/m³)	২৬.৫২	২৫.০	২৫.০	২৬.৫০	২৮.২০	২৮.৫৬	২০.০২

বর্জ্য তেলের বিশ্লেষণাত্মক ফলাফল, তারিখ: ১৪.০৯.২০২৩

গ্যাসবিটার	pH মান	টোটাল সাসপেন্ডেড সলিডস (mg/l)	তেল ও গ্রীজ (mg/l)	কেমিক্যাল অক্সিজেন ডিমান্ড (mg/l)	বায়োলজিক্যাল অক্সিজেন ডিমান্ড (mg/l)
মান	৬.৯৫	৩১.১১	৪.২	১৬৩.২	<২.০

পরিবেষ্টিত বায়ুর বিশ্লেষণাত্মক ফলাফল, তারিখ: ১৪.০৯.২০২৩ থেকে ১৫.০৯.২০২৩

গ্যাসবিটার মান	PM2.5 (µg/m³)	PM10 (µg/m³)	SOx (µg/m³)	NOx (µg/m³)
সর্বনিম্ন	৩১.২০	৬০.১৬	৬.৫০	২১.৮২
সর্বোচ্চ	৩৬.৫০	৬৪.১২	৭.৮০	২৫.০

শব্দের মাত্রা অধ্যয়ন (ইন্ডাস্ট্রিয়াল), তারিখ: ১৪.০৯.২০২৩

গ্যাসবিটার মান	দিবসের সময় dB(A)Leq	রাত্রের সময় dB(A)Leq
সর্বনিম্ন	৬২.৭৪	৫৯.০৫
সর্বোচ্চ	৬৭.৭২	৬৪.১১

ANNEXURE-18

TCLP REPORT

1.	Name of the Industry	:	Shakambhari Ispat & Power Ltd.
2.	Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121
3.	Report No.	:	ENV/398A/S/M(i)/23-24
4.	Date of sampling	:	15.09.2023
5.	Reporting Date	:	28.09.2023
6.	Type of sample	:	Slag
7.	Location	:	Ferro Manganese Slag

Sl. No.	PARAMETERS	METHOD	UNIT	RESULTS
1.	Iron (Fe)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	2.80
2.	Zinc (Zn)	EPA 1311 : 1992 / APHA 23rd Ed., 3111 B : 2017	mg./l	2.50
3.	Copper (Cu)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.6 : 1998	mg./l	1.80
4.	Nickel (Ni)	EPA 1311 : 1992 / APHA 23rd Ed., 3111 B : 2017	mg./l	1.20
5.	Lead (Pb)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	0.60
6.	Cadmium (Cd)	EPA 1311 : 1992 / EPA 3050 B, 1996/IS 3050 (Part 46)	mg./l	0.50
7.	Chromium (Cr)	APHA 23rd Ed., 3111 B : 2017	mg./l	0.50

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

TCLP REPORT

1.	Name of the Industry	:	Shakambhari Ispat & Power Ltd.
2.	Address	:	Vill. – Madandih, P.O. – Bartoria, P.S. – Neturia, Dist – Purulia, (WB)– 723121
3.	Report No.	:	ENV/398A/S/M(ii)/23-24
4.	Date of sampling	:	15.09.2023
5.	Reporting Date	:	28.09.2023
6.	Type of sample	:	Slag
7.	Location	:	Silico Manganese Slag

Sl. No.	PARAMETERS	METHOD	UNIT	RESULTS
1.	Iron (Fe)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	2.10
2.	Zinc (Zn)	EPA 1311 : 1992 / APHA 23rd Ed., 3111 B : 2017	mg./l	3.50
3.	Copper (Cu)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.6 : 1998	mg./l	3.20
4.	Nickel (Ni)	EPA 1311 : 1992 / APHA 23rd Ed., 3111 B : 2017	mg./l	0.80
5.	Lead (Pb)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	0.28
6.	Cadmium (Cd)	EPA 1311 : 1992 / EPA 3050 B, 1996/IS 3050 (Part 46)	mg./l	0.26
7.	Chromium (Cr)	APHA 23rd Ed., 3111 B : 2017	mg./l	0.90

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharyya
INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

<End of Report>