



Submission of compliance status report of the conditions stipulated in Environment Clearances .

Ref: EC letter no. J-11011/326/2005-1 A.II (I), dated 01.12.2020 .

Gpil Environment to: iro.raipur-mefcc, EC Compliance
Chhattisgarh

20-06-2023 12:46

Cc: Sanjay Srivastava

From: Gpil Environment/Environment/Common/gpil
To: iro.raipur-mefcc@gov.in, "EC Compliance Chhattisgarh" <ecompliance-cg@gov.in>
Cc: Sanjay Srivastava/Environment/Common/gpil@gpil

Dear Sir,

With reference to the above subject, we are herewith submitting the status of progress on compliance of the conditions stipulated in Environment Clearances granted vide EC letter No. J-11011/326/2005-1A.II (I) dated 01.12.2020 to M/s Godawari Power & Ispat Limited at Siltara - Raipur, for the **period of Oct, 2022 to Mar, 2023.**



GPIL Six Monthly EC compliance status report Oct, 22 to Mar, 23_11zon.pdf

This is for your kind information and necessary record please.

Regards,
Environment Management System - GPIL



GODAWARI POWER & ISPAT

428/2, Phase-1, Industrial Area, Siltara,
Raipur - 493111, Chhattisgarh, India
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HIRA
GODAWARI POWER & ISPAT



File No. GPIL/EMS/2023-24/ 288

Date: 01.06.2023

To,
The Regional Officer,
Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Aranya Bhawan
North Block, Sector-19
Naya Raipur, Atal Nagar, Chhattisgarh- 492002
Email ID – iro.raipur-mefcc@gov.in

Subject: Submission of compliance status report of the conditions stipulated in Environment Clearances.

Ref: EC letter no. J-11011/326/2005-1A.II (I), dated 01.12.2020.

Dear Sir,

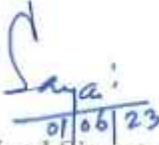
With reference to the above subject, we are herewith submitting the status of progress on compliance of the conditions stipulated in Environment Clearances granted vide EC letter No. J-11011/326/2005-1A.II (I) dated 01.12.2020 to M/s Godawari Power & Ispat Limited at Siltara - Raipur, for the period of Oct, 2022 to Mar, 2023.

This is for your kind information and necessary record please.

Thanking you,

Yours faithfully,

For, **GODAWARI POWER & ISPAT LTD.**


01/06/23
(Authorized Signatory)

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com

Government of India
Ministry of Environment, Forest and Climate Change (MoEF&CC)
Integrated Regional Office, Raipur – 492005

Monitoring Report

Part-I

DATA SHEET

File NO. EC-999/RON/2019-NGP

1.	Project Type: River- valley/Mining/Industry/Thermal/ Nuclear/Other (Specify)	Industry
2.	Name of the Project	Expansion, Modernization of existing facilities along with integration of existing environmental clearances [Sponge Iron Plant – 6,50,000 TPA; Capacity enhancement of Steel Melting Shop from 4,00,000 TPA to 7,00,000 TPA; Power generation – 73 MW; Ferro Alloys – 16,500 TPA; Pig iron – 33,000 TPA; H.B. Wire – 1,00,000 TPA; Oxygen & Nitrogen Plants; Fly ash brick plant, Iron ore beneficiation – 10,00,000 TPA; Rolling Mill – 4,00,000 TPA; Induction Furnace for Casting in place of Arc Furnace – 5,000 TPA; Iron Ore Pellet Plant – Capacity enhancement from 21,00,000 TPA to 24,00,000 TPA; Coal Gasification System – 60,000 Nm ³ /hr to 92,000 Nm ³ /hr; Slag Crushing Plant - 1,75,000 TPA and Mineral grinding unit – 2,00,000 TPA.
3.	Clearance letter(s)/OM No. and dated,	J-11011/326/2005-IA.II(I) dated 01.12.2020 and subsequent amendment in EC vide letter No. J-11011/326/2005-IA.II(I) dated 26.02.2021
4.	Location	
	a. Takuk (s)	Dharshiva
	District	Raipur
	b. State (s)	Chhattisgarh
	c. Latitude/ Longitude	Latitude 21°22'24.9" N to 21°22'38.7" N Longitude 81°40'30.8"E to 81°41'13.0" E
5.	<u>Address for correspondence</u>	Godawari Power & Ispat Limited Hira Arcade, 2 nd Floor Pandri, Raipur- 492001. Chhattisgarh

	<p>a. Address of concerned Project Chief Engineer (with Pin Code & Telephone/ Telex/ Fax Numbers)</p>	<p>Mr. Vivek Agrawal Chief Operating Officer, Mob. No. 9893900112 Ph. No. 0771 4082224</p> <p>Sh. Sandeep Tiwari Vice President (Project) Mob. No. 9893900399 Ph. No. 0771 4082333</p> <p>Godawari Power & Ispat Limited 428/2, Phase-II Industrial Area, Siltara Raipur (C.G) 493111. Ph. No. 0771 4082333</p>										
6.	<p><u>Salient Features :</u> a. Present status of the project b. Details of the Environmental Management Plans</p>	<p>Integrated steel plant through DRI and Induction furnace route.</p> <ul style="list-style-type: none"> • Utilization of waste heat through WHRB. • ESP & Bag filters have been installed. • Continuous water sprinkling system at all internal road & dry fog system to check fugitive emission in raw material conveying and stock yards. • Ash silo for collection of ESP & bag filter dust through pneumatic ash conveying system. • 03 Nos. of Road Sweeping Machines have been deployed. • CAAQMS & CEMS for continuous air quality monitoring. • Effluent treatment plant and effluent recycling. • Bio composting of food waste material. • Green belt development. 										
7.	<p><u>Break-up of the project area:</u> a. Submergence area: (forest & non-forests)</p>	<p>Nil</p>										
	<p>b. Others</p>	<table border="0"> <tr> <td>Total land</td> <td>93.8259 Ha</td> </tr> <tr> <td>Covered area</td> <td>18.5747 Ha</td> </tr> <tr> <td>Road</td> <td>15.7564 Ha</td> </tr> <tr> <td>Open land</td> <td>28.5323 Ha</td> </tr> <tr> <td>Green belt area</td> <td>30.9625 Ha</td> </tr> </table>	Total land	93.8259 Ha	Covered area	18.5747 Ha	Road	15.7564 Ha	Open land	28.5323 Ha	Green belt area	30.9625 Ha
Total land	93.8259 Ha											
Covered area	18.5747 Ha											
Road	15.7564 Ha											
Open land	28.5323 Ha											
Green belt area	30.9625 Ha											

8.	Break-up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units & both dwelling units & agricultural land & landless laborers/artisans	The partial land is allotted by CSIDC and remaining land is own industrial land of GPIL. There is no displacement or resettlement, no R & R involved.
	a SC, ST/Adivasis b Others	
9.	Financial Details:	
	a. Project costs as originally planned & subsequent revised estimates and the year of price reference.	The total cost of the project is Rs.1988.87 Crores including existing Rs.1789.22 Crores. The total investment made for this project stands at Rs. 1991.91 Crores as on 31.03.2023.
	b. Allocations made for environmental management plan with item-wise & year-wise breakup (Capital & Recurring) c. Benefit cost ratio/internal rate of return and the years of assessment	The capital cost for environmental protection measures is proposed as Rs.340 Lakhs. The annual recurring cost towards the environmental protection measure is proposed as Rs.63.0 lakhs. Details of item-wise & year-wise breakup are enclosed as Annexure- I.
	d. Whether (c) includes the cost of environmental management as shown in (b) above	Yes
	e. Total expenditure on the project so far	The total investment made for this project is stands at Rs. 1991.91 Crores as on 31.03.2023.
	f. Actual expenditure incurred on the environmental management plans so far	Rs.50.27 Cr. have been spent towards Environment Protection and Management till FY 2022-23 since inception of the project.
10.	Forest land requirement:	Nil
	a. The status of approval for diversion of forest land for non-forestry use	
	b. The status of compensatory afforestation, if any	
	c. The Status of clearing felling.	
	d. Comments on the viability and sustainability of compensatory afforestation programme in the light of actual field experience so far	
11.	The status of clear felling in non-forest area (such as submergence area of reservoir, approach road). If any, with quantitative information	Nil

12.	<u>Status of construction:</u>		
	a	Date of commencement	Sponge Iron – 4,95,000 TPA, Power Plant – 73 MW (AFBC – 11 MW, WHRB – 42 MW & Biomass Based Power Plant – 20 MW), Pellet Plant with Gasifier – 27,00,000 TPA (2 units), Ferro Alloys Division – 16,500 TPA, H.B. Wire Division – 1,00,000 TPA, SMS – 4,00,000 TPA, Rolling Mill – 4,00,000 TPA, Oxygen Plant – 12,00,000 Cubic meter/Annum, Nitrogen Plant – 45,00,000 Cubic meter/Annum, Iron Ore Beneficiation Plant – 32,84,000 and Slag Crushing Plant 1,75,000 TPA are operational with valid CTE/CTO and renewed consents.
	b	Date of completion (Actual and/or Planned)	Part of the project is implemented and are operational. The remaining project is expected to be completed by 31.03.2025 as per schedule.
13.	Reasons for the delay if the project is yet to start		N/A.
14.	<u>Dates of site visit:</u>		
	a.	The dates on which the project was monitored by Regional Office on previous occasions, if any	09.03.2021
	b.	Date of site visit for this monitoring report.	
15.	Details of correspondence with project authorities for obtaining action plans, information and status of compliance to safeguards		The details of correspondence with respect to EC granted by MoEF&CC vide letter No. J-11011/326/2005-IA,II(I) dated 01.12.2020 and subsequent amendment in EC vide letter No. J-11011/326/2005-IA,II(I) dated 26.02.2021.

Date	Letter from Regional Office (if any)	Date	Reply from Project proponent & details of six monthly compliance submitted during the past 4 years.
11.06.2021	Letter No. EC-999/RON/2019-NGP/127	30.06.2021	Reply to letter no. EC-999/RON/2019-NGP/127 submitted vide letter no. GPIL/EMS/2021-22/81 dated 30.06.2021.
		01.06.2021	Six monthly compliance report submitted for the period Oct'20 to Mar, 21.
		01.12.2021	Six monthly compliance report submitted for the period of Apr, 21 to Sept, 21.
		08.07. 2022	Six monthly compliance report uploaded online on parivesh portal for the period of Oct, 21 to Mar, 22.
		20.12. 2022	Six monthly compliance report uploaded online on parivesh portal for the period of Apr, 22 to Sept, 22.

COMPLIANCE REPORT (Period Oct'2022 – March'23)

Compliance status of the condition stipulated in Environmental Clearance issued vide No. F. No. J-11011/326/2005-IA.II (I) dated: 01.12.2020 by Ministry of Environment, Forest & CC, New Delhi.

SN	Stipulated Condition	Compliance status as on 31.03.2023
A. Specific conditions		
i.	Connecting road to the plant with avenue plantation shall be maintained by PP. Traffic congestion on the road outside plant shall be avoided.	Avenue plantation along the road of plant is developed & being maintained by GPIL. There is a separate entry & exit gate, Security staff deployed round the clock for traffic management.
ii.	Appropriate and sufficient land shall be provided for parking of heavy vehicles.	Sufficient parking space is provided for waiting vehicles at entry and also at exit gates.
iii.	PP shall achieve the stack emission to less than 30 mg/Nm ³ from existing stacks in the plant by 31/03/2023.	Stack emission has been achieved less than 30 mg/Nm ³ . Details of modification work carried out and work order copies with test report of stack emissions are attached as annex-I
iv.	10 Nos of IF shall be phased out by 2022-23	All 7 Tons capacity furnaces are stopped permanently and had been phased out. 2 nos. 15 T furnaces being installed work in progress.
v.	PP shall carry out GHG emission and Carbon Footprint Study/ Carbon Budget for entire process in a time frame of two years. This study report must contain recommendation for minimizing the Carbon Footprint. These recommendations shall be implemented in a time bound manner and progress in this regard shall be reported to the Regional Office on an yearly basis – as of 31 st March of each year.	GHG emission and Carbon Footprint Study for two years i.e 2020-21 & 2021-22 is completed. Detailed decarbonisation program as per the recommendations of the report has been prepared and target framed, details attached as annex - IV.
vi.	In order to phase out the sludge drying beds, a filter press shall be installed by 31/03/2021 to dewater and dispose the sludge in dry form. Complete switch over to dry disposal of sludge shall be achieved latest by 31/12/2021.	Filter press & thickener have been installed & operational at ETP to achieve 100% dry disposal of ETP sludge. Copy of the P.O and and Photograph of the same is attached as annex-II
vii.	Fugitive emissions shall be controlled by providing paved roads, industrial vacuum cleaners, water spray, covered sheds and by recycling the dust collected to the plant.	Roads inside plant are RCC made. Vacuum cleaners are deployed to clean roads & collected dust is utilized. Water sprinkling system is installed on the internal roads as well as raw material yards. Photographs of the road sweeping machine attached as annex-XIV
viii.	PP shall use ground water 56100 m ³ /annum for domestic purpose only. Potential for rain water	Assessment/Survey of rain water harvesting potential done by M/s Retas Enviro solutions,

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	harvesting inside the plant is 483547 m ³ /annum. Therefore, potential of rain water harvesting within the plant premises shall be harvested and recharged with monitoring facilities.	New Delhi. Accordingly rain water harvesting /recharge structures are constructed for estimated RWH of 483547m ³ /y. NOC is obtained from CGWA for ground water withdrawal and ground water being utilized for domestic purpose only. Photographs of the RWH implemented attached as annex-III.
ix.	Water consumption shall be brought down to less than 5 m ³ /t of steel as per CREP Chapter and subsequently the same shall be reduced to 4.5 m ³ /t of steel by March, 2023.	Company is producing steel through DRI route. Present specific consumption is 4.32 m ³ /t of steel which brought down from 4.73 m ³ /t in 2020-21. Various measures are taken to brought down Water consumption. Old cooling towers of SID Ph-I & II and SMS are replaced with new efficient cooling towers and Waste water recycling & utilization optimized. New efficient TG set of 48 MW to replace 3 Nos. old TG's 2 x 9MW + 1 x 30 MW, being installed. It will further result in reduction in overall water requirement.
x.	100% dolochar shall be used for power generation within the plant.	Dolochar is being utilized in AFBC boilers of captive power plant as well as at M/s Jagdamba Power (A unit of M/s Godawari Power & Ispat Ltd Siltara, Raipur) and group units in siltara. Details of the generation & utilization is attached annex-XVI
xi.	100% waste utilization shall be practiced and dumping of waste shall not be permitted.	All the solid waste i.e Fly ash, ESP & bag filter dust tailings, slag etc. are being utilized as per guidelines. Please refer annex V.
xii.	40% Green Belt shall be developed in the plant area and outside within 5 km of the plant.	33% green belt developed with plantation of 76589 nos. inside plant premises and additional plantation of 64500 nos. is also done at "Oxyzone-I" & Oxyzone-II in an area of 50.73 ha and at Oxyzone-II. Out of which 13500 nos. in 3.47 ha during 2021 to 2023 with overall plantation more than 40%. Photographs & plantation certification report are attached as annex VI.
xiii.	A resource efficiency group shall be created to set annual targets for resource conservation and annual reports shall be furnished to RO.	Energy Resources Group, to manage the cost-effective implementation of environmental and energy efficient technologies formed. Group consist of persons from all divisions of the plant. Accordingly GPIL has sets targets every year for energy & resource conservation. Initiatives taken in for energy & resource conservation is attached

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		as annex-XV
B. General conditions		
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.	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 Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	<p>Continuous emission monitoring system at all process stacks & 3 nos. Continuous AAQMS are installed and data is connected with CECB/CPCB server.</p> <p>Systems are being calibrated time to time. CAAQMS is under comprehensive maintenance contract to ensure timely rectification & calibration.</p> <p>CEMS URL - http://envirofront.m2mlogger.com/ ID sanjay.srivastava@gpil.in Pass - password</p> <p>CAQMS URL - onlinedata.swaneviron.com ID GPIL Pass - Gpil@123</p>
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Monitoring of fugitive dust emission at various locations / dust prone areas of the plant by NABL accredited laboratory on regular basis. Please refer annex I.
iii.	Appropriate Air Pollution Control (APC) system	To maintain the emission within prescribed

Sanjay

	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.	standards, units have been equipped with Air Pollution Control Devices like ESPs, Bag Filters etc. Please refer annex VIII.
iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Installed bagfilters are enabled to access leakage detection and mechanized bag cleaning.
v.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	Collected iron ore and coal fines in air pollution control devices are being reused in Iron ore Pelletization & DRI process.
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Tarpaulin covered transportation is used for Iron ore, coal and other raw material to prevent spillage and dust generation.
vii.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Suction hoods followed by Bag filter is installed at SMS.
viii.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Raw material iron ore, coal, bentonite, limestone etc are being stored under covered shed and water sprinkling is being done for dust suppression.
ix.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Adequate air ventilation facilities are provided where ever required.
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 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF); S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Continuous effluent monitoring system for monitoring of pH, TSS, flow meter & PTZ camera installed and data is connected with CECB/CPCB server. ZLD is being maintained. Please refer annex IX.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of	Ground water quality analysis is being carried out by NABL accredited lab.

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	piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	
iii.	Adhere to 'Zero Liquid Discharge'.	Waste water from all divisions is being taken to effluent treatment plant and treated water being utilized further in water sprinkling / dust suppression and horticulture activities. Waste water recycling pits also constructed in divisions to collect and use directly where ever possible.
iv.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Sewage treatment system (2 modules) is installed for sewage treatment and treated water quality is analysed in-house as well as by NABL lab. Please refer annex X.
v.	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.	Garland drains and collection sump is constructed to arrest the surface run –off during rains.
IV. Noise monitoring and prevention		
i.	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation And Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noise level monitoring is being carried out regularly and being submitted with six monthly compliance report.
V. Energy Conservation measures		
i.	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	Solar lights are provided at common areas i.e all main gates, parking and garden areas. LED lights are used in plant at street lights as well as at shop floors & offices.
VI. Waste management		
i.	Used refractories shall be recycled as far as possible.	Part of used refractories are taken back by recyclers/suppliers and also use for pavement in house.
ii.	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.	100% utilization of fly ash generated from power plant is being carried out by supply to brick manufacturing units and cement plants. Copy of Fly Ash Return for FY 2021-22 is enclosed as Annexure – VII.
iii.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused in melting Furnaces.	Mill scale /metallic sludge generated from rolling mill scale pit, is being reutilized in pellet manufacturing.

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iv.	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen waste is being converted into compost through mechanical compost convertor and being utilized as manure in green belt.				
VII. Green Belt						
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	33% green belt developed with plantation of 76589 nos. inside plant premises and additional plantation of 64500 nos. is also done at "Oxyzone-I" & Oxyzone-II in an area of 50.73 ha and at Oxyzone-II. Out of which 13500 nos. in 3.47 ha during 2021 to 2023 with overall plantation more than 40%.				
ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	GHG emission and Carbon Footprint Study for two years i.e 2020-21 & 2021-22 is completed. On the basis of Recommendations targets are set for improvement in various environmental parameters. Please refer annex IV.				
VIII. Public hearing and Human health issues						
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan based on HIRA, is prepared and implemented.				
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Heat stress analysis for the workmen who work in high temperature work zone area has been carried out by ARVIND INDUSTRIAL HYGIENE CONSULTANCY RAIPUR (C.G.) in the year 2022 and the report is enclosed as annex XI.				
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Full fledged OHC has been set up in plant premises for regular health screening of workers. The records are maintained and the same are submitted to the Office of Dy. Director, Industrial Health & Safety, Raipur.				
IX. Corporate Environment Responsibility						
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.	<p>Various activities being done under CSR in areas of Health, Education, Infrastructure, Community development and cultural. Expensed incurred on above social activities in last 5 years as follows:</p> <table border="1" data-bbox="893 1657 1260 1868"> <thead> <tr> <th data-bbox="893 1657 1061 1713">FINANCIAL YEAR</th> <th data-bbox="1061 1657 1260 1713">EXPENSES (IN LAC)</th> </tr> </thead> <tbody> <tr> <td data-bbox="893 1713 1061 1868">FY:2017-18</td> <td data-bbox="1061 1713 1260 1868">291.06</td> </tr> </tbody> </table>	FINANCIAL YEAR	EXPENSES (IN LAC)	FY:2017-18	291.06
FINANCIAL YEAR	EXPENSES (IN LAC)					
FY:2017-18	291.06					

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FY:2018-19	289.02
FY:2019-20	315.14
FY:2020-21	518.00
FY:2021-22	950.55

Details of the expenses and activities are attached as **annex XII**.

ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have 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.

Company has Integrated Management Policy (IMS policy) for Safety, Health & Environment which is approved by board of directors.

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 report to the head of the organization.

Environmental cell with qualified staff is formed to address and comply with the environmental norms/guidelines.
Environment cell is headed by EMS-Head, who is reporting the issues to COO.

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.

Copy of the EC is published in local & national news papers. Please refer **annex XIII**.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the

Copy of EC is submitted to local bodies, Panchayats in addition to the relevant offices of the Government.

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	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.	Status of compliance of the environment clearance conditions including results of monitored data is being uploaded on GPIL's website and updated Six monthly basis.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	<p>3 no. of CAAQMS are established for continuous monitoring of PM-10, PM-2.5, SO_x, NO_x & CO.</p> <p>Data is connected with CECB/CPCB server & being displayed at main entry gate.</p> <p>CEMS URL - http://envirofront.m2mlogger.com/</p> <p>ID sanjay.srivastava@gpil.in</p> <p>Pass - password</p> <p>CAQMS URL - onlinedata.swaneviron.com ID GPIL</p> <p>Pass - Gpil@123</p>
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	<p>Status of compliance of the EC conditions including results of monitored data is being uploaded on MOEF website as well as GPIL' websites and updated six monthly basis.</p> <p>GPIL website: https://www.godawaripowerispat.com/</p> <p>MOEF parivesh portal : ID- tonmoy,bose@hiragroup.com Pass- vjdPrds</p>
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	<p>Environment statement report is being submitted regularly.</p> <p>ES for the year 21-22 has been submitted.</p>
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the	Complied

Says

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

Saya

Status of progress to achieve stack emission within 30mg/nm³.

(Annex-1)

(as on 31.03.2023)

Plant / Stack	Pollution control device	Work Awarded to	Brief about the modification with technical details	Approx. Cost of the Modification work	Status of Implementation	Completion Date
Stack 1 70TPH + K1	ESP	M/s VT Corp	All old emitting & collecting electrodes are replaced with latest design electrodes. Capacity of ESP increased by adding specific collection area from 135m ² /m ³ /sec. to 187m ² /m ³ /sec.	5.0 Crores	Work Completed	Completed (30.05.2022)
Stack -2 100TPH+ K2	ESP	M/s VT Corp	Addition of 2 nos. new field, which will result in increase of collection area by 55m ² /m ³ /sec. New 228 nos. electrodes are introduced in flue gas path.	4.0 Crores	Work Completed	completed 15.03.2023.
Stack -3 K3+K4	ESP	M/s VT Corp/ M/s Adore	Replaced low frequency controller panels & transformer with mid/high frequency controllers & transformer.	1.5 Crores	Work Completed	completed 10.03.2023
Stack-4 Pellet Plant	ESP	Achieved stack emission less than 28 mg/nm ³ PTFE bags are in used.				
Stack-5 Pellet Plant	ESP					
Stack-6 FAD	Bagfilter	Achieved stack emission less than 30 mg/nm ³ PTFE bags are in used.				
Stack-7 SMS	Bagfilter					

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COM/PUR/FORM

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
Plot No-42B2,Phase - 1, Sihara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS
GODAWARI POWER & ISPAT LTD
PLOT NO : 42B /2, PHASE 1, INDUSTRIAL AREA,
SIHARA, 493111, RAIPUR - (C. G.)
PH No : 07714082333 / FAX : 07714082234
PLACE OF SUPPLY : CHHAIATISGARH(22)

PO Number : 2142006405
PO Date : 07.12.2021
Amended Date : 07.12.2021
GST NO : 22AAAC17189K12U
PAN NO : AAAC17189K
CIN NO : L27106CT1989PLC03316

VENDOR ADDRESS

VT CORP PVT LTD
901 Westfall Sakar Plaza Complex
Mumbai - 400059

GST NO : 27AADCV1899C125
PAN NO : AADCV1899C
Cont. Person :
E-Mail : raj.chauhan@vtcorp.in

Vendor reference code : Z2000444
Contact No. : 9911204926

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & over leaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	UPGRADATION OF ESP WITH ACCESSORIES Item Description: UPGRADATION OF ESP WITH ALL INTERNALS ITEM WITH COMM SSONING, Used: ESP EMISSION CONTROL; Used on Model: ESP; SCOPE OF SUPPLY:- 1.1 INTERNAL EQUIPMENTS .EMITTING ELECTRODES WITH FASTENING MATERIAL .TUBULAR FRAME'S PIPES FOR FITTING THE EMITTING ELECTRODES .SUSPENSION, SPACERS AND ANVIL FOR THE TUBULAR FRAMES SUPPORT ARRGT. FOR THE TUBULAR FRAMES HIGH VLTAGE INSULATION FOR THE SUSPENSION OF EMITTING SYSTEM AND THE POWER INDEED .VT-240 TYPE ROLLED PROFILED COLLECTING ELECTRODE PLATES .RAPPING BARS FOR THE COLLECTING ELECTRODES .RAPPING MECHANISM DRIVEN BY GEARED MOTORS FOR CLEANING OF COLLECTING AND EMITTING ELECTRODES.	1.000	E.A	05.06.2022	46,516,750.00	16	8504	0.00	46,516,750.00

Prepared By

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Page 1 of 1 16:42:05



CORP/PUR/04

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
Plot No-42B/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD
PLOT NO: 42B/2, PHASE 1, INDUSTRIAL AREA,
SILTARA, 493111, RAIPUR - (C. G.),
PIN No : 07714002133 / FAX : 07714062234
PLACE OF SUPPLY : CHHATTISGARH(22)

PO Number : 214290074
PO Date : 04.02.2022
Amorced Date: : 04.02.2022
GST NO : 22AAAC171896129
PAN NO : AAAC17189K
CRN NO : L27106CE1999PL0013766

VENDOR ADDRESS

VT CORP PVT LTD
001 Wheel Sahar Plaza Complex
Mumbai - 400059

GST NO : 22AAACV1899C125
PAN NO : AAACV1899C
Cont. Person :
E-Mail : raj.chauhan@vtcorp.in

Vendor reference code : Z2000444
Contract No. : 0011203056

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	UPGRADATION OF ESP (AFBC - 2) Item Description: UPGRADATION OF ESP AFBC - 2; Used: EMISSION CONTROL TO BELOW 20MG/NM ³ ; Model and Size: ESP Model 18132x6/4, Used on Model - EXISTING ETX LX ESP 3424(F-7)(13M); ESP MODEL- EXISTING ESP3424(F-7)(13M) WITH NEW FIELD ESP Model 18132x6/4 UPGRADATION OF ESP FOR 100 TPH(AFBC - 2):- SCOPE OF SUPPLY : Modification of the existing ESP (ONLY FOR NEWLY ADDED 2 FIELD ESP) 1.INTERNAL EQUIPMENTS:- A)Existing Electrodes with fastening material. B)Tubular Frames/Pipes for Discharge Frames for fitting the Emitting Electrodes, Suspension, Spacers and Arms for the Tubular Frames. C)Support Arqpt. for the Discharge Frames. D)High Voltage insulators for the suspension of the Emitting System and	1.000	EA	05.05.2022	33,259,550.00	12	8504	0.00	33,259,550.00

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COMPUTERISE

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
Plot No-42B/2 Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD
PLOT NO - 42B / 2 , PHASE 1 , INDUSTRIAL AREA ,
SILTARA , 493111 , RAIPUR - (C. G.)
P-I No : 07734062533 / FAX : 07714062234
PLACE OF SUPPLY : CHHATTISGARH(22)

PO Number : 2142000031
PO Date : 04.02.2022
Amended Date : 05.02.2022
GST NO : 22AAACD7585K1ZB
PAN NO : AAACD7169K
CIN NO : L27100C11000PL0013750

VENDOR ADDRESS

Laxmi Engineering Works
A-1, 505 / 505, G.I.D.C, Phase III, Umrigaon
Vadodra - 390009

GST NO : 24AAEFL3990E225
PAN NO : AAFL3990C
Cont. Person : Mr. Kamlesh Yadav
E-Mail : kamlesh.yadav@laxmieng.com

Vendor reference code : 24003071
Contact No : 0260 2562568

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	1.D.F AN CAP - 26200MWH/2 M30HRM Additional Detail: TYPE - CENTRIFUGAL S.I.S.W. SIMPLY SUPPORTED BACKWARD CURVED,CAPACITY - 262000 MMHR,FAN SPEED :990 RPM,OPERATING TEMP. :- 150°C,ST. PRESSURE :-150°C :- 200 MM WC,ST. PRESSURE :-20°C :- 285 MM WC, POWER BKW -164,FLUID HANDLED :-FLUE GAS WITH COAL DUST, ST. EFFICIENCY : 78% ID Fan for 100 TPH BOILER, Type-Centrifugal Backward Curved - Simply Supported - S.I.S.W., Model No.11-172, Gas flow rate M3/HR-(262800 M3/HR), Flue gas temperature/Air temp-150, Mechanical design temp deg C -225, Fan Speed-990, Minimum Motor with 10% margin on shaft power at operating condition KW-250KW/HP	2,000	ST	31.03.2022	2,600,000.00	18	8414	0.00	5,200,000.00

Total 5,200,000.00
IGST 936,000.00
Net PO Amt 6,136,000.00

Amount In Words : SIXTY ONE LAKH THIRTY SIX THOUSAND Rupees Only

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COMPLIANCE

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
Plot No-420/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD
PLOT NO : 420 / 2 , PHASE 1 , INDUSTRIAL AREA ,
SILTARA, 493111 , RAIPUR - (C. G.)
PH No : 07714082233 / FAX : 07714082234
PLACE OF SUPPLY : CH-47 TISGARH(CZ)

PO Number : 2145000204
PO Date : 16.03.2022
Amended Date : 16.03.2022
GST NO : 22AAAG7189K1ZB
PAN NO : AAAC7189K
CIN NO : L27100CT1899PLC013756

VENDOR ADDRESS

JSB ENGINEERING
DABUA PALI ROAD, OPP. PLOT NO. 2, NIT
FARIDABAD - 121001

GST NO : 06CUNPS3459N12P
PAN NO : CUNPS3459N
Cont. Person :
E-Mail : jsbprojects@yahoo.com

Vendor reference code : 24003506
Contract No. : 8050100101

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SlNo	Description	Qty.	UCM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	C.I Bend 100 NB 45 Deg. Flange End Type: Bend End Connection-Flanged Size: 100 MM Material Application: Pipe Fittings - Additional Detail: 100 NB, 45 Deg. Bend, Material ICI ACI	20.000	EA	15.04.2022	4,300.00	18	3325	0.00	86,000.00
								Total	86,000.00
								IGST	15,480.00
								Net PO Amt	101,480.00

Amount In Words : ONE LAKH ONE THOUSAND FOUR HUNDRED EIGHTY Rupees Only

Payment Terms : 100% pay within 15 days of receipt of Mat. / Inv.

Terms Of Payment

IncoTerms : FOB Faridabad

Terms Of Delivery

LD Clause : LD will be deducted @ 0.5 % per week from delivery date (subject to maximum 5 %).

OtherTerms : All Materials supply should accompany Test Certificate mandatorily.

Ref.No. JSB/MS/GPIU/2021-22/SO/627, Dt. 15.03.2022

Remarks

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COMBINEFORM

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
 Plot No-426/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO : 426 / 2 , PHASE 1 , INDUSTRIAL AREA ,
 SILTARA 493111 , RAIPUR - (C. G.)
 PH.No : 07714082333 / FAX : 07714082234
 PLACE OF SUPPLY : CHHATTISGARH(22)

PO Number : 2142008207
 PO Date : 16.03.2022
 Amended Date : 16.03.2022
 GST NO : 22AAACD7189K12N
 PAN NO : AAACD7189K
 CIN NO : L27106CT1899PLC012756

VENDOR ADDRESS

BHARAT METAL AND TUBES
 A-29, SULTANA DEVI SHARDA MARKET
 RAIPUR - 492111

GST NO : 27BAPD37819K12N
 PAN NO : BAPD37819K
 Cont. Person : Mr Bharat Dewani
 E-Mail : bharametal2013@gmail.com

Vendor telephone code : 44004331
 Contact No : 922051908

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty	UOM	Delivery Date	Rate	SGST&CGST (%)	HSN	Disc	Amount
10	M.S Flange 4" 16mm THK For Ash Line End Connection : Flange, ID - 116 MM, Material : Mild Steel, OD - 214 MM, Size : PCD-176MM NO.OF HOLE-4 HOLE DIA,18MM, THICK - 16 M	120.000	EA	15.04.2022	340.00	0	7307	0.00	40,800.00
20	M.S Flange 2" 16mm THK For Ash Line End Connection : Flange, ID - 80 MM, Material : Mild Steel, OD - 160 MM, Size : PCD-155MM NO.OF HOLE-4 HOLE DIA,18MM,	50.000	EA	15.04.2022	245.00	0	7307	0.00	12,250.00
Total									53,050.00
CGST									4,775.00
SGST									4,775.00
Net PO Amt									62,600.00

Amount in Words : SIXTY TWO THOUSAND SIX HUNDRED Rupees Only
 Payment Terms : 100% pmt within 30 days of receipt of Mat. / Serv.
 Terms Of Payment :
 IncoTerms : FOB Godown Raipur
 Terms Of Delivery :
 LD Clause : LD will be deducted @ 0.5 % per week from delivery date (subject to maximum 5 %) .
 OtherTerms : All Materials supply should accompany Test Certificate immediately.
 Ref.No. BMT/1526/21-22, Dt. 14.03.2022

Remarks

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Page 1 of 2 15:34:00



COMPUTER FILE

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-426/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO. 426/2, PHASE 1, INDUSTRIAL AREA,
 SILTARA, 493111, RAIPUR - (C. G.)
 PH No : 07714002333 / FAX : 07714002334
 PLACE OF SUPPLY : CHHATISGARH(22)

PO Number : 2142609757

PO Date : 19.03.2022

Amended Date : 02.09.2022

GST NO : 22AAACT189K1ZF

PAN NO : AAACD189K

CIN NO : L27105CG1999PL0013760

VENDOR ADDRESS

Process Engineers
 2954, NAWADA BAZAR,
 RAJAGARH, NEW DELHI
 NEW DELHI - 110043

GST NO. : 07AAAP6805K1ZF

PAN NO : AACFP6805K

Cont. Person :

E-Mail : pncust@rediffmail.com

Vendor reference code : 24001027

Contract No. : 0021212576

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	MODIFICATION OF ASH HAND SYSTEM AT RC-2 Item Specification: MANUFACTURING PROCUREMENT & SUPPLY OF DENSE PHASE PNEUMATIC FLY ASH CONVEYING SYSTEM FOR MODIFICATION IN EXISTING DENSE PHASE PNEUMATIC FLY ASH CONVEYING SYSTEM FOR EXISTING AFSC: Application: Denser Phase Pneumatic Conveying System for the Ash discharging from the outlet of Eco Hopper (2 Nos.), APH Hopper (2 Nos.), ESP Hoppers (3 Nos.) to Fly Ash Storage Silo Material to be conveyed 100% Fine Husk (Design Ash) / 50% Rice Husk + 25% Coal + 25% Dolomite / 60% Coal + 40% Dolomite Design Ash Density (Design) 250 Kg/M3 Fly Ash Particle Size As detailed in annexure - I Material Flow ability Free Flow Nature of Ash Dry Powder Type of Feed Gravity	1.000	51	30.08.2022	2,550,000.00	18	84133990	0.00	2,550,000.00

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COMBUSTION

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-42B/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD
 PLOT NO - 42B/2, PHASE 1, INDUSTRIAL AREA,
 SILTARA, 493111, RAIPUR - (C.G.)
 PH No : 07714082343 / FAX : 07714082234
 PLACE OF SUPPLY : CHAITISGARH/22

PO Number : 2142005481
 PO Date : 20.03.2022
 Amended Date : 21.04.2022

GST NO : 22AAACD189K1ZG
 PAN NO : AAACD189K
 CIN NO : L27100GJ1999PL0013706

VENDOR ADDRESS

JAYDEEP STEEL INDUSTRIES
 AT. HAMDHARA POST, KONDAMVE,
 SATARA - 415002

GST NO : 270JJPO999201ZY
 PAN NO : JJJPO99920
 Cont. Person : M. C. B. DEWASHI
 E Mail : jaydeepsteelind123@gmail.com

Vendor reference code : 24003776
 Contact No : 9967138366

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

Sr.No	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
30	C.S. Seamless Pipe 4" Sch. 40 Len - 40 (OD. 114.3, 114-6.02MM) Mtc - SA106 Gr.B	300.000	M	30.04.2022	2,054.63	10	7304	0.00	626,389.00
20	M.S. Seamless Pipe 4" Sch-80 Material - Mild Steel Schedule/Thickness : 80 schedule, Used on/Application : Baling Disc Snapper	100.000	M	30.04.2022	2,353.00	10	7304	0.00	235,300.00
40	S.S. 304 Seamless Pipe 1-1/2" SCH-40 Application : water line, Fryd Conewclass : plain, Inside Diameter : 40 mm, Outside Diameter : 52 mm, 118 - 6 MM	4.000	M	30.04.2022	2,306.86	10	7304	0.00	9,227.44
50	M.S. Seamless Pipe 1" Sch-40 Type:Seamless Pipe Pipe Size:1 INCH Material:Mild Steel	100.000	M	30.04.2022	403.60	10	7304	0.00	55,053.50
10	C.S. Seamless Pipe 2" Sch. 40 Type:Seamless Pipe Pipe Size:2 INCH Material:Carbon Steel Schedule/Thickness:5 40/3.91MM THK Inside Diameter:52.48 MM Outside Diam.	40.000	M	30.04.2022	673.60	10	7304	0.00	40,416.00
60	M.S. SEAMLESS PIPE (D-470 MM OD 500 MM Used on/ Used on EOT crane rope drum, Item Description: M.S SEAMLESS PIP I Inside Diameter : 470 mm	6.000	M	30.04.2022	23,901.36	10	7304	0.00	143,948.16

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Page 1 of 2 16/03/22



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GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-426/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO : 426 / 2 , PHASE 1 , INDUSTRIAL AREA ,
 SILTARA, 493111 , RAIPUR , (C. G.)
 PH No : 0771482233 / FAX : 0771482234
 PLACE OF SUPPLY : CHHATTISGARH(22)

PO Number : 2242507561
 PO Date : 24.12.2022
 Amended Date : 24.12.2022
 GST NO : 22AAAC7188K1Z0
 PAN NO : AAAC7188K
 CIN NO : L27100CT1989PLC013750

VENDOR ADDRESS

PRESTIGE METALLICS PVT. LTD.
 NEAR LOHA BAZAAR, MAIN ROAD, RING ROAD NO.2, HIRAPUR
 RAIPUR - 492001

GST NO : 22AAC51303022N
 PAN NO : AAAC513070
 Cont. Person : Mr. vikas Gupta
 E-Mail : prestige@metallica@gmail.com

Vendor reference code : Z4003470
 Contact No. : 0771-2220160

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	SGST&CGST (%)	HSN	Disc	Amount
10	M.S.Plates 25 mm Type:Plate Thickness:25 MM Width:2500 MM Length:12500 MM Grade:IS 2062 Reference Standard:IS 2062	4.500	TD	30.01.2023	57,000.00	0	7208	0.00	256,500.00
20	M.S.Plates 20 mm Type:Plate Thickness:20 MM Width:2500 MM Length:12500 MM Grade:IS 2062 Reference Standard:IS 2062	2.500	TD	30.01.2023	56,500.00	0	7208	0.00	141,250.00
30	M.S.Plates 12 mm Type:Plate Thickness:12 MM Width:2500 MM Length:12500 MM Grade:IS 2062 Reference Standard:IS 2062	2.000	TD	30.01.2023	55,000.00	0	7208	0.00	110,000.00
40	M.S.Plates 8 mm Type:Plate Thickness:8 MM Width:1250 MM Length:6300 MM Grade:IS 2062 Reference Standard:IS 2062	1.000	TD	30.01.2023	64,500.00	0	7208	0.00	64,500.00
50	M.S.Plates 12 mm Type:Plate Thickness:12 MM Width:2500 MM Length:12500 MM Grade:IS 2062 Reference Standard:IS 2062	5.000	TD	30.01.2023	55,000.00	0	7208	0.00	275,000.00

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Page 1 of 2 15:35:40



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GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-423/2, Phase - 1, Siltara Industrial Area, Rajpur - 493111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO : 423/2, PHASE 1, INDUSTRIAL AREA,
 SILTARA, 493111, RAJPUR - (C.G.)
 PH No : 07714002311 / FAX : 07714082234
 PLACE OF SUPPLY : CHEIATTISGARH(22)

PO Number : 2242997553
 PO Date : 24.12.2022
 Amended Date : 02.01.2023
 GST NO : 22AAAC07189N1ZB
 PAN NO : AAAC07189H
 CIN NO : L27106CT1899PLD01376E

VENDOR ADDRESS

SIS Irons & Power Limited, Silera
 Phase E, Industrial Growth Centre,
 Silera,
 Raipur - 493111

GST NO : 22AEC53299N1ZW
 PAN NO : AAEC53299H
 Cont. Person :
 E-Mail : salesworks@spisgpo.com

Vendor reference code : 24004042

Contract No : 07721-20-1372

Please supply the following items strictly conforming to the details mentioned here under and as per terms & conditions given below & overleaf

SrNo	Description	Qty.	UOM	Delivery Date	Rate	SGST&CGST (%)	HSN	Disc	Amount
10	M.S.Channel 400 mm Type:Indian Standard Medium Channel Size:100 W x 400 L MM Length:400 MM Weight:50.1 Kg/m Grade:IS-808-1989 Reference Standard IS:	1.500	T.O	30.01.2023	56,424.00	9	7216	0.00	304,832.00
20	M.S.Channel 300 mm Type:Indian Standard Medium Channel Size:90 W x 300 L MM Length:300 MM Weight:36.3 Kg/m Grade:IS-808-1989 Reference Standard IS:	3.800	T.O	30.01.2023	51,324.00	9	7216	0.00	204,911.20
40	M.S.Channel 200 mm Type:Indian Standard Medium Channel Size:75 W x 200 L MM Length:200 MM Weight:22.3 Kg/m Grade:IS-808-1989 Reference Standard IS:	0.500	T.O	30.01.2023	53,024.00	9	7216	0.00	26,512.00
50	M.S.Angle 65x6 mm Type:Indian Standard Angle Size:65 W x 65 L x 6 THK MM Thickness:6 MM Length:65 MM Weight:5.8 Kg/m Grade:IS-808-1989 Reference Sta	1.000	T.O	01.01.2023	61,924.00	9	7216	0.00	51,924.00
30	M.S.Channel 200 mm Type:Indian Standard Medium Channel Size:75 W x 200 L MM Length:200 MM Weight:22.3 Kg/m Grade:IS-808-1989	1.200	T.O	30.01.2023	53,024.00	9	7216	0.00	63,628.80

Prepared By

Verified By

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 Authorized Signatory

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COMPURF04

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
Plot No-428/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD
PLOT NO : 428 / 2 , PHASE 1 , INDUSTRIAL AREA ,
SILTARA, 493111 , RAIPUR - (C. G.) -
Ph No : 07714062333 / FAX : 07714062234
PLACE OF SUPPLY : CHATTISGARH (22)

PO Number : 2242089940
PO Date : 13.02.2023
Amended Date : 13.02.2023

GST NO : 23AADCV1890C125
PAN NO : AADCV1890C
CRV NO : 127106CT1099PLCD13756

VENDOR ADDRESS

VI COMP PVT LTD
801 Woodfall Sator Plaza Complex
Mumbai - 400059

GST NO : 23AADCV1890C125
PAN NO : AADCV1890C
Cont. Person :
E-Mail : raj.chauhan@vzcorp.in

Vendor reference code : Z2000444
Contact No. : 9811298024

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo.	Description	Qty.	UDM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	PI INSULATOR ESP AFBC - 1 MAKE-V T CORP., MODEL - 1670 B/XT10M00	6,000	EA	14.04.2023	15,000.00	18	0640	4,500.00	85,500.00
20	PRESSURE SLEEVE WITH NUT & BOLT MEX 75) MAKE-V T CORP., MODEL - 1670 B/XT10M00, 1SET - 2 Nos	2,000	ST	14.04.2023	210.00	18	8413	21.00	390.00
								Total	85,890.00
								IGST	15,462.00
								Net PO Amt	101,351.00

Amount in Words : ONE LAKH ONE THOUSAND THREE HUNDRED SIXTY ONE Rupees Only
Payment Terms : 30% ADV & 70% AGT PR.
Terms Of Payment
IncoTerms : EXW - Mumbai
Terms Of Delivery
LD Clause : LD will be deducted @ 0.5 % per week from delivery date (subject to maximum 5 %).
OtherTerms : All Materials supply should accompany Test Certificate randomly.
Ref Offer email Dated 10.02.2023 & Telephonic discussion held on 13.02.2023

Remarks

Prepared By

Verified By

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Authorized Signatory

Page 1 of 2 15:27:50



COMBIPROFSA

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-428/2, Phase - 1, Sittara Industrial Area, Raipur - 491111 (C.O)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO : 428/2, PHASE : 1, INDUSTRIAL AREA,
 SITTARA 491111, RAIPUR - (C. O.)
 Ph No : 9771486233 FAX : 9771486234
 PLACE OF SUPPLY : CHHATTISGARH/CG

PO Number : 204004282
 PO Date : 25.11.2025
 Amended Date : 11.05.2025
 GST NO : 22AAAC17198K178
 PAN NO : AAAC07169K
 CIN NO : L27106CG1998PLC01376

VENDOR ADDRESS

SON SAREE TRADERS
 PLOT NO.6,BLOCK NO.2,NEW BISHNIA NAGAR,WARD NO 3
 BHILAI - 490020

GST NO : 22BDDY9260K170
 PAN NO : BDDP9288K
 Cont. Person : M. MR V.VENUGOPAL RAO
 E-Mail : vashma12000@yahoo.com

Vendor reference code : Z490307
 Contact No : 0788 2290152

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

Sl.No	Description	Qty.	UOM	Delivery Date	Rate	HSN	Disc	Amount
10	ESP Rectifier TB & Panel 300KV/5000A Item Description: ESP Rectifier Transformer & Panel 300KV/5000A 415V 50Hz, DC Output Voltage 100KV/Make-18RECT; Make-18rect	1.000	ST	18.03.2027	941,000.00	8534	0.00	941,000.00
							Total	941,000.00
							CGST	85,090.00
							SGST	85,090.00
							Net DG Amt	1,111,180.00

Amount In Words : ELEVEN LAKH FIFTEEN THOUSAND ONE HUNDRED RUPEES ONLY

Payment Terms : Please Refer As per Purchase Order

Terms Of Payment

Incoterms : FOB - GPR 54km.

Terms Of Delivery

LD Clause : LD will be deducted @ 0.5 % per week from delivery date (subject to maximum 5 %)

Other Terms : All Materials supply should accompany Test Certificate mandatorily.

(1.) Your letter Ref.No.-SS7/GO/25-21856, Dated 01/11/2020.

(2.) Our Telephonic conversation held on Dated 13/11/2020.

Remarks

(1.) Payment Terms: 30% Advance Payment, 50% Payment (With 100% GST) will be released against "Proof of Dispatch" and Balance 10% Payment will be released after Successful Commissioning at GPR Site.

(2.) Guarantee/Warranty: The Ordered Equipment is covered under Guarantee / Warranty for a period of 18 Months from the date of dispatch and 12 Months from the date of commissioning, whichever is earlier, against defective materials, components or poor workmanship.

Prepared By

Verified By

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 Author of Signatory

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CCW/PUR/04

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-4282, Phase - 1, Siltara Industrial Area, Raipur - 491111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO : 428 / 2 , PHASE 1 , INDUSTRIAL AREA ,
 SILTARA , 491111 , RAIPUR - (C. G.) .
 PIN No : 07714082333 / FAX : 07714082234
 PLACE OF SUPPLY : CHATTISGARH(22)

PO Number : 1942095266
 PO Date : 07.11.2019
 Amended Date : 06.12.2019
 GST NO : 23AAAC07189K1Z8
 PAN NO : AAAC07189K
 CIN NO : L27106CT19099N0013258

VENDOR ADDRESS

Multiplexer
 105, Pankaj Tower, 231 Y.N. Road
 Indore - 452003

GST NO. : 23ADGPK4045E1ZQ
 PAN NO : AADGPK4045E
 Cont. Person : MR Dinesh Kulkarni
 E-Mail : kulkarnidnesh0@gmail.com

Vendor reference code : Z4004055
 Contact No. : 9925062027

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

Sr/No	Description	Qty.	UCM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	ESP HF Control Panel With IGBT Based Sys Used on Application For ESP: Additional Detail: ESP Control Panel HF With IGBT Based System With Supporting REDKOH Controller Key Pad & Display Unit System Input Voltage - 200-600V, 50/60 Hz, 31Phase System Output Voltage Invert With Rated FR Frequency 100Hz, 400°C I 2, Model No. REDKOH141PC-001, Make-REDKOH) Supply & installation of 2 Nos. 100PS with phase Technologies in place of Existing protection II Controller, Make ABB (overhaul)	2.000	CA	07.12.2019	1,300,000.00	18	8504	0.00	2,600,000.00
								Total	2,600,000.00
								IGST	468,000.00
								Net PQ Amt	3,068,000.00

Amount In Words : THIRTY LAKH SIXTY EIGHT THOUSAND Rupees Only

Payment Terms : 100% Payment (with full GST) will be released within 30 days after successful performance of supplied Equipments and against submission of "Performance Bank Guarantee(PBG) for 10% of Basic Order Value" valid till Guarantee Period.

Terms Of Payment : 100% Payment (with full GST) will be released within 30 days after successful performance of supplied Equipments and against submission of "Performance Bank Guarantee(PBG) for 10% of Basic Order Value" valid till Guarantee Period.

Inco Terms : FOB - Plant

Terms Of Delivery

Prepared By

Verified By

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 Authorized Signatory

Page 1 of 2 16/12/19



COMPLIANCE

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-425/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO-425/2, PHASE 1, INDUSTRIAL AREA,
 SILTARA, 493111, RAIPUR, (C.G.)
 PH No: 0771692333 FAX: 07718802734
 PLACE OF SUPPLY: CHHATTISGARH (C.G.)

PO Number : 2142000079
 PO Date : 30.12.2021
 Amended Date : 01.01.2022
 GET NO : 22AACI2109K1Z6
 PAN NO : AAAC37189K
 CIN NO : L27106CT1999PLCO12216

VENDOR ADDRESS

SUN SINEE TRADERS
 PLOT NO.6,BLOCK NO.2NEW KRISHNA NAGAR,WARD NO 3
 BHELVA - 490028

GST No. : Z28EOPR2808R1ZQ
 PAN NO : BDCDF12003K
 Cont. Person : M. MR.V.VENUGOPAL RAO
 E-Mail : sunsinee182030@yaho.com

Vendor reference code : Z490307
 Contact No : 0775 2290117

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

Sl.No.	Description	Qty.	UOM	Delivery Date	Rate	HSN	Disc	Amount
10	ESP Rectifier TR & Panel 100KV/500voh	1.000	ST	31.01.2022	1,125,000.00	8	0.00	1,125,000.00
	Item Description: ESP Rectifier Transformer & Panel 100KV/500voh 415V 50HZ, DC Output Voltage 100KV, Make:ABB/CTE, Mid Frequency Transformer Rectifier Set							
						P & T		22500.00
						Total		1,147,500.00
						CGST		103,275.00
						SGST		103,275.00
						Net PO Amt		1,354,050.00

Amount In Words : 1354050 IN LARG FIFTY FOUR THOUSAND FIFTY Rupees Only

Payment Terms : 50% Advance & balance against Proforma Invoice.

Terms Of Payment

IncoTerms : FOB - CPH SILTARA, RAIPUR

Terms Of Delivery

LD Clause : LD will be deducted @ 0.5 % per week from delivery date (subject to maximum 5 %).

OtherTerms

: All Materials supply should accompany Test Certificate mandatorily.
 Ref.: Your Quotation No 5518020-21073 dated-05/11/2021 & your E-mail confirmation dated-19/12/2021.

Remarks

1.) Guarantee/Warranty: 18 Months from the date of dispatch or 12 Months from the date of Commissioning, whichever is earlier, against defective materials, components or poor workmanship.

2.) Supervision of Installation, Testing & Commissioning: Will be done by Supplier (Sun Sinee Traders / Hira) at GPR Site, Siltara, Raipur on Time of Cost Basis. If required. Only Lodging & Boarding to your Commissioning Engineer will be provided by GPR.

Prepared By

Verified By

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 Authorized Signatory

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COMPLIANCE

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-4282, Phase - 1, Sitara Industrial Area, Raipur - 491111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO - 428/2 , PHASE 1, INDUSTRIAL AREA,
 SITARA, 493311 , RAIPUR - (C. G.)
 PH No : 07714852323 / FAX : 07714852234
 PLACE OF SUPPLY : CHHATTISGARH(72)

PO Number : 224201978
 PO Date : 11.06.2022
 Amended Date : 11.06.2022

GST NO : 22AAAC1186K12H
 PAN NO : AAAC1186K
 CIN NO : L27106C18999PL081373E

VENDOR ADDRESS

SUN SHINE TRADERS
 PLOT NO 6, BLOCK NO 2N/W KRISHNA NAGAR, WARD NO.3
 Dist. Ar - 490020

GST NO : 22800402801K17Q
 PAN NO : BDDP92803K
 Cont. Person : M. MR V VIGNESH RAO
 E-Mail : sunshinetraders@yahoo.com

Vendor reference code : Z400307
 Contact No : 0703 2200141

Please supply the following items strictly conforming the details mentioned here under and as per terms & conditions given below & overleaf

SrNo	Description	Qty.	UOM	Delivery Date	Rate	SGST&CGST (%)	HSN	Disc.	Amount
10	ESP Rectifier TR & Panel 110KV/2500kVA Additional Detail: ESP Rectifier TR & Panel 110KV/2500kVA, Application: L/S P-Frequency Rating (Hz): 50/60; Primary Voltage Rating: 415 VCB,1; Secord dry Voltage Rating: 110 KV, Used on: LSP; BFTMCC 110/110 Air pur Data Sheet Endused PROJECT Make Mid Frequency Transformer Rectifier Set	2.000	ST	01.09.2022	1,311,000.00	0	8604	0.00	2,670,000.00
									P & F 57,400.00
									Total 2,727,400.00
									CGST 245,906.00
									SGST 245,906.00
									Net PO Amt 3,219,212.00

Amount in Words : THIRTY TWO LAKH THIRTEEN THOUSAND SIX HUNDRED TWELVE Rupees Only

Payment Terms : 40% Advance along with Order, 50% payment (with 100% GST) will be released against submission of PI (after readiness of Ordered Material at your Works) before dispatch. Balance 10% payment will be released after Successful Commissioning of supplied ESP Rectifier TR & Panel at OPIL Site or within 1-months from the date of receipt of Material at OPIL Site whichever is earlier.

Prepared By

Verified By

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 Authorized Signatory

Page 1 of 3 16.11.22



COMPUR/04

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
 Plot No-428C, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS
 GODAWARI POWER & ISPAT LTD
 PLOT NO - 428 C2, PHASE 1, INDUSTRIAL AREA,
 SILTARA, 493111, RAIPUR - (C. G.)
 PHONE : 07714082333 / FAX : 07714082214
 PLACE OF SUPPLY : CHATTISGARH/22

PO Number : 220200213
PO Date : 18/06/2022
Amended Date : 30/06/2022

GST NO : 22AAAC07180R129
PAN NO : AAAD07589K
Chk NO : L271360T180R1C013316

VENDOR ADDRESS

ADDO POWERTRON LIMITED
 Adar Wazir, City Campus, Plot No.11
 DUNE - 411010

GST NO. : 27AAACAY180R17A
PAN NO : AADCAH1598
Cont. Person :
E-Mail : RA@addo.com

Vendor reference code : 21005023
 Contact No. : 0912131222

Please supply the following items strictly conforming to the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
1E	ESP TRANSFORMER 250 MVA/110 KV Application: FOR ESP; Cooling Type: OILAIR; Frequency Rating (Hz): 50; Power Rating: 70.36 MVA; Primary Voltage Rating: 110 KV; Secondary Voltage Rating: 415 VOLT; Type: SINGLE PHASE, Used on: ESP; Mfg. Make: (Addo Powertron Limited Make) HVTR series of Rating: 110KV/3, 750MVA, Filled with silicon oil; Details for Existing Mid Frequency Panel.	2,000	EA	03.08.2022	600,000.00	18	8504	0.00	1,200,000.00
								Total	1,200,000.00
								IGST	216,000.00
								Net PO Amt	1,416,000.00

Amount In Words : FOURTEEN LAKH SIXTEEN THOUSAND Rupees Only

Payment Terms : 20% Advance along with order, 70% Payment (with 100% GST) will be released against submission of P.I. (after readiness of Ordered Material at your Works) before dispatch.
 Balance 10% payment will be released after Successful Commissioning of supplied ESP Rectifier TR & (H&C) Panel at GPL Site or within 3 months from

Terms Of Payment : 20% Advance along with order, 70% Payment (with 100% GST) will be released against submission of P.I. (after readiness of Ordered Material at your Works) before dispatch.
 Balance 10% payment will be released after Successful Commissioning of supplied ESP Rectifier TR & Panel at GPL Site or within 3-months from

Inco Terms : FOB GPL Site, Raipur

Prepared By

Verified By

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 Authorized Signatory

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COMPUTER

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-428, Phase - 1, Siltara Industrial Area, Raipur - 492111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO-428/2, PHASE 1, INDUSTRIAL AREA,
 SILTARA, 492111, RAIPUR - (C.G.).
 PIN No : 492102/233 / FAX : 071402234
 PLACE OF SUPPLY : (3484AT79CJAB027)

PO Number : 224001978
 PO Date : 11.06.2022
 Amended Date : 11.06.2022
 GST NO : 22AAAC0189H129
 PAN NO : AAAC0189H
 CIN NO : L2190CT199HL001152

VENDOR ADDRESS

SUN SHINE TRADES
 PLOT NO.6,BLOCK NO.290, W KIRISHNA NAGAR,WARD NO.3
 BHAILAI - 490020

GST NO : 22B00P1280DA120
 PAN NO : BDDPR2603R
 Cont. Person : M. MR.V VEJAJGOPAL SAO
 E-Mail : sunshinetrades@yahoo.com

Vendor reference code : 2400399
 Contact No : 87082290142

Please supply the following items strictly conforming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	HSN	Disc	Amount	
01	ESP Rectifier TR & Panel 110KV/750kVA Additional Detail: ESP Rectifier TR & Panel 110KV/750kVA, Application: ES, P. Frequency Rating (Hz): 50 Hz, Primary Voltage Rating: 415 VDC, Series, Secondary Voltage Rating: 110 KV, Used on: ES, MFR/CC: 110710 As per Data Sheet Enclosed, MAKE/CT: Make/Mod Frequency Transformer Rectifier Set	2000	ST	05.09.2022	1,335,000.00	8504	0.00	2,670,000.00	
								P & T	53,400.00
								Total	2,723,400.00
								CGST	245,106.00
								SGST	245,106.00
								Net PO Amt	3,213,612.00

Amount in Words : THIRTY TWO LAKH THIRTEEN THOUSAND SIX HUNDRED TWELVE Rupees Only

Payment Terms : 40% Advance along with Order, 50% payment (with 100% GST) will be released against submission of P.I. (after readiness of Ordered Material at your Works) before dispatch. Balance 10% payment will be released after Successful Commissioning of supplied ESP Rectifier TR (s)&(s) Panel at GPHL Site or within 1-month from the date of receipt of Material at GPHL Site whichever is earlier.

Prepared By

Verified By

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 Authorized Signatory

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CONTRACT/001

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-420/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
PLOT NO : 420/2 , PHASE 1 , INDUSTRIAL AREA ,
SILTARA , 493111 , RAIPUR - (C.G.)
Ph No : 0771402333 / FAX : 0771402234
PLACE OF SUPPLY : GHATTISGARH(22)

PO Number : 2242009411
PO Date : 02.03.2023
Amended Date : 02.03.2023
GST NO : 22AAACD1189K12D
PAN NO : AAACD1189K
CIN NO : L27106GT1900PLCD1175G

VENDOR ADDRESS

Hird Rectifiers Ltd.
P.O.No., 17303,
Lake Road, Bhandup,
Mumbai - 400078
Vendor reference code : Z4000586
Contact No. : 25567332 25567295

GST NO. : Z7AAACH1781Q1Z4
PAN NO : AAACH1781Q
Cont. Person :
E-Mail :

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SlNo	Description	Qty	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	ESP Rectifier TR & Panel 110KV/7500A Additional Detail: ESP Rectifier TR & Panel 110KV/7500A; Application: ES; P; Frequency Rating (Hz): 50 Hz; Primary Voltage Rating: 415 VDS 3; Secion dory Voltage Rating: 110 KV; Used on: ESP; MFRCC 110/750 As per Data Sheet Exclusion Scope of Supply: DIRECT Make Brand New Mid Frequency Transformer Rectifier Set along with Panel MFRCC 110KV/7500A.	4.000	ST	22.06.2023	1,360,000.00	18	8604	0.00	5,400,000.00
Total									5,400,000.00
IGST									972,000.00
Net PO Amt									6,372,000.00

Amount In Words : SIXTY THREE LAKH SEVENTY TWO THOUSAND Rupees Only

Payment Terms : 50% of Basic P.O. Value will be released as Advance along with P.O.,
40% payment (with 100% GST) will be released against submission of P.I.
(i.e. after readiness <->-&-> Inspection of Ordered Material at DIRECT
Works but before dispatch.
Balance 10% payment will be released on commissioning of supplied TR Set
at GHRI -Site or within 1-month from the date of dispatch whichever is
earlier.#

Prepared By

Verified By

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Authorized Signatory

Page 1 of 2 16:17:00



CORPORATE

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-4282, Phase - 1, Silara Industrial Area, Rajpur - 431111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD
 PLOT NO: 4282 / 2, PHASE 1, INDUSTRIAL AREA,
 SILLARA, 431111, RAJPUR - (C. G.)
 PIN No : 0771406333 / FAX : 07714062234
 PLACE OF SUPPLY : CHHATTISGARH(2)

PO Number : 384006407
 PO Date : 27.03.2019
 Amended Date : 27.03.2019
 GST NO : 22AAAC11189612R
 PAN NO : AAAC1109K
 CR NO : L27100CT1899PLC013756

VENDOR ADDRESS

Mumbai
 No. Prakash Tower, 23/7 Y.N. Road
 Indore - 452005

GST NO : 23ADQP4405L12Q
 PAN NO : ADQP4405E
 Cust. Person : Mr Dinesh Kabra
 E-Mail : kabradinesh@gmail.com

Vendor reference code : Z4004055
 Contact No. : 9475605317

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
18	ESP 1# Control Panel With IGBT Based Sys Used in Application: For ESP; Additional Detail: ESP Control Panel 1# With IGBT Based System With Supporting REDKOH Controller. Key Pad & Display Unit System Input Voltage - 200-600V, 50/60Hz, 3-Phase System Output Voltage Inline With Rated TH Frequency 100/12-800 Hz. Model No. REDKOH-INTPC-001, Make REDKOH; Supply of Ader Jeddah Make IGBT Based IGBT Control Cabinet & Controller for bringing the current. Emulsion (ESP) with Single Phase TW of Ader make to be Run With IGBT Panel for Better Emulsion at Field 1 & 2)	2.000	EA	08.05.2019	1,150,000.00	18	8504	0.00	2,300,000.00
20	Precision R controller Additional Detail: Retrofit of existing controller with latest Precision R controller. Supply of Simofix Kit with precision R (retrofit of Existing controller with latest Precision R Controller Field 3 & 4)	2.000	EA	08.05.2019	300,000.00	18	8504	0.00	600,000.00
Total									2,900,000.00
IGST									522,000.00
Net PO Amt									3,422,000.00

Amount In Words : THIRTY FOUR LAKH TWENTY TWO THOUSAND Rupees Only

Prepared By

Verified By

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 Authorized Signatory

Page: 1 of 3 16:28:33



CONFIDENTIAL

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-423/2, Phase - 1, Salaria Industrial Area, Raipur - 492111 (C.G.)

PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD
 PLOT NO : 423/2 , PHASE 1 , INDUSTRIAL AREA,
 SALTARA, 492111 , RAIPUR - (C. G.)
 PH No : 07714822331 FAX : 0771482234
 PLACE OF SUPPLY : CHHATTISGARH/25

PO Number : 194006266
 PO Date : 07.11.2019
 Amended Date : 08.12.2019
 CSI NO : 22AAAC17189K123
 PAN NO : AAAC27189K
 DR NO : L27100CF1899K013336

VENDOR ADDRESS

Multiplex
 B-5, Parkside Tower, 22/1 Y.N. Road
 Indore - 452001

GST NO : 23ADGPH0456XMD
 PAN NO : ACDPH4065C
 Cont. Person : Mr Dinesh Kabir
 E-Mail : kabir@resh90@gmail.com

Vendor reference code : Z1001055
 Contact No : 8473825327

Please supply the following items strictly conforming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	ESP HR Control Panel With IGBT Based Sys Used on Application For ESP; Additional Detail: ESP Control Panel HR With IGBT Based System With Supporting REDDOL Controller Key Pad & Display Unit System Input Voltage - 200-240V , 50-60 , 3 Phase System Output Voltage 480V With Rated 10 Frequency 180HZ, 480 H Z, Model No. REDDOL147PC-001, Make REDDOL; Supply & Installation of 2 Nos. HFPS with plus Technologies In place of Existing previous H Control, Make Advx powerbit	2.000	EA	07.12.2019	1,500,000.00	18	8604	0.00	2,600,000.00
								Total	2,600,000.00
								IGST	450,000.00
								Net PO Amt	3,050,000.00

Amount In Words : THIRTY LAKH SIXTY EIGHT THOUSAND Rupees Only

Payment Terms : 100% Payment (with full GST) will be released within 30 days after successful performance of supplied Equipments and against submission of "Performance Bank Guarantee(PBG) for 10% of Order Value" valid Till Guarantee Period.

Terms Of Payment : 100% Payment (with full GST) will be released within 30 days after successful performance of supplied Equipments and against submission of "Performance Bank Guarantee(PBG) for 10% of Order Value" valid Till Guarantee Period.

Inco Terms : FOB - Free

Terms Of Delivery

Prepared By

Verified By

Authorized Signatory

Page 1 of 2 - 16/22/19



HIRA

GODAWARI POWER & ISPAT



MOM held at Godawari Power & Ispat Raipur on 13/03/2023 between GPII Raipur & VT Corp

GPII Raipur

Mr Ravindra Maheshwar
(DGM- Power)



VT Corp

Mr. D Dasgupta
(Manager- Service)

All collecting electrodes assembly and discharge electrodes are erected in 4th and 5th Fields.

All rapping system (CE and DE) are installed and trial run taken found satisfactory.

All internals are erected as per drawing.

Interconnection between old and new fields completed.

T/R sets with H.T ducts erected as per drawing.

Air load test of 4th and 5th fields taken on 12/03/23 and found ok.

Clearance from VT corp dated 13/03/2023 for AFBC-2 Boiler start up.

Godawari Power & Ispat Ltd. Raipur.

VT Corp. Mumbai

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN: 127106CT1999PLC013756

Registered Office and Works: Plot No. 42B/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India
P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India
P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com



HDD-272, Phase III - Near JP Chowk
 Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
 Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address of the Customer		REPORT NO	UES/TH/22-23/09283
To, M/s. Godawari Power & Ispat Limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/AAQM/017814-017821
		DATE OF SAMPLING	03/03/2023 to 27/03/2023
		DATE OF RECEIPT	04/03/2023 to 28/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START-04/03/2023 END-30/03/2023
		SAMPLE DETAILS	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022
SAMPLING LOCATION	GUEST HOUSE (EAST)		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO.: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-1	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part-24) RA 2019	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-1	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-1	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method 10-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2023	62.46	32.68	21.20	29.34	0.9	N.D.
06.03.2023	63.20	30.36	18.34	28.06	0.7	N.D.
10.03.2023	58.14	32.90	19.56	29.64	0.8	N.D.
13.03.2023	61.84	29.56	22.88	27.58	0.5	N.D.
17.03.2023	64.98	30.24	21.76	26.12	0.6	N.D.
20.03.2023	61.86	29.66	18.23	28.56	0.7	N.D.
24.03.2023	60.28	30.95	21.34	29.02	0.9	N.D.
27.03.2023	65.96	31.52	19.41	27.46	1.0	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer
- This is the information as the party has asked for about test procedure

 31/03/2023 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address of The Customer		REPORT NO	UES/TR/22-23/09284
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/AAQM/017822-017829
		DATE OF SAMPLING	03/03/2023 to 27/03/2023
		DATE OF RECEIPT	04/03/2023 to 28/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 04/03/2023 END: 30/03/2023
SAMPLE DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	2247000291 DATED-25.03.2023
SAMPLING LOCATION	SILTARA BOUNDARY (WEST)		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part-24) RA 2019	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 21): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method 10-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2023	60.34	30.20	17.48	26.30	0.6	N.D.
06.03.2023	62.97	32.84	20.36	28.52	0.9	N.D.
10.03.2023	61.36	31.96	18.16	27.67	0.7	N.D.
13.03.2023	55.24	30.48	19.38	26.74	0.4	N.B.
17.03.2023	63.06	32.60	18.24	25.45	0.5	N.D.
20.03.2023	60.37	32.54	20.56	24.25	0.8	N.D.
24.03.2023	59.61	31.66	18.34	25.07	0.6	N.D.
27.03.2023	58.49	32.28	19.94	26.34	0.7	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal evidence is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above listed data.

 31/03/2023 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address of The Customer		REPORT NO	UES/TR/22-23/09265
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/AAQM/017830-017837
		DATE OF SAMPLING	03/03/2023 to 27/03/2023
		DATE OF RECEIPT	04/03/2023 to 28/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 04/03/2023 END: 30/03/2023
		SAMPLE DETAILS	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	2247000293 DATED: 25.05.2022
SAMPLING LOCATION	TANDA BOUNDARY (MORNI)		
DURATION OF SAMPLING	74 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 2X1 NO., SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 2X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-1	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part-24) RA 2019	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 21): 2001, RA 2006 & CPCB Guidelines Vol.-1	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-1	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method 10-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2023	64.98	33.56	19.16	29.27	1.0	N.D.
06.03.2023	58.69	30.44	16.56	28.84	0.6	N.D.
10.03.2023	61.84	32.84	17.87	27.22	0.7	N.D.
13.03.2023	62.94	31.53	16.70	26.46	0.8	N.D.
17.03.2023	59.90	34.01	15.33	29.85	0.9	N.D.
20.03.2023	63.45	29.41	18.74	27.11	0.6	N.D.
24.03.2023	60.38	30.65	15.86	29.81	0.9	N.D.
27.03.2023	65.55	34.86	18.02	26.23	0.8	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, circulation or as legal document is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above priced fee.

 31/03/2023 REVIEWED BY	 	For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



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Name & Address of the Customer		REPORT NO	UES/TR/22-23/09286
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		JAE REF NO	UES/22-23/AAQM/017838-017845
		DATE OF SAMPLING	03/03/2023 to 27/03/2023
		DATE OF RECEIPT	04/03/2023 to 26/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 04/03/2023 END: 30/03/2023
		SAMPLE DETAILS		MONITORING FOR: AMBIENT AIR QUALITY MONITORING CUSTOMER REF. NO. & DATE: 2247000291 DATE: 25.05.2022
SAMPLING LOCATION: BRICK UNIT (BOOTH)		DURATION OF SAMPLING: 24 HOURS SAMPLE COLLECTED BY: LABORATORY CHEMIST	
SAMPLING PROCEDURE: AS PER METHOD REFERENCE		SAMPLE QUANTITY/PACKING: FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO., SO ₂ : 30MLX1 NO. PVC BOTTLE, NO.: 30MLX1 NO. PVC BOTTLE, NUMBER BLADDER: 1X1 NO.	

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-1	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part-24) RA 2019	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-1	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-1	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method 10-5	---

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2023	60.67	32.52	21.95	26.54	0.7	N.D.
06.03.2023	62.81	33.86	20.78	27.63	0.8	N.D.
10.03.2023	63.88	31.94	19.40	26.59	0.9	N.D.
13.03.2023	60.91	29.44	18.53	25.18	1.0	N.D.
17.03.2023	59.39	33.34	17.43	24.67	0.8	N.D.
20.03.2023	64.24	32.97	16.94	27.33	0.7	N.D.
24.03.2023	61.43	30.86	20.81	25.24	0.9	N.D.
27.03.2023	63.58	29.98	17.97	28.69	1.0	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal document is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above listed levels.

 31/03/2023 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
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Name & Address of The Customer		REPORT NO	UES/TR/22-23/09287		
To, M/s. Godawari Power & Sapat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/AQM/017646-017653		
		DATE OF SAMPLING	03/03/2023 to 27/03/2023		
		DATE OF RECEIPT	04/03/2023 to 28/03/2023		
		DATE OF REPORT	31/03/2023		
		DATE OF ANALYSIS	START: 04/03/2023 END: 30/03/2023		
		SAMPLE DETAILS			
		MONITORING JOB	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	2247006293 DATED: 25.05.2022
SAMPLING LOCATION	SILTARA VILLAGE				
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE				
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.				

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	105
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part-24) RA 2019	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	60
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method 10-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2023	59.83	30.96	17.91	28.91	0.9	N.D.
06.03.2023	60.52	29.84	20.83	30.57	1.0	N.D.
10.03.2023	61.71	31.98	18.94	29.22	0.7	N.D.
13.03.2023	63.50	29.52	17.26	31.43	0.8	N.D.
17.03.2023	62.74	30.88	21.75	28.73	0.9	N.D.
20.03.2023	61.63	31.74	19.48	27.80	0.8	N.D.
24.03.2023	62.97	28.92	18.97	29.94	0.7	N.D.
27.03.2023	59.26	29.41	17.31	27.48	0.6	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for about credit only.

 31/03/2023 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



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Name & Address of the Customer		REPORT NO.	UES/TH/22-23/09288
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO.	UES/22-23/AAQM/017854-017861
		DATE OF SAMPLING	03/03/2023 to 27/03/2023
		DATE OF RECEIPT	04/03/2023 to 28/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START:04/03/2023 END:30/03/2023
		SAMPLE DETAILS	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	2247000291 DATED:25.05.2022
SAMPLING LOCATION	TANDA VILLAGE		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS 5182 (Part-24): RA 2019	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 4): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method 16-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2023	57.44	32.61	17.96	26.66	0.9	N.D.
06.03.2023	58.82	29.92	15.30	25.74	0.8	N.D.
10.03.2023	62.63	30.67	16.98	28.44	0.7	N.D.
13.03.2023	59.83	29.85	19.86	27.86	0.9	N.D.
17.03.2023	58.64	28.34	18.25	25.92	0.6	N.D.
20.03.2023	57.50	29.53	17.79	29.23	0.8	N.D.
24.03.2023	60.61	28.38	18.33	28.51	0.9	N.D.
27.03.2023	62.09	31.94	15.99	27.90	0.9	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal evidence is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.
- This is for information as the party has asked for above listed parameters.

 31/03/2023 REVIEWED BY	 	For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
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Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/09290
To, M/s. Godawari Power & Sapat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/ST/017866
		DATE OF SAMPLING	27/03/2023
		SAMPLING TIME	10.30 am
		DATE OF RECEIPT	28/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 28/03/2023 END: 31/03/2023
		SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	Pellet Plant (1.8 MTPA)		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009, PART 3:2008,		
SAMPLE QUANTITY/PACKING	TRIMBLE: 2 X 2 NO.,		

TEST REPORT

Stack details

STACK IDENTITY	Stack # 7, Pellet Plant (1.8 MTPA)
STACK ATTACHED TO	ESP
MATERIAL OF CONSTRUCTION	RCC
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	100 METER
STACK DIAMETER (MTR.)	6.3
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	PRODUCER GAS

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	128	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	13.0	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	1015890.9	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	25.4	28	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	188.6	-	IS :11255 :(Part -2):1985,
OXIDE OF NITROGEN (NO _x)	mg/Nm ³	130.4	-	IS :11255 :(Part -7):1985,

REMARKS: Results Are As Above

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 31/03/2023		For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23
REVIEWED BY		AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address of The Customer To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siitara Industrial Area, Raipur, 493111 (C.G.)	REPORT NO	UES/TR/22-23/09291
	LAB REF NO	UES/22-23/ST/017867
	DATE OF SAMPLING	20/03/2023
	SAMPLING TIME	11.00 am
	DATE OF RECEIPT	21/03/2023
	DATE OF REPORT	24/03/2023
	DATE OF ANALYSIS	START:21/03/2023 END:24/03/2023

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO. & DATE	2247000291 DATED-25.05.2022
SAMPLING LOCATION	Pellet Plant (0.9 MTPA)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009, PART 3:2008
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.,

TEST REPORT

Stack details

STACK IDENTITY	Stack # 4, Pellet Plant (0.9 MTPA)			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	60 METER			
STACK DIAMETER (MTR.)	3.1			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	PRODUCER GAS			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	138	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	19.42	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	382401.2	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	24.2	28	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	186.0	-	IS :11255 :(Part -2):1985,
OXIDE OF NITROGEN (NO _x)	mg/Nm ³	140.6	-	IS :11255 :(Part -7):1985,

REMARKS: Results Are As Above

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 24/03/2023		For ULTIMATE ENVIROLYTICAL SOLUTIONS 24/03/23
REVIEWED BY		AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address Of The Customer		REPORT NO	UES/TR/22-23/09292
To, M/s. Godawari Power & Sapat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/ST/017868
		DATE OF SAMPLING	01/03/2023
		SAMPLING TIME	10.15 am
		DATE OF RECEIPT	02/03/2023
		DATE OF REPORT	06/03/2023
		DATE OF ANALYSIS	START: 02/03/2023 END: 06/03/2023
SAMPLE DETAILS			
MONITORING FOR	STACK EMISSION MONITORING		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	Kiln - 01 (WESP-01) + AFBC 70 TPH		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10):2003		
SAMPLE QUANTITY/PACKING	TWINKLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, HCL: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.		

TEST REPORT				
Stack details				
STACK IDENTITY	Stack # 1, Kiln - 01 (WESP-01) + AFBC 70 TPH			
STACK ATTACHED TO	ESP			
MATERIAL OF CONSTRUCTION	MS			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	74 METERS			
STACK DIAMETER (MTR.)	2.2 METER			
STACK SHAPE AT TOP	CYLINDRICAL + CONICAL			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	144	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	11.4	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	111430.1	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	26.4	30	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	284.6	600	IS 11255 (Part 2):1985,
OXIDE OF NITROGEN (NO _x)	mg/Nm ³	132.2	300	IS 11255 (Part 7):1985,
MERCURY AS HG	mg/Nm ³	N.D.	0.03	USEPA Method No. 29

REMARKS: Results Are As Above

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 06/03/2023		For ULTIMATE ENVIROLYTICAL SOLUTIONS 06/03/23
REVIEWED BY		AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
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To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)	REPORT NO	UES/TR/22-23/09293
	LAB REF NO	UES/22-23/ST/017869
	DATE OF SAMPLING	20/03/2023
	SAMPLING TIME	03.00 AM
	DATE OF RECEIPT	21/03/2023
	DATE OF REPORT	24/03/2023
	DATE OF ANALYSIS	START: 21/03/2023 END: 24/03/2023

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022
SAMPLING LOCATION	Ferro Alloy Furnace
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1, 2:1985 REAFFIRMED 2009, PART 3:2008.
SAMPLE QUANTITY/PACKING	TRIMBLE: 2 X 3 NO.,

TEST REPORT

Stack details				
STACK IDENTITY	Stack # 5, Ferro Alloy Furnace			
STACK ATTACHED TO	BAG FILTER			
MATERIAL OF CONSTRUCTION	MS			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	35 METERS			
STACK DIAMETER (MTR.)	2.0 METER			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	ELECTRICITY			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	128	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.68	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	64515.7	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	24.6	30	IS 11255 (Part 1):1985, RA 2003

REMARKS: Results Are As Above

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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
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Name & Address Of The Customer To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)	REPORT NO	UES/TR/22-23/09294
	LAB REF NO	UES/22-23/ST/017670
	DATE OF SAMPLING	25/03/2023
	SAMPLING TIME	02.20pm
	DATE OF RECEIPT	27/03/2023
	DATE OF REPORT	31/03/2023
	DATE OF ANALYSIS	START: 27/03/2023 END: 31/03/2023

SAMPLE DETAILS

MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022
SAMPLING LOCATION	Kiln - 03 + Kiln - 04 (WHB-03 + WHB-04)
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1, 2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	TRIMBLE: 1 X 1 NO., 500; 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., BG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.

TEST REPORT

Stack details

STACK IDENTITY	Stack # 3, Kiln - 03 + Kiln - 04 (WHB-03 + WHB-04)
STACK ATTACHED TO	ERP
MATERIAL OF CONSTRUCTION	RCC
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	74 METER
STACK DIAMETER (MTR.)	4.2 METER
STACK SHAPE AT TOP	CIRCULAR
TYPE OF FUEL	COAL

Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	146	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	10.19	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	361282.7	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	26.0	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	352.4	600	IS :11255 :(Part -2):1985,
CARBON MONOXIDE (CO)	mg/Nm ³	54.8	100	IS 13270 RA 2019
TOTAL ORGANIC COMPOUNDS (TOC)	mg/Nm ³	3.1	10	USEPA Method No 25 A
OXIDE OF NITROGEN (NO _x)	mg/Nm ³	208.6	300	IS :11255 :(Part -7):1985,

REMARKS: Results Are As Above

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 31/03/2023 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



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Name & Address of the Customer To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)	REPORT NO	UES/TR/22-23/09295
	LAB REF NO	UES/22-23/ST/017871
	DATE OF SAMPLING	27/03/2023
	SAMPLING TIME	04.50 pm
	DATE OF RECEIPT	28/03/2023
	DATE OF REPORT	31/03/2023
	DATE OF ANALYSIS	START:28/03/2023 END:31/03/2023

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO. & DATE	2247000291 DATED:25.05.2022
SAMPLING LOCATION	SSE
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008.
SAMPLE QUANTITY/PACKING	TRIMBLE: 1 X 1 NO.,

TEST REPORT				
Stack details				
STACK IDENTITY		Stack # 6,	Steel Melting Shop (SMS)	
STACK ATTACHED TO			BAG FILTER	
MATERIAL OF CONSTRUCTION			MS	
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)			30 METER	
STACK DIAMETER (MTR.)			2.0 METER	
STACK SHAPE AT TOP			CIRCULAR	
TYPE OF FUEL			ELECTRICITY	
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	67	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	5.07	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	50231.7	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	24.2	30	IS 11255 (Part 1):1985, RA 2003

REMARKS: Results Are As Above

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-----End of the test report-----



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<i>Name & Address Of The Customer</i>		<i>REPORT NO</i>	UES/TR/22-23/09296
To,		<i>LAB REF NO</i>	UES/22-23/FE/017872
M/s. Godawari Power & Sapat limited		<i>DATE OF SAMPLING</i>	28/03/2023
Plot no.: 428/2, Phase - 1,		<i>DATE OF RECEIPT</i>	28/03/2023
Siltara Industrial Area,		<i>DATE OF REPORT</i>	31/03/2023
Raipur, 493111 (C.G.)		<i>DATE OF ANALYSIS</i>	START: 28/03/2023 END: 31/03/2023
SAMPLE DETAILS			
<i>MONITORING FOR</i>	Fugitive Emission Monitoring		
<i>CUSTOMER REF. NO. & DATE</i>	2247000291 DATED: 25.05.2022		
<i>SAMPLING LOCATION</i>	Raw Material Handling Area of Sponge Iron Division (PH-I)		
<i>DURATION OF SAMPLING</i>	8 HOURS		
<i>SAMPLE COLLECTED BY</i>	LABORATORY CHEMIST		
<i>SAMPLING PROCEDURE</i>	AS PER METHOD REFERENCE		
<i>SAMPLE QUANTITY/PACKING</i>	GMF FILTER PAPER (8 X 10 INCH): 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1345	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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-----End of the test report.-----



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<i>Name & Address Of The Customer</i>		REPORT NO.	UES/TR/22-23/09297
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/FE/017B73
		DATE OF SAMPLING	28/03/2023
		DATE OF RECEIPT	28/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 28/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	Furnace Area FAD		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SRL NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	µg/m ³	1328	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

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 31/03/2023 REVIEWED BY	 AUTHORIZED SIGNATORY	For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
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<i>(Name & Address of The Customer)</i>		REPORT NO	UES/TR/22-23/09296
To,		LAB REF NO	UES/22-23/YE/017674
M/s. Godawari Power & Ispat limited		DATE OF SAMPLING	28/03/2023
Plot no.: 428/2, Phase - 1,		DATE OF RECEIPT	28/03/2023
Siltara Industrial Area,		DATE OF REPORT	31/03/2023
Raipur, 493111 (C.G.)		DATE OF ANALYSIS	START: 28/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	Cooling Discharge Area of Kiln No. 1 & 2 of Sponge Iron Division PH-I		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1164	2000	EPA Method 10-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

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 31/03/2023		For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/2023
REVIEWED BY		AUTHORIZED SIGNATORY

-----End of the test report-----



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<i>Name & Address of the Customer</i>		REPORT NO	UES/TR/22-23/09299	
To, M/s. Godawari Power & Ispat Limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/FE/017875	
		DATE OF SAMPLING	28/03/2023	
		DATE OF RECEIPT	28/03/2023	
		DATE OF REPORT	31/03/2023	
		DATE OF ANALYSIS	START: 28/03/2023	END: 31/03/2023
SAMPLE DETAILS				
MONITORING FOR	Fugitive Emission Monitoring			
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022			
SAMPLING LOCATION	Raw Material Feed Area of Sponge Iron Division (PH-I)			
DURATION OF SAMPLING	8 HOURS			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH): IX1 NO.			

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	µg/m ³	1354	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

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 31/03/2023 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



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<i>Name & Address of the Customer</i>		REPORT NO	UES/TR/22-23/09301
To,		LAB REF NO	UES/22-23/FE/017877
M/s. Godawari Power & Ispat limited		DATE OF SAMPLING	28/03/2023
Plot no.: 428/2, Phase - 1,		DATE OF RECEIPT	28/03/2023
Siltara Industrial Area,		DATE OF REPORT	31/03/2023
Raipur, 493111 (C.G.)		DATE OF ANALYSIS	START: 28/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	AFBC 1 Boiler (70 TPH) Area of Power Plant Division		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1242	2000	EPA Method 10-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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 31/03/2023 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS 31/03/23 AUTHORIZED SIGNATORY
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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<i>Name & Address of The Customer</i>		REPORT NO	UES/TR/22-23/09303
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/FE/017879
		DATE OF SAMPLING	28/03/2023
		DATE OF RECEIPT	28/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 28/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	PSE Area of Kiln No.1 & 2 of Sponge Iron Division (PH-1)		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1272	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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-----End of the test report-----



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<i>Name & Address of the Customer</i>		REPORT NO	UES/TR/22-23/09305
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/FE/017001
		DATE OF SAMPLING	29/03/2023
		DATE OF RECEIPT	29/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 29/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	PSB Area of Kiln 03 & 04 of Sponge Iron Division (PH-II)		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1244	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

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Name & Address of the Customer		REPORT NO	UES/TR/22-23/09311
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		LAB REF NO	UES/22-23/FE/017887
		DATE OF SAMPLING	29/03/2023
		DATE OF RECEIPT	29/03/2023
		DATE OF REPORT	31/03/2023
		DATE OF ANALYSIS	START: 29/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	TG Area Of Pellet Plant (1.8 MTPA)		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1296	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

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<i>Name & Address of the Customer</i>		REPORT NO	UES/TR/22-23/09312
To,		LAB REF NO	UES/22-23/FE/017888
M/s. Godawari Power & Ispat limited		DATE OF SAMPLING	29/03/2023
Plot no.: 428/2, Phase - 1,		DATE OF RECEIPT	29/03/2023
Siltara Industrial Area,		DATE OF REPORT	31/03/2023
Raipur, 493111 (C.G.)		DATE OF ANALYSIS	START: 29/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	Coal Gasifier Yard		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1264	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

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<i>Write Address Of The Customer</i>		REPORT NO	UES/TR/22-23/05314
To,		LAB REF NO	UES/22-23/FE/017890
M/s. Godawari Power & Ispat limited		DATE OF SAMPLING	29/03/2023
Plot no.: 428/2, Phase - 1,		DATE OF RECEIPT	29/03/2023
Siltara Industrial Area,		DATE OF REPORT	31/03/2023
Raipur, 493111 (C.G.)		DATE OF ANALYSIS	START: 29/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	Furnace Area of Steel Melting Division		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	µg/m ³	1174	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

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<i>Name & Address of the Customer</i>		REPORT NO	UES/TR/27-23/09316
To,		LAB REF NO	UES/22-23/FE/017892
M/s. Godawari Power & Ispat limited		DATE OF SAMPLING	29/03/2023
Plot no.: 428/2, Phase - 1,		DATE OF RECEIPT	29/03/2023
Siltara Industrial Area,		DATE OF REPORT	31/03/2023
Raipur, 493111 (C.G.)		DATE OF ANALYSIS	START: 29/03/2023 END: 31/03/2023
SAMPLE DETAILS			
MONITORING FOR	Fugitive Emission Monitoring		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	Raw Material Handling Area Of Sponge Iron Division (PH-I)		
DURATION OF SAMPLING	8 HOURS		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	GMF FILTER PAPER (8 X 10 INCH) : 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	MOEF & CC Notification	METHOD REFERENCE
1	Total Suspended Particulate Matter (as SPM)	$\mu\text{g}/\text{m}^3$	1275	2000	EPA Method IO-2.1

Note: All results are on the basis of 8 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

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-----End of the test report-----



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Name & Address of The Customer To, M/s Godawari Power and Ispat Pvt. Ltd. Plot no. 428/2, Phase I, Siltara Industrial Area, Raipur, 493111	Report No.	UES/TR/22-23/09317
	Lab. Ref. No.	UES/22-23/W/017893
	Date of Sampling	27/03/2023
	Date of Receipt	27/03/2023
	Date of Report	31/03/2023
	Date of Analysis	START: 27/03/2023 END: 31/03/2023

SAMPLE DETAILS

Customer Sample ID	ETP Outlet	Customer Ref. No. & Date	2247000291 Dated:25.05.2022
Sample Type	Treated Water of ETP	Sample Condition at Receipt	Ok
Packing of Sample	Jerry Cane (3 ltr.*1) Glass bottle (1 ltr.*1)	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx. 5ltr.

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.6°C	-	IS:3025:(Part-11):1983, RA 2012	5.5 To 9.0	7.44
2	Total Suspended Solid	mg/L	IS:3025:(Part-17):1984, RA 2012	100	38.6
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part-58):2006, RA 2012	250	82.0
4	Bio-chemical Oxygen Demand at 27°C for three day's	mg/L	IS:3025:(Part-44):1993 RA 2015	30	18.2
5	Oil & Grease	mg/L	IS:3025:(Part-39):1986	10	N.D.

Note: mg/lit.: milligram per liter. N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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-----End of the test report-----



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Name & Address Of The Customer		Report No	UES/TR/22-23/09316
To, M/s Godawari Power and Ispat Pvt. Ltd. Plot no. 428/2, Phase I, Siltara Industrial Area, Raipur, 493111		Lab. Ref. No.	UES/22-23/W/017894
		Date of Sampling	27/03/2023
		Date of Receipt	27/03/2023
		Date of Report	31/03/2023
		Date of Analysis	START: 27/02/2023 END: 31/03/2023
		SAMPLE DETAILS	
Customer Sample ID	STP Outlet	Customer Ref. No. & Date	2247000291 Dated:25.05.2022
Sample Type	Treated Water of STP	Sample Condition at Receipt	Ok
Packing of Sample	Jerry Cane (3 ltr.*1) Glass bottle (3 ltr.*1)	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx. 5ltr.

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.6°C	-	IS: 3025: (Part-11): 1993, RA 2012	5.5 To 9.0	7.62
2	Total Suspended Solid	mg/L	IS: 3025: (Part-17): 1984, RA 2012	100	36.8
3	Chemical Oxygen Demand	mg/L	IS: 3025: (Part-58): 2006, RA 2012	250	78.0
4	Bio-chemical Oxygen Demand at 27°C for three day's	mg/L	IS: 3025: (Part-44): 1993 RA 2014	30	16.8
5	Oil & Grease	mg/L	IS: 3025: (Part-39): 1988	10	N.D.

Note: mg/lit.: milligram per liter. N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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-----End of the test report-----



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To, M/s Godawari Power and Ispat Pvt. Ltd. Plot no. 428/2, Phase I, Siltara Industrial Area, Raipur, 493111		REPORT NO.	UES/TR/22-23/09576
		LAB REF NO.	UES/22-23/N/018392-018397
		DATE OF REPORT	27/02/2023
		DATE OF SAMPLING	23/02/2023 to 24/02/2023
SAMPLE DETAILS			
MONITORING FOR	NOISE LEVEL MONITORING		
CUSTOMER REF. NO. & DATE	2247000291 DATED: 25.05.2022		
SAMPLING LOCATION	AS DESCRIBED BELOW		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	IS 9889:1991:RA 2001		

TEST REPORT

LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
Industrial Area					
GUEST HOUSE (EAST)	dB(A)	59.4	47.2	75	70
SILTARA BOUNDARY (WEST)	dB(A)	56.8	47.8		
TANDA BOUNDARY (NORTH)	dB(A)	55.2	44.4		
BRICK UNIT (SOUTH)	dB(A)	61.8	49.7		
SILTARA VILLAGE	dB(A)	54.6	43.2		
TANDA VILLAGE	dB(A)	53.7	42.9		

REMARKS: RESULTS ARE AS ABOVE

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To, M/s Godawari Power and Ispat Pvt. Ltd. Plot no. 428/2, Phase I, Siltara Industrial Area, Raipur, 493111	REPORT NO.	UES/TR/22-23/09577
	LAB REF NO.	UES/22-23/N/018398-018409
	DATE OF REPORT	27/02/2023
	DATE OF MONITORING	23/02/2023 to 24/02/2023
SAMPLE DETAILS		
Monitoring For	Workplace Noise Level Monitoring	
Customer Ref. No.	2247000291 Dated:25.05.2022	
Sampling Location	As Described below	
Sample Collected by	Laboratory Chemist	
Sampling Procedure	Manufacturer's Instruction	

TEST REPORT

LOCATIONS	UNIT	RESULT dB(A)
Wire Drawing area	dB(A)	72
Automobile area	dB(A)	66
TG Area of Power Plant ph I	dB(A)	67
TG Area of Power Plant ph II	dB(A)	65
Pellet Plant TG area	dB(A)	62
RMHS area of SID	dB(A)	60
Pellet Plant Ball Mill Area	dB(A)	61
SMS Furnace Area	dB(A)	64
Slag Crushing Unit	dB(A)	68
Rough mill area of Rolling Mill	dB(A)	59
Oxygen Plant	dB(A)	58
Coal Gasifier area	dB(A)	57

REMARKS: RESULTS ARE AS ABOVE

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-----Ends of the test report-----



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Name & Address of the Customer		Report No	UES/TR/22-23/09580	
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		Lab Ref No	UES/22-23/W/018408	
		Date of Sampling	23/02/2023	
		Date of Receipt	24/02/2023	
		Date of Report	28/02/2023	
		Date of analysis	Start: 24/02/2023	END: 28/02/2023
		SAMPLE DETAILS		
Customer Sample Id /Sampling Location	NEAR OFFICE (1.6 MTPA PELLETT PLANT)			
Customer Ref. No. & Date	2147000295 Dated: 16.06.2021			
Sample Type	Borewell Water			
Packing of Sample	Plastic Bottle (5ltr.) Glass Bottle (350 ml)			
Sample Collected By	Laboratory Chemist			
Sample Condition At Receipt	Ok			

REPORT NO. 09580

TEST REPORT						
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
A. Organoleptic & Physical Parameters						
1	Colour	Eazen	IS:3025: (Part-4)	5	15	<1
2	Odour	-	IS:3025 (part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.28
4	Taste	-	IS:3025 (part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS:3025: (Part-19)	1	5	0.98
6	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	425
B. General Parameters Concerning Substances undesirable in excessive amounts						
1	Aluminium (as Al)	mg/L	IS:3025 (part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS:3025 (part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025: (Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	65.9
7	Chloramines (as Cl ₂)	mg/L	IS 3025: (Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	152.9
9	Copper (as Cu)	mg/L	IS 3025 (part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025 (part-60)	1	1.5	0.19
11	Free Residual Chlorine	mg/L	IS 3025: (Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025 (part-53)	0.3	No Relaxation	0.21
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	9.13
14	Manganese (as Mn)	mg/L	IS 3025 (part-59)	0.1	0.3	N.D.

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REPORT NO. 09586

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025(part-34)	45	No Relaxation	16.8
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025(part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025(part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025:(Part-24)	200	400	89.8
21	Sulphide (as H ₂ S)	mg/L	IS 3025:(Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025:(Part-23)	200	600	198
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025:(Part-21)	200	600	202
24	Zinc (as Zn)	mg/L	IS 3025(part-49)	5	15	N.D.
C. Parameters concerning toxic substances:-						
1	Cadmium (as Cd)	mg/L	IS 3025(part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025(part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025(part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025(part-46)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025(part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025(part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025(part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025(part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:					
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
D. Radioactive Materials						
1	Alpha emitters	Bq/l	Part 2	0.1	No relaxation	N.D.
2	Beta emitters	Bq/l	Part 1	1.0	No relaxation	N.D.
E. Pesticides:-						
1	Alpha HCH	ug/l	USEPA 508	0.01		N.D.
2	Beta HCH	ug/l	USEPA 508	0.04		N.D.
3	Delta HCH	ug/l	USEPA 508	0.04		N.D.



HDD-272, Phase III - Near JP Chowk
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REPORT NO. 09580

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
4	Alachlor	µg/l	USEPA 525.2, 507	20		N.D.
5	Aldrin / Dieldrin	µg/l	USEPA 506	0.03		N.D.
6	Atrazine	µg/l	USEPA 525.2, 8141 A	2		N.D.
7	Butachlor	µg/l	USEPA 525.2, 8141 A	125		N.D.
8	Chlorpyrifos	µg/l	USEPA 525.2, 8141 A	30		N.D.
9	DDT (o,p and p, p- Isomers of DDT, DDE and DDD)	µg/l	USEPA 508	1		N.D.
10	Gama HCH	µg/l	USEPA 508	2		N.D.
11	2,4-Dichlorophenoxyacetic Acid	µg/l	USEPA 515.1	30		N.D.
12	Endosulphan (alpha, beta and sulphate)	µg/l	USEPA 508	0.4		N.D.
13	Ethion	µg/l	USEPA 1657 A	3		N.D.
14	Isoproturon	µg/l	USEPA 532	9		N.D.
15	Malathion	µg/l	USEPA 8141 A	190		N.D.
16	Methyl Parathion	µg/l	USEPA 8141 A	0.3		N.D.
17	Monocrotophos	µg/l	USEPA 8141 A	1		N.D.
18	Phorate	µg/l	USEPA 8141 A	2		N.D.
F. Microbial Parameters						
1	Total Coliform	MPN/100ml	IS:1622:1981:RA:2 019	Shall not be detectable in any 100 ml Sample		Absent
2	E. Coli	MPN/100ml	IS:1622:1981:RA:2 019			Absent

Note: µg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The use of the report for publication, certification or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

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-----End of the test report-----



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Report No		UES/TR/22-23/09578	
Lab Ref No		UES/22-23/W/018406	
Date of Sampling		23/02/2023	
Date of Receipt		24/02/2023	
Date of Report		28/02/2023	
Date of analysis		Start: 24/02/2023	End : 28/02/2023
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)			
SAMPLE DETAILS			
Customer Sample Id /Sampling Location	NEAR LAB (1.6 MTPA PELLET PLANT)		
Customer Ref. No. & Date	2147000295 Dated: 16.06.2021		
Sample Type	Borewell Water		
Packing of Sample	Plastic Bottle (5ltr.) Glass Bottle (350 ml)		
Sample Collected By	Laboratory Chemist		
Sample Condition At Receipt	Ok		

REPORT NO. 09878

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
A. Organoleptic & Physical Parameters						
1	Colour	Hazen	IS:3025:(Part-4)	5	15	<1
2	Odour	-	IS:3025(part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025:(Part-11)	6.5-8.5	No Relaxation	7.16
4	Taste	-	IS:3025(part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS:3025:(Part-10)	1	5	1.2
6	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500	2000	498
B. General Parameters Concerning Substances undesirable in excessive amounts						
1	Aluminium (as Al)	mg/L	IS:3025(part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS:3025(part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025:(Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025:(Part-40)	75	200	73.2
7	Chloramines (as Cl ₂)	mg/L	IS 3025:(Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025:(Part-32)	250	1000	246.9
9	Copper (as Cu)	mg/L	IS 3025(part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025(part-60)	1	1.5	0.20
11	Free Residual Chlorine	mg/L	IS 3025:(Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025(part-53)	0.3	No Relaxation	0.28
13	Magnesium (as Mg)	mg/L	IS 3025:(Part-46)	30	100	3.25
14	Manganese (as Mn)	mg/L	IS 3025(part-59)	0.1	0.3	N.D.

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



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REPORT NO. 09578

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	7.83
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025 (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	170.6
21	Sulphide (as H ₂ S)	mg/L	IS 3025: (Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	192
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	196
24	Zinc (as Zn)	mg/L	IS 3025 (part-49)	5	15	N.D.
C.	Parameters concerning toxic substances: -					
1	Cadmium (as Cd)	mg/L	IS 3025 (part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025 (part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025 (part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025 (part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025 (part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025 (part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025 (part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025 (part-52)	0.05	No Relaxation	N.D.
11	Trihalomethanes:					
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
D.	Radioactive Materials					
1	Alpha emitters	Bq/l	Part 2	0.1	No relaxation	N.D.
2	Beta emitters	Bq/l	Part 1	1.0	No relaxation	N.D.
E.	Pesticides:-					
1	Alpha HCH	µg/l	USEPA 508		0.01	N.D.
2	Beta HCH	µg/l	USEPA 508		0.04	N.D.
3	Delta HCH	µg/l	USEPA 508		0.04	N.D.



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REPORT NO. 09578

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
4	Alachlor	µg/l	USEPA 525.2, 507	20		N.D.
5	Aldrin / Dieldrin	µg/l	USEPA 508	0.03		N.D.
6	Atrazine	µg/l	USEPA 525.2, 8141 A	2		N.D.
7	Butachlor	µg/l	USEPA 525.2, 8141 A	125		N.D.
8	Chlorpyrifos	µg/l	USEPA 525.2, 8141 A	30		N.D.
9	DDT (o,p and p, p- Isomers of DDT, DDE and DDD)	µg/l	USEPA 508	1		N.D.
10	Gamma HCH	µg/l	USEPA 508	2		N.D.
11	2,4-Dichlorophenoxyacetic Acid	µg/l	USEPA 515.1	30		N.D.
12	Endosulphan (alpha, beta and sulphate)	µg/l	USEPA 508	0.4		N.D.
13	Ethion	µg/l	USEPA 1657 A	3		N.D.
14	Isoproturon	µg/l	USEPA 532	9		N.D.
15	Malathion	µg/l	USEPA 8141 A	190		N.D.
16	Methyl Parathion	µg/l	USEPA 8143 A	0.3		N.D.
17	Monocrotophos	µg/l	USEPA 8143 A	1		N.D.
18	Phorate	µg/l	USEPA 8141 A	2		N.D.
F. Microbial Parameters						
1	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	Shall not be detectable in any 100 ml Sample		Absent
2	E. Coli	MPN/100ml	IS:1622:1981:RA:2019			Absent

Note: mg/Lt.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The use of the report for publication, arbitration or as legal evidence is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above tests only.

 P. S. Chauhan 25/02/2023 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
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-----End of the test report-----



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Name & Address of the Customer		Report No	UES/TR/22-23/09579
To, M/s. Godawari Power & Ispat limited Plot no.: 428/2, Phase - 1, Siltara Industrial Area, Raipur, 493111 (C.G.)		Lab Ref No	UES/22-23/W/018407
		Date of Sampling	23/02/2023
		Date of Receipt	24/02/2023
		Date of Report	28/02/2023
		Date of analysis	Start: 24/02/2023 END: 28/02/2023
SAMPLE DETAILS			
Customer Sample Id /Sampling Location	NEAR COOLING TOWER (PELLET PLANT 0.8 MTPA)		
Customer Ref. No. & Date	2147000295 Dated: 16.06.2021		
Sample Type	Borewell Water		
Packing of Sample	Plastic Bottle (5ltr.) Glass Bottle (350 ml)		
Sample Collected By	Laboratory Chemist		
Sample Condition At Receipt	Ok		

REPORT NO. 09579

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
A. Organoleptic & Physical Parameters						
1	Colour	Hazen	IS:3025: (Part-4)	5	15	<1
2	Odour	-	IS:3025 (part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.16
4	Taste	-	IS:3025 (part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS:3025: (Part-10)	1	5	1.1
6	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	456
B. General Parameters Concerning Substances undesirable in excessive amounts						
1	Aluminium (as Al)	mg/L	IS:3025 (part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS:3025 (part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025: (Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	70.20
7	Chloramines (as Cl ₂)	mg/L	IS 3025: (Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	206.9
9	Copper (as Cu)	mg/L	IS 3025 (part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025 (part-60)	1	1.5	0.21
11	Free Residual Chlorine	mg/L	IS 3025: (Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025 (part-53)	0.3	No Relaxation	0.15
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	4.10
14	Manganese (as Mn)	mg/L	IS 3025 (part-59)	0.1	0.3	N.D.

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REPORT NO. 09578

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	18.2
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025 (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025: (Part-24)	200	400	140.4
21	Sulphide (as H ₂ S)	mg/L	IS 3025: (Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025: (Part-23)	200	600	190
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025: (Part-21)	200	600	192
24	Zinc (as Zn)	mg/L	IS 3025 (part-49)	5	15	N.D.
C. Parameters concerning toxic substances: -						
1	Cadmium (as Cd)	mg/L	IS 3025 (part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025 (part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025 (part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025 (part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025 (part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025 (part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025 (part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025 (part-52)	0.05	No Relaxation	N.D.
11 Trihalomethanes:						
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
D. Radioactive Materials						
1	Alpha emitters	Bq/l	Part 2	0.1	No relaxation	N.D.
2	Beta emitters	Bq/l	Part 1	1.0	No relaxation	N.D.
E. Pesticides:-						
1	Alpha HCH	ug/l	USEPA 508	0.01		N.D.
2	Beta HCH	ug/l	USEPA 508	0.04		N.D.
3	Delta HCH	ug/l	USEPA 508	0.04		N.D.



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REPORT NO. 09579

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
4	Alachlor	µg/l	USEPA 525.2, 507	20		N.D.
5	Aldrin / Dieldrin	µg/l	USEPA 508	0.03		N.D.
6	Atrazine	µg/l	USEPA 525.2, 8141 A	2		N.D.
7	Butachlor	µg/l	USEPA 525.2, 8141 A	125		N.D.
8	Chlorpyrifos	µg/l	USEPA 525.2, 8141 A	30		N.D.
9	DDT (o,p and p, p- Isomers of DDT, DDE and DDD)	µg/l	USEPA 506	1		N.D.
10	Gamma HCH	µg/l	USEPA 508	2		N.D.
11	2,4-Dichlorophenoxyacetic Acid	µg/l	USEPA 515.1	30		N.D.
12	Endosulphan (alpha, beta and sulphate)	µg/l	USEPA 508	0.4		N.D.
13	Ethion	µg/l	USEPA 1657 A	3		N.D.
14	Isoproturon	µg/l	USEPA 532	9		N.D.
15	Malathion	µg/l	USEPA 8141 A	190		N.D.
16	Methyl Parathion	µg/l	USEPA 8141 A	0.3		N.D.
17	Monocrotophos	µg/l	USEPA 8141 A	1		N.D.
18	Phorate	µg/l	USEPA 8141 A	2		N.D.
F. Microbial Parameters						
1	Total Coliform	MPN/100ml	IS:1622:1981:RA:2 019	Shell not be detectable in any 100 ml Sample		Absent
2	E. Coli	MPN/100ml	IS:1622:1981:RA:2 019			Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The use of the report for publication, advertisement or in legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

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-----End of the test report-----



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<i>Name & Address Of The Client</i>		Report No	UES/TR/22-23/09581
To,		Lab Ref No	UES/22-23/W/018409
M/s. Godawari Power & Ispat limited		Date of Sampling	23/02/2023
Plot no.: 428/2, Phase - 1,		Date of Receipt	24/02/2023
Siltara Industrial Area,		Date of Report	28/02/2023
Raipur, 493111 (C.G.)		Date of analysis	Start: 24/02/2023 End: 28/02/2023
SAMPLE DETAILS			
Customer Sample Id /Sampling Location	NEAR PROJECT (SMS)		
Customer Ref. No. & Date	2147000295 Dated: 16.06.2021		
Sample Type	Borewell Water		
Packing of Sample	Plastic Bottle (5ltr.) Glass Bottle (350 ml)		
Sample Collected By	Laboratory Chemist		
Sample Condition At Receipt	Ok		

REPORT NO. 09581

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
A. Organoleptic & Physical Parameters						
1	Colour	Hazen	IS:3025: (Part-4)	5	15	<1
2	Odour	-	IS:3025 (part-5)	Agreeable	Agreeable	Agreeable
3	pH Value at 24.7°C	-	IS:3025: (Part-11)	6.5-8.5	No Relaxation	7.50
4	Taste	-	IS:3025 (part-8)	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	IS:3025: (Part-10)	1	5	1.4
6	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	500	2000	469
B. General Parameters Concerning Substances undesirable in excessive amounts						
1	Aluminium (as Al)	mg/L	IS:3025 (part-55)	0.03	0.2	N.D.
2	Ammonia (as total ammonia-N)	mg/L	IS:3025 (part-34)	0.5	No Relaxation	N.D.
3	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	0.2	1.0	N.D.
4	Barium (as Ba)	mg/L	Annex F of IS:13428	0.7	No Relaxation	N.D.
5	Boron (as B)	mg/L	IS 3025: (Part-57)	0.5	1.0	N.D.
6	Calcium (as Ca)	mg/L	IS 3025: (Part-40)	75	200	72.0
7	Chloramines (as Cl ₂)	mg/L	IS 3025: (Part-26)	4.0	No Relaxation	N.D.
8	Chloride (as Cl)	mg/L	IS 3025: (Part-32)	250	1000	247.9
9	Copper (as Cu)	mg/L	IS 3025 (part-42)	0.05	1.5	N.D.
10	Fluoride (as F)	mg/L	IS 3025 (part-60)	1	1.5	0.24
11	Free Residual Chlorine	mg/L	IS 3025: (Part-26)	0.2	1	N.D.
12	Iron (as Fe)	mg/L	IS 3025 (part-53)	0.3	No Relaxation	0.15
13	Magnesium (as Mg)	mg/L	IS 3025: (Part-46)	30	100	3.98
14	Manganese (as Mn)	mg/L	IS 3025 (part-59)	0.1	0.3	N.D.

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviron@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

REPORT NO. 09581

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
15	Mineral Oil	mg/L	Clause 6 of IS 3025 (Part-39) Infrared partition method	0.5	No Relaxation	N.D.
16	Nitrate (as NO ₃)	mg/L	IS 3025 (part-34)	45	No Relaxation	4.0
17	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS 3025 (part-43)	0.001	0.002	N.D.
18	Selenium (as Se)	mg/L	IS 3025 (part-56)	0.01	No Relaxation	N.D.
19	Silver (as Ag)	mg/L	Annex J of IS 13428	0.1	No Relaxation	N.D.
20	Sulphate (as SO ₄)	mg/L	IS 3025 (Part-24)	200	400	94.8
21	Sulphide (as H ₂ S)	mg/L	IS 3025 (Part-29)	0.05	No Relaxation	N.D.
22	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025 (Part-23)	200	600	198
23	Total Hardness (as CaCO ₃)	mg/L	IS 3025 (Part-21)	200	600	196
24	Zinc (as Zn)	mg/L	IS 3025 (part-49)	5	15	0.72
C. Parameters concerning toxic substances: -						
1	Cadmium (as Cd)	mg/L	IS 3025 (part-41)	0.003	No Relaxation	N.D.
2	Cyanide (as CN)	mg/L	IS 3025 (part-27)	0.05	No Relaxation	N.D.
3	Lead (as Pb)	mg/L	IS 3025 (part-47)	0.01	No Relaxation	N.D.
4	Mercury (as Hg)	mg/L	IS 3025 (part-48)	0.001	No Relaxation	N.D.
5	Molybdenum (as Mo)	mg/L	IS 3025 (part-2)	0.07	No Relaxation	N.D.
6	Nickel (as Ni)	mg/L	IS 3025 (part-54)	0.02	No Relaxation	N.D.
7	Polychlorinated biphenyls	mg/L	ASTM 5175	0.0005	No Relaxation	N.D.
8	Polynuclear aromatic hydrocarbons (as PAH)	mg/L	APHA 6440	0.0001	No Relaxation	N.D.
9	Arsenic (as As)	mg/L	IS 3025 (part-37)	0.01	0.05	N.D.
10	Chromium (as Cr)	mg/L	IS 3025 (part-52)	0.05	No Relaxation	N.D.
11. Trihalomethanes:						
a)	Bromoform	mg/L	APHA 6232	0.1	No Relaxation	N.D.
b)	Dibromochloromethane	mg/L	APHA 6232	0.1	No Relaxation	N.D.
c)	Bromodichloromethane	mg/L	APHA 6232	0.06	No Relaxation	N.D.
d)	Chloroform	mg/L	APHA 6232	0.2	No Relaxation	N.D.
D. Radioactive Materials						
1	Alpha emitters	Bq/l	Part 2	0.1	No relaxation	N.D.
2	Beta emitters	Bq/l	Part 1	1.0	No relaxation	N.D.
E. Pesticides:-						
1	Alpha HCH	µg/l	USEPA 508	0.01		N.D.
2	Beta HCH	µg/l	USEPA 508	0.04		N.D.
3	Delta HCH	µg/l	USEPA 508	0.04		N.D.



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

REPORT NO. 09581

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT
				Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
4	Alachlor	µg/l	USEPA 525.2, 507	20		N.D.
5	Aldrin / Dieldrin	µg/l	USEPA 508	0.03		N.D.
6	Atrazine	µg/l	USEPA 525.2, 8141 A	2		N.D.
7	Butachlor	µg/l	USEPA 525.2, 8141 A	125		N.D.
8	Chlorpyrifos	µg/l	USEPA 525.2, 8141 A	30		N.D.
9	DDT (o,p and p, p- Isomers of DDT, DDE and DDD)	µg/l	USEPA 508	1		N.D.
10	Gamma HCH	µg/l	USEPA 508	2		N.D.
11	2,4-Dichlorophenoxyacetic Acid	µg/l	USEPA 515.1	30		N.D.
12	Endosulphan (alpha, beta and sulphate)	µg/l	USEPA 508	0.4		N.D.
13	Ethion	µg/l	USEPA 1657 A	3		N.D.
14	Isoproturon	µg/l	USEPA 532	9		N.D.
15	Malathion	µg/l	USEPA 8141 A	190		N.D.
16	Methyl Parathion	µg/l	USEPA 8141 A	0.3		N.D.
17	Monocrotophos	µg/l	USEPA 8141 A	1		N.D.
18	Phorate	µg/l	USEPA 8141 A	2		N.D.
F. Microbial Parameters						
1	Total Coliform	MPN/100ml	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml Sample		Absent
2	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019			Absent

Note: mg/Lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

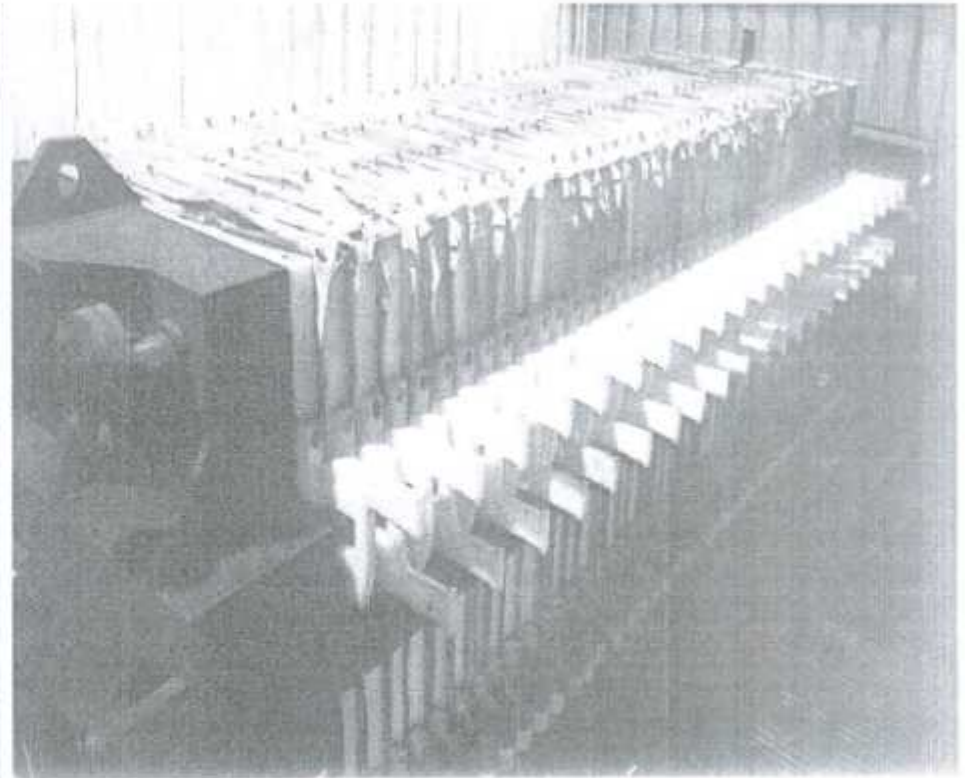
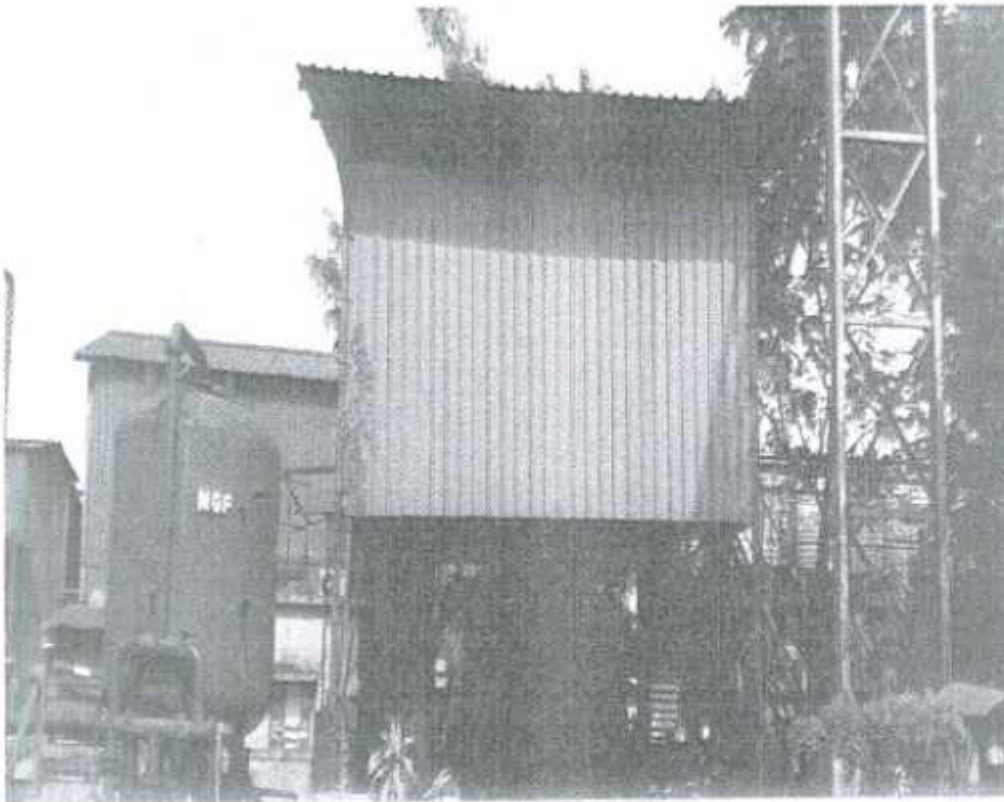
- > The use of the report for publication, circulation or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of report unless otherwise agreed with customer.
- > This is for information of the party not asked for above test(s) only.

 28/02/2023 REVIEWED BY		For ULTIMATE ENVIRONMENTAL SOLUTIONS AUTHORIZED SIGNATORY
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-----End of the test report-----



FILTER PRESS INSTALLED FOR DRY DISPOSAL OF SLUDGE



Sanjay



COMPLR/P264

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No-428/2, Phase- 1, Siltara Industrial Area, Raipur - 493111 (C.G)

PURCHASE ORDER**SHIPMENT ADDRESS**

GODAWARI POWER & ISPAT LTD
 PLOT NO : 428 / 2 , PHASE 1 , INDUSTRIAL AREA ,
 SILTARA, 493111 , RAIPUR - (C. G.) ,
 PH No : 07714082333 / FAX : 07714082234
 PLACE OF SUPPLY : CHHATTISGARH(22)

PO Number : 2042007839
 PO Date : 06.03.2021
 Amended Date : 06.03.2021
 GST NO : 22AAACI7189K12B
 PAN NO : AAACI7189K
 CIN NO : L27106CT1999PLC013756

VENDOR ADDRESS

MARUTI FILTER INDUSTRIES
 13-14 & 6-7 NK industrial park
 Ahmedabad - 382430

GST NO. : 24BSAPP3944B1Z3
 PAN NO : BSAPP3944B
 Cont. Person : Mr K.R. Pandey
 E-Mail : marutifilters1314@gmail.com

Vendor reference code : 24004424

Contact No : 9826293099

Please supply the following items strictly confirming the details mentioned here under and as per terms & conditions given below & overleaf.

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amount
10	Filter Press Machine Used: For ETP; Used on/Application: For ETP Process; Item Description: F ilter Press Machine; Polypropylene recessed plate type high pressure filter press Size: 915X915mm 36chambers (6 bar)with SS316 feeding pump & 10hp motor. Consisting Features:- Polypropylene Recessed plate 37nos(35+2), PBC hydraulic closing device, Cake thickness: 30mm, MS heavy duty MS fabricated structure, Nozzle; PP/SS316 & Filter cloth.	1.000	EA	20.04.2021	765,000.00	18	84211990	0.00	765,000.00
Total									765,000.00
IGST									137,700.00
Net PO Amt									902,700.00

Amount In Words : NINE LAKH TWO THOUSAND SEVEN HUNDRED Rupees Only

Payment Terms : 40% ADV & 60% AGT PI.

Terms Of Payment

IncoTerms : FOR Ahmedabad

Terms Of Delivery

LD Clause : LD will be deducted @ 0.5 % per week from delivery date (subject to maximum 5 %) .

OtherTerms : All Materials supply should accompany Test Certificate mandatorily .

Reference Offer no: MFI:236/20-21 dt. 11.02.2021

Remarks 1. GUARANTEE / WARRANTY:- 18 months from the date of despatch & 12 months from the date of installation whichever is earlier against Mechanical functioning & workmanship. 5 Year warranty.

Prepared By

Verified By

() Authorized Signatory

TERMS AND CONDITIONS

PO Number : 2042667835

PO Date : 05.03.2021

1. CANCELLATION OF ORDER: The Company reserves the right to cancel this Order in full / part / quantity in case deliveries do not materialize as per schedule given in this order or any amendment thereto subsequently not withstanding the liquidated damages clause incorporated in the Order
2. RISK PURCHASE: If you fail to execute the Order to our satisfaction and within the delivery period indicated in the supply order or any amendment thereto of subsequently issued, without valid and acceptable reasons, this company shall arrange procurement of undelivered items at your risk and cost and such undelivered items shall automatically be treated as cancelled from the purchase Order placed on you.
3. INSPECTION: The material shall be subject to inspection at firm's place/at consignee's place before dispatch/on receipt at consignee's place. The rejected materials will be subject to replacement/ removal by you at your risk, cost and responsibility. In case of outstation firm, unaccepted goods shall be returned freight to pay after dues, if any, like freight, Octroi etc. paid by the Company are to be refunded by you.
4. WARRANTY: Goods / articles to be supplied under this purchase order shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and particulars mentioned in the purchase order. Further, these shall be covered under the warranty that goods / articles under this order would continue to conform to the specifications and quality mentioned in the supply order/your Quotation, not withstanding the fact that the Company inspector may have initially inspected or approved the goods on receipt. If during the period of warranty of the goods are found to be not conforming to the specifications/ quality mentioned in the supply order or found to have deteriorated prematurely it shall be binding on the supplier to replace the goods immediately and within a period of the month of receipt of intimation from the Company or refund the total cost of the goods including Octroi, freight charges etc. to the Company at our discretion.
5. PERFORMANCE GUARANTEE: All goods / articles under this order shall be subject to a guarantee for satisfactory performance for a period of One year from the date of satisfactory receipt and in case any manufacturing defect is noticed during this guarantee period the goods/ articles shall be subject to free rectification/ replacement within a period of one month.
6. REJECTION CLAUSE: Any item rejected due to deviation in specification or material defect/ dimensional defect or due to any major deviation on the Purchase Order terms, GPIL has the sole authority to decide in the matter. After getting intimation of the rejection note on any supply, the supplier should immediately arrange lifting of the item free of cost and if the item is not lifted from GPIL plant premises within a maximum of three months (90 days), GPIL has the right to dispose-off the item at supplier's risk and cost.
7. DELIVERY INSTRUCTION: The goods should be securely packed and dispatched / delivered to the consignee alongwith challans in triplicate by Train / Truck / Any other mode mutually decided. The goods should reach in properly packed condition and any damage during transit shall be at supplier's risk unless insurance in transit is borne by buyer specifically mentioned.
8. DISPUTE: The court of the place from where this purchase order has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of this purchase order.
9. ARBITRATION: Both the parties shall try to resolve their differences or disputes pertaining to this purchase in an amicable manner, failing which the difference or dispute may be referred to an Arbitrator as per procedure laid down under the Arbitration and Conciliation Act 1996.
10. The outcome of Arbitration shall be final and binding upon both parties. The venue of Arbitration shall be at Raipur (Chhattisgarh), India. Receipt of the Purchase Order may kindly be acknowledged.
11. The Supplier shall take all reasonable measures to ensure that all necessary tests and examinations have been made or will be made prior to delivery of the Goods to ensure that the Goods are designed and constructed so as to be safe and without risk to the health or safety of persons using the Goods. The Supplier shall make available to the Purchaser adequate information about the use for which the Goods have been designed and tested and about any conditions necessary to ensure that when put to use the Goods will be safe and without risk to health. The Supplier shall indemnify the Purchaser against all claims, proceedings, actions, damages, costs, expenses and any other liability or loss incurred by the Purchaser as a result of any breach of this Condition.
12. The Supplier shall take all measures necessary to comply with the requirements of the Health, Safety and Environment at Work and any other Acts, orders, regulations and Codes of Practice relating to health, safety and environment which may apply to the Supplier in the performance of the Purchase Order [as per HIRAO of OHSMS 45001: 2018].



COMPUTER

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
Plot No-428/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G)

PURCHASE ORDER

PO Number : 2042007835
PO Date : 05.03.2021
Amended Date : 05.05.2021

2. INSTALLATION: To be done by M/s Manu Filter's Engineer. Erection & Commissioning charges extra. TO / Fro and Lodging / boarding to be arranged by GPIL.

SPECIAL TERMS & CONDITIONS

1. All Cheques with supplies should bear our order reference, full description of items, item code.
 2. Rejection on account of quality, specification, delivery will be on your A/c.
 3. Rejected materials must be collected from our works immediately on receipt of Rejection Advice / Mail, otherwise handling charges will be debited to your account.
 4. TRANSIT INSURANCE : To be covered by us. Please inform dispatch particulars by mail immediately.
 5. The supplier is expected to scrutinize the Purchase order immediately on receipt thereof and inform us in case of any discrepancy.
 6. No objection regarding errors & omission, if any, shall not be entertained after the expiry of 10 days from date of the receipt of order.
 7. Bank commission on account of E-Payments, if any will be on your account.
 8. Note: Material Safety Data Sheet (MSDS) required along with supply.
-

This is system generated purchase order, hence not signed.

: Please Address/deliver all the commercial documents such as Invoice / Challan / Report / Certificate to our main stores only. Under no circumstances, the commercial documents should be handed over to our plant staff.
You can also email the copy of invoice to :- receipt.stores@gpil.in

Prepared By

Verified By

Authorized Signatory

TERMS AND CONDITIONS

PO Number : 7042007635
 PO Date : 06/03/2021

1. CANCELLATION OF ORDER: The Company reserves the right to cancel this Order in full / part quantity in case deliveries do not materialize as per schedule given in this order or any amendment there to subsequently not withstanding the liquidated damages clause incorporated in the Order.
2. RISK PURCHASE: If you fail to execute the Order to our satisfaction and within the delivery period indicated in the supply order or any amendment there of subsequently issued, without valid and acceptable reasons, this company shall arrange procurement of undelivered items at your risk and cost and such undelivered items shall automatically be treated as cancelled from the purchase Order placed on you.
3. INSPECTION: The material shall be subject to inspection at firm's place/ consignee's place before dispatch/receipt at consignee's place. The rejected materials will be subject to replacement/ removal by you at your risk, cost and responsibility. In case of outstation firm, unaccepted goods shall be returned freight to pay after dues, if any, like freight, Octroi etc. paid by the Company are to be refunded by you.
4. WARRANTY: Goods / articles to be supplied under this purchase order shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and particulars mentioned in the purchase order. Further, these shall be covered under the warranty that goods / articles under this order would continue to conform to the specifications and quality mentioned in the supply order/your Quotation, not withstanding the fact that the Company inspector may have initially inspected or approved the goods on receipt. If during the period of warranty of the goods are found to be not conforming to the specifications/ quality mentioned in the supply order or found to have deteriorated prematurely it shall be binding on the supplier to replace the goods immediately and within a period of the month of receipt of intimation from the Company or refund the total cost of the goods including Octroi, freight charges etc. to the Company at our discretion.
5. PERFORMANCE GUARANTEE: All goods / articles under this order shall be subject to a guarantee for satisfactory performance for a period of One year from the date of satisfactory receipt and in case any manufacturing defect is noticed during this guarantee period the goods/ articles shall be subject to free rectification/ replacement within a period of one month.
6. REJECTION CLAUSE: Any item rejected due to deviation in specification or material defect/ dimensional defect or due to any major deviation on the Purchase Order terms, GPIL has the sole authority to decide in the matter. After getting intimation of the rejection note on any supply, the supplier should immediately arrange lifting of the item free of cost and if the item is not lifted from GPIL plant premises within a maximum of three months (90 days), GPIL, has the right to dispose-off the item at supplier's risk and cost.
7. DELIVERY INSTRUCTION: The goods should be securely packed and dispatched / delivered to the consignee alongwith challans in triplicate by Train / Truck / Any other mode mutually decided. The goods should reach in properly packed condition and any damage during transit shall be at supplier's risk unless insurance in transit is bore by buyer specifically mentioned.
8. DISPUTE: The court of the place from where this purchase order has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of this purchase order.
9. ARBITRATION: Both the parties shall try to resolve their differences or disputes pertaining to this purchase in an amicable manner, failing which the difference or dispute may be referred to an Arbitrator as per procedure laid down under the Arbitration and Conciliation Act 1996.
10. The outcome of Arbitration shall be final and binding upon both parties. The venue of Arbitration shall be at Raipur (Chhattisgarh), India. Receipt of the Purchase Order may kindly be acknowledged.
11. The Supplier shall take all reasonable measures to ensure that all necessary tests and examinations have been made or will be made prior to delivery of the Goods to ensure that the Goods are designed and constructed so as to be safe and without risk to the health or safety of persons using the Goods. The Supplier shall make available to the Purchaser adequate information about the use for which the Goods have been designed and tested and about any conditions necessary to ensure that when put to use the Goods will be safe and without risk to health. The Supplier shall indemnify the Purchaser against all claims, proceedings, actions, damages, costs, expenses and any other liability or loss incurred by the Purchaser as a result of any breach of this Condition.
12. The Supplier shall take all measures necessary to comply with the requirements of the Health, Safety and Environment at Work and any other Acts, orders, regulations and Codes of Practice relating to health, safety and environment which may apply to the Supplier in the performance of the Purchase Order [as per HIARD of OHSMS 45001: 2018].

Received and Accepted the P.O.

Signature :-

Name :-

Dated :-



COMPURF04

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
 Plot No - 428/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

SERVICE PURCHASE ORDER

SHIPMENT ADDRESS

GODAWARI POWER & ISPAT LTD.
 MAIN STORES
 PLOT NO - 428 / 2, SILTARA-PHASE1, INDUSTRIAL AREA
 RAIPUR-493111
 PH No: 07714082333 / FAX : 07714082234
 PLACE OF SUPPLY : CHHATISGARH (22)

PO Number : 2147000339
 PO Date : 26.06.2021
 Amended Date : 26.06.2021
 GST NO : 22AAACI7189K1ZB
 PAN NO : AAACI7189K
 CIN NO : L27106CT1999PLC013756

VENDOR ADDRESS

Hi Tech RO System
 C-87, TAKSH AANGAN,
 Vadodra-390019

GST NO. : 24DOLPS1707J1ZR
 PAN NO : BCLPS1707J
 Cont. Person : Mr PRAMOD SONI
 E-Mail : hitechro.bhila@gmail.com

Vendor reference code : Z9101582
 Contact No : 9727358123

Please do the following job work/service confirming details here under and as per terms & conditions given below & overle

SrNo	Description	Qty.	UOM	Delivery Date	Rate	IGST (%)	HSN	Disc	Amou
10	supply,inst of lamella & CD sys for ETP	1,000	AU	30.06.2021	2,050,000.00	18	996717	0.00	2,050,000
(10)	supply,inst of lamella & cd sys for etp	1,000	EA		2,050,000.00	18			2,050,000
Total									2,050,000
IGST									369,000
Net PO Amt									2,419,000.

Amount In Words : TWENTY FOUR LAKH NINETEEN THOUSAND & Only

Payment Terms : Please Refer As per Purchase Order

Tax code : G4 GST-18%

Terms of Payment : 40% advance along with order, balance 40% against PI & balance 20% against installation & commissioning.

IncoTerms : EXW Ex Works

LD Clause : LD will be deducted @ 0.5 % per week from delivery date (subject to maximum 5 %).

TDS : TDS will be deducted as per prevailing Govt. rule.

Remarks : Modification and add-on of existing Effluent treatment plant (Capacity - 1000 KLD)

: All Materials supply should accompany Test Certificate mandatorily .

This is system generated purchase order , hence not signed .

: Please Address/deliver all the commercial documents such as invoice / Chalan / Report / Certificate to our ma stores only.Under no circumstances, the commercial documents should be handed over to our plant staff. You can also email the copy of invoice to : - receipt.stores@gpil.in





COMPLINT/204

GODAWARI POWER & ISPAT
GODAWARI POWER & ISPAT LTD
Plot No - 428/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G)

SERVICE PURCHASE ORDER

PO Number : 2147003338
PO Date : 26.06.2021
Amended Date : 26.05.2021

TERMS & CONDITIONS FOR SERVICE / LABOUR CONTRACTS / JOBWORK

1. You will ensure to provide manpower as per our requirement from time to time for above mentioned jobs. The persons engaged by you should have adequate, Skills & experience of relevant jobs.
2. The above manpower should always be available at the workplace which is our prime condition so that work is not hampered or otherwise proportionate amount shall be deducted from your bill.
3. You will depute required number of supervisor, who will make sure regarding proper deployment of manpower and supervision of assigned work.
4. You will submit your monthly Bills on or before 5th day of every month after job completion at concern department and payment shall be made upon verification of job date wise deployment of manpower subject to deduction of TDS and other statutory deduction as applicable.
5. You will pay wages to your personnel at the rates as prescribed by State Government from time to time under the supervision of our office as specifically detailed for the purpose. You will also submit the monthly Attendance & Wages register to our personnel department for required verification along with your bills.
6. You will also provide us a list of all your personnel engaged in jobwork along with photographs with their brief Bio-data, driving license and experience certificate in details (if required) to company.
7. You will be responsible for all statutory liabilities like Labour License, EPF, ESIC/ WC Policy, etc. for the personnel deployed by you.
8. You will submit us the copies of your Labour License, W.C. Policy, ESIC, PF Challan, etc. Issued by the concerned authorities to our Personnel Department within 30 days, failing which the statutory dues of your personnel like, ESI, PF and in case of fatal accident occurs your workmen on duty, you will have to born all medical expenses and compensation of the injured workmen.
9. Minimum age limit for the supply of labour shall be 18 years & maximum age limit shall be 60 Years.
10. The normal working hours shall be as per standing order of the company with a lunch break as prescribed. However the timing may be changed at the discretion of the company from time to time. In case of urgency/ emergency, the labour can be deployed beyond normal hours with prior approval of competent officer.
11. Your personnel shall abide the rules and discipline of the company, if any one found breaching/ violation of the same shall be replaced immediately. You will also ensure that your personnel shall not be indulging in any sort of anti social activities like theft, gambling, strike, dharna, gherao and fraudism against the company. If such type of incident happens during your contract period, you will be solely responsible for any disciplinary, legal and criminal action against you by the company/Govt. Authorities. Accordingly your security deposit and/or bill amount will be forfeited against any damage or loss of company.
12. Your employees while on duty or before coming to duty should not consume alcohol /drugs or other intoxicants.
13. The Company will provide all the Personal Protective Equipments to your personnel like Safety Shoes, Helmets, Hand Gloves, and Nose Masks etc. on chargeable basis. Only First-Aid facility will be provided by the company, except this no other aid can be given in this regard.
14. Please ensure that your supervisor must be aware about the safety rules and he should strictly follow the safety procedures given by our Safety Officer and Shift- In-charge from time to time.
15. In spite of instructions, if you violate the safety rules and instructions and any accident occurs due to negligence, you will be imposed the penalty as per the decision taken by GPIL safety department.
16. Drawings provided by the company must be utilized as a man of ordinary prudence and must be returned the same condition immediately after their purpose is served. Such drawings as a whole or any part thereof must not be lent, shown, copied or transmitted in any form or by any means to third parties under any circumstances.
17. You will return to the company all such serviceable materials that may be left with you, after the completion of the contract or at its termination for any reason whatsoever.
18. The job /job work is to conform to relevant IS standard and inspection will be done accordingly. You shall not make any variation from drawings and specifications, instructions etc. without prior written approval of the company's engineer-in-charge.
19. Company reserves the right to terminate the work order/ contract, at any time giving a notice of 15 days and no compensation will be paid in lieu thereof.
20. If the contractor wants to rescind the contract voluntarily or otherwise, he is required to give a notice of at least 60 days failing which the amount of security deposit including any other dues will be recovered from him for making alternate arrangement till the new contract is



COMPUTATION

GODAWARI POWER & ISPAT

GODAWARI POWER & ISPAT LTD

Plot No. - 428/2, Phase - 1, Siltara Industrial Area, Raipur - 493111 (C.G.)

SERVICE PURCHASE ORDER

PO Number : 2147060139
PO Date : 26.06.2021
Amended Date : 26.06.2021

- assigned to the other party
- 21 This contract shall remain in force for a period of one year from the date of Purchase Order/start of work whichever ever is earlier.
- 22 Since the contract is for doing Temporary, Seasonal & Non permanent jobs, the personnel deployed by you shall not have any right to claim permanency of jobs in our company. Similarly we do not guarantee full time or round the year deployment of your personnel since our requirement is need based and any increase/decrease of manpower may be affected depending upon our exigencies.
- 23 The required strength of workers under various categories is indicative only. However the deployment shall be as per actual requirement & decided in consultation with the contractor and any increase/decrease in the actual deployed strength shall increase/reduce the payment to be made proportionately.
- 24 In case of labour disputes for nonpayment of wages to the workers or any other disputes, the payment due to the contractor can be withheld till settlement of the disputes by the Institute or on the orders of the court of law.
- 25 ACCOMMODATION & TRANSPORTATION: The contractor has to arrange at their own cost and risk, unless specified otherwise in P.O.
- 26 WATER & ELECTRICITY: Water & electricity as required for the work shall be provided free of cost for work at site by the Company.
- 27 STORAGE OF MATERIAL: Storage of all material of contractor shall be responsibility of contractor.
- 28 ADJUSTMENT OF DUES: If any sum found due from and payable to the GPII, by the contractor in connection with any other contract the company shall have the right and liberty to adjust the same out of the due under other contract.
- 29 The Contractor shall take all measures necessary to comply with the requirements of the Health, Safety and Environment at Work and any other Acts, orders, regulations and Codes of Practice relating to health, safety and environment which may apply to the Contractor in the performance of the Purchase Order [As per HIRAO of OHSMS 45001:2018].

Please sign the duplicate copy of this order as a token of acceptance of the same and agreeing to abide by the Terms & Conditions in entire as aforesaid.



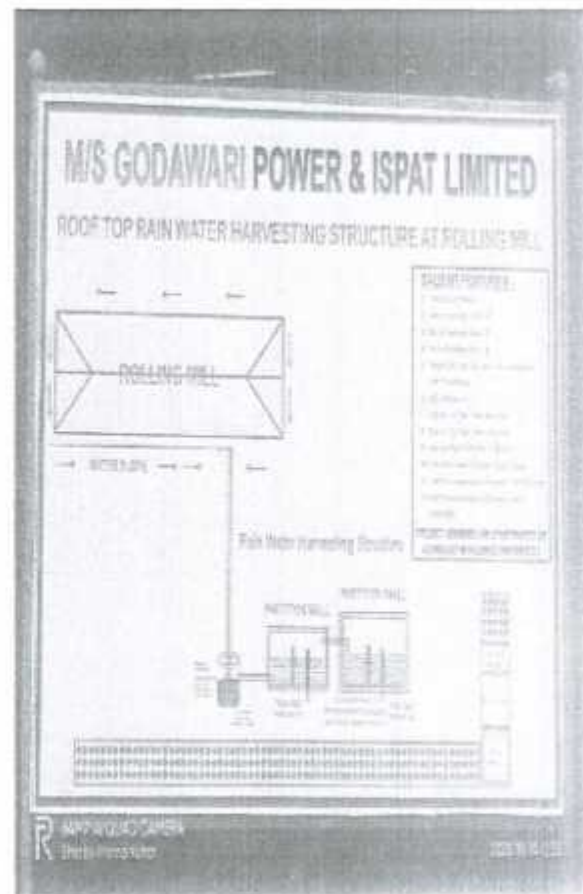
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Signature :-

Name :- Pramed Sen

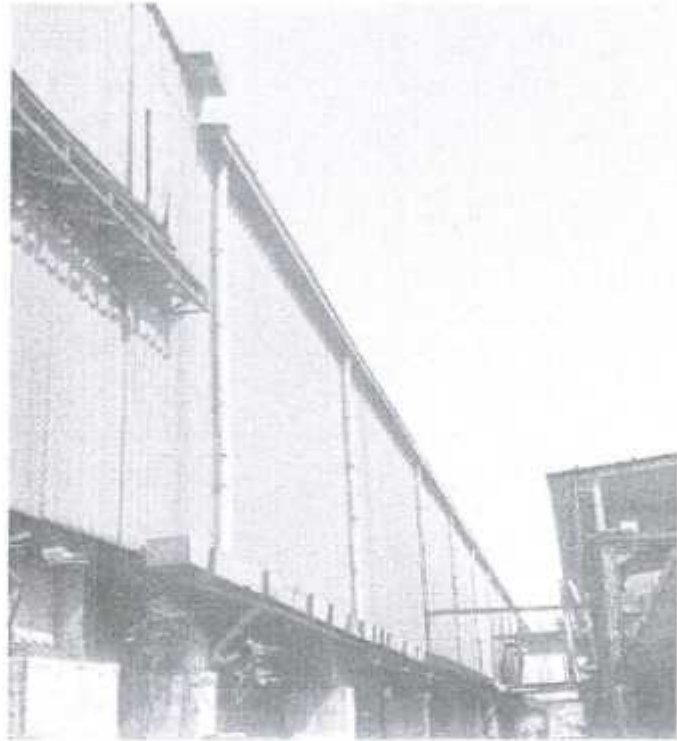
Dated :- 28/06/2022

HIRA RAIN WATER HARVESTING SYSTEM WITH MONITORING FACILITY



Signature

HIRA RAIN WATER HARVESTING SYSTEM WITH MONITORING FACILITY



Signature

HIRA
GODAWARI POWER & ISPAT

RAIN WATER HARVESTING SYSTEM DEVELOPMENT



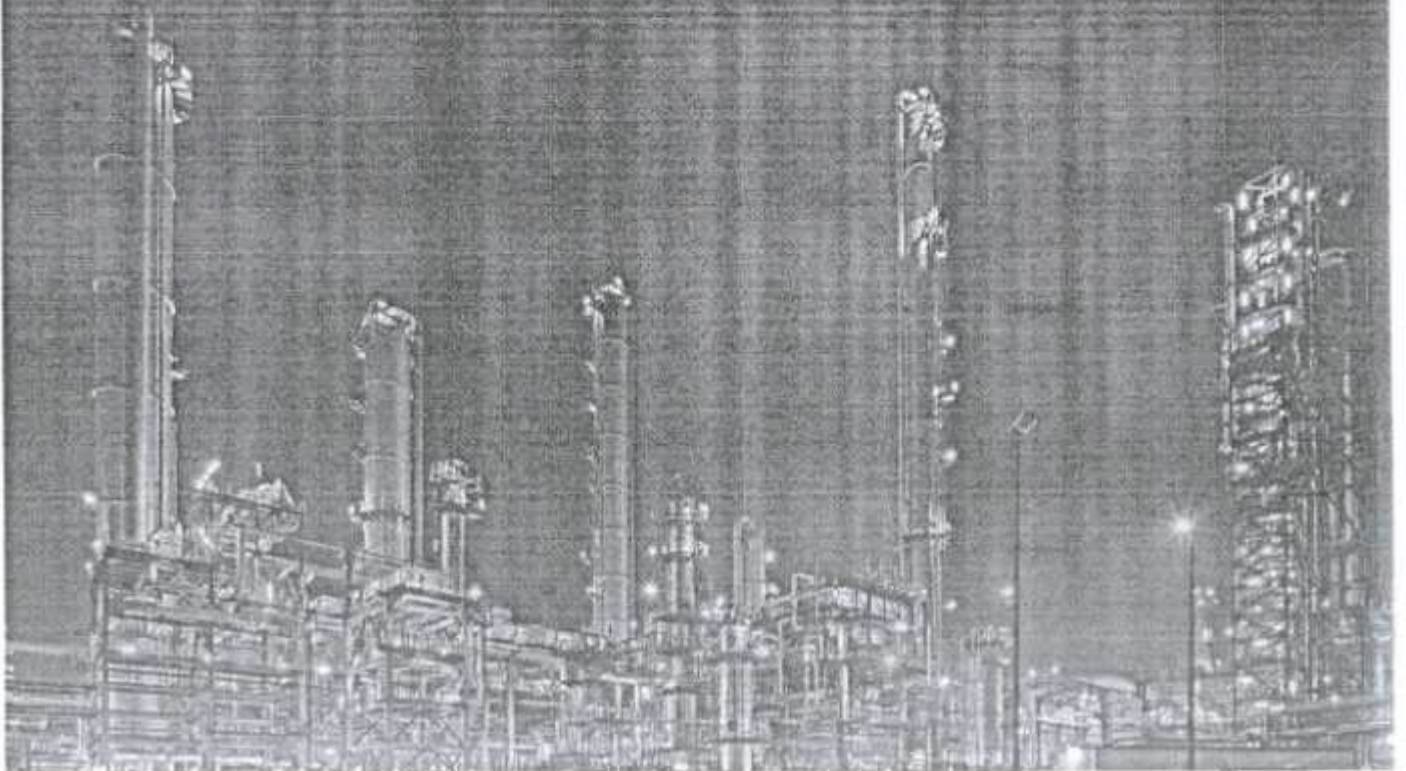
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HIRA
GODAWARI POWER & ISPAT

Godawari Power & Ispat Ltd.

Prepared By
EKI Energy Services Limited

GHG Inventory Report



Sagar

EXECUTIVE SUMMARY

A GHG Inventory Report is a measure for the amount of greenhouse gases release into the atmosphere. Godawari Power & Ispat Limited (GPIL) intent to reduce its impact on the environment over the long term. The Kyoto protocol gases are identified for this study. The report includes procedures for the management of the GHG Inventory, emission removals and an implementation for achieving this reduction. The report also sets out the methods of data collection, the criteria for assessing the quality of the processed data, as well as presents specific points that may be gradually improved in this area.

These emissions include scope 1 emissions (direct emissions from sources under direct operational control of GPIL) and scope 2 emissions (indirect emissions due to consumption of purchased grid electricity from INDIAN grid and JPAL). The GHG Inventory Report is divided into 02 scopes, which covers:

- **Scope 1** emissions are defined as direct GHG emissions arising from sources that are owned and/or controlled by the GPIL. The emissions result from activities that GPIL can have direct control through its actions.
- **Scope 2** emissions are associated with the use of electricity imported from the grid. These indirect GHG emissions are due to upstream emissions from the production and delivery of fuel to power stations.

Emission Inventory Summary

GPIL Emission Breakdown:	Base Year (2020-21)	Current Year (2021-2022)	Change from Base Year
Scope 1 (tCO ₂)	21,40,900.80	21,43,789.45	Increase by 2,888.65
Scope 2 (tCO ₂)	1,30,077.88	1,12,197.66	Decrease by 17,880
Total Emissions (tCO₂)	22,70,978.68	22,55,987.11	Decrease by 14,992.57

Above table refers the scopes drawn with the activities which are reported on at GPIL as a whole for comparison. An overview of the reporting years carbon footprint by emission scope is tabulated. The key performance indicators adopted by GPIL is emissions (Scope 1 and Scope 2) per MT of raw materials processed.

ABBREVIATIONS

ARU	Amine Regeneration Unit
AVU	Atmospheric and Vacuum Distillation Unit
ATF	Aviation Turbine Fuel
API	American Petroleum Institute
AR4	IPCC Fourth Assessment Report
GPIL	Godawari Power & Ispat Limited
BS-VI	Bharat Stage VI
GPILEP	Godawari Power & Ispat Limited Expansion Project
CEA	Central Electricity Authority of India
CFC	Chlorofluorocarbon
CGD	City Gas Distribution
DHDT	Diesel Hydro-Treating Unit
DHDTU	Diesel Hydro Desulphurization Unit
DM	Demineralization
EF	Emission Factor
ETP	Effluent Treatment Plant
FCC	Fluid Catalytic Cracking Unit
FG	Fuel Gas
FY	Financial Year
FO	Fuel Oil
GHG	Greenhouse gas
GWP	Global Warming potential
GT	Gas Turbine
HCN	Heavy Cracked Naphtha
HR	Hours
HRSG	Heat Recovery Steam Generator
HSD	High Speed Diesel
GPIL	Godawari Power & Ispat Ltd.
ISO	International Organization for Standardization
ISOM	Isomerization
IMO	International Maritime Organization
IPCC	Intergovernmental Panel on Climate Change
LCN	Light Cracked Naphtha
LPG	Liquefied petroleum gas
LRU	LPG Recovery Unit
LTU	LPG Treating Units
MMTPA	Million Metric Ton Per Annum
MSQ	MS Quality Improvement
MT	Metric Ton
NHDT	Naphtha HydroTreating
PCK	Pipeline Compatible Kerosene
PV	Photovoltaic
RFCCU	Residue Fluid Catalytic Cracking
RPC	Raw Petroleum Coke
SRU	Sulphur Recovery unit
TPS	Thermal Power Station
WBCSD	World Business Council for Sustainable Development
WRI	World Resources Institute

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1. INTRODUCTION

1.1. ABOUT GPIL

Godawari Power & Ispat Limited (GPIL) a public Ltd. Co., formally IspatGodawari Ltd (IGL), a pioneer constituent belonging to HIRA Group of Industries, Raipur, C.G. was incorporated in 1999 to set up an integrated steel plant with captive power generation under the guidance of visionary leadership of Mr. B. L. Agrawal, Managing Director, a techno commercial visionary having proven wide experience in commissioning & running of Cement Plant, Sponge Iron Plant etc., backed by a dedicated team of professionally qualified personnel under the stewardship of Board of Directors having expertise in Engineering finance administration GPIL is listed with the National Stock Exchange and Bombay Stock Exchange.

GPIL is a flagship Company of Raipur-based Hira Group of Industries having dominant presence in the long product segment of the Steel industry, mainly into mild steel wire. Today, GPIL is an end-to-end manufacturer of mild steel wires. In the process, the company manufactures sponge iron, billets, Ferro alloys, captive power, wires rods steel wires, Oxygen gas and last but not the least iron ore pellets. GPIL is also awarded rights for Iron Ore Mining for captive consumption, as a result of which, the company has managed to traverse the entire value chain (raw material to final product) in steel wires and has now become a fully integrated steel manufacturer.

Faced with changing dynamics of the business, Godawari Power & Ispat Limited went on to integrate backward and forward and built the E&P and other business verticals. The company also diversified into other business verticals besides foraying into clean energy sources such as natural gas, bio-energy and alternate energy. GPIL identifies itself as a responsible public sector enterprise, offering affordable energy and quality products with transparency; ensuring operational excellence across functions; having state-of-the-art technologies; tapping energy in the most responsible manner; and contributing to improve the life of billions across the globe.

1.2. VISION, SUSTAINABILITY POLICY, STRATEGIES AND PROGRAMS

- To harness frontier technology and pioneering research in delivering new age energy solutions that contribute to the growth and development of the nation, by setting high ethical standards for business and creating long-term relationships with customers.
- To strive towards employee growth and satisfaction
- To care for the environment and the community.

Godawari Power & Ispat Limited prides itself on its strong environmental conscience. The company's business strategy focusses on offering cleaner conventional fuels, renewable energy, operational & supply chain excellence, energy conservation and mitigation of operational greenhouse gas emissions. The company is committed to

align its operations and products towards achieving India's targets under the Paris Agreement.

Sustainability Policy^{1,2}

GPIL's Sustainability & CSR vision is to operate its activities in providing energy solutions to its customers in a manner that is efficient, safe & ethical, which minimizes negative impact on environment and enhances quality of life of the community, towards sustaining a holistic business.

Sustainability Mission

- Meet stakeholders' aspirations for value creation and grow along with the society
- Incorporate environmental and social consideration in business decisions
- Ensure a safe & healthy working environment
- Earn stakeholders' goodwill and build a reputation as a responsible corporate citizen
- Conduct business with ethics and transparency & follow responsible business practices

Thrust Areas

- Efficiency in operations and processes
- Safe and healthy environment in and around the workplaces
- Tourist friendly facilities at monuments of national importance
- Basic livelihood needs & societal empowerment
 - Safe drinking water and protection of water resources.
 - Healthcare and sanitation
 - Education and employment-enhancing vocational skills.
 - Empowerment of women and socially / economically backward groups, etc.
- Environmentally sustainable practices within & beyond the organization's premises:
 - Clean energy options.
 - Rain water harvesting (at co. owned premises, retail outlets).
 - Limit emission of Greenhouse Gases.
 - Reduce/reuse/recycle resources/waste & dispose waste streams in environmentally safe manner.
- Promotion of responsible business practices: Conduct business with transparency, integrity and accountability

Sustainability at Godawari Power & Ispat Limited

Godawari Power & Ispat Limited is a diversified, integrated energy major with presence in almost all the streams of oil, gas, petrochemicals and alternative energy

¹https://GPIL.com/download/Sustainability_Policy_of_IndianOil.pdf

²https://GPIL.com/IOC_S&CSR_Policy.pdf

sources; with high-caliber people, state-of-the-art technologies and cutting-edge R&D; committed to operational excellence, quality-consciousness and transparency; where energy in all its forms is tapped most responsibly and delivered to the consumers most affordably.

Sustainability to Godawari Power & Ispat Limited

Energy transition

- Reducing GHG Emissions
- Greener Products & Renewable Energy
- R&D into clean energy
- Improving Operational & Supply Chain Efficiency
- Partnering to advance low carbon solutions

Health & Safety

- Operational Health & Safety
- Contract Labour Health & Safety
- Supply Chain Health & Safety
- Customer Safety

Social Upliftment

- Ensuring availability and access to fuels
- Contribution during National Emergencies
- Corporate Social Responsibility
- Skill development & local manufacturing
- Promoting innovation and entrepreneurship through StartUp Program

Working Responsibly

- Caring for the Environment
- Employee Wellbeing
- Corporate Governance

1.2.1. ENERGY SCENARIO IN ASSESSMENT YEAR

DIFFERENT TYPES OF ENERGY SOURCES BEING USED

PRIMARY ENERGY:

- Primary Energy source constitutes natural resources like coal, diesel, LPG etc.
- The coal is used as a fuel in AFBC I boiler as well as in SID section, FAD section and gasifier unit.
- Diesel consumption in company owned vehicles.
- Raw material like limestone/dolomite, iron and sponge ore, manganese ore etc.

SECONDARY ENERGY

THE SECONDARY ENERGY SOURCE IS BASICALLY ELECTRICAL ENERGY WHICH MAYBE SELF-GENERATED OR PURCHASED FROM POWER COMPANY.

ELECTRICITY PURCHASED FROM GRID

The electricity procured from two sources are as under:

1. Purchased electricity from State Board Discom
2. Electricity consumed from JPAL

SELF-GENERATED (CPP/DG SETS/ CO-GENERATION)

The plant is having five numbers of steam turbine driven TG Set of different capacities and the steam for this turbine driven TG Sets of different capacities and the steam for this turbine is supplied by four number of WHRB and two number of AFBC boiler.

The fuel used in AFBC boiler number 1 is coal, coal fines & Dolochar.

The fuel used in AFBC boiler number 2 is coal, coal fines and rice husk.

The plant is having Captive Power Plant (CPP) and Waste Heat Recovery Boiler (WHRB) system to generate electricity. The annual generation during 2021-22 is given below:

Captive Power Plant = 3,49,998MWh

Waste Heat Recovery Boiler = 2,32,651MWh

1.3. PLANT STRUCTURE

The Plant layout is shown in the following figure:

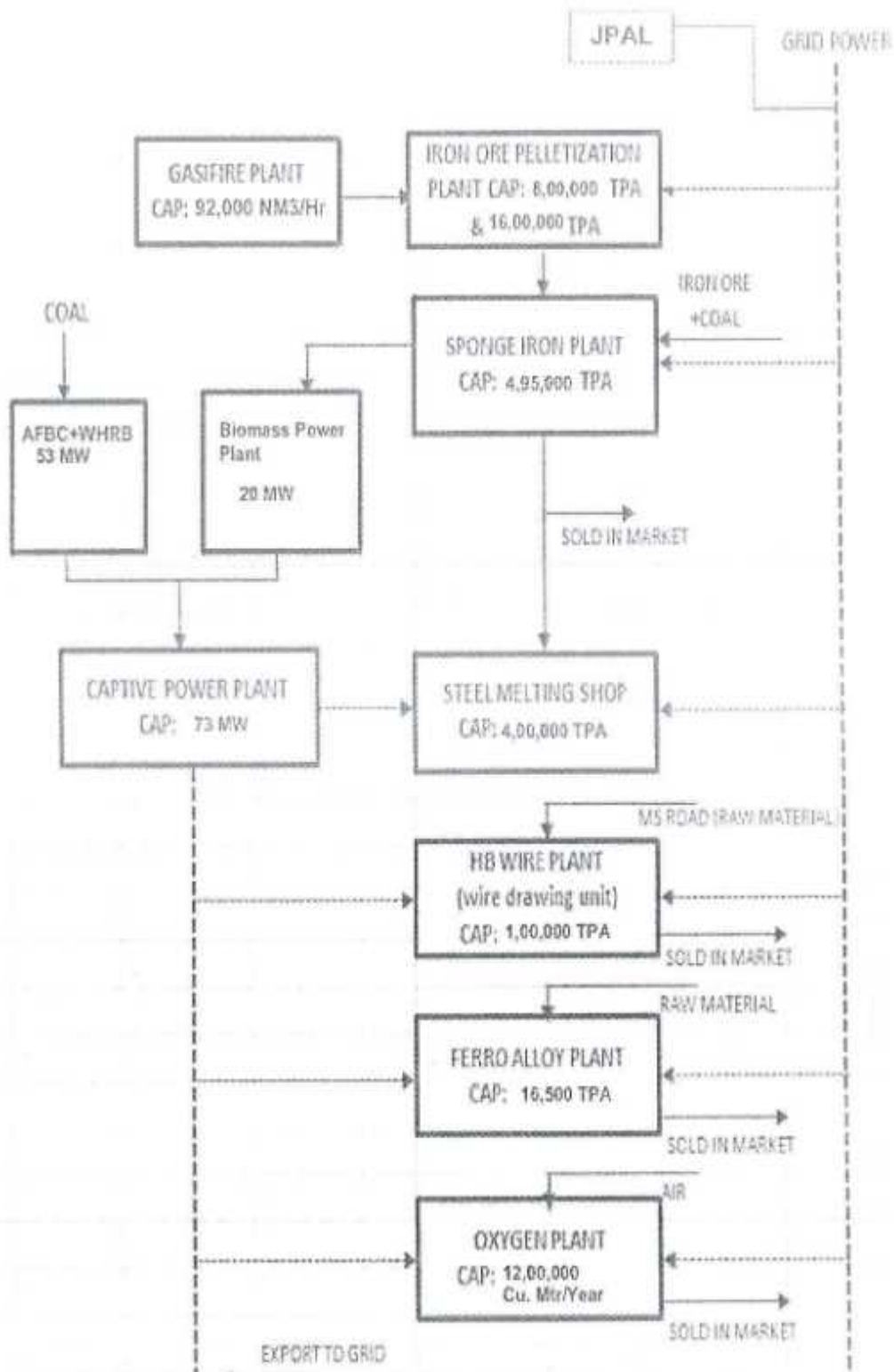


Figure 1 Plant processing layout

1.4. TEAM RESPONSIBLE FOR GHG INVENTORY

The GHG inventory is ultimate vision towards the sustainability by the strong determination of senior management. Also, since GPIL is expanding its capacity and the study is being conducted as per the mandate given by MoEFCC. The provided GHG Inventory and Report has been prepared for Godawari Power & Ispat Limited, with significant support from many departments across all major operating areas.

EKIESL Assessment Team

Table 2 External team description

No	Role	Type of resource	Last name	First name	Affiliation	Involvement in			
						Desk review	Document assessment	Feasibility report	Emission reduction calculation
1.	Lead Consultant	IR			EKIESL	✓	✓	✓	✓
2.	Consultant	IR			EKIESL	✓	✓	✓	✓
4	Reviewer & Approver	IR	Patil	Ramkrishna	EKIESL	✓			✓

*IR- Internal Resource

Other Participants

Table 3 Internal team description

No.	Last	First	Designation	Organisation
1	Singh	Mithilesh	DGM- Power	Godawari Power & Ispat Ltd.
2	Prasad	Laxman	Advisor	

1.5. REPORTING PERIOD AND FREQUENCY

The reporting period for this Carbon Footprint report is: 01/04/2021 to 31/03/2022.

This GHG report covers the financial year 2021-22. The base year would be

the last FY 2020-21. The GHG reports is being calculated and reported annually.

1.6. REPORTING STANDARDS, APPROACH AND VERIFICATION

1.6.1. FOLLOWED STANDARD

The GHG report for the year has been prepared in accordance with

- ISO 14064-1:2018
- Greenhouse Gas Protocol (Developed by WBCSD/WRI)
- Compendium of Greenhouse Gas Emission Methodologies for the Oil and Natural Gas Industry (Developed by API, 2009)
- IPCC Guidelines for National Greenhouse Gas Inventories (developed by IPCC, 2006)

A reporting index has been provided in Appendix1: ISO 14064-1:2018 Reporting Index

2. ORGANIZATIONAL BOUNDARIES, OPERATIONAL BOUNDARIES

2.1. ORGANIZATIONAL BOUNDARY

GPIL has operational control over a source of emissions, GPIL has accounted for 100% of the scope 1 and 2 emissions. Scope 3 will be included at the later stage of the accounting exercise if required.

Using this operational control approach, this GHG Inventory Report includes emissions from the following operations:

Facility Name	Facility Address
Godawari Power and Ispat Limited	Plot No 428/2 Phase 1 Industrial Area, Siltara Raipur, Chattisgarh 493111

2.2. OPERATIONAL BOUNDARY

As per GHG protocol, the Sources of emission for the operational boundaries have been categorized under Scope 1 & 2 as under: -

Scope 1 (Direct Emissions) Include:

(On-site, Owned & Controlled by GPIL)

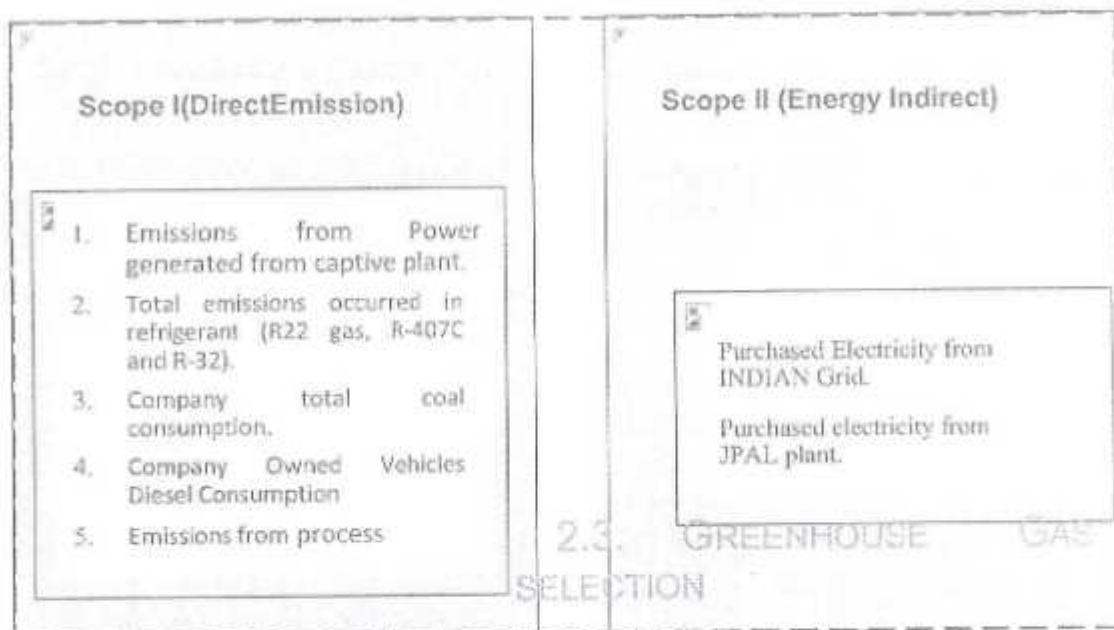
1. Stationary Combustion – at Process Units
2. Stationary Combustion – at Captive Power Plant
3. Mobile Combustion – Operational Vehicles
4. Refrigerant Used
5. Fire Extinguisher refilling

Scope 2 (Indirect Emissions) Include:

(Electricity Consumption)

1. Emissions due to purchased electric consumption from INDIAN Grid and JPAL

The current GHG Inventory is the second consecutive report compiled by the Godawari Power and Ispat Limited, therefore it includes the scope 1 and scope 2 emissions.



Under the Kyoto Protocol, six greenhouse gases have been selected based on the significant estimated volume in the atmosphere due to anthropogenic activities, and the significant potential for reduction. Countries which ratified the Protocol have committed to reduce the "basket-of-seven greenhouse gases, which include: Carbon dioxide (CO₂), Methane (CH₄), Nitrous oxide (N₂O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs) and Sulphur hexafluoride (SF₆).

This report accounts for GHGs considered under the Kyoto Protocol, and the following Non-Kyoto GHG: Hydrofluorocarbons (HFCs) and CFC use in refrigeration.

In this document the results are presented in tCO₂e which represents all the greenhouse gases.

2.4. GHG EMISSION EXCLUSIONS

The context of the inventory, and/or are not feasible or practical to calculate at the current point in time.

- Indirect emission from product used by organizational, indirect GHG emissions associated with the use of products from the organization, indirect GHG emissions from transportation (GPIL owned vehicles used in the transportation are in this study), indirect GHG emissions from other sources are not considered in this first GHG study as it would have required tremendous data compilation through various departments and overall impact of exclusions would not be more than 0.5%. The indirect emissions will be included in the forthcoming GHG reports.
- Emissions that do not figure highly (< 0.5%) in relation to total emissions.

-
- Company travel and transport of machinery by plane, train, ship and subcontracted transport in general, since it forms part of scope 3 (excluded in this study).

3. METHODOLOGY QUANTIFICATION

3.1. GHG CALCULATION METHODOLOGY

The GPIL determines its Greenhouse Gas emissions using a calculation approach, multiplying the activity data compiled with the documented GHG emission factors latest available at the time of report preparation. The scope wise categorization of each GHG emission source, data used and emission factors are tabulated in section 2.2, section 3.3 and section 3.4 respectively.

3.2. BASE YEAR

A base year allows for like-to-like comparisons over time and allows tracking progress to a given target. The base year of GPIL for the purposes of reporting Greenhouse Gas Emissions is considered FY 2020-21.

This base year has been chosen as

- i. The base year reasonably take cares fluctuations in the typical yearly performance of the organization
- ii. It is the second time that the GPIL is able to account all the details intending to calculate the GHG emissions.

The base year GHG Inventory would be compared with the FY 2021-22 and forthcoming subsequent years GHG Inventory in order to check redundancy of the base year GHG calculations as well as for seeking understanding of the GHG information management process.

3.2.1. CHANGES TO BASE YEARS

Recalculation of the base year may apply wherever it is necessary to maintain an effective base year comparison. Reasons for this might include:

- Significant changes related to the expansion of the project
- Structural changes such as mergers and divestments
- Significant estimation method has been changed/improved.
- Significant data sourcing strategy has been changed/improved.
- Change in Scope of the inventory (for instance the purchase of a new business).

There is no change to the base year calculation in this reporting period

3.3. DATA USED

The data used in this report has been monitored by GPIL. All the data is required for this inventory preparation is available either in soft format or hard copies. GPIL follows stringent Data management practices, the recorded data and performances are reported to Ministry of Petroleum and Natural Gas, Government of India on regular intervals. Also, the monitored data is examined numerous times in order to maintain the accuracy. All the activity data used for GHG calculation are tabulated below in Table 3.

Table 4 Data used for GHG calculation

Scope	GHG Sources	Particular/Fuel Used	Unit
Scope I	Stationary combustion - at Process Units	iron ore, limestone, sponge iron, manganese ore	MT
	Stationary combustion - at Captive Power Plant	Coal	MT
	Fire Extinguisher usage	Fire Extinguisher	Ton
	Mobile Combustion - Operational Vehicles	Diesel	Km
	Refrigerant Used	R22,R32 and R407C	Ton
	LPG Consumption	LPG	Kg
Scope II	Electricity Consumption from INDIAN Grid, JPAL Plant	Electricity Consumption	MWh

3.4. APPROACH TO EMISSION FACTORS

The GPIL has referred to globally accepted emission factor from international, scientific/Government bodies available at the time of inventory preparation. The GPIL has made all possible efforts to use the best available emissions factors available at the reporting time and has cited the source of all emission factors used. The Emission Factor (EF) values with the respective sources used in the GHG Inventory are presented in Error! Reference source not found.:

Table 5 GHG emissions factors

Scope	Category	Emission Factor	Unit	Source
1	Diesel Consumption	2.69	KgCO ₂ /lit	2006 IPCC Guidelines for National Greenhouse Gas Inventories
1	CO ₂ refill in FEs	0.001	tCO ₂ /MT	
1	LPG consumption	2984.63	kgCO ₂ /t	
1	Iron Ore/Mill Scale	0.037	tCO ₂ /MT	World Steel Association
1	Limestone/Dolomite	0.44	tCO ₂ /MT	
1	Pellet/Iron Ore	0.037	tCO ₂ /MT	
1	Sponge iron	0.037	tCO ₂ /MT	
1	Manganese Ore/ High Mno Slag	0	tCO ₂ /MT	
1	Refill of Refrigerant R22	1810	-	2006 IPCC Guidelines for
1	Refill of Refrigerant R407C	1774	-	

1	Refill of Refrigerant R32	675	-	National Greenhouse Gas Inventories
1	Coal Consumption	2.46	tCO2/MT	
2	Electricity consumed from State Grid	0.79	tCO2/MWh	Central Electricity Authority

3.5. ASSET ADDITION & DIVESTMENT

During the reported time, there were several units were commissioned and none of the asset/units were divested. Godawari Power and Ispat Limited Improvement Practices.

The motto of Godawari Power and Ispat Limited is "*In harmony with nature*". With this guiding principle, Godawari Power and Ispat Limited is committed to protecting and preserving environment for a better future for our generations.

With a purpose to produce green fuels, Godawari Power and Ispat Limited had already commissioned a 20 MW Biomass based captive power plant and 42 MW Waste heat recovery plant.

4. AVOIDED EMISSIONS

This section sets out a quantification of the avoided Greenhouse Gas emissions in operational boundary due to the implementation of environmental good practices on site. There are various GHG removals practices that GPIL and GPIL implementing on the ground level to minimize GHG emissions. Godawari Power and Ispat Limited Improvement Practices mentioned various improvement practices. The quantified GHG removals is from the electricity generation from Captive Power Plant and WHRB Power Plant.

1. Electricity Generation by WHRB Power Plant

The generation of electricity by WHRB plants located at the operation boundary are considered as avoided emissions.

Table 6 Avoided emissions

Description	MWh	tCO ₂ e avoidance
2021-22	2,32,651.35	1,83,794.57

2. GPIL Corporation Limited (GPIL) has planted many trees in 281 acres (or 78.23 hectares approximately). Based on the conservative estimation, the plantation initiative by GPIL has sequestered several tones of CO₂ approx. 704tCO₂.

Based upon the above figures the net avoided emissions from the processes of Godawari Power and Ispat Limited are 1,84,499.06 tCO₂e.

4.1. GHG EMISSION SUMMARY

The GHG emissions from all the sources during the FY 2021-22 was 22,70,978.68tCO₂e from all the sources.

4.2. EMISSION BY SCOPE

The total emissions broken down by Scope are as follows:

Table 7 Emissions as per Scope 1 and 2

Scope Break Down:		2021-2022
Scope 1	tCO ₂ e	21,43,789.45
Scope 2	tCO ₂ e	1,12,197.66
Total Emissions avoided and sequestered	tCO ₂ e	1,84,499.06
Total Gross Emissions	tCO ₂ e	20,71,488.05

Total GHG Emissions - 21-22



Figure 3 Total GHG emissions (2021-22)

4.3. BREAKDOWN OF GHG EMISSIONS

The emissions sources with their respective emissions are presented in below table under Scope 1 and 2 categories.

Table 8 Emissions by sources

SCOPE 1					
Category	Quantity	UoM	Emission Factor	UoM	TCO2
Diesel Consumption in owned cars	5,92,909	Lit.	2.69	kgCO2/lit.	1594.93
CO2 refill in FEs	141	kg	0.001	tCO2/MT	0.14
LPG consumption	9,006	kg	2984.63	kgCO2/t	26.88
Diesel consumption for stationary usage	1,40,56,270	Lit.	2.68	kgCO2/lit.	37670.80
Raw Material					
1. Pellet Plant					
Iron Ore/Mill Scale	27,89,091	MT	0.04	tCO2/MT	103196.37
Bentonite	23,564	MT	0.00	tCO2/MT	-
Limestone/Dolomite	21,558	MT	0.44	tCO2/MT	9485.52
2. SID (Sponge Iron Division)					
Pellet/Iron Ore	6,88,515	MT	0.04	tCO2/MT	25475.06
3. SMS (Steel melting Shop)					
Sponge iron	3,69,348	MT	0.04	tCO2/MT	13665.88
4. FAD (Ferro Alloys Division)					
Manganese Ore/ High Mno Slag	34,347	MT	0.00	tCO2/MT	-

Refill of Refrigerant R22	1,483	kg	1810.00	-	2683.51
Refill of Refrigerant R407C	56	kg	1774.00	-	99.34
Refill of Refrigerant R32	18	kg	675.00	-	12.15
Total Coal Consumed	7,92,634	MT	2.46	tCO2/MT	1949879
Total Scope 1 Emissions (tCO2e)					21,43,790
SCOPE 2					
Electricity consumed from State Grid	2,09,04,960	kWh	0.79	tCO2/MWh	16514.92
Electricity consumed from JPAL	12,11,17,400	kWh	0.79	tCO2/MWh	95682.75
Total Scope 2 Emissions (tCO2e)					1,12,198

5. DATA QUALITY MANAGEMENT PROCEDURE

5.1. DATA MANAGEMENT PROCEDURES

GPIL has developed and maintained GHG information process that ensure conformance with the principles of ISO 14064-1 and the GHG protocol; ensure consistency with the intended use of the GHG inventory; provide routine and consistent check to ensure completeness and accuracy; identify and address errors and omissions; and manage and store documentations in a safe and accessible manner:

GPIL maintains a qualitative and quantitative assessment of data quality throughout the entire GHG Inventory management system. This includes activity data, data allocation, estimates and recalculations and also the emission factors used. Data quality is evaluated on the basis of completeness, as well as on its sequential, geographical and technological accuracy.

5.2. EMERGENCY PROCEDURES

An emergency procedure is related to data collection issues with respect to metering failure or human error. Procedures should be applied, in line with ISO 14001 requirement to eliminate or reduce the risk of data loss/ incomplete data collection.

5.3. GHG INFORMATION MANAGEMENT PROCEDURE

1. GHG emission factors: For calculating the GHG emissions, the relevant emission factors shall be collected from the GHG protocol and other relevant public sources. The relevant units (liters, kgs, tons etc.) shall be considered for each emission factors and activity data for calculating exact emission of GHG
2. GHG Emission Calculation: GHG emissions are calculated by multiplying the activity data with emission factors/ global warming potentials as may be applicable Total GHG emissions are calculated by including scope-1 and scope 2.
3. Carbon Sink or Removals: The carbon neutrality shall be contemplated by accounting various measures existing and planned e.g., purchase of renewable energy/ energy efficiency activities. Further reduction of carbon emission through reducing fuel consumption shall be contemplated with all relevant HODs and implemented thereof.
4. Internal Check: All relevant departments shall be advised to provide the consumption data on monthly basis. The consumption data will be collected and verified by senior management at frequent interval for accuracy of data.

5.4. ASSESSMENT OF UNCERTAINTY

In this GHG Inventory report scope 1, scope 2 emission streams have been included. With regard to GHG Emissions Inventory, quality refers to the general accuracy and consistency between an organization's actual emissions and quantified emissions. The difference between actual and quantified emissions results from uncertainty and error introduced by activities such as data collection, data management, calculations, and reporting.

The uncertainty analysis and materiality input (significance only) are as per the below table both for the emissions factor as well as the GHG activity data. The uncertainty can be termed as

Low (L): Activity data measured directly using calibrated and maintained meters as per prescribed accuracy class and hence the records maintained e.g., electricity supplied. Emission factors as a result of actual monitored data or laboratory analysis.

Medium (M): Activity data/emission factor is derived from any other/related measured data e.g., mileage, supplier bills

High (H): Activity data/emission factor is derived from theoretical/estimated values combined with actual data e.g., thumb rules industry standard assumptions

Table 9 Assessment of uncertainty

GHG Source Stream		Uncertainty level		Materiality (Significance)
		Emission factor	Activity data	Combined
Scope 1	Fire Extinguisher, Refrigerant, Process Emissions i.e., by GPIL controlled sources,	L	L	No
Scope 2	Electricity consumption from INDIAN grid	L	L	No

Efforts will be made by GPIL in the future inventories in order to keep low uncertainty level for emissions factors and GHG activity data. Considering the above, the overall uncertainty in the GHG estimation of the present study is not likely to be more than $\pm 5\%$ and may hence be considered free from material misstatements.

5.5. REVIEW, INTERNAL AUDIT & IMPROVEMENT

Primary data has been sought for all significant emissions sources. Where data is unavailable or not comparable, conservative estimation methods have been applied such that incentives lie in continually improving the ratio of primary data to estimation approaches.

In future years, our intention is to use this section to highlight improvements in our framework and process for capturing and calculating emissions figures and reducing uncertainty.

5.6. MITIGATION MEASURES

Every tonne of steel produced in 2021, emitted an average of 1.85 tonnes of carbon dioxide, equating to almost 8 percent of global carbon dioxide emissions. However, the industry now needs to cope with the 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 made in 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 running in the long term.

The following are the mitigation measures implemented by GPIL to reduce emissions,

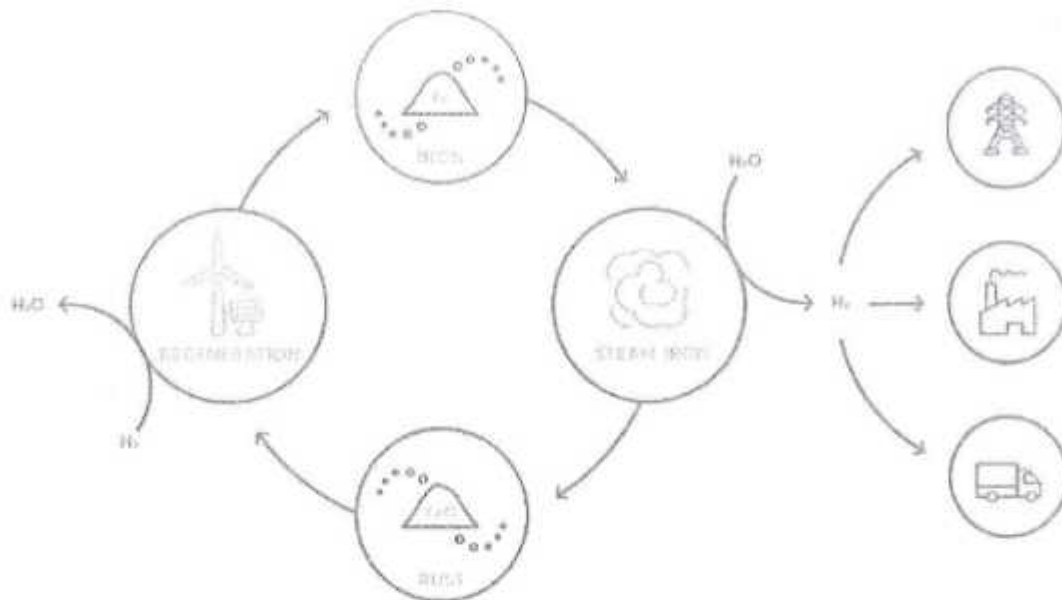
1. The commissioning of 70 MW solar project for increasing consumption of Green energy in the operations, thus reducing the emissions under Scope 2
2. Installation of 48 MW single TG set in Phase 1 and Energy efficient TG set in Phase 2
3. The CPP – JPAL will also have Energy efficient TG set, thus reducing emissions increasing efficiency
4. Replacement of Small Electric Arc Furnace by bigger capacity
5. We are also implementing PAT Energy efficient measures in the operations to increase energy efficiency

Measures that could be considered for reducing the GHG emissions

Below listed are some of the decarbonization strategies and running pilot plants to assess different production technologies.

Long-Term Strategies for Carbon Neutrality by 2030

- Greater use of electricity produced from renewable sources i.e., up to 60%, could dramatically reduce CO₂ emissions from iron and steel production.
- Fossil fuel-based carbon is widely used in iron and steelmaking in a number of forms, and the replacement of these materials with renewable carbon derived from biomass offers the greatest potential to reduce the greenhouse gas footprint of steel production.
- The steel production using HYBRIT (Hydrogen Breakthrough Iron making Technology), which uses electricity from renewable sources to create the clean-burning gas. With this process, hydrogen replaces fossil fuels both in the manufacture of iron pellets and carbon purification process.



- Using H₂ (which can be green H₂ that produced from zero-C electricity) and zero-C electricity for BF-BOF can abate up to 28.8% of the carbon emission. If using gas-based DRI production, however, this decarbonization potential is surprisingly high: 78% decarbonized reference to DRI-gas itself and 86% is taking BF-BOF technology as reference. Considering the fact that the H₂ can be produced from zero-C electricity, electrification appears promising if gas-based DRI is the primary production pathway.

Fundamentally, overt market-facing policies will be needed to avoid dislocations and speed decarbonization. These include:

- Investments in low-carbon infrastructure enablers, such as low-carbon transmission systems, hydrogen pipelines, and CO₂ storage hubs and clusters.
- Support for domestic decarbonization with incentives. These could include revenue enhancements, such as grants, feed-in tariffs, and contracts for differences, or capital treatments, such as tax credits.
- Green procurement, including authorization to purchase low-carbon steel made by domestic industry at elevated prices. This is particularly straightforward for infrastructure and military procurement.
- Development of low-carbon production standards as a regulatory driver, matches with border tariffs to avoid leakage and offshoring of jobs and industry.
- Deliberate early retirement and replacement of current steel-producing facilities with low-emission options, as well as a shift to increased scrap steel recycling using zero-carbon electric power.

5.7. DISCLAIMER

This report was realized based on information obtained from GPIL and observations made during the interview, to the best of EKIESL's knowledge and belief, bearing in mind the agreed assessment objectives and defined scope of work.

EKIESL cannot guarantee the completeness or accuracy of any description or conclusions of those portions of this report that are based on documents and verbal information provided by representatives of the Client or the target Company. EKIESL has not independently verified such information. EKIESL in no way should be held accountable for any faults, discrepancies or inaccuracies in information obtained from Government authorities, other sources outside of EKIESL, verbal information provided to EKIESL or developments resulting from circumstances/ conditions beyond the scope of this assessment.

EKIESL makes no assurance or guarantee, of whatsoever nature, with regards the merchantability, marketability or suitability of the site for any purpose.

As the assessment process is restricted by scope, time and schedule, it is not meant to be comprehensive and all-inclusive.

The report has been prepared for GPIL. The scope of services performed in the execution of this assessment may not be appropriate to satisfy the needs of other users. Any use or re-use of this document is at the sole risk of said user.

No promotional or advertising activities (including brochures and offering circulars) of the Client or its affiliates should involve usage of any or all information stated within EKIESL's report or correspondences.

All services by EKIESL are provided in accordance with the EKIESL Standard Conditions of Service.

APPENDIX1: ISO 14064-1:2018 REPORTING INDEX

This report complies with the ISO 14064-1 2018 standard, the various section of the report rationalizes the standard either as a statement or in sections. The exclusion is mentioned over section 2.4GHG Emission Exclusions.

ISO REPORTING	SECTION IN THIS REPORT
5.1.A	2.12.1 ORGANIZATIONAL BOUNDARY
5.2.1	2.2 OPERATIONAL BOUNDARY
5.2.2	2.2 OPERATIONAL BOUNDARY
5.2.3	2.2 OPERATIONAL BOUNDARY
5.2.4.A	2.2 OPERATIONAL BOUNDARY
5.2.4.B	2.2 OPERATIONAL BOUNDARY
5.2.4.C ³	2.2 OPERATIONAL BOUNDARY
6.1	2.2 OPERATIONAL BOUNDARY
6.2.1	3.3 DATA USED
6.2.2	3.3 DATA USED
6.2.3	3.1 GHG CALCULATION METHODOLOGY
6.3	3 METHODOLOGY QUANTIFICATION
6.4.1	3.2 BASE YEAR
6.4.2	3.2.1 CHANGES TO BASE YEARS
8.1	5 . DATA QUALITY MANAGEMENT PROCEDURE

³ Partially included, excluded are mentioned over the section 2.4GHG Emission Exclusions

Solid Waste Management

Non Hazardous Waste

- 100% utilization of waste being ensured.
- Fly ash & Clinker ash is being supplied to brick plants, slag generated from the SMS is being re-processed in slag crusher for recovery of metallic part and non-metallic part is used for road base making and supplied to cement industries for their use as additives.
- Tailing generated from Iron Ore Beneficiation plant is being utilized for road embankment and reclamation of low lying area after getting NOC from the concerned gram panchayat / user agency.
- ESP dust generated from the sponge iron division being utilized for filling of low lying areas after getting NOC from the concerned gram panchayat / user agency.
We ensure soil cover, compaction and plantation over the area.

Hazardous Waste

We obtained the authorization under Rule 9 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 for use of Tar & Phenolic Waste Water generated from coal gasifier plant in pellet plant & sponge iron division respectively.



Slag Generation and Utilization Details

Financial Year 2021- 22

Generation (MT)	In house utilization - Recycling in process/ Road construction, low lying area filling	Sold to outside parties (MT)
53852	53227	625

Financial Year 2022- 23

Generation (MT)	In house utilization - Recycling in process/ Road construction, low lying area filling	Sold to outside parties (MT)
52011	26561	25450

Saya

Slag Sale Record:-

PARTY WISE SMS SLAG SALE DURING FY 21-22

CUSTOMER' NAME	QTY (MT)
GRAVITY FERROUS PVT. LTD.	434.78
SHREE HANUMAN LOHA PVT. LTD.	189.87
	624.65

PARTY WISE SMS SLAG SALE DURING FY 22-23

CUSTOMER' NAME	QTY (MT)
Chhattisgarh Enterprises	26.71
D M TRADE AND SERVICES	2,079.00
MANGALAM TRADERS	1,251.43
OM BRICKS	4,374.15
PRAVEEN KUMAR VERMA	2,073.19
RISHU TRADERS	1,199.23
S D ROADLINES	1,355.36
SAROJ ENTERPRISES	20.94
SHREE SHYAMJI WIRE INDUSTRIES	266.37
USHA SALES & SERVICES	1,305.35
Chhattisgarh Enterprises	2,109.23
Chhattisgarh Enterprises	6,437.77
SHRI MAHADEV COMPANY	2,288.15
USHA SALES & SERVICES	663.11
	25,450

Sanya

Solid Waste Generation and Utilization Details

Financial Year 2021- 22

SN	Solid Waste	Generation (MT)	Utilization (MT)			Remarks
			Supply To Cement Plant	Supply to Brick Manufacturing	Utilization for Filling of low lying area	
1	Fly Ash	57973	Nil	57973	Nil	Utilized by brick manufacturing
2	Tailing	306283.46	Nil	Nil	306283.46	Utilized after NOC of concern user - NOCs/Agreement are attached
3	Ash (Sinder)	77694.75	Nil	Nil	77694.75	
4	ESP Dust	88545.605	Nil	10873.952	77671.653	

Financial Year 2022- 23

SN	Solid Waste	Generation (MT)	Utilization (MT)			Remarks
			Supply To Cement Plant	Supply to Brick Manufacturing	Utilization for Filling of low lying area	
1	Fly Ash	42906	Nil	42906	Nil	Utilized by brick manufacturing
2	Tailing	426686.01	Nil	Nil	426686.01	Utilized after NOC of concern user - NOCs/Agreement are attached
3	Ash (Sinder)	75655.6	Nil	Nil	75655.6	
4	ESP Dust	91557.85	Nil	32084.92	59472.93	

Saya



**MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD. SILTARA, RAIPUR,
(CHHATTISGARH)**

This Memorandum of understanding for utilization of Fly Ash is made on 1st day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no 428/2, Phase – 1 Industrial area, Siltara – 493111, Dist.- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors – in interest and permitted assigns) of the one part.

Gopal Pade Brick Manufacturing AND having its manufacturing unit at Village – Albaras, Dist.-Durg Chhattisgarh (hereinafter referred to as GPBMU which expression shall unless repugnant to the context or meaning thereof, include its successors – in – interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist.- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. GPBMU will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara, Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to GPBMU be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generations at Siltara, Raipur.
2. Quantity of brick : GPBMU has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 30,94,000 Numbers/ Year (Thirty Lac Ninety Four Thousand Numbers per year)



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
DIN L27106CT1999PLC013755

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

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Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com



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3. Services from GPIL: GPIL shall provide all necessary assistant in term of making adequate arrangement for collection and loading into your vehicles.
4. Compensation: GPIL and GPBMU shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long terms basis.
5. This document is intended to record the broad area of in-principle agreement between GPBMU and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long terms basis. This does not constitute a bidding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, is will do so only with prior intimation to GPBMU.

All legal proceeding in connection with this MOU shall be subject to territorial Jurisdiction of civil courts at Raipur.

IN WITNESS where of both the parties hereto have signed and sealed this MOU the day, months and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY

For Godawari Power and Ispat Ltd.

Executive Director

For Gopal Pade Bricks
Manufacturing
विद्युत धरणी, रायपुर, छत्तीसगढ़

Witness:

1.

Name: U.M. Mohanty
Address: GPIL
Siltara, Raipur
CG.



2.

Name: R. K. Roy
address: GPIL Siltara
Raipur (C.G)

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC012756

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**MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD, SILTARA, RAIPUR,
(CHHATTISGARH)**

This Memorandum of understanding for utilization of Fly Ash is made on 1st day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no 42B/2, Phase – 1 Industrial area, Siltara – 493111, Dist.- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors – in interest and permitted assigns) of the one part.

Rajesh pade Brick Manufacturing AND having its manufacturing unit at Village – Nankathi, Dist.-Durg Chhattisgarh (hereinafter referred to as RPBM which expression shall unless repugnant to the context or meaning thereof, include its successors – in – interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist.- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. RPBM will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara,Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to RPBM be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generation at Siltara, Raipur.
2. Quantity of brick : RPBM has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 56,00,000 Numbers/ Year (Fifty Six Lac Numbers per year)



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
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3. Services from GPIL: GPIL shall provide all necessary assistance in terms of making adequate arrangement for collection and loading into your vehicles.
4. Compensation: GPIL and RPBM shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long term basis.
5. This document is intended to record the broad area of in principle agreement between RPBM and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long term basis. This does not constitute a binding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, it will do so only with prior intimation to RPBM.

All legal proceeding in connection with this MOU shall be subject to territorial Jurisdiction of civil courts at Raipur.

IN WITNESS where of both the parties hereto have signed and sealed this MOU the day, month and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY

For Godawari Power and Ispat Ltd.

Executive Director

र. पदेंद्र पाटे ब्रिक मैन्युफैचरिंग
 राजेश पाटे
 For Rajesh Pade Brick Manufacturing

Witness:

1.
 Name: U.M. Mohanty
 Address: GPIL
 Siltara, Raipur.
 (C-4).



2.
 Name: R.K. Roy
 address: GPIL, Siltara
 Raipur (C-4)

Godawari Power & Ispat Limited

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 CIN L27106CT1999PLC013756

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**MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD. SILTARA, RAIPUR,
(CHHATTISGARH)**

This Memorandum of understanding for utilization of Fly Ash is made on 1st day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no 428/2, Phase – 1 Industrial area, Siltara – 492111, Dist.- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors – in interest and permitted assigns) of the one part.

Digesh Brick Manufacturing AND having its manufacturing unit at Village – Nankathi, Dist.-Durg Chhattisgarh (hereinafter referred to as DB which expression shall unless repugnant to the context or meaning thereof, include its successors – in – interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist.- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. DB will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara,Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to DB be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generations at Siltara, Raipur.
2. Quantity of brick : DB has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 80,00,000 Numbers/ Year (Eighty Lac Numbers per year)



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
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3. **Services from GPIL:** GPIL shall provide all necessary assistance in terms of making adequate arrangement for collection and loading into your vehicles.
4. **Compensation:** GPIL and DB shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long terms basis.
5. This document is intended to record the broad area of in-principle agreement between DB and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long terms basis. This does not constitute a binding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, it will do so only with prior intimation to DB.

All legal proceeding in connection with this MOU shall be subject to territorial Jurisdiction of civil courts at Raipur.

IN WITNESS where of both the parties hereto have signed and sealed this MOU the day, months and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY

For Godawari Power and Ispat Ltd.

Executive Director

Witness:

1.

Name: U. M. Mohanty
Address: GPIL, Siltara, Raipur (C-6).



For Dipesh Brick Manufacturing

हरिशंकर कुंभकार
दिता (डिप)

जालंधर

2. 6.52.00
26/12/15 to 30/12/2015

Name: R. K. Roy
address: GPIL, Siltara, Raipur (C-6)

Godawari Power & Ispat Limited

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**MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD. SILTARA, RAIPUR,
(CHHATTISGARH)**

This Memorandum of understanding for utilization of Fly Ash is made on 3rd day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no 428/2, Phase – 1 Industrial area, Siltara – 493111, Dist.- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors – in interest and permitted assigns) of the one part.

Hari Senkar Kumbhkar Brick Manufacturing AND having its manufacturing unit at Village – Albaras, Dist.- Durg Chhattisgarh (hereinafter referred to as HSKBMU which expression shall unless repugnant to the context or meaning thereof, include its successors – in – interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist.- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. HSKBMU will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara,Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to HSKBMU be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generations at Siltara, Raipur.
2. Quantity of brick : HSKBMU has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 31,00,000 Numbers/ Year(Thirty one Lac Numbers per year)



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN U27109CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India
P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India
P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com



3. Services from GPIL: GPIL shall provide all necessary assistant in term of making adequate arrangement for collection and loading into your vehicles.
4. Compensation: GPIL and HSKBMU shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long terms basis.
5. This document is intended to record the broad area of in-principle agreement between HSKBMU and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long terms basis. This does not constitute a biding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, it will do so only with prior intimation to HSKBMU.

All legal proceeding in connection with this MOU shall be subject to territorial Jurisdiction of civil courts at Raipur.

IN WITNESS where of both the parties hereto have signed and sealed this MOU the day, months and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY

For Godawari Power and Ispat Ltd.

Executive Director

Witness:



Name: U.M. Mohanty
Address: GPIL, Siltara
Raipur (C.G.).

For Hari Sankar Kumbhakar Bricks Manufacturing

हरिसंकर कुम्भकार
ब्रिक्स मैन्युफैचरिंग
सिल्टारा
रायपुर
4.57 ई.

26/12/1999

Name: R.K. Roy
address: GPIL, Siltara
Raipur (C.G.)

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

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Solid Waste Generation and Utilization Details

Financial Year 2021- 22

SN	Solid Waste	Generation (MT)	Utilization (MT)			Remarks
			Supply To Cement Plant	Supply to Brick Manufacturing	Utilization for Filling of low lying area	
1	Fly Ash	57973	Nil	57973	Nil	Utilized by brick manufacturing
2	Tailing	306283.46	Nil	Nil	306283.46	Utilized after NOC of concern user - NOCs/Agreement are attached
3	Ash (Sinder)	77694.75	Nil	Nil	77694.75	
4	ESP Dust	88545.605	Nil	10873.952	77671.653	

Financial Year 2022- 23

SN	Solid Waste	Generation (MT)	Utilization (MT)			Remarks
			Supply To Cement Plant	Supply to Brick Manufacturing	Utilization for Filling of low lying area	
1	Fly Ash	42906	Nil	42906	Nil	Utilized by brick manufacturing
2	Tailing	426686.01	Nil	Nil	426686.01	Utilized after NOC of concern user - NOCs/Agreement are attached
3	Ash (Sinder)	75655.6	Nil	Nil	75655.6	
4	ESP Dust	91557.85	Nil	32084.92	59472.93	

Saya



**MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD, SILTARA, RAIPUR,
(CHHATTISGARH)**

This Memorandum of understanding for utilization of Fly Ash is made on 1st day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no 428/2, Phase – 1 Industrial area, Siltara – 493111, Dist.- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors – in interest and permitted assigns) of the one part.

Gopal Pade Brick Manufacturing AND having its manufacturing unit at Village – Albaras, Dist.-Durg Chhattisgarh (hereinafter referred to as GPBMU which expression shall unless repugnant to the context or meaning thereof, include its successors – in – interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist.- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. GPBMU will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara, Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to GPBMU be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generations at Siltara, Raipur.
2. Quantity of brick : GPBMU has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 30,94,000 Numbers/ Year (Thirty Lac Ninety Four Thousand Numbers per year)



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN 127106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com



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GODAWARI POWER & ISPAT



3. Services from GPIL: GPIL shall provide all necessary assistance in terms of making adequate arrangement for collection and loading into your vehicles.
4. Compensation: GPIL and GPBMU shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long term basis.
5. This document is intended to record the broad area of in-principle agreement between GPBMU and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long term basis. This does not constitute a binding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, it will do so only with prior intimation to GPBMU.

All legal proceeding in connection with this MOU shall be subject to territorial Jurisdiction of civil courts at Raipur.

IN WITNESS where of both the parties hereto have signed and sealed this MOU the day, months and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY

For Godawari Power and Ispat Ltd.

Executive Director

For Gopal Pade Bricks
Manufacturing
Siltara, Raipur

Witness:

1.

Name: U.M. Mohant
Address: GPIL
Siltara, Raipur
CG.



2.

Name: R. S. Singh
address: GPIL, Siltara
Raipur (C-4)

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 42B/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

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MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD. SILTARA, RAIPUR,
(CHHATTISGARH)

This Memorandum of understanding for utilization of Fly Ash is made on 1st day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no 428/2, Phase - 1 Industrial area, Siltara - 493111, Dist.- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors - in interest and permitted assigns) of the one part.

Rajesh pade Brick Manufacturing AND having its manufacturing unit at Village - Nankathi, Dist.-Durg Chhattisgarh (hereinafter referred to as RPBM which expression shall unless repugnant to the context or meaning thereof, include its successors - in - interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist.- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. RPBM will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara, Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to RPBM be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generation at Siltara, Raipur.
2. Quantity of brick : RPBM has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 56,00,000 Numbers/ Year (Fifty Six Lac Numbers per year)



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

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GODAWARI POWER & ISPAT



3. Services from GPIL: GPIL shall provide or necessary assistant in term of making adequate arrangement for collection and loading into your vehicles.
4. Compensation: GPIL and RPBW shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long terms basis.
5. This document is intended to record the broad area of in-principle agreement between RPBW and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long terms basis. This does not constitute a binding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, is will do so only with prior intimation to RPBW.

All legal proceeding in connection with this MOU shall be subject to territorial jurisdiction of civil courts at Raipur.

IR WITNESS were of both the parties hereto have signed and sealed this MOU the day, months and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY

For Godawari Power and Ispat Ltd.

Executive Director

For Rajesh Pade Brick Manufacturing

Witness:

1.
 Name: U.M. Mohant
 Address: GPIL
 Siltara, Raipur.
 (C.G.)

2.
 Name: R. U. Dey
 address: GPIL, Siltara
 Raipur (C.G.)

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
 CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India
 P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India
 P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com



**MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD, SILTARA, RAIPUR,
(CHHATTISGARH)**

This Memorandum of understanding for utilization of Fly Ash is made on 1st day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no-428/2, Phase – 1 Industrial area, Siltara – 493111, Dist.- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors – in interest and permitted assigns) of the one part.

Digesh Brick Manufacturing AND having its manufacturing unit at Village – Nankathi, Dist.-Durg Chhattisgarh (hereinafter referred to as DB which expression shall unless repugnant to the context or meaning thereof, include its successors – in – interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist.- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. DB will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara,Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to DB be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generations at Siltara, Raipur.
2. Quantity of brick : DB has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 80,00,000 Numbers/ Year (Eighty Lac Numbers per year)



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013755

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com



HIRA

GODAWARI POWER & ISPAT



3. **Services from GPIL:** GPIL shall provide all necessary assistant in terms of making adequate arrangement for collection and loading into your vehicles.
4. **Compensation:** GPIL and DB shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long term basis.
5. This document is intended to record the broad area of in-principle agreement between DB and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long term basis. This does not constitute a binding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, it will do so only with prior intimation to DB.

All legal proceeding in connection with this MOU shall be subject to territorial Jurisdiction of civil courts at Raipur.

IN WITNESS where of both the parties hereto have signed and sealed this MOU the day, month and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY:

For Godawari Power and Ispat Ltd.

Executive Director

Witness:

Name: U. M. Mohanty
Address: GPIL, Siltara
Raipur (C.G.)



For Dipesh Brick Manufacturing

हरिश्चंकर सुंभवकार
मिस्टर (इंज.)

2. 20/12/15 to 20/12/2017

Name: R. K. Roy
address: GPIL, Siltara
Raipur (C.G.)

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India
P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India
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HIRA

GODAWARI POWER & ISPAT



MEMORANDUM OF UNDERSTANDING (MOU) FOR FLY ASH UTILIZATION/
DISPOSAL FROM GODAWARI POWER AND ISPAT LTD. SILTARA, RAIPUR,
(CHHATTISGARH)

This Memorandum of understanding for utilization of Fly Ash is made on 1st day of June, 2022 between GODAWARI POWER AND ISPAT LTD, A HIRA GROUP COMPANY, having its registered office at plot no 428/2, Phase – 1 Industrial area, Siltara – 493111, Dist- Raipur Chhattisgarh through its Executive Director Mr. Abhishek Agrwal, (herein after referred to GPIL which expression shall, Unless repugnant to the context of meaning there off, include its successors – in interest and permitted assigns) of the one part.

Hari Sankar Kumbhkar Brick Manufacturing AND having its manufacturing unit at Village – Albaras, Dist- Durg Chhattisgarh (hereinafter referred to as HSKBMU which expression shall unless repugnant to the context or meaning thereof, include its successors – in – interest and and permitted assigns) of the one part.

WHEREAS

- A. GPIL is operating a captive power Plant in Siltara, Dist- Raipur, Chhattisgarh (hereinafter referred to as GPIL Plant or Plant) Fly Ash is a waste Product and is generated during the course of its operation.
- B. HSKBMU will utilize Fly Ash for the manufacturing of Bricks as per standard specifications.
- C. GPIL is desirous of disposing off the said Fly Ash in an environment friendly manner at Siltara, Raipur.
- D. It is therefore fit, expedient and proper that the terms and conditions governing the supply of waste-product of GPIL (Fly Ash) to HSKBMU be recorded in the manner detailed below.

NOW THEREFORE THESE PRESENT WITNESSETH AS FOLLOWS:

1. Generation: GPIL has 73 MW Captive Power generations at Siltara, Raipur.
2. Quantity of brick : HSKBMU has agreed to use the fly ash being generated from the aforesaid power plant of GPIL to manufacture 31,00,000 Numbers/ Year(Thirty one Lac Numbers per year)



Godawari Power & Ispat Limited

As ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India

P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com

- Services from GPIL: GPIL shall provide all necessary assistance in terms of making adequate arrangement for collection and loading into your vehicles.
- Compensation: GPIL and HSKBMU shall mutually decide the terms and conditions of compensation at the time of signing the definitive agreements governing the supply and disposal of material on long term basis.
- This document is intended to record the broad area of in principle agreement between HSKBMU and GPIL before the conclusion of definitive agreement governing the supply and disposal of Fly Ash on a long term basis. This does not constitute a binding agreement or obligation upon either party for supply or lifting of Fly Ash. However, during pendency of this MOU if GPIL wants to enter into agreement with other parties, it will do so only with prior intimation to HSKBMU.

All legal proceeding in connection with this MOU shall be subject to territorial jurisdiction of civil courts at Raipur.

IN WITNESS where of both the parties hereto have signed and sealed this MOU the day, months and the year as herein above written.

SIGNED, SEALED, AND DELIVERED BY

For Godawari Power and Ispat Ltd.

Executive Director

Witness:



Name: U.M. Mohanti
Address: GPIL, Sillara
Raipur (C.G.)

For Hari Sankar Kumbhakar Bricks
Manufacturing

हरि संकर कुम्भकार ब्रिक्स
मैफैक्टरिंग

रायपुर (C.G.)

4, 57 E.

26/12/2018

Name: Hari Sankar Kumbhakar
address: GPIL, Sillara
Raipur (C.G.)

Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 428/2, Phase 1, Industrial Area, Sillara, Raipur - 493111, Chhattisgarh, India
P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India
P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com

कार्यालय ग्राम पंचायत साकरा

ससंपं :
श्रीमती बर्षा प्रमोद शर्मा
मो : 9826860008

विकास खण्ड-भरसीवा, जिला-रायपुर (छ.ग.)

उपसरपं
श्री मनोज सायतोड़े
मो : 9009397000

संचालक :
*
श्रीमती भानमती यादव
*
श्री प्रमोद कुमार शर्मा
*
श्रीमती हेमलता साहू
*
श्री नोहर धीवर
*
श्रीमती शांता साहू
*
श्रीमती वीपिका साहू
*
श्रीमती कामिन बाई मनहर
*
श्री राजेश मनहर
*
श्रीमती भानमती बघेल
*
श्रीमती श्यामकुमारी
*
श्रीमती नितू साहू
*
श्री कोमल कुमार डहरिया
*
श्रीमती उर्मिला साहू
*
श्री रामप्रसाद यादव
*
श्रीमती रुखमणी भारती
*
श्री वीनानाथ सायतोड़े
*
श्री शिवचरण नवरंगे
*
श्रीमती शारदा बाई बंजारे
*
श्रीमती सरस्वती वर्मा

क्रमांक : ९/पंच/२०२०-२०२१-२२

दिनांक २३/१/२१

प्रति,

मेसर्स गोदावरी पावर एण्ड इस्पात लिमिटेड,
प्लॉट क्र. 428/2, फेस - 1, औद्योगिक क्षेत्र,
सिलतरा, रायपुर 493 111 (छ.ग.)

आज दिनांक 23.09.2021 को ग्राम पंचायत साकरा के सभाकक्ष में मेसर्स - गोदावरी पावर एण्ड इस्पात लिमिटेड, सिलतरा को शमसान घाट एवं उससे लगी शासकीय भूमि (छत्तीसगढ़ शासन उद्योग विभाग, रायपुर द्वारा प्रदत्त) को वेस्ट मटेरियल/डस्ट फिलिंग कर समतलीकरण बाबत प्रस्ताव क्र. 04 दिनांक 26.09.2021 के तहत अनुबंध करार कर अनापत्ति प्रमाण पत्र दिया जाता है। निम्नकी शर्तों निम्नानुसार होगी -

(1) यह कि, पंचायत की शमसान घाट भूमि खसरा क्र. क्रमशः 66/5, 66/6, 70, 71/2, 75/1, 75/2, 75/3, 76/1, 76/2 कुल रकबा 2.830 हेक्टेयर एवं उससे लगी शासकीय भूमि (छत्तीसगढ़ शासन उद्योग विभाग, रायपुर द्वारा प्रदत्त) खसरा क्र. क्रमशः 82 का भाग, 83, 84 का भाग, 85, 86/1, 95/1 का भाग, 95/2 का भाग, 99/1 का भाग, 99/2 का भाग, 102 का भाग, 103/2 का भाग, 103/3 का भाग, 104, 105/1, 107/1, 106/1, 106/2, 107/2, 107/3, 108/1, 109/1, 109/2, 110, शामिल खसरा क्र. 112/1 का कुल रकबा 9.361 हेक्टेयर अर्थात् दोनों मिलाकर कुल रकबा 29.62 एकड़ भूमि पर फिलिंग एवं डोजिंग कर मिट्टी/स्लेट चुरा से समतलीकरण करना होगा।

(2) यह कि, वृक्षारोपण एवं सौंदर्यीकरण का कार्य भूमि खसरा क्र. क्रमशः 66/5, 66/6, 70, 71/2, 75/1, 75/2, 75/3, 76/1, 76/2 रकबा 2.830 हे. में प्राथमिकता के आधार पर करना होगा। एवं संयंत्र द्वारा किये जाने वाले वृक्षारोपण एवं सौंदर्यीकरण का देखभाल सिर्फ और सिर्फ संयंत्र द्वारा छः माह तक किया जायेगा तत्पश्चात् पंचायत की जिम्मेदारी होगी।

(3) यह कि, 500 मीटर तक खण्डे एवं फेंसिंग का कार्य शमसान घाट भूमि में किया जाना होगा।

(4) यह कि, शमसान घाट पर पोल एवं स्ट्रीट लाईट की व्यवस्था किया जाना होगा।

(5) यह कि गर्मी के मौसम में अर्थात् छः माह तक पानी का छिड़काव सिर्फ शमसान घाट में किया जाना होगा ताकि धूल न उड़े जिसकी जवाबदारी संयंत्र की होगी।

कार्यालय ग्राम पंचायत सांकिया

सम्बंध :
श्रीमती वर्षा प्रमोद शर्मा
मो. : 9826880009

विकास खण्ड-धरसीक, जिला-रायपुर (छ.ग.)

उपसम्बंध :
श्री मनोज सायतोड़े
मो. : 9009397000

घटनाक्रम :

क्रमांक : _____

दिनांक 23/7/23

- ★ श्रीमती भानमती यादव
- ★ श्री प्रमोद कुमार शर्मा
- ★ श्रीमती हेमलता साहू
- ★ श्री नोहर धीवर
- ★ श्रीमती शांता साहू
- ★ श्रीमती दीपिका साहू
- ★ श्रीमती कामिन बाई मनहर
- ★ श्री राजेश मनहर
- ★ श्रीमती भानमती बघेल
- ★ श्रीमती श्यामकुमारी
- ★ श्रीमती नितू साहू
- ★ श्री कोमल कुमार इहरिया
- ★ श्रीमती उर्मिला साहू
- ★ श्री रामप्रसाद यादव
- ★ श्रीमती रुखमणी भारती
- ★ श्री दीनानाथ सायतोड़े
- ★ श्री शिवचरण नवरंगे
- ★ श्रीमती शारदा बाई बंजारे
- ★ श्रीमती सरस्वती वर्मा

(6) यह कि राजबुडा सालान में 25 मीटर लंबाई तक पथरी का निर्माण किया जाना है।
अतः अनापत्ति प्रमाण पत्र इसी कार्य के आसार पर दिया जायेगा
अनापत्ति प्रमाण पत्र आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्न सहपत्र (मूल प्रतिलिपी) - (1) पंचायत प्रस्ताव (2) खसरा (3) नक्शा।

mdu
उप-सम्बंध
ग्राम पंचायत सांकिया
खण्ड-धरसीक (छ.ग.)

[Signature]
ग्राम पंचायत सांकिया (निर्वाहक)
खण्ड-धरसीक (छ.ग.)

[Signature]
उपसम्बंध,
ग्राम पंचायत सांकिया,
खण्ड-धरसीक (छ.ग.)



कार्यालय ग्राम पंचायत – साकरा, वि.ख. – धरसीवां, तह. व जिला – रायपुर (छ.ग.)

बैठक कार्यवाही की विवरण


बैठक दिनांक: 20.09.2021

बैठक का स्थान: ग्रा.पंचा. भवन साकरा, प्र.क्र. 04

बैठक का समय : दोपहर 12.30 बजे

क्र.	उपस्थित पंचों के नाम	विषय	बैठक की कार्यवाही का संक्षिप्त विवरण	प्रस्ताव जो पास हुआ	पंचों के हस्ताक्षर
1	श्रीमती चर्चा शर्मा (सरपंच)	प्रस्ताव क्र. 04	उपस्थित सदस्यों के द्वारा यह निर्णय लिया गया कि	प्रस्ताव सर्वसम्मति से	सही
2	श्री मनोज सायतोंडे (उपसरपंच)	मेसर्स गोदावरी	ग्राम पंचायत साकरा, प.ह.न. 24 रा.नि.मं. धरसीवां में स्थित	पारित किया गया।	
3	श्री प्रमोद शर्मा	पावर एण्ड इस्पात	भूमि को मेसर्स गोदावरी पावर एण्ड इस्पात लिमिटेड,		
4	श्री नोहर धीवर	लिमिटेड, सिलतरा	सिलतरा को हमसान घाट एवं उससे लगी शासकीय भूमि		
5	श्री रामप्रसाद यादव	को हमसान घाट एवं	(छत्तीसगढ़ शासन उद्योग विभाग, रायपुर द्वारा प्रदत्त)		
6	श्री दीनानाथ सायतोंडे	उससे लगी शासकीय	को वेस्ट मटेरियल/डस्ट फिलिंग कर समतलीकरण		
7	श्री राजेश मन्हर	भूमि (छत्तीसगढ़ शासन	बाबत प्रस्ताव क्र. 04 बैठक दिनांक 20.09.2021 के		
8	श्री शिवचरण नयरंगे	उद्योग विभाग, रायपुर	तहत अनुबंध करार कर अनापत्ति प्रमाण पत्र दिया जाता		
9	श्री कोमल उहरिया	द्वारा प्रदत्त) को वेस्ट	है। जिनकी शर्त निम्नानुसार होगी -		
10	श्रीमती श्याम कुमारी	मटेरियल/डस्ट फिलिंग	(1) यह कि, पंचायत की हमसान घाट भूमि खसरा क्र.		
11	श्रीमती कामिन मन्हर	कर समतलीकरण	क्रमशः 86/5, 86/6, 70, 71/2, 75/1, 75/2,		
12	श्रीमती शांता साहू	बाबत।	75/3, 76/1, 76/2 कुल रकबा 2.630 हेक्टेयर एवं		
13	श्रीमती उर्मिला साहू		उससे लगी शासकीय भूमि (छत्तीसगढ़ शासन		
14	श्रीमती सरस्वती वर्मा		उद्योग विभाग, रायपुर द्वारा प्रदत्त)		
15	श्रीमती सुखगनी भारती		खसरा क्र. क्रमशः 82 का भाग, 83, 84 का भाग, 85,		
			86/1, 86/1 का भाग, 95/2 का भाग, 99/1 का भाग		
			99/2 का भाग, 102 का भाग, 103/2 का भाग, 103/3		
			का भाग 104, 105/1, 107/1, 108/1, 106/2,		
			107/2, 107/3, 108/1 109/1, 109/2, 110,		
			शामिल खसरा क्र. 112/1 ख कुल रकबा 9.361 हेक्टेयर		
					सही


 सरपंच (सि.क्र.04)
 ग्राम पंचायत – साकरा


 सरपंच साकरा,
 ग्राम पंचायत – साकरा


 सरपंच साकरा,
 ग्राम पंचायत – साकरा



कार्यालय ग्राम पंचायत – साकरा, वि.ख. – धरसीवां, तह. व जिला – रायपुर (छ.ग.)

बैठक कार्यवाही की विवरण

बैठक दिनांक: 20.09.2021

बैठक का स्थान: ग्रा.पंचा. मदन साकरा, प्र.क्र. 04

बैठक का समय : दोपहर 12.30 बजे

क्र.	उपस्थित पंचों के नाम	विषय	बैठक की कार्यवाही का संक्षिप्त विवरण	प्रस्ताव जो पास हुआ	पंचों के हस्ताक्षर
1	श्रीमती वर्षा शर्मा (सरपंच)		अर्थात् दोनों मिलाकर कुल रकबा 29.62 एकड़ भूमि पर		सही
2	श्री मनोज सायतोंडे (उपसरपंच)		फिलिंग एवं ड्रेजिंग कर गिट्टी/रस्तेग घुरा से		
3	श्री प्रमोद शर्मा		समतलीकरण करना होगा।		
4	श्री नोहर धीवर				
5	श्री रामप्रसाद यादव		(2) यह कि, वृक्षारोपण एवं सौंदर्यीकरण का कार्य भूमि		
6	श्री दीना सायतोंडे		खसरा क्र. क्रमशः क्रमशः 66/5, 66/6, 70, 71/2,		
7	श्री राजेश मनहर		75/1, 75/2, 75/3, 76/1, 76/2 रकबा 2.830 हे.		
8	श्री शिवचरण नवरंगे		में प्राथमिकता के आधार पर		
9	श्री कोमल डहरिया		करना होगा। एवं संयंत्र द्वारा किये जाने वाले वृक्षारोपण		
10	श्रीमती रयाम कुमारी		एवं सौंदर्यीकरण का देखभाल सिर्फ और सिर्फ संयंत्र		
11	श्रीमती कामिन मनहर		द्वारा छः माह तक किया जायेगा तत्पश्चात् पंचायत की		
12	श्रीमती शांता साहू		जिम्मेदारी होगी।		
13	श्रीमती उर्मिला साहू				
14	श्रीमती सरस्वती वर्मा		(3) यह कि, 500 मीटर तक खम्भे एवं फँसिंग का कार्य		
15	श्रीमती रुखमनी भारती		रमसान घाट भूमि में किया जाना होगा।		
			(4) यह कि, रमसान घाट पर पोल एवं स्ट्रीट लाईट की		
			व्यवस्था किया जाना होगा।		
			(5) यह कि, गर्मी के मौसम में अर्थात् छः माह तक पानी		
			का छिड़काव सिर्फ रमसान घाट में किया जाना होगा		
			ताकि धूल न उठे जिसकी जवाबदारी संयंत्र की होगी।		सही

सचिव
ग्राम पंचायत – साकरा

सरपंच
ग्राम पंचायत – साकरा

उपसरपंच
ग्राम पंचायत – साकरा

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कार्यालय ग्राम पंचायत – साकरा, वि.ख. – धरसीवां, तह. व जिला – रायपुर (छ.ग.)

बैठक कार्यवाही की विवरण

बैठक दिनांक: 20.09.2021

बैठक का स्थान: ग्रा.पंचा. भवन साकरा, प्र.क्र. 04

बैठक का समय : दोपहर 12.30 बजे

क्र.	उपस्थित पंचों के नाम	विषय	बैठक की कार्यवाही का संक्षिप्त विवरण	प्रस्ताव जो पास हुआ	पंचों के हस्ताक्षर
1	श्रीमती वर्षा शर्मा (सरपंच)		(B) यह कि रजयुद्ध तालाब में 25 मीटर लंबाई तक		सही
2	श्री मनोज सायतौड़े (उपसरपंच)		पचरी का निर्माण किया जाना है।		
3	श्री प्रमोद शर्मा				
4	श्री नोहर धीवर				
5	श्री रामप्रसाद यादव				
6	श्री दीना सायतौड़े				
7	श्री राजेश मनहर				
8	श्री शिवचरण नधरने				
9	श्री कोमल ऊडरिया				
10	श्रीमती श्याम कुमारी				
11	श्रीमती कामिन मनहर				
12	श्रीमती शांता साहू				
13	श्रीमती उर्मिला साहू				
14	श्रीमती सरस्वती वर्मा				
15	श्रीमती रुखमनी भारती				

सचिव
ग्राम पंचायत – साकरा

सरपंच
ग्राम पंचायत – साकरा

उपसरपंच
ग्राम पंचायत – साकरा

20/9/21

1/2/22



प्रतिलिपि नवल नवरा
 ग्राम - सांठरा
 पकडनठ - २५
 खानिनठ - धनेली १९
 नठ - रावड
 धिपला - रावड
 वर्ष १९१५-१६
 क्षेत्र - १/५
 कावड रावड

१/५
 पावडी
 १/५
 कावड - रावड



छत्तीसगढ़ स्टेट हण्डलरिड्यूयस डेवलपमेंट कार्पोरेशन लिमिटेड

(सिपसीयू) ब्रांड का एक संस्थान)

2004 एच. एम. एन. डी. ए. के. 2004 - 2005, राजपुर-राजपुर, छत्तीसगढ़ की कानून नं. 2004, 2005-06

Website: www.esdc.in Email address: esdc@esdc.in esdc_raipur@esdc.in

PAN : AABCM6238N, ST Regn No. AABCM6238NSD004

क्रमांक : सीएसआईडीसी/भू-अर्जन/15/ 1584 रायपुर दिनांक 22/05/2015

प्रति,

शरणाथ,
ग्राम पंचायत सांकरा,
जिला रायपुर (छत्तीसगढ़)

विषय :- ग्राम पंचायत सांकरा को वापस की गई भूमि का राजस्व अभिलेख में दर्ज कराने
उपलब्ध कराने विषयक ।


संदर्भ :- आपका पत्र दिनांक 20-04-2015

महोदय,

विषयसंबंधित एवं संदर्भित पत्र के तारतम्य में लेख है कि, ग्राम सांकरा के निरस्त
हुए छोड़ी गई भूमि (संलग्न सूची) कुल खसरा 20 कुल रकबा 9.30 हेक्टेयर में से संलग्न
खसरा नक्शों में लाल रंग से चिह्नित भूमि ग्राम पंचायत सांकरा के निरस्त हुए छोड़ी गई
है। उक्त भूमि का सीमांकन एवं राजस्व अभिलेखों में ग्राम पंचायत सांकरा का नाम दर्ज
करवाने इस कार्यालय को अनिवार्य रूप से अद्यतन कराने का कष्ट करें ।

धन्यवाद,

नमस्कार,




प्रबंधक (भू-अर्जन)

पृ. क्रमांक : सीएसआईडीसी/भू-अर्जन/15/

रायपुर, दिनांक /05/2015

प्रतिलिपि :-

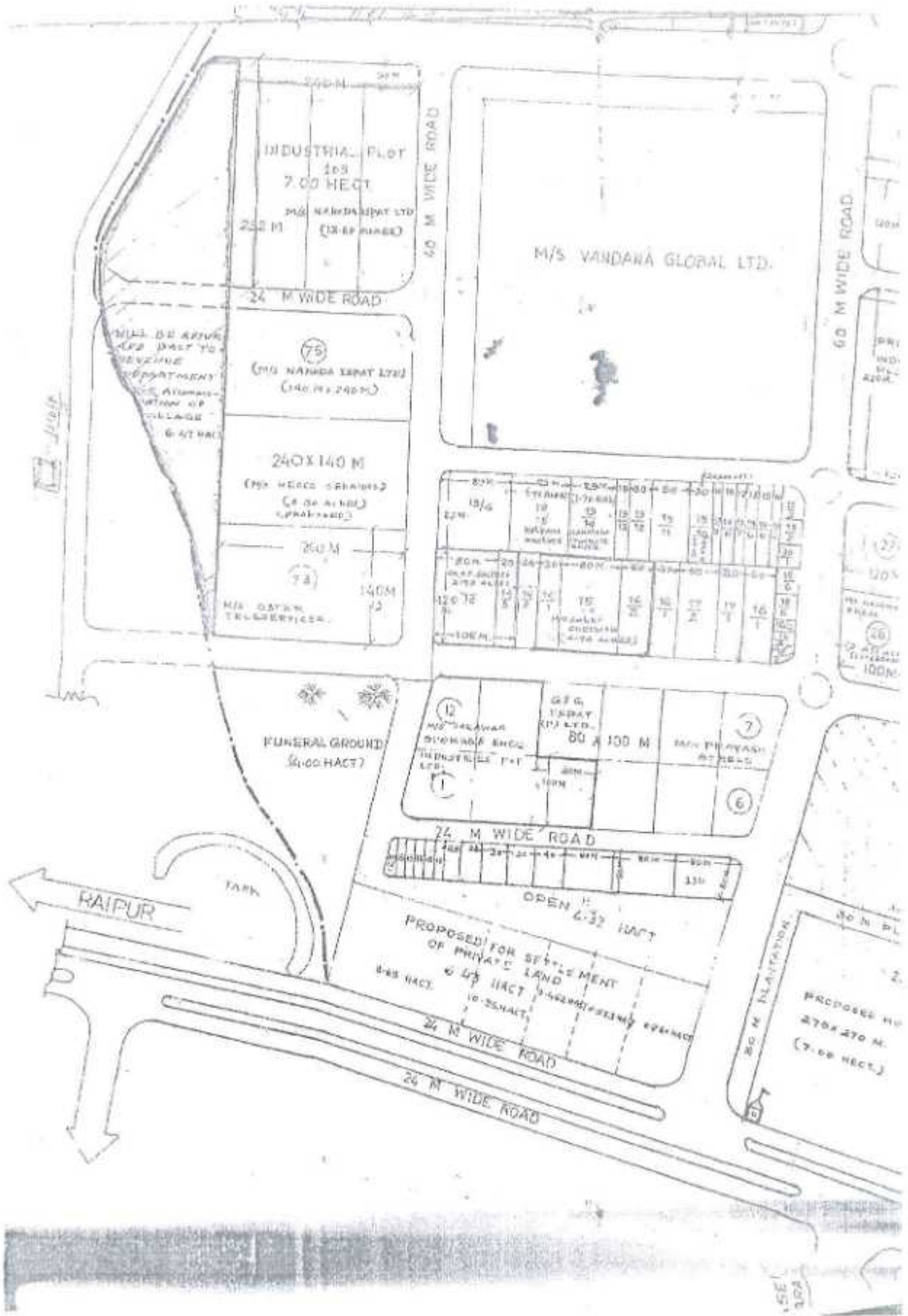
1. मुख्य महाप्रबंधक, जिला व्यापार एवं उद्योग केन्द्र, रायपुर की ओर सूचनाएं ।
2. तहसीलदार, धरसीवा, जिला रायपुर को ओर सूचनाएं एवं आवश्यक कार्रवाई हेतु ।


प्रबंधक (भू-अर्जन)

औद्योगिक क्षेत्र सिलतारा की स्थापना हेतु अधिग्रहित की गई निम्नी भूमि में से
 ग्राम सतकवा, प.ह.नं. 88 खनिगं, बरसीवा,
 उच्चभौल व जिला रायपुर के निस्कार हेतु छोड़ी गई निम्न में आदिवास की भूमि की
 जानकारी

क्रमांक	अवार्ड क्रमांक	खसरा नम्बर	कुल रकबा (है. मं)	टिप्पणियाँ
1.	64	82 का भाग	0.660	संलग्न खसरे नक्शों में लाल रंग से चिह्नित भूमि ग्राम पंचायत सतकवा हेतु छोड़ी गई है, निस्कार सीमांकन बनाकर, ग्राम पंचायत सतकवा व ग्राम राय कनादे।
2.	54	83, 84 का भाग	0.866	
3.	17	85, 86/1	0.405	
4.	79	96/1 का भाग	0.332	
5.	47	96/2 का भाग	0.405	
6.	103	99/1 का भाग	1.146	
7.	47	99/2 का भाग	0.849	
8.	99	102 का भाग	0.979	
9.	73	103/2 का भाग	0.267	
10.	73	103/3 का भाग	0.243	
11.	95	104	1.323	
12.	76	105/1 107/1	0.450	
13.	63	106/1	0.097	
14.	3	106/2	0.101	
15.	38	107/2	0.040	
16.	38	107/3	0.085	
17.	76	108/1	0.384	
18.	66	109/1	0.243	
19.	44	109/2	0.166	
20.	71	110 112/ख	0.320	
योग -		कुल खसरा-20	9.361	







संस्था

ग्रामपालिका-धरलीवा, जिला रायपुर (छ.प्र.)



उपसचिव

वि.सं. २३३-२३४

पौ. १००४११,२०११

क्र. २३३/२३३११, २३३११-२३३११

संबंधित :

दिनांक

दिनांक 29.08.2021

श्री मोहन साहू

प्रति,

श्रीमती मीना साहू

संचालक महोदय,
गौदावरी पावर एण्ड इस्पात लिमिटेड,
सिलतारा, जिला - रायपुर (छ.प्र.)

श्रीमती राधिका साहू

विषय : ग्राम पंचायत टांडा द्वारा प्रदत्त अनापत्ति प्रमाण पत्र दिनांक 25.07.2016, खसरा क्र. 234 रकबा 2.28 एकड़ में से 1.00 एकड़ भूमि में वृक्षारोपण कार्य पूर्ण करने बाबत।

श्री शंकरा चावण

महोदय,

श्री मोरेश साहू

श्रीमती श्यामाकाई साहू

विषयान्तर्गत लेख है कि हमारे ग्राम पंचायत टांडा द्वारा पूर्व में दिनांक 25.07.2016 को ग्राम पंचायत का शासकीय भूमि जिसका खसरा क्र. 234 रकबा 2.28 एकड़ को बढ़ा कराव, समतलीकरण तत्पश्चात् वृक्षारोपण हेतु अनापत्ति प्रमाण पत्र प्रदान किया गया था। चूंकि 1.00 एकड़ भूमि में पूर्णतः से भू-कराव व समतलीकरण का कार्य पूर्ण हो चुकी है आगे इस भूमि पर इस मानसून सत्र के अंत तक वृक्षारोपण कार्य पूर्ण करने की कृपा करें। इसकी पहले भी इससे लगी हुई भूमि खसरा क्र. 235 पर सुंदर ढंग से वृक्षारोपण किया गया है इसी भांति इस भूमि को भी हराभरा बनाये जाये।

श्रीमती पुष्पा साहू

आपके संस्थान द्वारा दिगत कई वर्षों से आसपास के रिक्त भूमि पर सघन वृक्षारोपण का कार्य किया जा रहा है यह पर्यावरण संरक्षण के क्षेत्र में सराहनीय कदम है।

श्रीमती महेश्वरी साहू

जैसे कि पूर्व में सपयोगिता के आधार पर आपके संस्थान द्वारा हमारे ग्राम पंचायत के बहुत से बेरोजगार युवाओं को रोजगार मुहैया कराया गया है इसी भांति भविष्य में रिक्तियाँ उपलब्ध होने पर हमारे और कुछ पढ़े लिखे युवाओं को भी रोजगार प्रदान करने की कृपा करेंगे।

श्रीमती ज्योत्सनाई साहू

श्री कमलनाथसाहू

श्री वेदप्रकाश हीरे

श्रीमती सतोषी सेन

आपके प्रबंधन द्वारा सामाजिक उत्तरदायित्व के तहत हमारे गाँव में विभिन्न प्रकार के विकास कार्य जैसे गाँव में पक्की सड़कों का निर्माण, शुद्ध पेयजल की आपूर्ति, तालाबों का गहरीकरण एवं सौन्दर्यीकरण, स्कूलों में अतिथी शिक्षकों का मानदेय में सहायता, अद्योसरचना विकास कार्य में सहयोग, खेल प्रोत्साहन इत्यादि कार्य किया जाता है इसी भांति इस वर्ष के लिए अनुमोदित कार्य को भी समय से पूर्ण किया जाये।

श्रीमती लक्ष्मीन मिर्झा

श्रीमती मुनिष्ठा साहू

धन्यवाद।


सरपंच

ग्राम पंचायत टांडा
वि.सं.-धरलीवा (रायपुर)

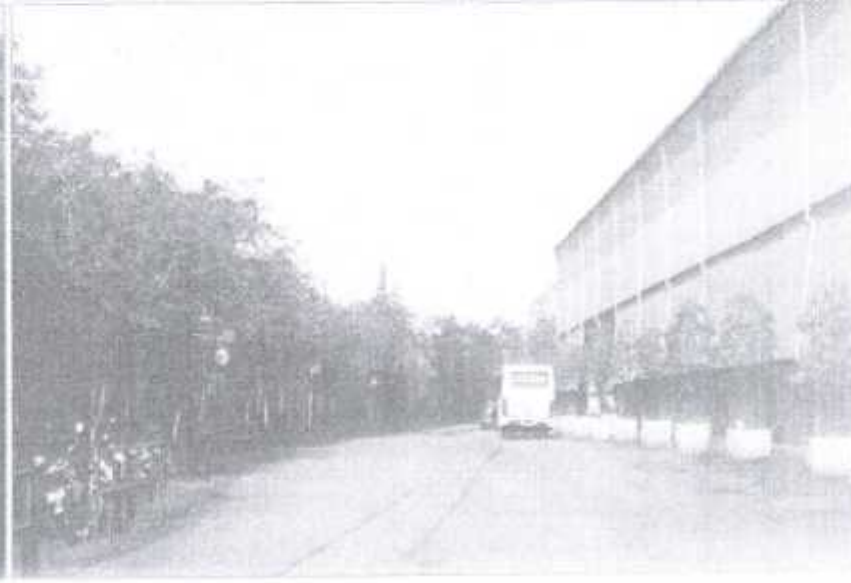
**PLANTATION DURING THE YEAR 2006 – 2023
BY M/S GODAWARI POWER & ISPAT LIMITED**

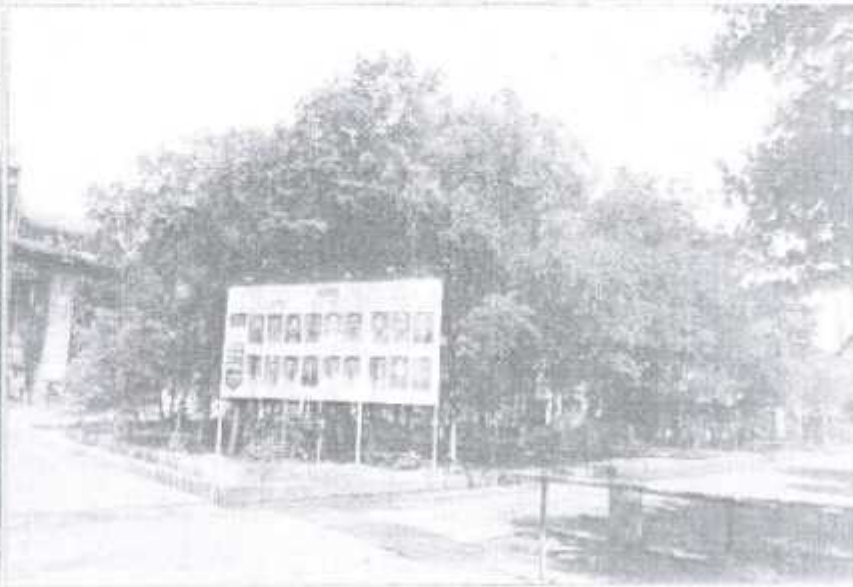
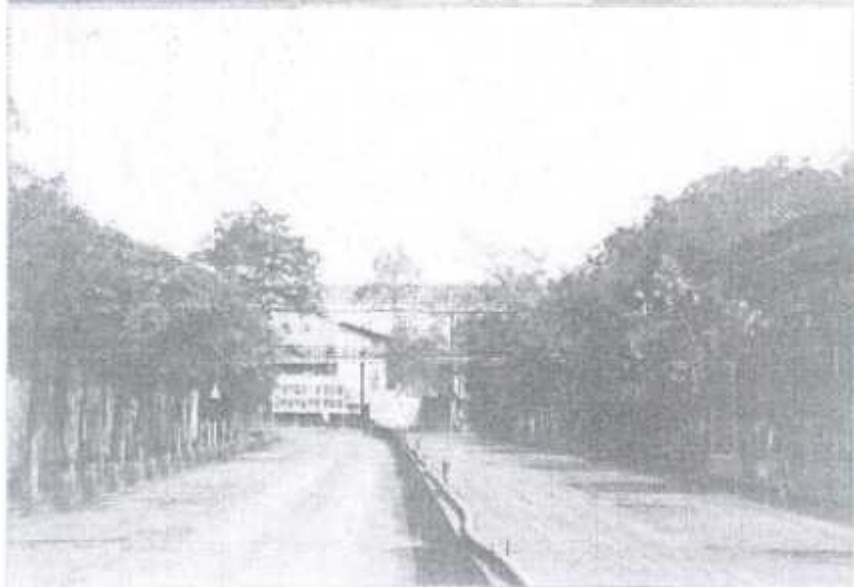
INSIDE			
YEAR	TOTAL LAND AREA	No. of Tree plantation	Area covered (Hectare)
2006-07	93.8259 Hectare	7000	2.84
2007-08		1166	0.4
2008-09		4813	1.95
2009-10		12761	5.17
2010-11		9460	3.83
2011-12		11229	4.55
2012-13		3150	1.28
2013-14		10474	4.25
2014-15		4511	1.83
2015-16		5475	2.22
2016-17		3400	1.38
2017-18		800	Same Area
2018-19		600	Same Area
2019-20		2000	Same Area
2020-21		3150	1.2625
2021-22		2100	Same Area
2022-23		2500	Same Area
TOTAL		76589	30.9725 ha.

OUTSIDE			
YEAR	No. of Tree plantation	Area covered (Hectare)	Remarks
2015-16	20000	16.18	75700 saplings covering an area of 50.73 Hac. which is developed within 5 km radius of GPIL premises as OXYZONE in Siltara Phase – I & Phase – II, industrial area.
2016-17	17000	16.18	
2017-18	7000	8.9	
2018-19	8000	Same Area	
2019-20	3200	Same Area	
2020-21	7000	6	
2021-22	8700	2.22	
2022-23	4800	1.25	
Total	60700	50.73 Hectare	

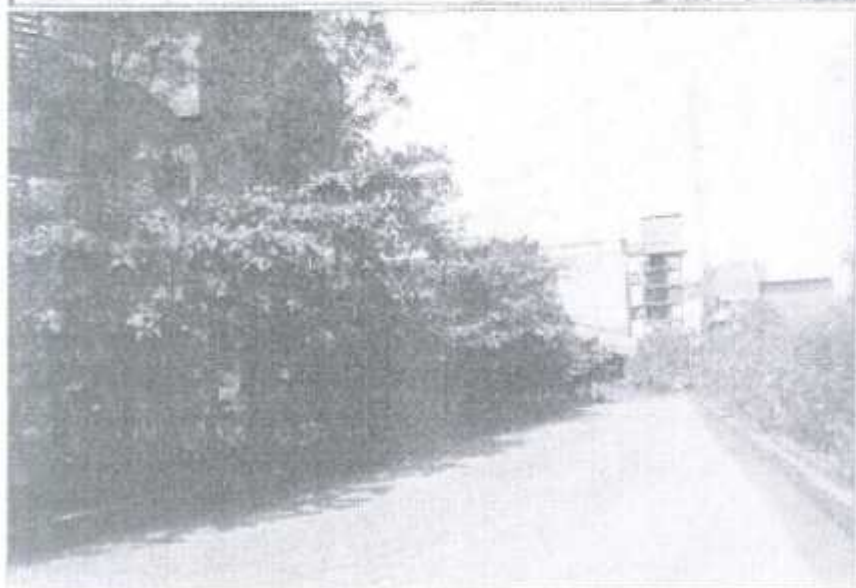
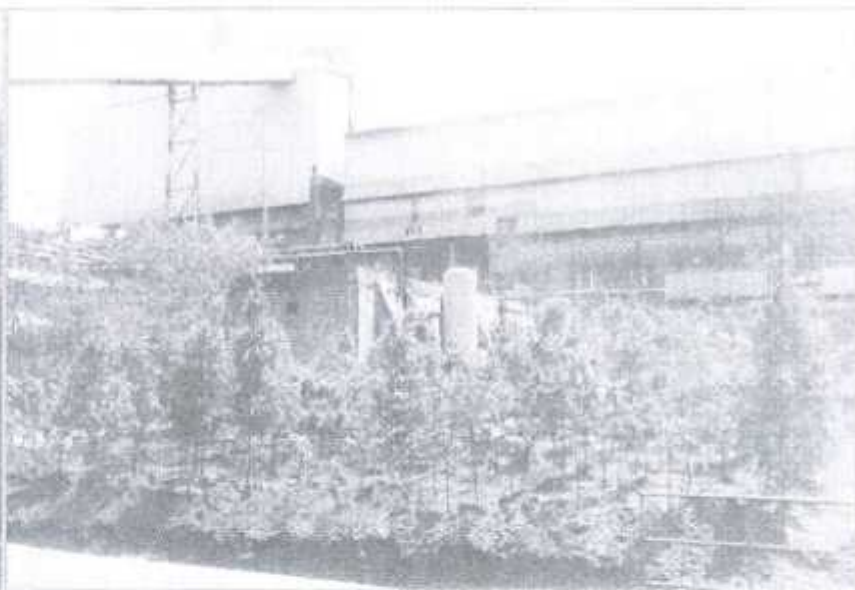
Update Report as on 31.03.2023

Amman V.I.











M.L. Tiwari

Retired Assistant Conservator of Forest
Panel Member of Plantation Evaluation Committee
House No. 338, Sundar Nagar, Raipur (C.G.) Mob. 9754013435

Doc. No.

Date... 06/03/2021

गोदावरी पावर एण्ड इस्पात लिमिटेड, सिलतरा रायपुर

// वृक्षारोपण क्षेत्र का मूल्यांकन प्रतिवेदन //

संयंत्र की जानकारी

संयंत्र स्थापना वर्ष	—	2001
रोपण कार्य प्रारंभ वर्ष	—	2006
संयंत्र का कुल भौगोलिक क्षेत्रफल	—	93.8259 हेक्टेयर
अधोसंरचना निर्मित क्षेत्रफल	—	18.5747 हेक्टेयर
संयंत्र प्रबंधन द्वारा रोपित क्षेत्रफल का विवरण :-		
संयंत्र परिसर के अंदर रोपित क्षेत्रफल	—	30.9625 हेक्टेयर
आक्सीजोन के अंतर्गत सिलतरा		
औद्योगिक क्षेत्र में रोपित क्षेत्रफल	—	47.34 हेक्टेयर
कुल रोपित क्षेत्रफल	—	78.3025 हेक्टेयर

मेरे द्वारा गोदावरी पावर एण्ड इस्पात लिमिटेड, सिलतरा, रायपुर द्वारा रोपित कराए गए पौधों का निरीक्षण दिनांक 24.01.2021 को किया गया।

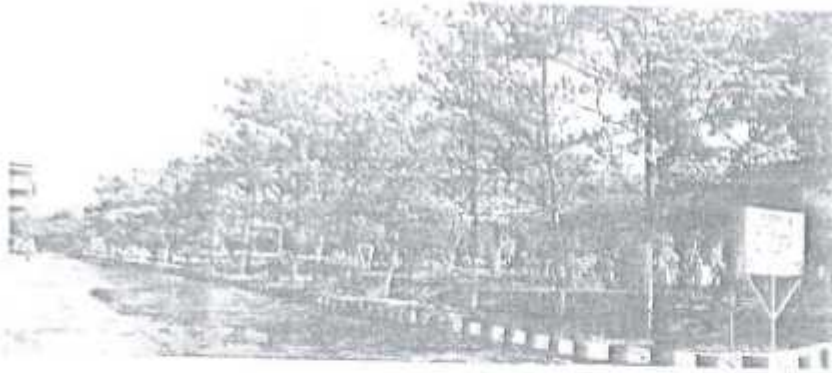
संयंत्र द्वारा वर्ष 2006 से प्रति वर्ष पौधारोपण का कार्य किया जा रहा है। संयंत्र प्रबंधन



के द्वारा किए गए पौधारोपण का निरीक्षण मेरे द्वारा वर्ष 2015 एवं वर्ष 2018 में भी किया गया था। तत्समय वर्ष 2006 से वर्ष

2015 तक लगभग 65000 पौधों का रोपण किया गया था। इन पौधों में कोरिया सेभिया, नीम, करंज, भीम, गुलमोहर, आम, बादाम, कटहल, जामुन, कदम आदि पौधों का रोपण किया गया था। इन पौधों की बाढ़ तथा जीवितता प्रतिशत संतोषप्रद है तथा पौधे वृक्ष का रूप ले चुके हैं।

इसी प्रकार वर्ष 2018 में आक्सीजोन सिलतरा सब स्टेशन क्षेत्र में भी साधन वृक्षारोपण

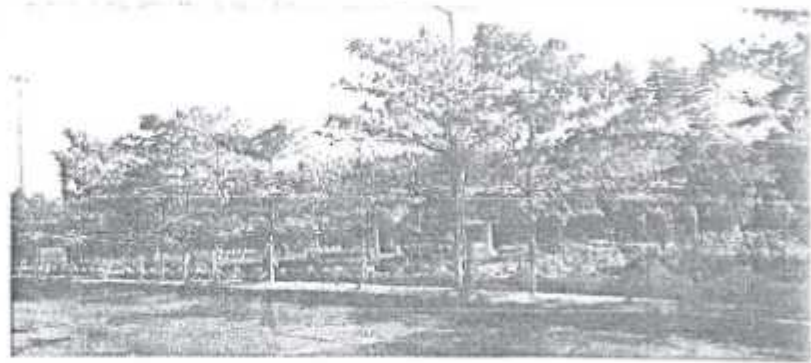


का कार्य चल रहा था। इन पौधों की जीवितता प्रतिशत तथा बाढ़ बहुत अच्छी है। परिसर के अंदर चारों ओर हरियाली दिखाई देती है तथा वातावरण बहुत अच्छा लगता है। संयंत्र प्रबंधन द्वारा वर्ष

2006 से लगातार पौधारोपण किया जा रहा है, जिससे संयंत्र परिसर के अंदर स्थल की उपलब्धता न्यून हो गयी है।

प्रबंधन द्वारा 33 प्रतिशत से अधिक क्षेत्र में वृक्षारोपण किया जा चुका है तथा पर्यावरणीय आवश्यकताओं की पूर्ति करता है। प्रबंधन द्वारा वृक्षारोपण में विशेष रुचि परिलक्षित होती है, यह इससे स्पष्ट होता है कि छत्तीसगढ़ स्टेट इण्डरिट्रियल डेवलपमेंट कॉर्पोरेशन लिमिटेड द्वारा आक्सीजोन हेतु सिलतरा फेस-1 एवं फेस-2 में संयंत्र को आवंटित किए गए क्षेत्र में प्रबंधन द्वारा लगातार वृक्षारोपण का कार्य किया गया है तथा रोपित पौधों में टपक सिंचाई पद्धति का उपयोग करते हुए सिंचाई की जा रही है। इस विधि से सिंचाई करने पर पौधों को लगातार पानी मिलने से पौधे काफी स्वस्थ तथा बड़े हो चुके हैं। इस आक्सीजोन में किए गए वृक्षारोपण को मिश्रित प्रजाति पौधों का सफल एवं उत्कृष्ट रोपण कहा जा सकता है।

संयंत्र प्रबंधन द्वारा भू-जल संरक्षण के मद्देनजर आक्सीजोन परिसर के अंदर तीन तालाबों का विकास भी किया गया है,



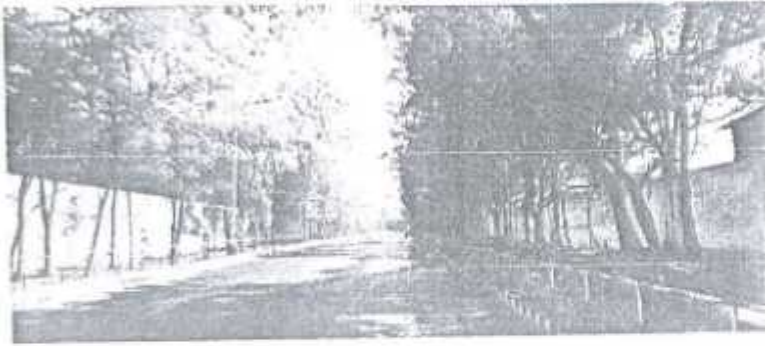
जिससे इस आक्सीजोन परिसर में भू-जलस्तर बना रहे। गर्मी के दिनों में तालाब का पानी सुखने ना पाए इस हेतु तालाबों में 6" के तीन बोर भी कराए गए हैं।

उपरोक्त रोपण क्षेत्रों के अतिरिक्त संयंत्र परिसर से लगे हुए क्षेत्रों के विभिन्न मार्गों में प्रबंधन द्वारा पौधारोपण का कार्य किया गया है। इन मार्गों में लगभग 45 कि.मी. लंबाई में 95 हजार मिश्रित प्रजाति के पौधों का रोपण किया गया है जिसमें से लगभग 65 से 80 प्रतिशत पौधे जीवित हैं तथा इनकी बाढ़ अच्छी है। कुछ मार्गों में लगाए गए पौधे मार्ग चौड़ीकरण के कारण नष्ट हो गए हैं।

संयंत्र की वर्गीकारी सुझाव के प्रति सज्जन रहते हैं, जिससे पौधों की स्थिति अच्छी है। संयंत्र परिसर के अंदर एवं संयंत्र परिसर के बाहर वर्तमान में कराए गए तथा पूर्व के वर्षों में कराए




गए पौधारोपण के कारण पूरी हरियाली छायी रहती है तथा वातावरण में बिलकुल प्रदूषण नहीं है। इससे यह विदित होता है कि प्रबंधन द्वारा पौधा रोपित करने में काफी रुचि लिया जाता है। संयंत्र



प्रबंधन द्वारा कराए गए वृक्षारोपण के अवलोकन से स्पष्ट होता है कि प्रबंधन द्वारा काफी मेहनत और लगन से वृक्षारोपण का कार्य किया गया है तथा उसकी सतत् देखभाल भी की जा रही है। यही कारण है कि परिसर के अंदर एवं

बाहर जहां भी वृक्षारोपण किया गया है, यहां हरियाली छायी है तथा वातावरण प्रदूषण रहित प्रतीत होता है। प्रबंधन द्वारा संयंत्र स्थापना उपरान्त आज तक लगभग दो लाख बारह हजार पौधों का रोपण किया गया है, जिसमें से लगभग 80 प्रतिशत पौधे जीवित हैं।

उपरोक्त प्रतिवेदन से स्पष्ट है कि प्रबंधन द्वारा पर्यावरणीय आवश्यकताओं एवं शासकीय मापदंड के अनुरूप पूर्ति की जा रही है। प्रबंधन का यह भी कहना है कि स्थान उपलब्ध होने पर आगे भी वृक्षारोपण का कार्य जारी रखेंगे। मैं आशा करता हूँ कि भविष्य में भी पर्यावरण सुरक्षा के प्रति ऐसे ही सज्ज होकर वृक्षारोपण का कार्य करते रहेंगे।


 एम. एन. निवारी
 (एम. एन. निवारी)
 सहायक वन संचालक (संवर्धन/संरक्षण)
 सुंदर नगर, रायपुर, मोबा. 9754013435

भौतिक सत्यापन प्रतिवेदन - गोदावरी पावर एण्ड इस्पात लि. द्वारा कराए गए पौधारोपण का वर्षवार विवरण

पौधारोपण वर्ष	रोपित स्थल का विवरण	रोपित रकबा में / कि.मी. में	रोपित प्रजाति	रोपित पौधों की संख्या	जीवितता संख्या	जीवितता प्रतिशत	निरीक्षण टीप
2006 - 2011	गोदावरी पावर एण्ड इस्पात लि. से सिलतरा	4 K.M.	गुलमोहर, छालिम, कंसिया सामिया शीशम	4000	2800	70.00	2007 में किया गया वृक्षारोपण है। पौधे परिपक्व हो चुके हैं।
2006 - 2011	गोदावरी पावर एण्ड इस्पात लि. मेनरोड से गेट नं. 3	1 K.M.	छालिम	1000	700	70.00	2008 में किया गया वृक्षारोपण है। पौधे परिपक्व हो चुके हैं। अच्छा वृक्षारोपण है।
2006 - 2011	राजकुमार कालेज से टाटीबंध	3 K.M.	छालिम, कंसिया सामिया	3000	2100	70.00	वृक्षारोपण के साथ-साथ लेण्डस्केपिंग भी किया गया है। अच्छा वृक्षारोपण है।
2006 - 2011	उरला इंडस्ट्रीयल एरिया	4 K.M.	गुलमोहर, छालिम, कंसिया सामिया शीशम	4000	3500	87.50	सफल वृक्षारोपण है। वृक्षारोपण क्षेत्र की फेंसिंग किया गया है, जिससे पौधे सुरक्षित स्थिति में हैं।
2012 - 2013	गोदावरी पावर एण्ड इस्पात लि. से मोहदी	5 K.M.	छालिम	5000	400	08.00	सड़क चौड़ीकरण में पौधे नष्ट हो गये हैं।
2012 - 2013	मोहदी से नगरगांव	2 K.M.	छालिम	2000	300	15.00	सड़क चौड़ीकरण में पौधे नष्ट हो गये हैं।
2012 - 2013	नगरगांव से टोर	2 K.M.	छालिम	2000	410	20.50	सड़क चौड़ीकरण में पौधे नष्ट हो गये हैं।
2012 - 2013	मोहदी से मांडर	5 K.M.	छालिम	5000	3800	76.00	सफल वृक्षारोपण है। पौधे अच्छी हालत में हैं।
2012 - 2013	गोदावरी पावर एण्ड इस्पात लि. से बरीदा	8 K.M.	छालिम	9000	6100	67.78	सफल वृक्षारोपण है। पौधों की बाढ़ अच्छी है।
2012 - 2013	टांडा से चरौदा	3 K.M.	छालिम	3000	500	16.67	सड़क चौड़ीकरण में पौधे नष्ट हो गये हैं।
2012 - 2013	मोहदी से कुरुद	5 K.M.	छालिम	4000	2800	70.00	सफल वृक्षारोपण है। पौधों की बाढ़ अच्छी है।
2012 - 2013	अकोली से टोर	3 K.M.	छालिम	3000	2100	70.00	सफल वृक्षारोपण है। पौधों की बाढ़ अच्छी है।

✓

2006 - 2015	संयंत्र परिसर में रोपित पौधों की संख्या	26.10 Hect.	गुलमोहर, केसिया, शीशम, नीम, करंज, फटहल, आम, शदाम, पामुन, कदम, पाम, अमलतास आदि	शातिग, सामिया, करंज, शदाम, पाम	64564	58217	90.16	सफल वृक्षारोपण है। प्रकृत द्वारा समुचित देखभाल की जा रही है। पौधे स्वस्थ हैं तथा वाढ अच्छी है।
2016	संयंत्र परिसर में	2.22 Hect.	करंज, गुलमोहर	शीशम,	5475	5450	99.54	सफल वृक्षारोपण है। पौधे स्वस्थ हैं तथा वाढ अच्छी है।
2017	संयंत्र परिसर में	1.38 Hect.	करंज, गुलमोहर	शीशम,	3400	3200	94.11	सफल वृक्षारोपण है। पौधे स्वस्थ हैं तथा वाढ अच्छी है।
2018	संयंत्र परिसर में	Gap Filling	करंज, गुलमोहर	शीशम,	800	785	98.12	सफल वृक्षारोपण है। पौधे स्वस्थ हैं तथा वाढ अच्छी है।
2019	संयंत्र परिसर में	Gap Filling	करंज, गुलमोहर	शीशम,	600	600	100	सफल वृक्षारोपण है। पौधे स्वस्थ हैं तथा वाढ अच्छी है।
2020	संयंत्र परिसर में	Gap Filling	करंज, गुलमोहर	शीशम,	2000	2000	100	सफल वृक्षारोपण है। पौधे स्वस्थ हैं तथा वाढ अच्छी है।
2021	संयंत्र परिसर में	1.2625 Hect.	करंज, गुलमोहर	शीशम,	3150	3135	99.52	सफल वृक्षारोपण है। पौधे स्वस्थ हैं तथा वाढ अच्छी है।
	कुल	30.9625			124900	98900	80	



(एम.एल.तिवारी)
सहायक वन संरक्षक (सेवानिवृत्त)


आक्सीजन में रोपित किए गए पौधों का विवरण

फेस-1

पौधारोपण वर्ष	रोपित स्थल का विवरण	रोपित रकबा में/कि.मी. में	रोपित प्रजाति	रोपित पौधों की संख्या	जीवितता संख्या	जीवितता प्रतिशत	निरीक्षण टीप
2017-2018	औद्योगिक क्षेत्र सिलतरा फेस-1, ग्राम टांडा	02.00 Hectare	गुलमोहर, छातिम्, नीलगिरी, बरगद, पीपल आदि	4000	3810	95.25	सफल वृक्षारोपण है। प्रबंधन द्वारा समुचित देखभाल की जा रही है। पौधे स्वस्थ हैं तथा बाढ़ अच्छी है।
2019-2020	औद्योगिक क्षेत्र सिलतरा फेस-1, ग्राम सिलतरा	04.00 Hectare.	गुलमोहर, छातिम्, केसिया सामिया शीशम, नीम्, करंज, कटहल, आम, बादाम, जामुन, कदम्, पाम, अमलताश, नीलगिरी, सागौन, टेडुबिया, एरिथिना, बरगद, पीपल आदि	7000	6830	97.57	सफल वृक्षारोपण है। वृक्षारोपण के साथ-साथ लेण्डस्केपिंग भी किया गया है। प्रबंधन द्वारा समुचित देखभाल की जा रही है। पौधे स्वस्थ हैं तथा बाढ़ अच्छी है।

फेस-2

पौधारोपण वर्ष	रोपित स्थल का विवरण	रोपित रकबा में/कि.मी. में	रोपित प्रजाति	रोपित पौधों की संख्या	जीवितता संख्या	जीवितता प्रतिशत	निरीक्षण टीप
2016-2021	आक्सीजन सिलतरा सब स्टेशन क्षेत्र	41.27 Hectare	गुलमोहर, छातिम्, केसिया सामिया शीशम, नीम्, करंज, कटहल, आम, बादाम, जामुन, कदम्, पाम, अमलताश, नीलगिरी, सागौन, टेडुबिया, एरिथिना, बरगद, पीपल आदि	44000	43200	98.18	सफल वृक्षारोपण है। वृक्षारोपण के साथ-साथ लेण्डस्केपिंग भी किया गया है। प्रबंधन द्वारा समुचित देखभाल की जा रही है। पौधे स्वस्थ हैं तथा बाढ़ अच्छी है।


एम एल तिवारी
 सहायक वन संचालक (सिलतरा) (सेवानिवृत्त)
 सहायक वन संचालक (सिलतरा)



HIRA

GODAWARI POWER & ISPAT

Annex VII



GPIL/EMS/2022-23/ 45

Date: 15/04/2022

To,
The Regional Officer,
Chhattisgarh Environment Conservation Board,
Kabir Nagar, Raipur (C.G.)

Sub: Fly ash generation & utilization details for the FY 2021 -22.

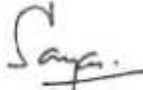
Dear Sir,

On the above subject, please find enclosed herewith Fly ash generation & utilization details from coal based thermal power plant (AFBC – I) of capacity 11 MW for the FY 20201- 22 with respect to Godawari Power & Ispat Limited, Siltara, Raipur.

This is for your kind information and record please.

Thanking You

For, GODAWARI POWER & ISPAT LIMITED


Sanjay Srivastava
(AVP – Environment)
Encl: A/a



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
CIN L27106CT1999PLC013756

Registered Office and Works: Plot No. 42B/2, Phase I, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India
P: +91 771 4082333, F: +91 771 4082234

Corporate Address: Hira Arcade, Near New Bus Stand, Pandri, Raipur - 492001, Chhattisgarh, India
P: +91 771 4082000, F: +91 771 4057601

www.godawaripowerispat.com, www.hiragroup.com

स्थापित कोल एवं लिग्नाईट आधारित थर्मल पावर उद्योगों से उत्पन्न फ्लायैश एश की उपयोगिता की स्थिति
(01 अप्रैल, 2021 से 31मार्च, 2022 तक की अवधि में)
(मात्रा मीट्रिक टन में)

क्र.	कोल एवं लिग्नाईट आधारित थर्मल पावर उद्योग का नाम व पता	क्षमता (मेगावॉट में)	उत्पादन तिथि	माह	माह में उत्पन्न फ्लायैश एश की मात्रा	सीमेंट प्लांट में प्रदाय	ईट निर्माण	भू-भराव	ऐंभा डाईक हाईट रैजिंग / निर्माण	कृषि कार्य हेतु	खदान में भराव	अन्य	कुल	प्रतिशत उपयोग		
1	गोदावरी पावर एवं इस्पात लिमिटेड, प्लॉट क्र. 428/2, इण्डस्ट्रियल एरिया, सिलतरा, रायपुर 493111 (छ.ग.)	AFBC I- 11 मेगावॉट	सितम्बर 2001	अप्रैल 21	4123	निरंक	4123	निरंक	निरंक	निरंक	निरंक	निरंक	4123	100%		
2				मई 21	4287	निरंक	4287	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	4287	100%	
3				जून 21	3889	निरंक	3889	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	3889	100%	
4				जुलाई 21	3722	निरंक	3722	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	3722	100%	
5				अगस्त 21	2465	निरंक	2465	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	2465	100%	
6				सितम्बर 21	3503	निरंक	3503	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	3503	100%	
7				अक्टूबर 21	2844	निरंक	2844	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	2844	100%	
8				नवम्बर 21	0	0	0	0	0	0	0	0	0	0	0	100%
9				दिसम्बर 21	3570	निरंक	3570	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	3570	100%
10				जनवरी 22	347	निरंक	347	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	347	100%
11				फरवरी 22	651	निरंक	651	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	651	100%
12				मार्च 22	1280	निरंक	1280	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	1280	100%
कुल					30681	निरंक	30681	निरंक	निरंक	निरंक	निरंक	निरंक	30681	100%		

Sanyal



HIRA
GODAWARI POWER & ISPAT



GPIL/EMS/2022-23/ 46

Date: 15/04/2022

To,
The Regional Officer,
Chhattisgarh Environment Conservation Board,
Kabir Nagar, Raipur (C.G.)

Sub: Fly ash generation & utilization details for the FY 2021 -22.

Dear Sir,

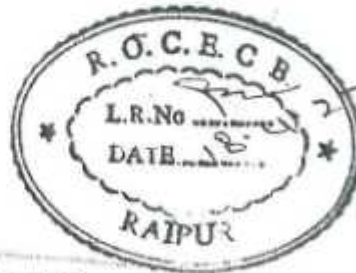
On the above subject, please find enclosed herewith Fly ash generation & utilization details from Biomass Based Power Plant (AFBC – II) of capacity 20 MW for the FY 2021 - 22 with respect to Godawari Power & Ispat Limited, Siltara, Raipur.

This is for your kind information and record please.

Thanking You

For, GODAWARI POWER & ISPAT LIMITED


Sanjay Srivastava
(AVP – Environment)
Encl: A/a



Godawari Power & Ispat Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company
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Registered Office and Works: Plot No. 42B/2, Phase 1, Industrial Area, Siltara, Raipur - 493111, Chhattisgarh, India

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स्थापित कोल एवं लिग्नाईट आधारित थर्मल पॉवर उद्योगों से उत्पन्न फलाई ऐश की उपयोगिता की स्थिति
(01 अप्रैल, 2021 से 31 मार्च, 2022 तक की अवधि में)
(मात्रा मीट्रिक टन में)

क.	कोल एवं लिग्नाईट आधारित थर्मल पॉवर उद्योग का नाम व पता	क्षमता (मेगावॉट में)	उत्पादन तिथि	माह	माह में उत्पन्न फलाई ऐश की मात्रा	सीमेंट प्लांट में प्रदाय	ईट निर्माण	भू-भराव	ऐश ड्राईक हाईट रैजिंग/ निर्माण	कृषि कार्य हेतु	खदान में भराव	अन्य	कुल	प्रतिशत उपयोग	
1	गोदावरी पावर एंड इस्पात लिमिटेड, प्लॉट नं. 428/2, इण्डस्ट्रियल एरिया, सिलतारा, रायपुर 493111 (छ.ग.)	AFBC II - 20 मेगावॉट	अक्टूबर 2010	अप्रैल 21	2520	निरंक	2520	निरंक	निरंक	निरंक	निरंक	निरंक	2520	100%	
2				मई 21	2503	निरंक	2503	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	2503	100%
3				जून 21	2808	निरंक	2808	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	2808	100%
4				जुलाई 21	1373	निरंक	1373	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	1373	100%
5				अगस्त 21	1594	निरंक	1594	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	1594	100%
6				सितम्बर 21	0	निरंक	0	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	0	100%
7				अक्टूबर 21	607	निरंक	607	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	607	100%
8				नवम्बर 21	2855	निरंक	2855	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	2855	100%
9				दिसम्बर 21	3761	निरंक	3761	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	3761	100%
10				जनवरी 22	3401	निरंक	3401	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	3401	100%
11				फरवरी 22	2918	निरंक	2918	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	2918	100%
12				मार्च 22	2952	निरंक	2952	निरंक	निरंक	निरंक	निरंक	निरंक	निरंक	2952	100%
कुल					27292	निरंक	27292	निरंक	निरंक	निरंक	निरंक	निरंक	27292	100%	

Sagar.

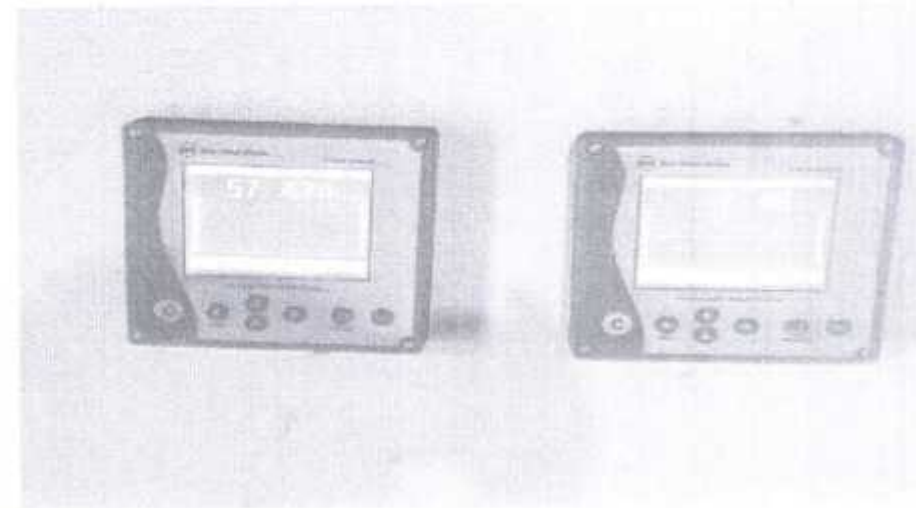
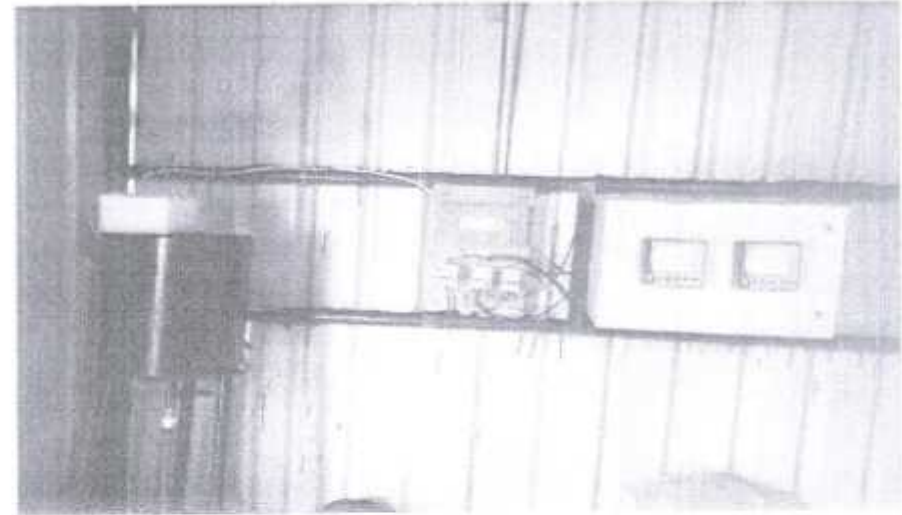
DETAILS OF AIR POLLUTION CONTROL SYSTEM

SN	Unit	LOCATION	IDENTIFICATION	CAPACITY
DETAILS OF AIR POLLUTION CONTROL SYSTEM				
1	POWER PLANT PHASE - I	AFBC # 70 TPH	ESP	137800 M ³ /HR
2		AFBC # 100 TPH	ESP	187560 M ³ /HR
3		100 TPH BUNKER	BF	8500 M ³ /HR
4		DAY BIN HOPPER	BF	12500 M ³ /HR
5	SID PHASE I	KILN NO. 01	ESP	137800 M ³ /HR
6		KILN NO. 02	ESP	207418 M ³ /HR
7		PSB - II	BF	60000 M ³ /HR
8		COAL INJECTION KILN NO. 01 & 02	BF	20000 M ³ /HR
9		PSB 01, K1 & K2 CD BELT, BUCKET ELV.	BF	140000 M ³ /HR
10	STEEL MELTING SHOP	SMS	BF	80000 M ³ /HR
11	FERRO ALLOY DIVISION	SAF - 9.5 MVA	BF	140000 M ³ /HR
12	SID PHASE - II	KILN NO. 03	ESP	195037 M ³ /HR
13		KILN NO. 04	ESP	195037 M ³ /HR
14		PSB	BF	125000 M ³ /HR
15		COAL INJECTION KILN NO. 03 & 04	BF	20000 M ³ /HR
16		CD BELT KILN NO. 03	BF	60000 M ³ /HR
17		BY PASS CONVEYOR	BF	60000 M ³ /HR
18		CD BELT KILN NO. 04	BF	60000 M ³ /HR
19		PSB - III, A-BIN	Bulk Spout	40 TPH
20		PSB - IV, A-BIN		40 TPH
21		By Pass Bag Filter	Pug-Mill	40 TPH
22	Bag Filter, PSB - III	40 TPH		
23	Bag Filter, PSB - IV	40 TPH		
24	PELLET PLANT (0.6 MPTA)	PELLET PLANT 0.6 MPTA	ESP	500000 M ³ /HR
25		BENTONITE HOPPER (PROPORTIONATE	BF	5000 M ³ /HR
26		LIME HOPPER (PROPORTIONATE BUILDING)	BF	3000 M ³ /HR
27		ASH HOPPER (PROPORTIONATE BUILDING)	BF	3000 M ³ /HR
28		CONVEYOR BC - 8 (ASH DICH -	BF	8000 M ³ /HR
29		EIRICH MIXTER	BF	4000 M ³ /HR
30		TG BUILDING BC - 13 RECYCLE MATERIAL	BF	25000 M ³ /HR
31		ANNULER COOLER (PRODUCT D:CHARGE BC - 14)	BF	20000 M ³ /HR

32	PELLET PLANT (1.5 MPTA)	PELLET PLANT 1.5 MPTA	ESP	110000 M ³ /HR
33		BENTONITE HOPPER (PROPORTIONATE)	BF	9530 M ³ /HR
34		LIME HOPPER (PROPORTIONATE BUILDING)	BF	9530 M ³ /HR
35		ASH HOPPER (PROPORTIONATE BUILDING)	BF	9530 M ³ /HR
36		EIRICH MIXER	BF	11054 M ³ /HR



ONLINE EFFLUENT QUALITY MONITORING SYSTEM



GODAWARI POWER & ISPAT

ONLINE EFFLUENT QUALITY MONITORING SYSTEM

– connected to server



← Cameras : 7/3 Godvari Power & Ispat Limited Khera Sitar & Rajur

Live Status History



Property Name	Value	Unit	Default
Material Name	IRON AND STEEL	Sample Make	Default
System Name	M/S Godvari Power & Ispat Limited	System Name (U)	Default
Address Location	Sitar	Yes	Yes
Access Point	ETP_Camera	Yes	Yes

Annex-2



SEWAGE TREATEMENT SYSTEM



GPS Map Camera

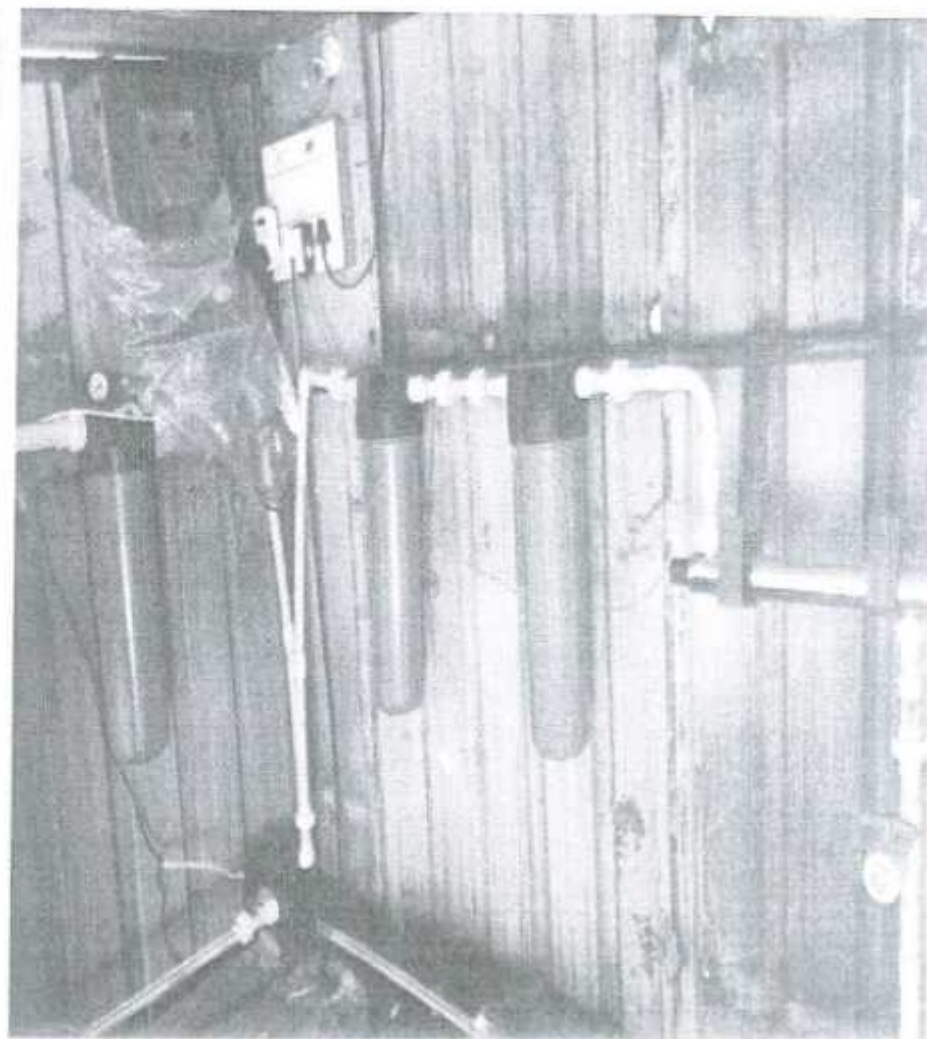
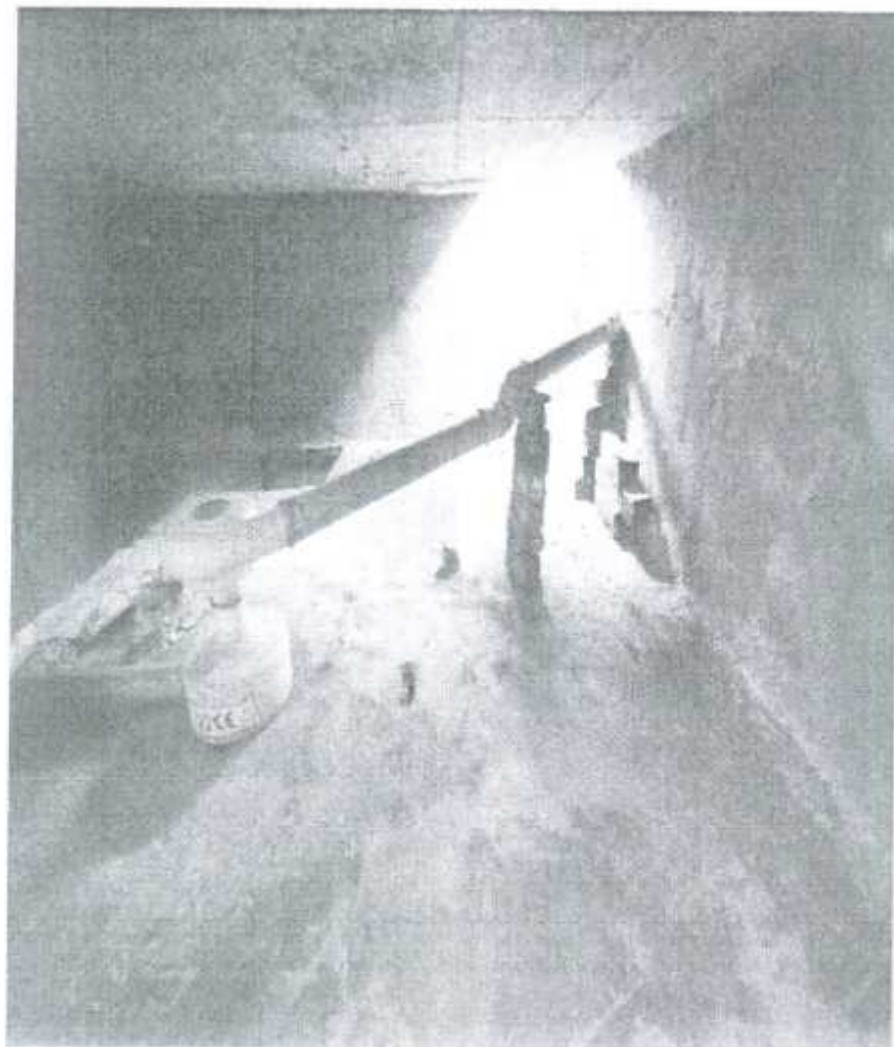


Siltara, Chhattisgarh, India
9MFP+4GM, Siltara, Chhattisgarh 493111, India
Lat 21.372481°
Long 81.686812°
31/01/22 03:15 PM



GODAWARI POWER & ISPAT

SEWAGE TREATEMENT SYSTEM



SEWAGE TREATMENT SYSTEM

PRIMARY TREATMENT

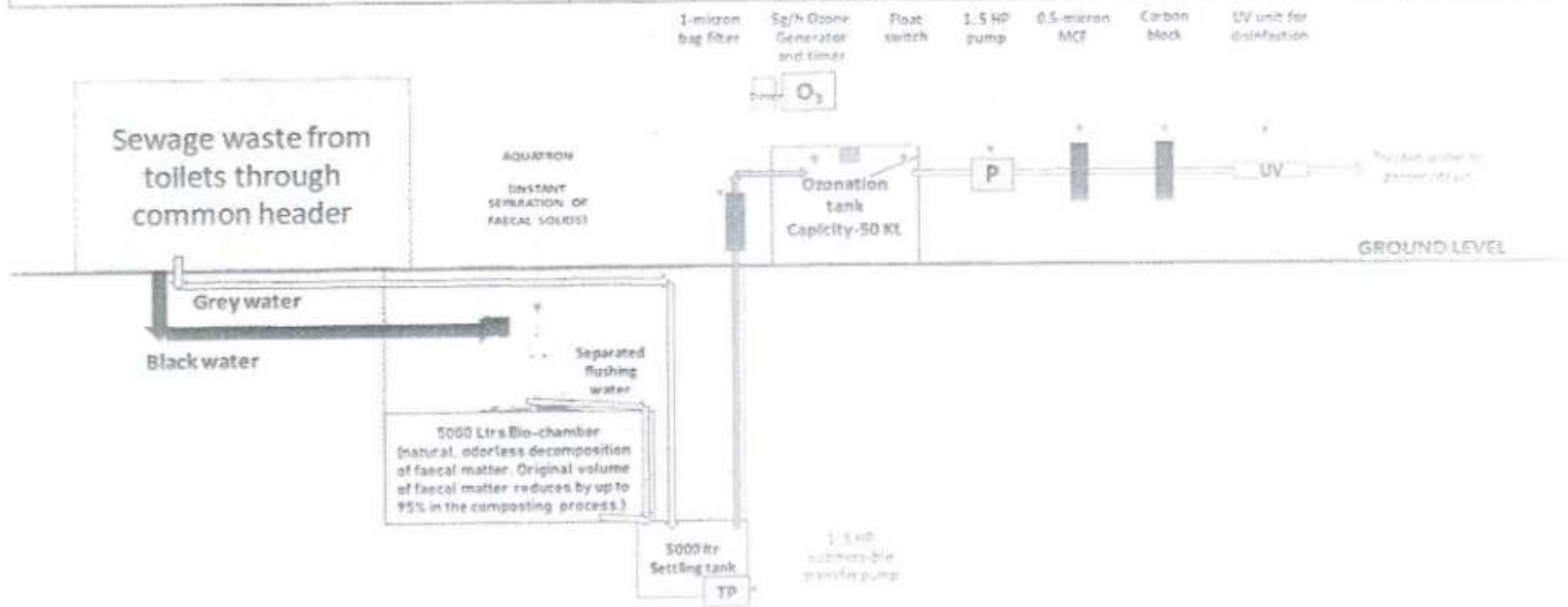
Aquatron

Separation of (faecal) solids using momentum of flushing water, centrifugal force and gravity. Faecal solids decompose naturally in a 1000-liter bio-chamber underground. Here the solids decompose naturally into inert compost thereby making it easy to handle and reuse. Separated liquids go to settling tank together with greywater.

SECONDARY AND TERTIARY TREATMENT

(ONLY GREY WATER & SEPARATED FLUSHING WATER, NO SLUDGE)

1. Settling tank (Reduction of TSS)
2. Ozonation (Reduction of BOD, COD, Ammonia, Nitrogen, Color, Odor, Bacteria, Viruses)
3. Water Treatment Plant with bag filter, 2 x micron cartridge filter and UV (Further reduction of TSS, BOD, COD, bacteria)





13 – 14th May
2022

COMPREHENSIVE INDUSTRIAL HYGIENE SURVEY
AT
GODAWARI POWER & ISPAT LTD.
UNIT – SILTARA, RAIPUR



**SURVEY CONDUCTED
BY
ARVIND INDUSTRIAL HYGIENE
CONSULTANCY
RAIPUR, CHATTISGARH.**

Ref: No. Arvind//2020/08

Dated-05/06/2022

To,
Associate Vice President
Health & Safety
Godawari Power & Ispat Limited
Unit –Siltara ,Raipur

Subject – Comprehensive Industrial Hygiene Survey (Draft report).

Reference – P.O No . 2147001448 dated 30.3.2022

Dear Sir,

A comprehensive industrial hygiene survey had been conducted at various locations of GPIL Plant from 13th May 2022 to 14th May 2022 during general shift hour. The survey work was coordinated by Mr. Siddharth sinha from Safety department of your plant. The overall coordination was given by Mr. T. R Yadav ,AVP ,Health & Safety department of the plant. Please find a report of the survey for your information necessary action and compliance.

Arvind Industrial Hygiene Consultancy



Dr.A.K.Verma
Director & Competent Person Under C.G. Govt.
Arvind Industrial Hygiene Consultancy
Raipur (C.G.)

GLIMPSE OF THE STUDY

HAZARD	NO.OF SAMPLES	EXCEEDED TLV
Respirable Dust (P)	11	01
Noise (A)	16	04
(P)	11	02
Heat Stress	07	02
Illumination	15	NII
Gas & Chemical	04	NII
Total	65	9 (13 %)

(P) - Personal Sampling

(A) – Area sampling

Overall 13 % deviation from the TLV data in the current survey.

INDUSTRIAL HYGIENE SURVEY REPORT OF GODAWARI POWER & ISPAT LIMITED - SILTARA

INTRODUCTION :

Godawari power and Ispat Ltd ,located at industrial area Siltara , is one of the leading unit of Chhattisgarh ,having sophisticated technological facility for the manufacturing of sponge iron, steel ferroalloys ,captive power generation, HB Wire ,Oxygen and Pellet plant. The capacity of different units are sponge iron 4,95,000 TPA, power generation 73 MW, steel casting 4. 00 lakh TPA ,Ferro alloy 16500 TPA ,HB Wire 1,00000 TPA ,Pellet 0.6 +1.5.MTPA industrial oxygen 12 lakh Cu MPA ,producer gas 56,000 Cum PH respectively. New Rolling mill has also started its production for manufacturing 5.5.mm wire rod and other merchant products.The company has a 1395 regular employees & 1605 contractor workers engaged in the process of manufacturing and other support services of the plant. The plant is working under the flagship of HIRA group , Raipur .

Periodical Industrial hygiene survey is helpful to know the status of working environment according to nature of job and season. Industrial hygiene survey plays a significant role in recognizing , assessing and control of adverse factors in the working environment and thus making the workplace congenial and conducive to health. The main legislation governing safety health and welfare of persons employed in factories in India is the Factory act 1948, which underwent a major amendment called act 20 of 1987.

The amendment include increased responsibility of occupier, design engineer, manufacturer, and product safety, provision relating to hazardous process, workers participation in safety management, increased power of safety inspectors and inclusion of new schedule. The new National policy on safety health and environment published in Feb.2009 by the Govt. of India has made the legislation more stringent and transparent

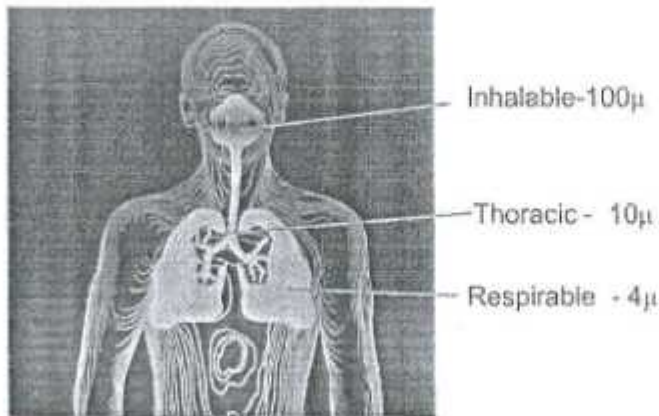
Steel and power generation is a hazardous process as per the factory act 1948 amended in 1987.The various activities of process involves emission of fine dust ,fumes ,heat stress noise and gases at various section of the plant.

The Industrial hygiene survey was conducted at the various identified locations of the plant. The industrial hygiene survey provides input for the assessment of occupational health risk among the workers, which may help subsequently for taking control measures in the work place.

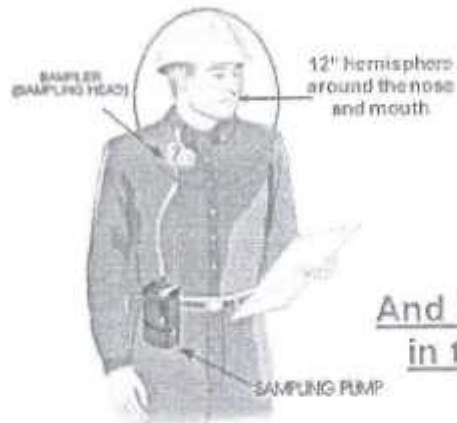
The data collected is useful to co-relate the health of employees with their occupation, improvement of working environment and work to become conducive to safety and health. The status of housekeeping and occupational safety were also recorded during the survey period.

DUST EFFECT ON HEALTH – The important group of occupational diseases in the steel and power plant are the result of airborne dust and the effect of macroclimatic and microclimatic conditions in the workplace environment. Coal Pneumoconiosis and Manganese toxicity has been described as a major type of health problems among the workers of power and steel plant. The symptoms of pneumoconiosis, which may appear after prolonged exposure and present a very slow progression. The exposure to fine dust in steel and power plant may also causes silicosis and other respiratory problems. The adverse effect of dust depends on its chemical composition, size of the dust particles, duration of exposure, personal hygiene and general health conditions of the individual. The below photograph shows the particle distribution in the respiratory system :

Where do the particles lodge?

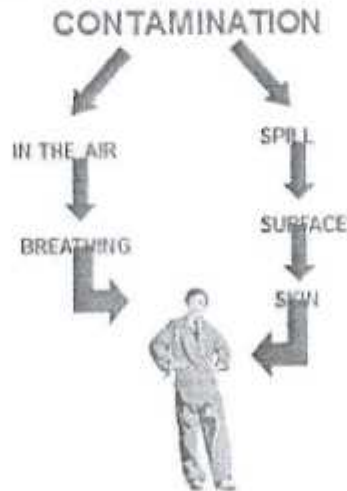


Personal Sampling

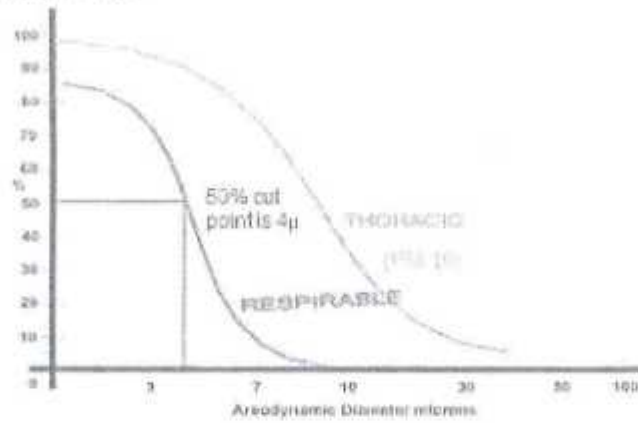


■ ALL Exposure limits are based on Personal Samples And MUST be taken in the Breathing Zone

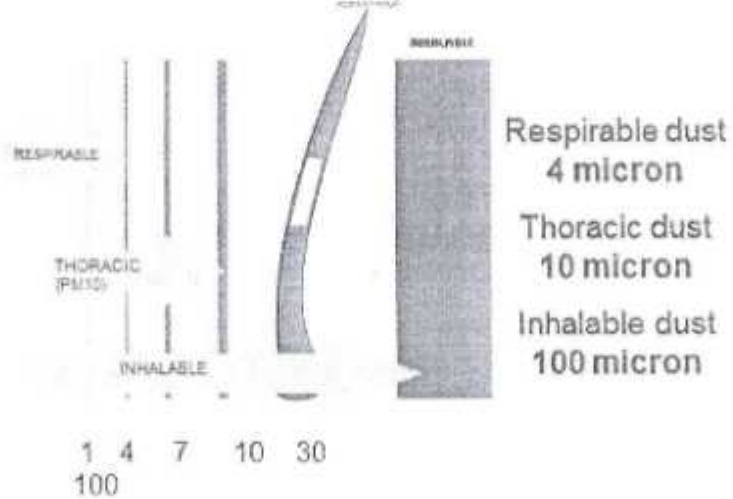
Ingestion (uptake) Routes



Cut-Points are defined with curves



Relative size of particles



OBJECTIVE : The objective of this study was to monitor and to assess the Respirable dust, fume concentration ,Noise level, Heat Stress ,Gases, illumination in the working environment and to identify the potential hazard and risk arising from the workplace, comparing with permissible exposure limits(TLV) and to suggest remedial measures to make the environment congenial and conducive.

TECHNICAL INFORMATIONS

- (a) **Threshold limit value** – TLVs refers to airborne concentration of substances for 8 hrs workdays to which nearly all workers may be repeatedly exposed day after day without having any adverse health effect.

- (b) **TWA** – The time weighted average concentration permit excursions above the limits, provided they are compensated by equivalent excursion below the limit during the work day.

- (c) **Decibel db** - A unit used to express sound intensity. Minimum difference in loudness that is usually perceptible. The general relationship is $L = 10 \log(q/q_0)$ (dB). One decibel is one tenth of a bel and it is the preferred unit for noise measurement.

- (d) **Sound pressure level Spl** – The level in decibel of a sound is 20 times the logarithm to the base 10 of the ratio of the pressure of this sound to the reference sound pressure .The unit gives idea about the effect of noise on ear drum.

- (e) **Equivalent noise exposure Leq** – Equivalent exposure for extended period of time ,provided there is no change in the noise because of the interference. It gives the assessment of noise dose as per ISO -1999 ,for hearing conservation purpose. Useful for calculating TLV/TWA for noise dose of exposed employees.

- (f) **Sound emission level SEL** – The unit gives the assessment of noise intensity generating from the source or machine.The parameter is useful for adopting engineering control measures in the work place.

- (g) **Area Monitoring** – Sampling of the working environment pollutants at the work place.
- (h) **Personal monitoring** – Sampling of employees exposed to various pollutants by fixing sampler in the breathing zone .
- (i) **Exposure Time** – The length of individual employees exposure may be limited as administrative control. There are shorter exposure time for higher sound levels. Permitted noise exposure time or PT can be calculated for the measured sound level and it may be used as an administrative control measures to minimize the exposure level. PT can be calculated from the following formula
- $$PT = 8/2^{(L-90)/5}$$
- (j) **Wet Bulb Globe Temperature (WBGT)** – It is the recognized index for monitoring dry & hot atmosphere in industry in compliance with ISO standard
- (k) **Respirable Dust (0.1 -5 micron)** – The dust of the above size suspended in the air for prolonged period of time and has a tendency to deposit in the alveoli chamber of the lungs. From naked eye one can see only the dust size of above 7 micron.

MATERIAL & METHODS - Monitoring of various health hazards was carried out by measuring the factors present in the environment through sampling. The survey was conducted at various locations identified after interaction with the safety officers of the plant. The instruments used were portable and battery operated with direct reading LCD display type. Different physical & chemical hazards were monitored by using area sampling and personal sampling techniques. The identification of the exposed employees were done on the basis of data collection, its analysis and comparison with threshold limit values of respective hazards. All the measurements were taken by following the calibration schedule of each instrument. The instruments were properly calibrated before sampling.

RESPIRABLE DUST- The respirable dust concentration was monitored with the help of Personal air sampler (AFC -124 & Apex Pro ,Casella London Make).The instrument was attached to the workers working in dusty locations of the plant. Air containing respirable dust was drawn through the sampling head(Cyclone 225-8-01)at the rate of 1.9 ltr./mts. Suction is provided by a pump driven by a D.C. motor from a rechargeable NIMH battery which lasts up to 10 hrs. The breathing zone samples were collected during the normal working hours, of the individual. The instrument was removed after 7 to 8 hrs. and dust concentration was calculated on the basis of weight difference of the filter paper(Glass microfiber & PVC membrane ,37 mm diameter). The internationally approved OSHA method ID -142 was used to evaluate the dust concentration in mg/m³ of air.

Manganese Estimation – Manganese estimation was done in the dust samples of electric arc furnace and steel melting shop area. The sample got analyzed by the approved method in the laboratory.

NOISE :

Noise level measurement was done with the help of sound level meter type 2231,B & K(Denmark) make. Parameters like Spl, Leq and SEL were recorded near the different machines following the OSHA guidelines for noise sampling(1 mtr. Away from the machine and at the place where worker is sitting during the duty hrs.).Area of maximum noise and safe zone were identified using noise mapping technique.

Personal exposure to noise was assessed by noise dosimeter type 4428.The noise dosimeter was attached to the workers, working in noisy area and then it was removed to assess their actual exposure. The percentage exposure was further converted into corresponding decibel by using conversion table.

ILLUMINATION

Illumination measurement was done with luxmeter which gives assessment of brightness in the unit area of work place in lux. The degree of safety with which a task is performed depends in large part on the quality of illumination and on visual capacities .The visibility of an object can be altered in many ways. One of the most important factor is the contrast of the luminances due to reflection factors, to shadows or to color of the object itself and to the reflection factors of the color. What the eye really perceives are the differences of luminance between an object and its

surroundings. In the night illumination is mostly influenced by the air density, environmental contaminations and quality of lamps. Human eye can accommodate wavelength of 380-760 nm. Illumination survey was conducted in the work place after the sunset, when there was no contribution of day light factor. The lighting system General lighting, localized lighting and local lighting were taken into the consideration during survey. The data collected was compared with the reference values adopted by ACGIH.

HEAT STRESS

Heat stress was measured in terms of wet bulb globe temperature(WBGT)which is the recognized scale for measurement of heat stress in dry and hot atmosphere. The instrument WBGT heat stress monitor was used for this purpose. Heat stress was measured in the area where workers may at times be exposed to radiant/convective heat. Mean WBGT and relative humidity with air velocity was evaluated using velometer. The data collected was compared with the threshold limit value of the respective hazards. Some of the important aspect like use of PPEs, exposure pattern of the workers, ventilation and lighting system was also recorded during survey.

GASES & CHEMICALS

Measurement of work zone concentration of gases and chemical fumes were done with the help of Draeger Multigas detector pump, which utilizes the detector tube. The detector tube was broken from both the end and fixed in the pump. The air is drawn at the rate of 100 cm³ per stroke, the color changes in the tube and the length of discoloration gives the concentration of the gas/chemical in PPM or mg/m³ in work zone air. The measurement of CO was done by using pocket CO monitor of RAE make.

QUESTIONNAIRE SURVEY - The status of the work place ventilation system were checked by conducting structured questionnaire survey also, specially prepared for this purpose. The personal interview was conducted for 32 no. of employees including contractor workers, working in different hazardous locations of the plant. The data collected were analyzed statistically to evaluate the findings

OBSERVATIONS -

Table-1
Respirable Dust -Personal Sampling

S.No.	Name	Desig.	Location	Dust mg/m ³	TLV mg/m ³
1.	Vijay Kurre	Operator Proportioning	Pellet plant 0.6 MT	2.38	5
2.	A.Ashok	Operator	Pellet plant 2, 1.5.MT	1.71	5
3.	Lochan Kumar	Foreman	RMP 2 ,SID 2	4.25	5
4.	Chitranjan verma	Helper	Husk handling plant	5.98	5
5.	K.Trinath rao	Sr.Operator	New CHP	1.20	2
6.	Mahesh baghel	Mech.Welder	RMP -1	2.15	5
7.	Punit Ram Sahu	Tapper	Ferro alloy division	1.66	5
8.	Gourav singh	Barry man	SMS New furnace	4.04	5
9.	Sakun lal Sahu	Con.worker	SMS Furnace 8	3.15	5
10.	Ram kumar sahu	Con.worker	Elec. Arc Furnace.	1.70	5
11.	Nehru lal verma	Boiler Operator	Power Plant 1	0.97	5

Mn conc.in filter paper dust of induction furnace floor 0.054 mg/m³ (< TLV 1 mg/m³)

Table-2
Noise Level Survey

S.NO.	LOCATION	NOISE dB(A) Spl	NOISE dB(A) Leq	NOISE dB(A) SEL	TLV dB
1.	Ferro Alloy Fur.floor	75	75	82	85
2.	SMS Floor fur.8 & 9	82	80	86	85
3.	WRM Roughing Stand area	85	83	90	85
4.	Inside main pulpit	66	64	70	85
5.	Billet turning table	84	82	88	85
6.	CCM Gas cutting area	87	84	90	85
7.	WRM Intermediate stand	89	86	93	85
8.	Power plant 1 TG hall	88	86	92	85
9.	Inside Main CCR Power plant	72	70	76	85
10.	FD Fan area	90	88	94	85
11.	Boiler feed pump area 100 TPH	84	82	88	85
12.	Power plant 2 TG hall	84	82	88	85
13.	Pallet plant ball mill 1 area	83	81	87	85
14.	Wire drawing A-6 Stand	81	79	86	85
15.	DM Plant clarifier area	82	80	86	85
16.	Gassifier floor	79	77	83	85

**Table-3
Personal Noise Dose Measurement**

S.No.	Name	Desig	Location	Noise	TLV
1.	Mnau lal sahu	Operator Fork lift	Ferro alloy fur.	78	85
2.	Ram Kumar sahu	Control room Opr:	Ferro alloy fur.	72	85
3.	Gurav singh	Con.worker	SMS Fur.floor	80	85
4.	Mithilesh yadav	Melter	SMS Fur.floor	84	85
5.	Sandeep chandrakar	Sr. Foreman	Pellet plant 0.6	88	85
6.	Bipin sharma	Attdl.	Intermediate stand WRM	86	85
7.	Kailash sharma	Filter.	Stand areal	83	85
8.	Nehru verma	Boiler Optr.	Power plant 1	80	85
9.	Srikant soni	Manager	Power plant	76	85
10	Vijay Sharma	Jr.Engineer	Clarifier pump DM Plant	80	85
11.	Shailendra Tiwari	Sr. Engineer	Power plant 1	77	85

**Table-4
Heat Stress Measurement**

S.NO.	Location	Mean WBGT °C	Radiant heat °C	% Excess	TLV °C
1.	Ferro Alloy fur. Floor	32	48	19.85	26.7
2.	CCM 3 Gas cutting area	31	46	16.10	26.7
3.	SMS floor 8 & 9 area	30	42	12.35	26.7
4.	Ladle repair shop	30	44	12.35	26.7
5.	Pellet plant 0.6 Burner floor	31	42	16.10	26.7
6.	Power plant 1Boiler area	30	42	12.35	26.7
7.	S.I.D 1 Platform	31	44	16.10	26.7

* Relative humidity 46 % ,Air velocity 1.9 Mtr./sec. at SMS furnace floor.

*Continuous exposure of workers to Heat stress were not observed at FAD, SMS furnace floor

Table-5
Illumination level (7.30 PM)

S.NO.	Location	Illumination, lux	Requirement
1.	Ferro alloy furnace floor	165	50
2.	Pellet plant 1,5 raw material area	110	50
3.	Power plant 1 CCR	350	50
4.	Power plant 1 TG floor	135	50
5.	RMP 1 raw mat. area	90	50
6.	Wire drawing production office	180	50
7.	Wire Rod mill stand area	110	50
8.	Roughing pulpit	180	50
9.	CCM 3 Area	80	50
10.	Power plant 2 CCR	275	50
11.	Power plant 2 TG HALL	130	50
12.	SMS Furnace floor	90	50
13.	Ladle repair area	110	50
14.	DM Plant Acid storage tank	85	50
15.	Gasifier coal tar pump area	115	50

* TLV OHSAS - 100-150 lux. recommended for the visual task are performed in the factory with day light, 50 Lux without day light (Artificial light)

Table -6
Gas & Fumes –Area Sampling

S.NO.	Location	Contaminant	Conc. Mg/m ³	TLV PPM
1.	Gasifier poking platform	CO	Nil	50
2.	Coal tar pump area	Benzene	0.2 PPM	0.5 PPM
3.	Settling tank area	Benzene	Nil	0.5 PPM
4.	DM plant ,TCCA	Chlorine	Nil	0.5 PPM
5.	DM Plant Acid tank area	Acid fume	Nil	5 Mg/m ³

Table - 7
Analysis of Questionnaire on Ergonomic & Health symptoms
(Subjective Response n = 28)

S.NO.	Symptoms	% Response Yes	% Response No
1.	Environmental Factors Heat, Dust, Noise, Fumes at the work place	15	85
	Ventilation system efficiency is Good?	90	10
3.	Use of Dust Mask	100	00
4.	Use of ear plugs in Noisy area	75	25
5.	Health Symptoms		
	(a) Headache	10	90
	(b) Giddiness	00	100
	(c) Nausia	00	100
	(d) Vomiting	00	100
	(e) Breathing difficulty	03	97
	(f) Uncomfortable work place	05	95
	(g) Leave because of workplace Health hazards	00	100

RESULTS & DISCUSSION

Industrial hygiene survey had been conducted at GPIL plant for two days. Qualitative and quantitative exposure assessment were done at all the working location of the plant. Godawari power & Ispat Ltd. is a modern plant equipped with all the pollution control system so that there should be minimum impact of chemical and physical agents on the health of employees. The plant has been certified with ISO -9001, ISO -14001 & ISO -45001, which is a unique achievement in health and safety performance of the plant. The process of various section is being controlled from centralized control room. Housekeeping and use of PPEs at the work place were found to be good.

Total 65 samples with respect to area and personal monitoring for various hazards were collected from the different locations out of that 9 samples (13 %) deviated from the TLV norms. The data were analyzed statistically and the results are shown in the observation tables 1 to 7.

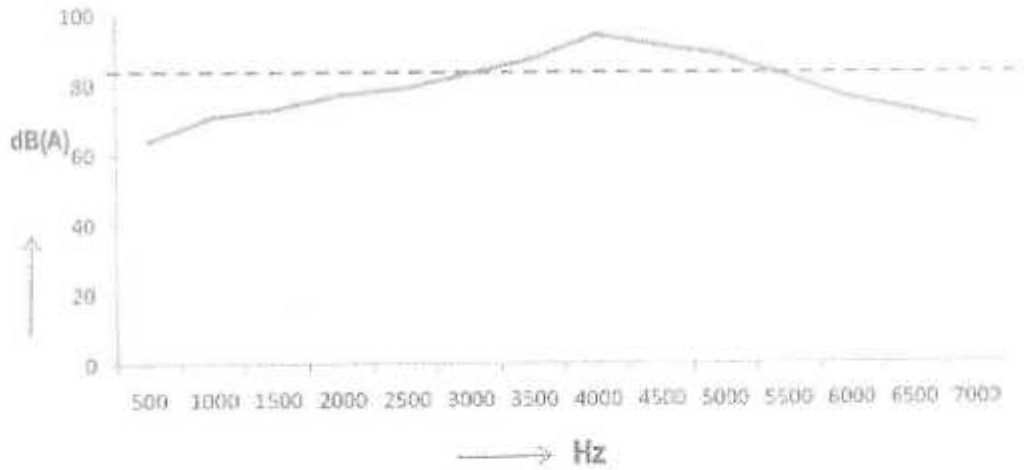
Respirable Dust Personal : Respirable dust at personal level was measured at 11 locations of the plant out of that TLV value of dust concentration exceeded at 1 location which is Husk Handling Plant. For rest of the locations personal dust exposure was observed within TLV. High dust emission was observed at old husk feeding yard, natural roof ventilation system is not there although the yard is open from both the side. Contract workers found working in the yard. SMS Furnace floor especially near 8 & 9 dust pollution because of SID bunker activities is causing difficulties for the furnace employees. (Table 1)

NOISE :

Noise level survey was conducted at 16 locations of the plant. Parameters like S_pL, Leq and SEL were recorded, shown in table 2. All the three parameters have significant role in controlling the occupational noise hazard in the work place. Out of 16 samples, noise level was observed exceeding TLV at 4 locations i.e CCM cutting, WRM, Power plant TG hall & FD fan area workers exposure were not continuous for 8 hrs. in the outside area. All the operations of power plant & WRM, are being controlled from the central control room and person has to go out time to time for the physical inspection. Noise frequency analysis was also done and it was observed that higher noise intensity lies in the range of 3800 to 4600 Hz. In rest of the surveyed locations noise level was observed to be within TLV. (Table -2)

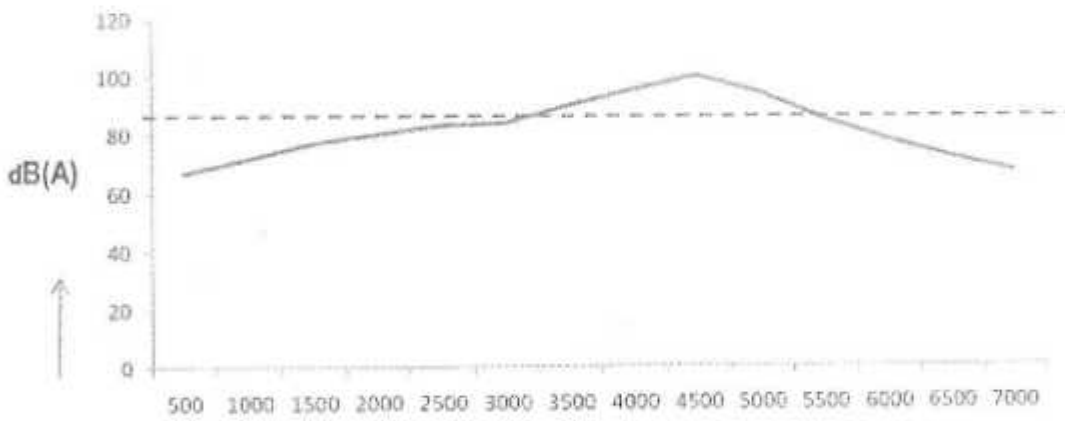
Personal noise exposure assessment was done in the 12 identified locations, out of that 2 have exceeded the permissible exposure limit norms. Personal exposure for an employee working in power plant FD fan area and pallet plant ball mill area were found to be above TLV. Personal noise exposure at rest of locations like Rolling mill, Wire drawing mill and power plant were found within TLV. (Table -3)

Noise - Frequency Analysis
Section - TG Floor Power Plant



- High Noise intensity lies in the range of 3800 – 4600 Hz

Section - WRM Stand area



- High Noise intensity lies in the range of 3800 – 4600 Hz

Heat Stress – Heat stress was measured in terms of wet bulb globe temperature (W.B.G.T.). Mean W.B.G.T. is reported in table No.-4. Out of 7 locations surveyed heat stress in terms of mean WBGT and radiant heat was found above TLV at two locations FAD floor and CCM gas cutting area. At rest of the locations heat stress was found within norms. The mean WBGT was observed varying from 12 % to 19 % above the TLV norms. This is also because of the high ambient temperature in summer which is contributing to high radiant heat in the furnace area.

Air velocity at SMS furnace floor was observed 1.90 Mtr/sec, and relative humidity was observed 46 % because of the dry weather condition. Relevant PPEs, work rest schedule & cooling fan with drinking water facilities were found in the hot locations of the plant. Continuous personal exposure were not observed at any of the mentioned locations. (Table 4)

ILLUMINATION – Illumination survey was conducted at 15 locations, out of that light intensity were observed adequate and as per the norms at all the locations. Overall illumination level inside the works area and within the periphery were found to be very good.(Table 5)

GAS & CHEMICAL – Gases concentration in DM plant & Gasifier plant were observed within TLV at all the 5 locations surveyed. There are 65 to 70 persons working in a shift in different sections like charging, ETP, coal tar area. The gas produced in the plant is used in the pallet plant kiln as a fuel. Online CO analyzer was found working as per the norms. MSDS were also found displayed in the shop floor of DM plant & Gasifier plant. First Aid box was observed with all the consumable items in place.(table -6)

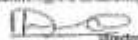
QUESTIONNAIRE SURVEY - Status of Occupational health and safety, PPEs, ventilation and ergonomic issue were assessed using a structured questionnaire. The consent of the participants were obtained before filling the forms. Total 28 participants have included in the study from various locations. Their subjective response was recorded on various issues like health problems, availabilities of PPEs, presence of environmental factors, ergonomic issues like work place design, Comfort, Postural problem, in the work place. The data collected were analyzed. Out of 28 persons most of the participants have given favorable opinion about the various issues. Rest have given their opinion for improvement in the work place.(table 7)

RECOMMENDATIONS – On the basis of the above extensive survey of the works area, following recommendations have been suggested which will help to improve the working environment conditions of the plant :

1. Dust and fume emissions at SMS floor may be reduced by implementing proper engineering control measures in the adjacent bunker area of SID .
2. Provision of roof ventilation in the old CHP husk feeding area of power plant 1 .Drinking water facilities may be provided in the yard.
3. Housekeeping and cleaning of scrap materials in the ladle repair shop may be ensured. .
4. Use of ear plugs & ear muffs for the maintenance workers at PA fan ,FD fan area of 100 TPH boiler area power plant 1.
5. WRM ,Intermediate stand operator place is open ,it may be provided with proper enclosure/cabin to protect from Heat & Noise hazard.
6. RMP 1 ,Iron circuit area rest room air cooler is out of order it may be repaired to provide cool comfort place to the workers.
7. OHC may develop the facilities for linking occupational exposure data of hygiene survey with health data of exposed employees.This may be done by implementing computerized HIS system in Occupational health centre.
8. Overall illumination level was found adequate in the plant.

CONCLUSION - The Housekeeping and safety aspect in terms of use of PPEs were found to be very good. The road conditions inside the works have also been improved and the greenery maintained in the works area.

Arvind Industrial Hygiene Consultancy



Dr.A.K.Verma, M.Sc. Ph.D.
Director & Competent Person Under CG Govt.
Arvind Industrial Hygiene Consultancy
Raipur (C.G.)

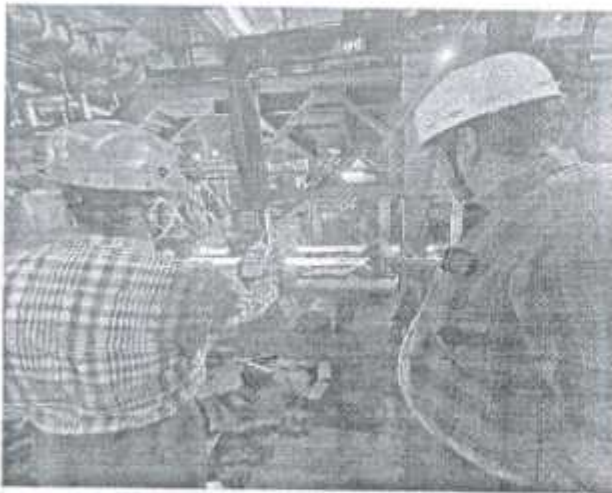
SURVEY PHOTOGRAPH



PERSONAL DUST SAMPLING



HEAT STRESS MONITORING



NOISE, HEAT MONITORING CCM



GAS, CHEMICAL MONITORING



CERTIFICATE

*This is to Certify that the
Quality Management System
of*

ARVIND INDUSTRIAL HYGIENE CONSULTANCY

C-19, TAGORE NAGAR, RIPUR- 492 001(C.G) INDIA

has been independently assessed and is compliant
with the requirements of

ISO 9001:2015

This Certificate is applicable to the following product or service ranges:

PROVIDING INDUSTRIAL HYGIENE CONSULTANCY
TO INDUSTRIES

:: Certificate No :: IN10511A

Date of initial registration	01 May 2018
Date of this certificate	15 March 2021
Recertification Due / Certificate expiry	30 April 2024

This Certificate is property of Certix Limited. Certifications and reports shall
remain subject to satisfactory surveillance audits.

Director



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Fax: +44 (0)1753 42052
VAT: GB 969 090 969 (VAT No.)
Company Number: 10497047

For precise and updated information concerning the present certificate visit at www.certix.co.uk



**DIRECTORATE OF INDUSTRIAL HEALTH & SAFETY
CHHATTISGARH, RAIPUR**

2nd Floor, 3rd Block, Indrawati Bhawan, Atal Nagar Raipur

No. DIHS/C.G./RPR/C.C./4456466736A

Raipur, Dated 24-05-2021

CERTIFICATE OF COMPETENCY

This is to certify that Arvind Industrial Hygiene Consultancy, C-19, Tagore Nagar, Raipur to be a competent person for the purpose of carrying out tests, examinations, inspections and certification for such precautions against dangerous fumes, ventilation system as required under various schedule framed under sec-87, used in factories located in the State of Chhattisgarh section 36 section 87 under factories act 1948 and the Rules made there under of Factories Rules 1962 To Dr. Avinash Kumar Verma for the period from 24/05/2021 To 23/05/2022. This certificate is issued subject to the conditions stipulated here under :-

CONDITIONS

1. The examinations and inspections shall be carried out in accordance with the provisions of the Act and the Rules made there under.
2. Tests, examination and inspections shall be carried out under direct supervision of the competent person.
3. Copies of examination certificate issued by you after due examination are to be marked to the Inspector of Factories concerned in all cases where defects are noticed and repairs are ordered or any alterations are imposed on its use.
4. The Chief Inspector of Factories, Chhattisgarh State, Raipur reserves the right to revoke, renew or amend this order at any time after giving opportunity of hearing.
5. All the testing facilities at the disposal of the competent person/institution/Association shall be maintained in good working order.
6. Any change in testing facilities (either addition or deletion) shall be intimated to the Chief Inspector of Factories, C. G. immediately.

ANTHONY Digitally signed by
Y TIRKEY ANTHONY TIRKEY
Date: 2021.05.29
13:16:55 +05'30'
**Dy. Chief Inspector of Factories
For Chief Inspector of Factories
Government of Chhattisgarh Raipur**

No. DIHS/C.G./RPR/C.C./4456466736A

Raipur, Dated 24-05-2021

Copy forwarded to :-

1. Shri Arvind Industrial Hygiene Consultancy, C-19, Tagore Nagar, Raipur in reference to application dated 01/03/2021
2. Dy. Director, Industrial Health & Safety, H.Q./ D.D. Raipur/ D.D. Hygiene Lab/ Bilaspur/ Durg/ Raigarh/ Korba/ Rajrandgaon, Assistant Director, Industrial Health & Safety, Jangir -Champa, Balodabazar for Information.

ANTHONY Digitally signed by
TIRKEY ANTHONY TIRKEY
Date: 2021.05.29
13:17:16 +05'30'
**Dy. Chief Inspector of Factories
For Chief Inspector of Factories
Government of Chhattisgarh Raipur**

CSR Expenses of Godawari Power & Ispat Limited for FY: 2021-22

Unit Name: GPIL, Siltara & HIRA Arcade-City Office

(1)	(2)	(3)	(4)	(5)	(6)
S.No.	CSR project or activity identified.	Sector in which the Project is covered. (Environment Conservation, Infrastructure Development, Sports, Health Care, Drinking Water, Infrastructural Development & Environment, Educational Support, Environmental any other)	Projects or Programs (1) Local area or other (2) Specify the State and district where projects or programs was undertaken.	Amount spent on the projects or programs Sub-heads: (1) Direct expenditure on projects or programs. (2)Overheads: (In lac.)	Amount spent: Direct or through implementing agency programs.
1	Salary paid to the temporary Staff i.e. 01 Teacher & 03 Night Guards in schools of nearby villages for promoting education & security of school campus	Education	Gram Panchayat Siltara, Mandhar & Tanda	2.42	Direct
2	Operation Cost of I.T.I. Hathband under Public Private Partnership (PPP)	Education	Hathbandh, Raipur	3.82	Direct
3	Providing Safe Drinking Water supply by Water Tankers in nearby villages during Summer.	Drinking Water	Gram Panchayat Tanda, Siltara, Mandhar, Charoda, Mohadi & Dharsiwa	10.69	Direct
4	Manpower engaged in Janpad Panchayat Office, Dharsiwa for maintenance of Plantation	Environment Conservation	Gram Panchayat Dharsiwa	1.10	Direct
5	Financial Aid provided to Aakanksha Lions School for Mentally Handicapped Children for smooth operation of school	Education	Raipur City	12.00	Direct to Aakanaksha Lions School
6	Monthly Financial Aid for livelihood of poor family (04 girls) of village Dhanell	Livelihood	Gram Panchayat Dhanell	0.60	Direct
7	Financial Aid for Medical Treatment to Ms. Aakarshika Pandey (Age-21 Yrs)	Health Care	Raipur City	5.00	Direct
8	Financial Assistance for COVID-19 Relief to Central Postal Ladies Organization	Medical Aid for COVID-19 Relief	Pan India	5.00	Direct
9	Financial Assistance for COVID-19 Relief to Gram Panchayat Siltara	Medical Aid for COVID-19 Relief	Gram Panchayat Siltara	0.50	Direct

S.No.	CSR project or activity identified.	Sector in which the Project is covered. (Environment Conservation, Infrastructure Development, Sports, Health Care, Drinking Water, Infrastructural Development & Environment, Educational Support, Environment, any other)	Projects or Programs (1) Local area or other (2) Specify the State and district where projects or programs was undertaken.	Amount spent on the projects or programs Sub-heads: (1) Direct expenditure on projects or programs. (2)Overheads: (In lac.)	Amount spent: Direct or through implementing agency
10	Repairing & Leveling of roads by providing slag material & JCB for nearby villages of GPIL during monsoon season	Infrastructure Development	Gram Panchayat Tanda, Siltara, Mandhar, Neurdihi, Charoda, Dharsiwa, Akoli etc.	5.08	Direct
11	Expenses of Vermi Compost, Manpower engaged in maintenance of 102 Acre Land Green Belt Area (Oxy Zone) in Siltara	Environment Conservation	Gram Panchayat Siltara	3.47	Direct
12	Financial Aid to Hargovind Rai Ganpatrai Charitable Trust for Setup of COVID Center	Medical Aid for Covid-19 Relief	Raipur City	2.00	Direct
13	Purchase & Transportation charges of Medical Oxygen Gas for Supply in Hospitals & COVID Care Centers	Medical Aid for Covid-19 Relief	Raipur, Kanker, Rajanadgaon, Kabirdhaam & Kawardha District	28.45	Direct
14	Financial Aid to Sumit Foundation for Ventilator Ambulance during Covid-19 Crises	Medical Aid for Covid-19 Relief	Raipur City	2.00	Direct
15	Construction of CC Road in Ward No-04 Village Tanda	Infrastructure Development	Gram Panchayat Tanda	9.93	Direct
16	Construction of CC Road in Ward No-19 at Village Mandhar	Infrastructure Development	Gram Panchayat Mandhar	3.57	Direct
17	Construction of CC Road in Ward No-01 & 02, Village Siltara	Infrastructure Development	Gram Panchayat Siltara	4.27	Direct
18	Installation of LED Street Lights for safety & convenience of villagers	Community Welfare	Gram Panchayat Mandhar	0.83	Direct
19	Pond Deepening & Cleaning at Village Tanda	Community Welfare	Gram Panchayat Tanda	19.75	Direct
20	Construction of Waiting Room & Storage Shade at Muktdhaam Mandhar (Balance work of 2020-21 completed in 2021-22)	Community Welfare	Gram Panchayat Mandhar	2.34	Direct
21	Financial Contribution to Feel Parmartham Foundation for Shelter to helpless Elderly & Mentally Ill Abandoned people	Community Welfare	Raipur & Durg District	0.15	Direct
22	Beautification & Plantation of Muktdhaam Kota, Raipur	Community Welfare	Raipur City	13.43	Direct
23	Plantation work in Dr. Radha Bai Naveen Girls College, Raipur	Environment	Raipur City	0.12	Direct
24	Plantation in Govt. Pt. Shyamacharan Shukla College, Dharsiwa	Environment	Gram Panchayat Dharsiwa	0.14	Direct

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25	Financial aid to Govt.Pt Shyamcharan Shukla College Dharsiwa for Skill Development Training	Education	Gram Panchayat Dharsiwa	1.00	Direct
26	Fixing of Fencing Pole in Gothan of village Tanda	Community Welfare	Gram Panchayat Tanda	2.12	Direct
27	Construction of 03 Class Rooms in Govt. School at Village Murethi (work under progress)	Infrastructure Development	Gram Panchayat Murethi	3.24	Direct
28	Fabrication of Bench, Dustbin & See-Saw for Public Places in nearby villages	Community Welfare	Gram Panchayat Tanda, Siltara, Mandhar, Akoli etc.	0.20	Direct
29	Maintenance of Garden & Fountain in Talibandha Chowk (Manpower, Land Escaping, Plantation Etc.)	Environment Conservation	Raipur City	6.37	Direct through R.R. Ispat
30	Maintenance expenses on Plantation at RKC Compound	Environment Conservation	Raipur City	4.16	Direct through R.R. Ispat
31	Expenses on Plantation in Ambleshwar	Environment Conservation	Ambleshwar	0.94	Direct through R.R. Ispat
32	Expenses on Plantation in Premises of Udyog Bhavan, Raipur	Environment Conservation	Raipur City	6.31	Direct through R.R. Ispat
33	Expenses on maintenance of Plantation at Industrial Area Siltara Chowk	Environment Conservation	Raipur City	54.47	Direct through R.R. Ispat
34	Financial aid for Breast Cancer Awareness Campaign organized by NH MMI Hospital	Health Care	Raipur City	3.69	Through NH MMI Hospital
35	Procurement of Remidisiver Injection on request of CHMO through Collector Kabirdhaam	Medical Aid for Covid-19 Relief	Kabirdhaam District	47.04	Direct
36	Financial support for Medical Treatment of a needy person through NH MMI Hospital	Health Care	Raipur City	1.00	Through NH MMI Hospital
37	Distribution of Blanket in Winter Season for needy people	Community Welfare	Raipur City	0.46	Direct
38	Financial Support to Ujjala Gram Sanghata (Women SHG)	Women Empowerment	Serikhrdi Raipur City	0.43	Direct
39	Purchase of T-Shirt / Caps on the eve of Women Day / Yoga Day	Women Empowerment	Raipur City	1.70	Direct
	Financial support for Vishwa Adiwasi Kalyan Samaj	Community Welfare	Raipur City	0.30	Direct
40	HIRA CSR Foundation			59.00	To HIRA CSR Foundation

S.No.	CSR project or activity identified.	Sector in which the Project is covered. (Environment Conservation, Infrastructure Development, Sports, Health Care, Drinking Water, Infrastructural Development & Environment, Educational Support, Environment, any other)	Projects or Programs (1) Local area or other (2) Specify the State and district where projects or programs was undertaken.	Amount spent on the projects or programs Sub-heads: (1) Direct expenditure on projects or programs. (2)Overheads: (In lac.)	Amount spent: Direct or through implementing agency
			TOTAL (In Lac)	329.28	

Unit Name: R.R. Ispat

1	Expenses on Plantation in Uria & Birgaon area	Environment Conservation	Raipur City	91.20	By R.R. Ispat
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CORPORATE ENVIRONMENT RESPONSIBILITY (CER) Expenses of Godawari Power & Ispat Limited, Siltara for FY: 2021-22

S.No.	Activities	Location	Budget Outlay for Project (in Lac.)	Amount spent on the projects (in Lac.)	Remark
1	Swachh Bharat Mission				
1.1	Swachh Bharat Mission - Drinking Water	-	-	-	-
1.2	Swachh Bharat Mission - Sanitation	-	-	-	-
1.2.1	CONSTRUCTION OF DRAIN IN WARD NO- AT VILLAGE GIRODH	GIRODH	5.00	4.53	WORK COMPLETED
2	Education				
2.1	CONSTRUCTION OF GOVT. PRI. SCHOOL BUILDING AT VILLAGE SILTARA	SILTARA	21.00	4.76	WORK UNDER PROGRESS
2.2	FURNITURES PROVIDED FOR GOVT. PT. SHYAMACHARAN SHUKLA COLLEGE	DHARSIWA	1.77	1.77	WORK COMPLETED
3	Skill Development for Self-Employment				
3.1	CONSTRUCTION OF TRAINING CENTER FOR WOMEN OF VILLAGE DHARSIWA	DHARSIWA	10.00	3.33	WORK UNDER PROGRESS
4	Rain water Harvesting				
4.1	DEVELOPMENT OF RAIN WATER HARVESTING STRUCTURE AT VILLAGE TANDA	TANDA	18.00	20.22	WORK COMPLETED
5	Plantation				
5.1	Avenue Plantation and Road plantation				
5.2	DEVELOPMENT OF GREEN BELT IN PANCHAYAT LAND (01 ACRE) AT VILLAGE TANDA	TANDA	1.14	1.14	WORK COMPLETED
5.3	PLANTATION IN PANCHAYAT LAND (0.25 ACRE) & GOVT. PRI. & MID. SCHOOL TANDA	TANDA	2.68	2.67	WORK COMPLETED
6	Infrastructure Development				
6.1	CONSTRUCTION OF CC ROAD IN WARD NO- AT VILLAGE GIRODH	GIRODH	3.00	3.28	WORK COMPLETED
6.2	CONSTRUCTION OF CC ROAD AT WARD NO. 5 MANDHAR	MANDHAR	6.00	7.39	WORK COMPLETED

S.No.	Activities	Location	Budget Outlay for Project (in Lac.)	Amount spent on the projects (in Lac.)	Remark
6.3	CONSTRUCTION OF STORE ROOM & OFFICE IN GOTHAN AT VILLAGE MOHADI	MOHADI	5.18	3.46	WORK UNDER PROGRESS
7	Health				
7.1	FREE AMBULANCE SERVICES TO GOVT. HOSPITAL, DHARSIWA DURING 2ND WAVE OF COVID-19	NEARBY VILLAGES	5.00	2.02	WORK COMPLETED
7.2	PORTABLE VENTILATOR PROVIDED TO SAI KRIPA HOSPITAL FOR COVID-19 RELIEF AID	SILTARA	1.20	1.20	WORK COMPLETED
8	Art, Culture & Sports				
8.1	CONSTRUCTION OF FOOT BRIDGE FROM SHITALA MANDIR, RADE TALAB TO DHIPRA GHAAAT FOR CULTURAL CONGREGATION	CHARODA	18.50	20.23	WORK COMPLETED
8.2	CONSTRUCTION OF WAITING ROOMS FOR CULTURAL CONGREGATION	LANDA	4.00	1.15	WORK UNDER PROGRESS
Total (In Lakhs)			102.47	77.12	

CSR Expenses of Godawari Power & Ispat Limited for FY: 2022-23

S.No.	CSR project or activity identified.	Sector in which the Project is covered. (Environment Conservation, Infrastructure Development, Sports, Health Care, Drinking Water, Infrastructural Development &	Projects or Programs (1) Local area or other (2) Specify the State and district where projects or programs was undertaken.	Amount spent on the projects or programs Sub-heads: (1) Direct expenditure on projects or programs. (2)Overheads: (In lac.)
1	Salary paid to the temporary Staff i.e. 02 Teacher & 03 Night Guards in schools of nearby villages for promoting education & security of school campus	Education	Gram Panchayat Siltara, Mandhar & Tanda	3.04
2	Operational Cost of I.T.I. Hathband under Public Private Partnership (PPP)	Education	Hathbandh, Raipur	6.07
3	Providing Safe Drinking Water supply by Water Tankers in nearby villages during Summer	Drinking Water	Gram Panchayat Tanda, Siltara, Mandhar, Charoda, Mohadi & Dharsiwa	13.87
4	Water Tankers engaged for Dust Suppression in Road of Village Mandhar	Community Welfare	Gram Panchayat Mandhar	2.79
5	Expenses on maintenance of Plantation in Janpad Panchayat Office, Dharsiwa	Community Welfare	Gram Panchayat Dharsiwa	1.00
6	Financial Aid for livelihood support of poor families	Livelihood	Gram Panchayat Dhaneli & Siltara	1.16
7	Financial Aid for Medical Treatment of needy children	Health Care	Raipur City	2.00

**CONSENT TO ESTABLISH
GODAWARI POWER & ISPAT LTD.**

SN	CONSENT TO ESTABLISH GRANTED BY CECB	MANUFACTURING FACILITY	CAPACITY
GODAWARI POWER AND ISPAT LTD			
1	Permission to establish letter No. 3962/TS/MPPCB/2000:DT.	SID <small>Plant Name</small>	1.05 Lakh/Year <small>1.05 lakh TPA/year</small>

S.No.	CSR project or activity identified.	Sector in which the Project is covered. (Environment Conservation, Infrastructure Development, Sports, Health Care, Drinking Water, Infrastructural Development &	Projects or Programs (1) Local area or other (2) Specify the State and district where projects or programs was undertaken.	Amount spent on the projects or programs Sub-heads: (1) Direct expenditure on projects or programs. (2)Overheads: (In lac.)
8	Financial Aid to Gurukul Mahila Mahavidyalaya, Raipur for Women Skill Development Training	Education	Raipur City	1.00
9	Financial Aid to "Friends of Tribal Society" for Ekal Vidyalaya in State of Chhattisgarh	Education	Raipur City	22.00
10	Repairing, Leveling & Cleaning of roads by providing slag material & JCB for nearby villages of GPIL during monsoon season	Infrastructure Development	Gram Panchayat Tanda, Siltara, Mandhar, Neuiridih, Charoda, Dharsiwa, Raipur City, Akoli etc.	4.61
11	Expenses on maintenance of Green Belt Area (Oxy Zone) in Siltara	Environment Conservation	Gram Panchayat Siltara	2.99
12	Financial Aid for Operational Cost of Navkaar Parisar Goushala, Berla -Bemetara	Community Welfare	Raipur City	5.00
13	Installation of Hi-Mast Light, Maintenance of Plantation in Muktidhaam, Sankra	Community Welfare	Gram Panchayat Sankra	4.54
14	Construction of Waiting Room in Muktidhaam, Siltara	Community Welfare	Gram Panchayat Siltara	2.41
15	Construction of CC Road & Drain, Ward No-11, Canal Road, Tanda	Infrastructure Development	Gram Panchayat Tanda	6.88
16	Construction of Pachri / Ghaat at Pond of Ward No-13, Mandhar	Infrastructure Development	Gram Panchayat Mandhar	0.76

S.No.	CSR project or activity identified.	Sector in which the Project is covered. (Environment Conservation, Infrastructure Development, Sports, Health Care, Drinking Water, Infrastructural Development &	Projects or Programs (1) Local area or other (2) Specify the State and district where projects or programs was undertaken.	Amount spent on the projects or programs Sub-heads: (1) Direct expenditure on projects or programs. (2)Overheads: (In lac.)
17	Construction of CC Road in Ward No-01 in front of School, Tanda (Work Under Progress)	Infrastructure Development	Gram Panchayat Tanda	11.46
18	Installation of LED Street Lights for safety & convenience of villagers	Community Welfare	Gram Panchayat Mandhar	0.57
19	Pond Cleaning at Village Mandhar	Community Welfare	Gram Panchayat Mandhar	3.00
20	Construction of Cultural Stage at Ward No-17, Mandhar	Infrastructure Development	Gram Panchayat Mandhar	8.42
21	Construction of Mangal Bhawan Ward No-01, Tanda (Work Under Progress)	Infrastructure Development	Gram Panchayat Tanda	5.46
22	Construction of Cultural Stage at Ward No-08 near Panchayat Office, Siltara	Infrastructure Development	Gram Panchayat Siltara	2.97
23	Construction of Waiting Rooms Ward No-14 near Bade Talab, Tanda	Community Welfare	Gram Panchayat Tanda	2.34
24	Beautification & Plantation of Muktidhaam Kota, Raipur	Community Welfare	Raipur City	0.76
25	Construction of 03 Class Rooms in Govt. School at Village Murethi (work under progress)	Infrastructure Development	Gram Panchayat Murethi	7.30
26	Expenses on Maintenance of Garden & Plantation at Swami Vivekananda Airport, Raipur	Environment Conservation	Raipur City	2.44
27	Expenses on Development of Garden at Dharsiwa	Community Welfare	Gram Panchayat Dharsiwa	4.24

S.No.	CSR project or activity identified.	Sector in which the Project is covered. (Environment Conservation, Infrastructure Development, Sports, Health Care, Drinking Water, Infrastructural Development &	Projects or Programs (1) Local area or other (2) Specify the State and district where projects or programs was undertaken.	Amount spent on the projects or programs Sub-heads: (1) Direct expenditure on projects or programs. (2)Overheads: (In lac.)
28	Maintenance of Garden & Fountain in Telibandha Chowk (Manpower, Land Escaping, Plantation Etc.)	Environment Conservation	Raipur City	8.51
29	Maintenance expenses on Plantation at RKC Compound	Environment Conservation	Raipur City	4.49
30	Expenses on Plantation in Ambleshwar	Environment Conservation	Ambleshwar	0.49
31	Expenses on Plantation in Premises of Udyog Bhavan, Raipur	Environment Conservation	Raipur City	4.30
32	Expenses on maintenance of Plantation at Industrial Area Siftara Chowk	Environment Conservation	Raipur City	73.03
33	HIRA CSR Foundation	Education, Health Care & Community Welfare	Raipur City & Nearby villages of GPIL & Mines	1,035.00
			TOTAL (In Lac)	1,254.91

**Corporate Environment Responsibility (CER) Expenses of Godawari Power & Ispat Limited, Siltara for FY:
2022-23**

S.No.	Activities	Location	Amount spent on the projects (in Lac.)	Remark
1	Swachh Bharat Mission - Drinking Water			
1.1	Borewell Digging at Ward No-10 near Muktidhaam, Mandhar & Ward No-01 near School, Tanda	Mandhar & Tanda	3.90	Work Completed
1.2	RO Machine for provided for clean Drinking Water at village Mandhar & Akoli	Mandhar & Akoli	0.23	Work Completed
2	Swachh Bharat Mission - Sanitation			
2.1	Renovation of Toilet Block in Charoda	Charoda	2.97	Work Completed
2.2	Garbage Rikshaw given for Safai Karmachari under Clean India Mission for Siltara & Tanda	Siltara & Tanda	0.56	Work Completed
2.3	Construction fo CC Drain ward no-18 &19, Girodh	Girodh	2.68	Work Completed
3	Education			
3.1	Free Computer Education to Promote Digital Education for Students	Near by villages	4.46	Work Completed
3.2	Ozone Day Celebration in Govt. Hr. Sec. Shcool, Mandhar	Mandhar	0.19	Work Completed
3.3	Construction & Renovation of Geeta Devi Memorial Govt. Middle School, Siltara	Siltara	6.18	Work Completed
3.4	Construction & Renovation of Govt. Primary & Middle School, Tanda	Tanda	5.91	Work Completed
3.5	Construction of Additional Classrooms in Govt. Primary School, Siltara	Siltara	4.94	Work under Progress
4	Plantation			
4.1	Stone Pitching Work in Pond for better Water Conseravation, Ward No-03, Akoli	Akoli	2.80	Work under Progress
4.2	Development of Plantation Area in Mendhar Siding Road & School Tanda	Near by villages	2.25	Work Completed
5	Infrastructure Development			
5.1	Construction of Office & Store Room in Gothan Premises, Ward No-04, Mohadi	Mohadi	1.81	Work Completed
5.2	Construction of CC Raod Ward No-18 & 19, Girodh	Girodh	4.37	Work Completed
5.3	Construction of CC Raod Ward No-1,4,5, Dharsiwa	Dharsiwa	4.46	Work under Progress
5.3	Construction of CC Raod Ward No-18, Mahua Talab, Mohadi	Mohadi	5.21	Work Completed
5.3	Construction of CC Raod Ward No-11,12,02,19 & 16	Mandhar	51.24	Work under Progress
5.3	Construction of CC Raod from Welcome Gate Tanda towards Mohadi Turning	Tanda	74.76	Work Completed
6	Health			
6.1	Construction of PSPC Boundary Wall in Health Center, Ward No-10, Akoli	Akoli	4.33	Work Completed
6.2	Health Related Initiatives : Health Camps in Mandhar, Siltara & Tanda	Mandhar, Siltara & Tanda	2.28	Work Completed
7	Skill Development, Community Welfare			
7.1	Construction fo Waiting Room at Muktidhaam, Mohadi	Mohadi	5.43	Work Completed
7.2	Construction of Sitching & Tailoring Center for Women, Ward No-07, Dharsiwa	Dharsiwa	7.43	Work Completed
Total (In Lakhs)			198.40	

NOTICE

This is to inform that M/s Godawari Power & Ispat Limited having its registered office at plot no.426/2, Phase-I, Siltara Industrial Area, District Raipur, C.G. has received an Environment Clearance from Ministry of Environment Forests & Climate Change, Government of India, New Delhi vide letter no. E. No J-11011326/2005-IA.II(I) dated 1st December, 2020 for Expansion, Modernization of existing facilities along with integration of existing environmental clearances (Sponge Iron Plant - 6,50,000 TPA; Capacity enhancement of Steel Melting Shop from 4,00,000 TPA to 7,00,000 TPA; Power Generation - 75 MW; Ferro Alloys - 16,500 TPA; Pig Iron - 33,000 TPA; H.B. Wire - 1,00,000 TPA; Oxygen & Nitrogen Plants; Fly Ash Brick Plant; Iron Ore Beneficiation - 10,00,000 TPA; Rolling Mill - 4,00,000 TPA; Induction Furnace for Casting in place of Arc Furnace - 5,000 TPA; Iron Ore Pellet Plant - Capacity enhancement from 21,00,000 TPA to 24,00,000 TPA; Coal Gasification System - 60,000 Nm³/hr to 92,000 Nm³/hr; Slag Crushing Plant - 1,75,000 TPA and Mineral Grinding Unit - 2,00,000 TPA) at its existing plant premises at Phase-I, Industrial Area, Siltara, District Raipur Chhattisgarh and the same is available with CEGB and at Ministry's website at <http://environmentclearance.nic.in>

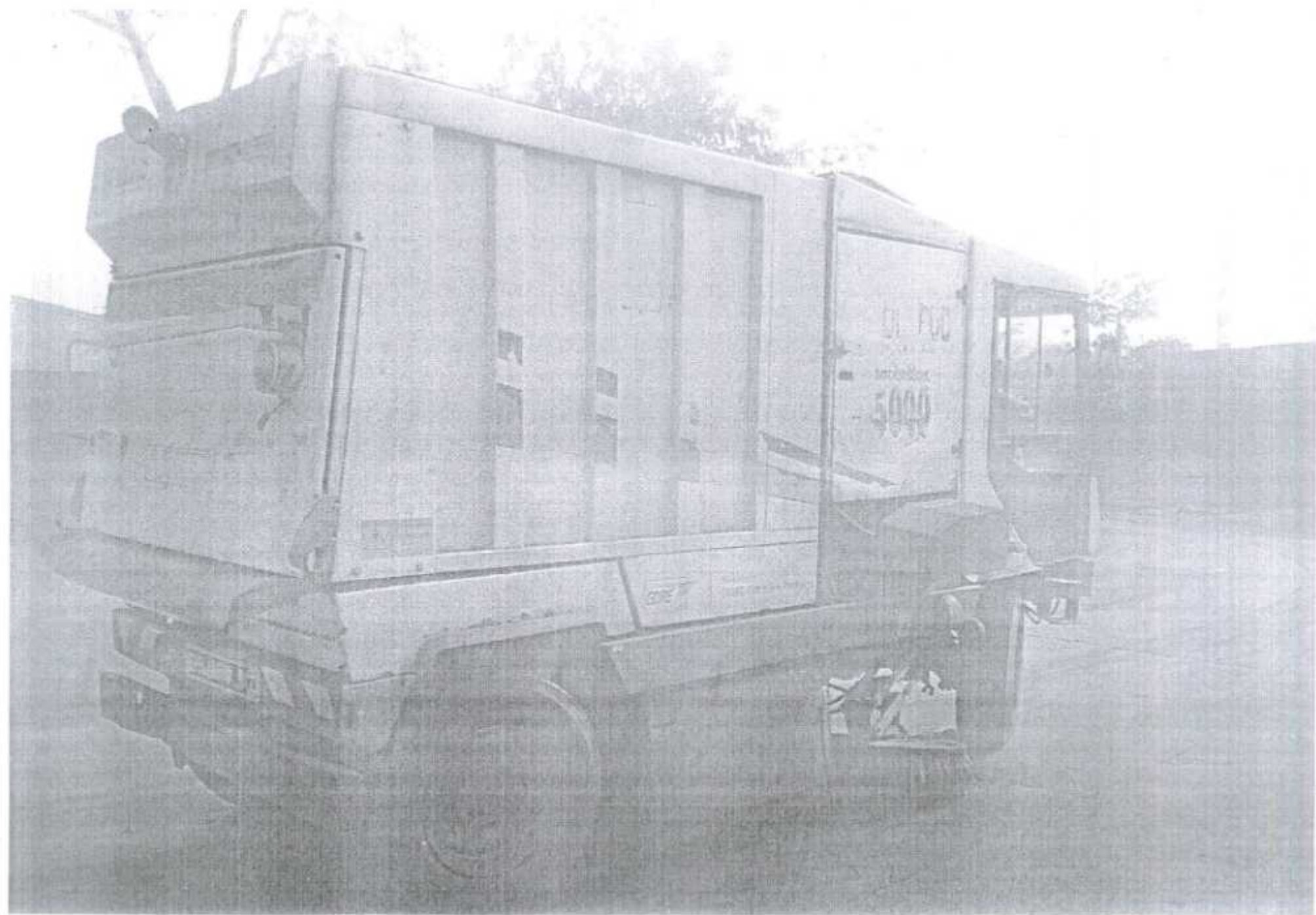
For Godawari Power & Ispat Limited
Y.C. Rao
Company Secretary

सूचना

सर्वसाधारण को सूचित किया जाता है कि मेसर्स गोदावरी पावर एण्ड इस्पात लिमिटेड (रजिस्टर्ड ऑफिस प्लॉट नंबर - 428/2, फेस-1, इण्डस्ट्रियल एरिया, मिलतरा-493111, जिला रायपुर, छ.ग.) को पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली के पत्र क्रमांक F.No.J-11011/326/2005-IA.II(1) दिनांक 3rd December, 2020 द्वारा विस्तार, मौजूदा सुविधाओं का आधुनिकीकरण के साथ मौजूदा पर्यावरण मंजूरी के एकीकरण (स्पंज आयरन प्लांट - 6,50,000 TPA; क्षमता वृद्धि स्टील बिलेट्स 4,00,000 TPA से 7,00,000 TPA; विद्युत संयंत्र - 73 MW; फेरो अलॉयज - 16,500 TPA; पिग आयरन - 33,000 TPA; एच.सी रॉयर - 1,00,000 TPA; ऑक्सीजन और नाइट्रोजन प्लांट; फ्लाइ ऐश प्लांट; आयरन ओर बेनिफिकेशन प्लांट - 10,00,000 TPA; रोलिंग मिल - 4,00,000 TPA; अभियांत्रिकी एवं कॉस्टिंग हेतु आंक भट्टी से प्रवर्तन भट्टी - 5,000 TPA; आयरन ओर पैलेट - क्षमता विस्तार - 21,00,000 TPA; से 24,00,000 TPA; कोल गैसीफिकेशन सिस्टम - 60,000 Nm³/hr से 92,000 Nm³/hr; स्लैग क्वेशिंग प्लांट - 1,75,000 TPA, एवं मिनरल ग्राइंडिंग यूनिट - 2,00,000 TPA) हेतु स्थापित संयंत्र परिसर फेस-1, इण्डस्ट्रियल एरिया मिलतरा, जिला रायपुर, छ.ग. को पर्यावरण स्वीकृति प्राप्त हुई है जिसकी जानकारी सीईसीबी एवं मंत्रालय के वेबसाइट <http://environmentclearance.mca.gov.in> पर उपलब्ध है।

खास्ते गोदावरी पावर एण्ड इस्पात लिमिटेड
वाई. सी. राव
कंपनी सचिव





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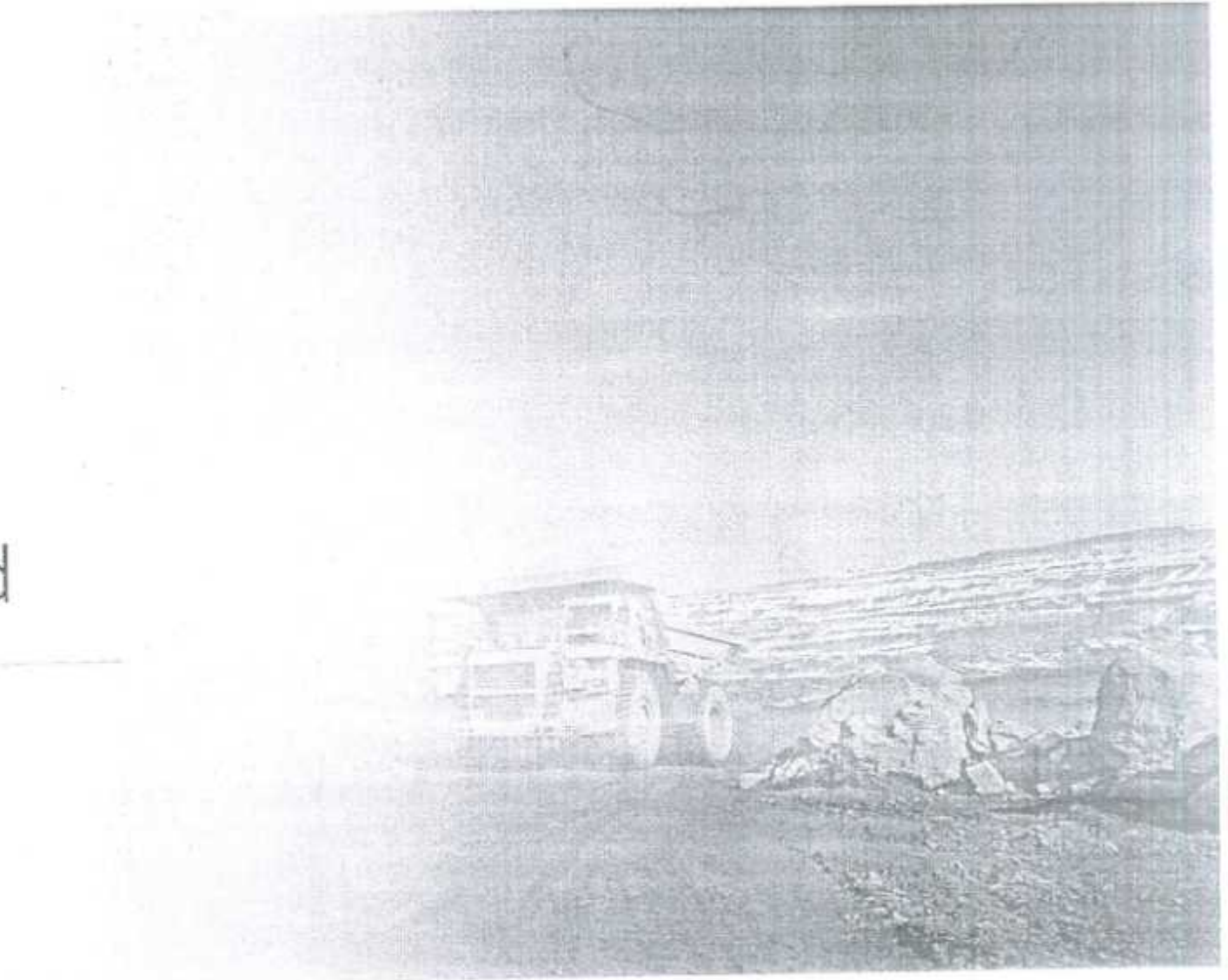
Decarbonization

Godawari Power and Ispat Limited

Implementation Roadmap



April 2023



Agenda

1	Issues identified through Materiality Assessment	03
2	Targets undertaken by GPIL	05
3	Implementation Roadmap	11

Targets Undertaken by GPIL - Environment

Area	KRA	Target	FY21	FY22	Target Year	
ENVIRONMENT	GHG Emissions	Achieve Net Zero Emissions	2,681,381 tCO2e	2,675,949 tCO2e	FY 2070	
		Reduction in scope 1 & 2 emissions by 10% from a baseline of FY 2021	2,681,381 tCO2e	2,675,949 tCO2e	FY 2030 Scope 1 & 2 emissions – 2,413,243 tCO2e	
		Start capturing scope 3 emissions	NA	NA	FY 2025	
	Energy Management	Up to 35% green energy in company's portfolio through solar & biomass (GPIL)		21%	19%	FY 2025
		Reduction in heat rate by 8% (3,986 kCal/kWh) from a baseline of FY 2021 (GPIL)		NA	43,32 kCal/kWh	FY 2025
		Reduce overall SEC (Specific Energy Consumption) TOE/Ton by 3.5% (0.471 TOE/Ton) YoY with FY 2022 as baseline considered in PAT (Perform, Audit & Trade) Mechanism. (GPIL)		0.495 TOE/Ton	0.488 TOE/Ton	FY 2025
	Water Management	Reduce total water consumption by 3.5% YoY with FY 2022 as baseline		3,173,921 m ³	3,211,764 m ³	FY 2027
		Recharge 100% of ground water extracted YoY		NA	NA	YoY
		100% recycling of all effluent water at sites		NA	NA	YoY

Targets
undertaken by
GPIL



Targets Undertaken by GPIL - Environment

Area	KRA	Target	FY21	FY22	Target Year	
ENVIRONMENT		Sustain the fly ash utilization at 100%.	NA	NA	YoY	
		Maintain zero incineration	NA	NA	YoY	
	Waste Management		Recycle 1% to total waste generated YoY	NA	NA	YoY
			Zero-Waste-to-Landfill (ZWL) Certified Company for 100% of business activities (GPIL)	41.74%	65.49%	FY 2026 63.49% (1% YoY reduction)
	Biodiversity		Review of site-biodiversity risk across all locations (GPIL)	NA	NA	FY 2024
			Aspire to become a "No Net loss to biodiversity" certified company	NA	NA	FY 2026
	Product Stewardship		Attain Responsible Steel Certification	NA	NA	FY 2024

Targets Undertaken by GPIL - Social

Area	KRA	Target	FY21	FY22	Target Year
SOCIAL	Health & Safety (GPIL)	Aim to maintain zero fatalities	1	1	YoY
		Sustain TRIFR (Total Reportable Incident Frequency Rate) at existing rate and target to achieve zero	0.09%	0.08%	YoY
		Sustain NMFR (Near Miss Frequency Rate) at existing rate and target to achieve zero	0.28%	0%	YoY
		Cover 100% employees under Periodical Health Check up initiative	30.44%	77.07%	FY 2025
		Conduct Occupational Health & Safety Awareness to cover 100% Employees & Workers	1.02%	3.36%	FY 2030
	Health & Safety (Kachche Mines)	Aim to maintain zero fatalities	0	0	YoY
		Sustain TRIFR (Total Reportable Incident Frequency Rate) at existing rate and target to achieve zero	0	0	YoY
		Sustain NMFR (Near Miss Frequency Rate) at existing rate and target to achieve zero	0.30	0.56	YoY
		Cover 100% employees under Periodical Health Check up initiative	NA	NA	FY 2027
		Conduct Occupational Health & Safety Awareness to cover 100% Employees & Workers	NA	75.18	FY 2030

SMS ENERGY & WATER CONSUMPTION TARGETS

OBJECTIVES	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	REMARK	Saving of Carbon
SPECIFIC ENERGY KWH /T	890	885	880	877	875	BY REPLACING HIGH FREQUENCY FURNACES TO LOW FREQUENCY FURNACES	5820 Tones of Co2
RAW WATER CONSUMPTION CuM/T of BILLET	1.238	1.154	1.12	1.1	1	COOLING TOWERS TO CROSS FLOW TOWERS AND	

ESG(Environment, Social & Governance)

KPI-2: Reduce the Power Plant Phase#1 plant heat rate by 8%.

Action Plan to meet the target: By Installation of Energy Efficient 48MW TG set in Phase#1 Power Plant.

Mitigation Measures: 48MW New Energy Efficient TG Set is expected to commission in April-2023.

ESG(Environment, Social & Governance)

KPI-2: Reduce the Power Plant Phase#1 plant heat rate by 8%.

Power Plant Phase#1 Heat Rate

Existing Plant Heat Rate	4332	Kcal/Kwh
48MW Plant Heat Rate	3913	Kcal/Kwh
Expected reduction in Heat Rate	9.69%	
Remarks		
1. Considering AFBC-2, WHRB-1&WHRB-2 running at 100,21&35(156TPH) i.e. 34MW.		
2. Such condition Turbine Heat rate 3130Kcal/Kwh (Plant Heat will be 3913Kcal/Kwh).		

ESG(Environment, Social & Governance)

KPI-3: Reduce GPIL Overall SEC(Specific Energy Consumption) TOE/Ton by 3.5% YoY with FY 2018-19 as baseline considered in PAT(Perform Audit & Trade) Mechanism.

Action Plan to meet the target: In PAT(Perform Achieve & Trade) scheme we had given the target to reduce SEC(Specific energy consumption) by 3.77%. Base Line year data is taken from FY2018-19(which is taken in PAT scheme).

Mitigation Measures:

1. 48MW New Energy Efficient TG Set is expected to commission in April-2023.
2. Replacement of Small Electric Arc Furnace by bigger capacity in Steel melting shop.
3. Using 100% Pellet in Sponge Iron production process.
4. Replacement of all old motors with Energy Efficient motors with provision of VFD drive.

ESG(Environment, Social & Governance)

KPI-3: Reduce GPIL Overall SEC(Specific Energy Consumption) TOE/Ton by 3.5% YoY with FY 2018-19 as baseline considered in PAT(Perform Audit & Trade) Mechanism.

SEC level for GPIL as per PAT calculation

Base line 2018-19	0.5061	TOE/Ton
PAT Target year 2024-25	0.4870	TOE/Ton
Reduction target given by BEE	3.77%	

ESG Target - SID

1. Reduction in Water Consumption.

Target:-

Specific water consumption FY21-22 (m3/MT)	Specific water consumption FY26-27 (m3/MT)
0.77	0.70

Action Plan:-

Sl.No.	Action	Resources Required	Cost
1	Increasing the size of recycle tank of SID PH1&2. Collecting water at cold well from recycle pit.	Recycle Tank size 20x20x10 feet ³	3,00,000/-
2	Collecting all waste water at recycle tank.	GI gutter total length required – 1100m 1m GI gutter cost – 270/-	3,00,000/-
3	Water Harvesting	MS pipe Ø250mm total length required- 110m 1m MS pipe cost- 3700/-	4,00,000/-
4	Installing water limit switch in all wet scrappers.	Magnetic float operated guided level switch with valve for 8 wet scrappers	1,60,000/-
Total			11,60,000/-

3. Reduction in Power Consumption.

Target:-

Power Consumption FY21-22 (KWH/MT)	Power Consumption FY26-27 (KWH/MT)
62.56	56.36

Action Plan:-

Sl.No.	Action	Resources Required	Cost
1	Compressor energy optimization.	MS pipe line 3"- 230m 3" ball valve- 15nos	1,20,750/- 84,000/-
2	AC drives in cold well pump, CB fan & Root blower of Kiln-1	Drive with Panels - 5 nos	20,00,000/-
3	Pump energy optimization	Automatic flow control Valves -10 Nos	30,00,000/-
Total			52,04,750/-

4. Reduction in Specific Carbon Consumption.

Target:-

Specific carbon consumption FY21-22 (KG/MT of DRI)	Specific carbon consumption FY26-27 (KG/MT of DRI)
440	430*

*Subjected to the condition of 100% RB-1 coal & High grade Pellet.

Annex III

Char & Dolochar Generation and Utilization Details

Financial Year 2021- 22

Opening Stock (MT)	Generation (MT)	Utilized in Power Plant at GPIL & Group Unit (MT)	Sold to Brick plants and used for land filling (MT)	Closing stock (MT)
5761	48139	44043	8176	187

Financial Year 2022- 23

Opening Stock (MT)	Generation (MT)	Utilized in Power Plant at GPIL & Group Unit (MT)	Sold to Brick plants and used for land filling (MT)	Closing stock (MT)
187	51823	34035	12535	5559

GODAWARI POWER & ISPAT LTD

DOLOCHAR SALE DURING FY 21-22 & FY 22-23

Utilization Details	PARTY NAME	QUANTITY (MT)	
		FY 21-22	FY 22-23
Utilized in Power Plant at GPIL & Group Unit	ALOK FERRO ALLOYS LIMITED	572.98	
	ANAND CONSTRUCTIONS	6,570.65	
	Hira Ferro Alloys Ltd.	1,128.98	
	Hira Power & Steels Ltd.	0.00	662.07
	JAGDAMBA POWER & ALLOYS LTD.	29,816.75	11,873.32
	Nanesh Project	5,953.97	
Sold to Brick plants and used for land filling	Veekay Minerals Pvt. Ltd.	99.82	
	VIMLA INFRASTRUTURE (INDIA) PVT. LT	209.7	
	Ghanshyam Gahir	831.7	12535.39
	Hemant Dubey	707.64	
	Jagdish Mandal	798.74	
	Lakhpatt Kushwaha	788.99	
	Lomesh Chandrakar	830.44	
	Phanesh Sahu	799.9	
	Ravi Diwakar	707.74	
	Shiv Charan Baijpai	818.56	
	Sushil Paswan	806.96	
	Vinod Kumar Mishra	776.04	
Total		52220	25071

AMBIENT AIR QUALITY MONITORING REPORT
(PERIOD OCT,22 to Mar, 23)

SN	Location	Parameter	Result ($\mu\text{g}/\text{m}^3$)					Prescribed Standard $\mu\text{g}/\text{m}^3$	
			OCT,22	NOV,22	DEC,22	JAN,23	FEB,23		MAR,23
1	Guest House (East)	PM10 ($\mu\text{g}/\text{m}^3$)	60.0	60.06	59.01	60.22	61.28	62.34	100
		PM2.5 ($\mu\text{g}/\text{m}^3$)	28.6	29.7	28.1	29.88	30.85	30.98	60
		SO ₂ ($\mu\text{g}/\text{m}^3$)	14.6	17.2	18.0	18.34	19.41	20.34	80
		NOx ($\mu\text{g}/\text{m}^3$)	24.2	25.1	26.2	26.77	27.61	28.22	80
2	Siltara Boundary (West)	PM10 ($\mu\text{g}/\text{m}^3$)	58.7	59.51	58.67	59.39	60.01	60.68	100
		PM2.5 ($\mu\text{g}/\text{m}^3$)	28.3	29.2	27.5	30.11	31.01	31.82	60
		SO ₂ ($\mu\text{g}/\text{m}^3$)	14.6	16.0	16.8	16.88	17.95	19.06	80
		NOx ($\mu\text{g}/\text{m}^3$)	25.2	24.9	25.8	24.48	25.31	26.29	80
3	Tada Boundary (North)	PM10 ($\mu\text{g}/\text{m}^3$)	59.4	59.46	59.23	60.43	61.34	62.22	100
		PM2.5 ($\mu\text{g}/\text{m}^3$)	29.5	30.6	30.3	30.36	31.27	32.16	60
		SO ₂ ($\mu\text{g}/\text{m}^3$)	13.8	15.6	16.0	15.40	16.30	17.28	80
		NOx ($\mu\text{g}/\text{m}^3$)	23.9	25.2	26.1	26.11	27.01	28.10	80
4	Brick Unit (South)	PM10 ($\mu\text{g}/\text{m}^3$)	58.7	58.05	59.30	60.06	61.03	62.11	100
		PM2.5 ($\mu\text{g}/\text{m}^3$)	26.8	29.7	28.3	31.26	32.07	31.86	60
		SO ₂ ($\mu\text{g}/\text{m}^3$)	15.0	17.1	18.4	17.75	18.17	19.23	80
		NOx ($\mu\text{g}/\text{m}^3$)	24.0	24.4	25.2	25.51	26.47	26.78	80

S. Gupta

STACK EMISSION MONITORING REPORT

(PERIOD - APRIL, 22 to SEPTEMBER, 22)

Stack no.	Stack Connected with	Result (mg/Nm ³)						Prescribed Standard (mg/Nm ³)
		OCT,22	NOV,22	DEC,22	JAN,23	FEB,23	MAR,23	
1	Kiln No. 01 & AFBC (70tph Boiler)	22.7	23.7	22.8	24.0	28.0	26.4	50
2	Kiln No. 02 & Biomass (100tph Boiler)	43.8	41.4	29.2	42.3	41.6	S/D	50
3	Kiln No. 03 & 04	38.6	34.2	28.4	34.8	S/D	26.0	50
4	Pellet Plant (0.9 MTPA)	24.2	25.9	23.6	26.6	25.8	24.8	28
5	Ferro Alloy	27.3	23.9	22.6	24.8	23.8	24.6	30
6	SMS (BF)	22.5	24.7	22.8	25.4	S/D	24.2	30
7	Pellet (1.8 MTPA)	21.3	23.4	24.5	24.2	24.1	25.4	28

Note- S/D - Shutdown



TREATED WATER QUALITY ANALYSIS REPORT
(PERIOD - Oct, 22 to Mar, 23)

S N	Characteristics	Permissible Limits	Analysis Result						Analysis Method
			OCT,22	NOV,22	DEC,22	JAN,23	FEB,23	MAR,23	
1	pH	6.0-8.5	7.49	7.23	7.41	7.28	7.38	7.44	IS 3025: Part 11
2	TSS	100.0 mg/l	38.0	33.0	38.0	34.4	36.0	38.6	IS 3025: Part 17
3	Chemical Oxygen Demand (COD)	250.00 mg/l	148.0	76.0	68.0	78.0	80.2	82.0	ASTM: D1252-06
4	Biochemical Oxygen Demand (BOD) at 27°C	30.00 mg/l	13.0	15.3	14.6	18.6	18.8	18.2	IS 3025: Part 27
5	Oil & Grease	10.00 mg/l	ND	ND	ND	ND	ND	ND	IS 3025: Part 39

Saya.

Industry: All Industry Type: All Emission Type: All State: All

Industry	Site	Industry Type	Emission Type	In-Gauge	Status	Connection	Online Reason	Requested
Godavari Power And Co Ltd	Stack_1_Paper Part_18 Times Corator	Iron & Steel	CO2	Yes	Online	...	...	21/06/2023 12:00
Godavari Power And Co Ltd	Stack_2_Paper Part_18 Times Corator	Iron & Steel	CO2	Yes	Online	...	...	21/06/2023 12:00
Godavari Power And Co Ltd	Stack_3_Air_Purifier_Vent_Stack_Part 0	Iron & Steel	CO2	Yes	Online	...	...	21/06/2023 12:00
Godavari Power And Co Ltd	Stack_4 CO2	Iron & Steel	CO2	Yes	Online	...	...	21/06/2023 12:00
Godavari Power And Co Ltd	Stack_1 CO2	Iron & Steel	CO2	Yes	Online	...	...	21/06/2023 12:00
Godavari Power And Co Ltd	Stack_2 CO2	Iron & Steel	CO2	Yes	Online	...	...	21/06/2023 12:00
Godavari Power And Co Ltd	Stack_3 CO2	Iron & Steel	CO2	Yes	Online	...	...	21/06/2023 12:00

Production data from FY 20 - 21 to FY 22- 23

SN	Division/Unit	Product	FY 20 -21	FY 21- 22	FY 22 -23
1	Pellet Plant	IRON ORE PELLETT	22,56,550.00	2399500	2616550
2	Sponge Iron Division	SPONGE IRON	4,94,991.00	494982	494991
3	Steel Melting Shop	BILLET	3,50,865.00	327050.41	325070
4	Rolling Mill	WIRE ROD	1,28,620.42	130606.717	172923
5	Wire Drawing unit	HB WIRE	64,628.00	18400.197	53617
6	Ferro Alloy Unit	SILICO MANGANESE	14,177.75	16152.2	16492
7	Power Plant Division	Power Plant KWH	44,42,00,045.00	428559373	367127360

Saya.