

**ENVIRONMENT CLEARANCE COMPLIANCE REPORT**  
**Government of India Ministry of Environment, Forest & Climate Change (SEIAA)**  
**EC Identification No. EC22B008CG195073**  
**RAM UDYOG PRIVATE LIMITED**  
**Limahi road-Industrial Area, Siltara Phase-II Chhattisgarh 493111**  
**Period - Oct. 2024-March 2025**

Sr. No.	Consent Condition	Compliance Report
<b>I</b>	<b>Statutory Compliance</b>	
i	The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Chhattisgarh Environment Conservation Board (CECB).	Consent to Establish from CECB has been obtain vide their letter no. 4651/TS/CECB/2022 dtd. 07/10/2022
ii	The project proponent shall obtain all necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	NOC from CGWA has been taken vide their certificate no. CGWA/NOC/IND/REN/1/2023/7606 dtd. 14.04.2023 which is valid till 14.05.2025. <b>Annexure-1</b>
iii	The project proponent shall obtain authorization under the Hazardous and Other Waste Management Rules, 2016 as amended from time to time.	Hazardous waste authorization has been obtained under Hazardous and Other Waste Management Rules, 2016 vide their letter no 8677/HSMD/HO/CECB/2024 01.02.2024 the same is valid till 15.08.2028 <b>Annexure-2</b>
<b>II</b>	<b>Air Quality Monitoring &amp; Prevention</b>	
i	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277(E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time, and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act 1986 or NABL accredited laboratories.	Continuous Emission Monitoring system to monitor dust emission has been installed on all process stack and the same is connected to CPCB / SPCB portal for online real time data transfer. <b>Annexure-3A-3C</b>  Periodically Stack monitoring for Dust emission is being carried out through NABL approved lab and same is being submitted to SPCB and the quarterly monitoring report for Oct-Dec 2024 & Jan-Mar 2025 is attached for <b>Annexure-4A &amp; 4B</b>
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act 1986 or NABL accredited laboratories.	Fugitive dust emission monitoring is being conducted at various locations within the plant, periodically as directed. The report is being submitted to CECB. <b>Annexure-5</b>
iii	The project proponent shall make provision for carryout Ambient Air Quality monitoring for common / criterion parameters relevant to the main pollutant released (e.g. PM10 and	Ambient Air Monitoring is being conducted at four locations at the boundary of plant premises in up wind and down wind directions.

	PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> and NO, in reference to SO <sub>2</sub> and NO, emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	The report is being submitted to CECB periodically. <b>Annexure-4A &amp; 4B</b>		
iv	<p>The project proponent shall provide adequate air pollution control arrangements at all point and non point sources. Collecting hoods with bag filters along with fume extraction system of adequate capacity and high efficiency shall be installed in induction furnace with com with hot charge rolling mill with minimum 30 meter stack height to ensure particulate matter emission less than 30 mg/Nm<sup>3</sup> all the time. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags. Project proponent shall install suitable &amp; effective air pollution control equipment at all transfer points, junction points etc. also. All the conveying system, transfer point, junction point etc. shall be covered Adequate provision shall be made for sprinkling of water at strategic locations to ensure dust does not get air borne. For controlling fugitive dust, regular sprinkling of water in vulnerable areas of the plant shall be ensured All air pollution control systems shall be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay, otherwise, similar alternate arrangement shall be made. In the event of any failure of any pollution control system adopted by the Project proponent, the respective production unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. As per proposal submitted emission of pollutants from any point source shall not exceed the following limit:-</p> <table><tr><td>Particulate Mater</td><td>30 mg/nm3 (Thirty milligram per Normal Meter cube</td></tr></table> <p>Project proponent shall provide proper space provision for further retrofitting of air pollution control systems in case of further stringency of particulate matter emission</p>	Particulate Mater	30 mg/nm3 (Thirty milligram per Normal Meter cube	<p>Air Pollution Control system has been installed in connection to all process stacks.</p> <ul style="list-style-type: none"><li>At Kiln 1&amp;2 , 3&amp;4 stack two field ESP is installed, at CPP boiler stack two field ESP is installed and at Billet CCM stack two field ESP is installed to control the stack emission and maintain the emission within 30 mg/Nm<sup>3</sup>.</li><li>To control fugitive dust emission from Conveying system Bag filter is installed.</li><li>To control the fugitive dust emission within the plant and ground level water sprinkling system is installed and being operated periodically..</li></ul> <p><b>Annexure-6</b></p> <ul style="list-style-type: none"><li>Stack Emission monitoring results</li></ul> <p><b>Annexure-4A&amp;4B</b></p>
Particulate Mater	30 mg/nm3 (Thirty milligram per Normal Meter cube			

	limit. The height of any other stack(s) shall not be less than 30 meters.	
v	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/fugitive emissions to Integrated Regional Office of Ministry of Environment, Forest and Climate Change, Raipur, Zonal office of CPCB and Regional Office of Chhattisgarh Environment Conservation Board (CECB) along with six-monthly monitoring report.	Stack Emission, Fugitive dust emission and Ambient air quality monitoring is being carried out periodically and being submitted to IRO MoEFCC as directed in the condition. <b>Annexure-4A&amp;4B</b>
vi	Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Mobile vacuum cleaner has been ordered and is in process of manufacturing and delivery at site. P.O. Copy attached as <b>Annexure-7</b>
vii	Recycle and reuse iron ore fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process	Iron ore fines and other iron ore solid waste is being collected and recycled back to process or reuse by selling to outside recycler.
viii	The project proponent shall use mechanically covered leak proof trucks dumpers vehicles for transportation of raw materials	The trucks / dumpers used for transporting raw material is covered with tarpaulin and vehicles are leak proof. <b>Annexure-8A-8B</b>
ix	At entry and exit point of plant, wheel wash system shall be provided to control wheel generated dust	Noted and the same shall be complied with.
x	Provision for monitoring of vehicles by installation of closed circuit cameras (CCTV) at suitable locations of entry gate weigh bridge, internal parking area etc shall also be made to ensure the incoming and outgoing vehicles are mechanically covered.	<ul style="list-style-type: none"> <li>The trucks are leak proof, this point is being taken care while giving the contract and selecting the trucks.</li> <li>To prevent spillage and wind dispersal during transportation, the trucks are manually covered with tarpaulin and securely tied up.</li> <li>Mechanically covered trucks are currently not available in the local or nearby markets from which vehicles are hired. <b>Annexure-9</b></li> </ul>
xi	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron etc.	The raw material is being stored in Covered Shade. <b>Annexure-10</b>
<b>III</b>	<b>Water Quality Monitoring &amp; Preservation</b>	
I	The project proponent shall provide adequate facility for proper treatment of industrial effluent and domestic effluent. Sewage Treatment arrangement shall be provided for treatment of domestic effluent to meet the prescribed standards. Project proponent shall ensure the treated effluent quality within standard prescribed by Ministry of Environment, Forest and Climate	<p>The effluent generated from process section and CPP is treated in 150 KLD Effluent Treatment Plant, which is already in operation. The treated effluent is reused for the washing of the road through tanker and shop floor washing. <b>Annexure-11</b></p> <p>Sewage generated from Canteen and other building of industries is treated in 20 KLD</p>

	Change, Government of India under G.S.R 277(E) dated 31 March 2012 (applicable to IF/EAF) as amended from time to time. No effluent shall be discharged out of plant premises under any circumstances. Any liquid effluent what so ever generated shall not be discharged into the river or any surface water bodies under any circumstances, and it shall be reused wholly in the process plantation within plant area. Adhere to 'Zero Liquid Discharge	Sewage Treatment Plant (STP). The treated sewage after PSF and ACF is collected in collection pit and reused for irrigation purpose and green belt development. <b>Annexure-12</b>  Hence following Zero Discharge Condition.
ii	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers / sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories	Ground water monitoring is being carried out twice in a year from two locations identified within the plant premises. The analysis is conducted through NABL lab and the report is being submitted. <b>Annexure-13</b>
iii	The project proponent shall submit monthly summary report of effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Integrated Regional Office of Ministry of Environment, Forest and Climate Change, Raipur, Zonal office of CPCB and Regional Office of Chhattisgarh Environment Conservation Board (CECB) along with six-monthly monitoring report.	Treated Effluent and ground water monitoring and testing is being conducted periodically as directed through NABL lab and same is being submitted to IRO-MoEFCC & CECB with the compliance report. <b>Annexure-4A&amp;4B</b>
iv	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.	Storm water drain has been constructed along the plant premises and the drain has no connection with plant effluent. The rain water falling during rainy season within premises is discharged out side the plant boundary and in reset of the months during summer and winter the storm water drains are dry and any water flowing in stormwater drain is collected in collection pit.
v	Project proponent shall take prior permission of CGWA/ competent authority for usage of water.	NOC from CGWA has already been take for the use of Ground water. <b>Annexure-1</b>
vi	The project proponent shall practice rainwater harvesting to maximum possible extent. Rain water harvesting within the premises shall be complete within 1 month.	Rain water harvesting structure has been constructed within the plant premises for the collection of rain water and recharging the ground water.
vii	The project proponent shall make efforts to minimize water consumption in the plant by segregation of used water, practicing cascade use and by recycling treated water.	Noted and being complied with.
<b>IV</b>	<b>Noise Monitoring &amp; Prevention</b>	
i	Noise level survey shall be carried as per the prescribed guidelines and report in this	Noise monitoring is being carried out periodically and the report is being submitted



	regard shall be submitted to Integrated Regional Office of Ministry of Environment, Forest and Climate Change, Raipur as a part of six monthly compliance report.	to IRO-MoEFCC & CECB along with the compliance report.
ii	The ambient noise levels should conform to the standards prescribed under Environment (Protection) Rules, 1986 viz 75 dB (A) during day time and 70 dB (A) during night time	Ambient Noise level is measured periodically and Acoustic enclosures are done to cover the high sound level machines and to control the Noise level well within the Noise level standard.
<b>V</b>	<b>Energy Conservation Measures</b>	
i	Re-rolled products shall be based on hot charging only Practice hot charging of slabs and billets/blooms as maximum as possible.	Noted and is being complied with.
ii	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	To comply with the stipulated condition, the management has planned the installation of a 150 KW rooftop solar power system on the Administration Building. This system will supply power to the ADM building, parking area, main gate area, street lighting, and other general utility areas. PO copy Attached <b>Annexure – 14</b>
iii	The project proponent shall ensure use of LED lights in their offices and residential area.	Noted and is being complied with by using LED tube lights and bulbs and installing 4-5 star rated electric appliances under conservation of energy. <b>Annexure-15</b>
<b>VI</b>	<b>Waste Management</b>	
i	The project proponent shall take effective steps for safe disposal of solid wastes and sludge. Miss Rolls and End Cutting shall be Reused in own induction furnace, slag shall be sold to metal recovery units, Mill Scale shall be given to ferro alloys /Pellet Plant. Oily sludge shall be sold to authorized recyclers / re-processors for proper disposal through incineration.	<ul style="list-style-type: none"> <li>• Metal waste generated during process is collected at designated location under store. The same is recycled back into the process or sold to scrap recycler.</li> <li>• Slag generated from Process is collected in Covered shade, and in open ground covered with Tarpaulin. The same is sold to Local Cement plant for Cement manufacturing.</li> <li>• Fly ash generated from power plant is collected in Fly ash Bin through pneumatic conveyor</li> <li>• Oil sludge as generated from process is sold to authorised recycler for recycle and record is maintained. <b>Annexure-16</b></li> </ul>
ii	Used refractories shall be recycled as far as possible or shall be given to authorized recycler and for land fill.	Noted and the same will be complied with the generation of the waste.
iii	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016.	The waste oil and grease generated from the machineries and the process is collected in MS drums, stored in designated place and sold to an CECB authorised recycler. <b>Annexure-2</b>
iv	The project proponent shall utilize fly ash bricks / blocks etc. in all construction activities.	Noted, being complied with.

v	Kitchen waste (if any) shall be composted or converted to biogas for further use.	A composting pit has been constructed at a designated location within the plant premises, where daily kitchen waste is regularly deposited. Once the waste is fully composted, the resulting manure will be utilized for green belt development within the facility. Pictures of Composting pit enclosed as <b>Annexure - 17</b>
<b>VII</b>	<b>Green Belt</b>	
i	Green belt shall be developed in an area not less than 40% (1.677 Ha) of the total plant area with a native tree species in accordance with CPCB guidelines. Greenbelt shall inter alia cover the periphery of the plant. As far as possible maximum area of open spaces shall be utilized for plantation purposes. Project proponent shall ensure that 2,250 Nos plantation will be done within 1 month.	Tree plantation is being carried out every year, and till date 11200 tree plantation is being done, covering around 7.4 ha. Area of the total plant area. <b>Annexure-18A &amp; 18B</b>
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.	The greenhouse gas (GHG) emissions from various industrial processes were assessed to estimate their carbon footprint and identify key contributors. Working on details of GHG emissions and the programme for reduction including carbon sequestration is going on.
<b>VIII</b>	<b>Human Health Issues</b>	
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	Approved on site emergency plan is available and is valid. The same is attached for record as <b>Annexure-19</b>
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	Noted and is being complied with, the workers working in hot zone are being provided with Hot zone PPE like asbestos boots and fire protected aprons.
iii	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project	Noted
iv	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Noted, Health surveillance and health checkup of all the workers is being done at the time of joining the industry and being done annually.
<b>IX</b>	<b>Corporate Environment Responsibility</b>	
i	The project proponent shall submit project report with estimate for development of Eco Park from forest & climate change department, Govt. of Chhattisgarh / forest development corporation under Corporate Environment Responsibility with estimated	Project report for the development of Eco Park is in process. <b>Annexure-20</b>

	cost not less than Rs. 60 lakhs. The Detail Project Report (DPR) shall be submitted within two months from forest development corporation.	
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 /shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the Ministry of Environment, Forest and Climate Change, New Delhi / SEIAA, Chhattisgarh as a part of six-monthly report.	Company have Environmental Policy displayed and available for the public, share holders and employs, duly signed by Plant Head. <b>Annexure-21</b>
iii	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly to the head of the organization.	Environmental Cell comprising of qualified personnel has been established and same is attached as <b>Annexure-22</b>
iv	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Raipur / SEIAA, Chhattisgarh along with the Six Monthly Compliance Report.	Company is ISO-14001 EMS certified under which EMP has been documented based on the aspects and impacts identified in the plant process. The Certificate is attached as <b>Annexure -23</b>
v	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Environment Audit is being conducted by the company and the Report is being submitted to IRO-MoEFCC & CECB. <b>Annexure-24</b>
vi	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants (if any) shall be implemented.	All the conditions stipulated in Charter on Corporate Responsibility for Environment Protection are being complied with. <ul style="list-style-type: none"> <li>• Fugitive dust emission is being monitored and is well within the limit.</li> <li>• Continuous Online Emission monitoring system is installed on Stack and connected to CPCB.</li> </ul>

		Stack emission data, ETP Monitoring data, STP monitoring data etc. is displayed on Digital display board at Main Gate.
<b>X</b>	<b>Additional Condition</b>	
i	Project proponent shall deposit CER fund Rs. 60 Lakhs to the Chhattisgarh Forest Development Corporation and inform the SEIAA, Chhattisgarh in this regard. Project proponent shall also submit the Detailed Project Report with estimate prepared by Chhattisgarh Forest Development Corporation regarding utilization of CER fund within two months.	Eco-park has been developed within the plant premises. The area has been identified as Eco-Park with Sign Board and planted with variety of trees. 1.5 Acres of area has been covered under Eco-Park and 2245 number tree saplings have been planted. The photographs of Eco-Park is given in <b>Annexure-25</b>
ii	This EC shall be granted subject to the condition that the pollution load for proposed project shall not exceed the existing pollution load of the industry. If the pollution load is increased beyond the existing pollution load then this EC shall be deemed to be cancelled.	Noted
iii	No additional land shall be acquired for this project. Unit-2 and Unit-3 shall be merged into a single unit for production of rolled products through Induction Furnace with CCM hot charge rolling mill unit with khasra number 114/(10-12), total area 14.928 acre, no additional land shall be procured for this project.	Noted
iv	Project proponent shall not install any additional re-heating furnace based rolling mill under any circumstances. Project proponent shall install CCM with hot charge rolling mill in existing induction furnace.	Noted, CCM with Hot Charge Rolling mill has been installed with existing induction furnace.
v	Local persons shall be given employment during development and operation of the plant.	Noted, Local persons have been employed in plant operation.
vi	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.	Environment Clearance has been made public by publishing the same in two local leading news papers one in English and one vernacular language.
vii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of Local Bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to	The copy of Environment Clearance has been submitted to the Raipur Nagar Nigam / Panchayat vide our letter no. <b>Annexure-26</b>

	display the same for 30 days from the date of receipt.	
viii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	The Environment Clearance compliance report is being uploaded on Company website <a href="http://www.ramaudyog.com">www.ramaudyog.com</a>
ix	The project proponent shall monitor the criteria pollutants level namely, PM SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters (if any), 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.	Stack emission and Ambient Air monitoring is being carried out periodically and Displayed for public on the digital board installed at factory main gate.
x	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal	Noted and shall be complied with.
xi	The project proponent shall submit the environmental statement for each financial year in Form-V to Chhattisgarh Environment Conservation Board (CECB) as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. The project proponent shall inform the Integrated Regional Office Ministry of Environment, Forest and Climate Change, Raipur as well as SEIAA, Chhattisgarh the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Environment Statement is being submitted annually in Form-V to CECB-Raipur. <b>Annexure-24</b> Environmental Statement report has now been uploaded on company website, <a href="http://www.ramaudyog.com">www.ramaudyog.com</a>
xii	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government.	Noted
xiii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Expert Appraisal Committee.	Noted and is being followed by complying the commitments submitted in EIA report.
xiv	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, New Delhi/SEIAA, Chhattisgarh.	Noted

xv	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xvi	SEIAA, Chhattisgarh may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xvii	SEIAA, Chhattisgarh reserves the right to stipulate additional conditions if found necessary The Company in a time bound manner shall implement these conditions.	Noted
xviii	The Integrated Regional Office Ministry of Environment, Forest and Climate Change, Raipur 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.	Noted and the support will be given to IRO-MoEFCC office.
xix	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted
xx	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
xxi	Environment clearance will be valid as per the provision of EIA Notification, 2006 (as Amended).	Noted

**Government of India**  
**Ministry of Environment, Forest and Climate Change (MoEF&CC)**  
**Sub-Office**

**Raipur, Chhattisgarh – 492002.**

**MONITORING REPORT**

**PART I**

**DATA SHEET**

**Period - Oct. 2024-March 2025**

1.	Project Type: River valley /Mining/ Industry /Thermal / Nuclear/Other specify	:	Steel Industry								
2.	Name of the project	:	Rama Udyog Private Limited Siltara Industrial Growth Center, Siltara, Raipur (C.G.)								
3.	Clearance letter(s)/O.M. No. and dated	:	(i). EC. No. EC22B008CG195073 dated 18/05/2022								
4.	<u>Locations:</u>	:	Siltara Industrial Growth Center								
	a Taluk (s) District	:	Dharsiwa, Raipur								
	b State (s)	:	Chhattisgarh								
	c Latitudes/ Longitudes:	:	Latitude – 21.383135, Longitude - 81.656755								
5.	<u>Address of correspondence:</u>	:	Rama Udyog Private Limited Siltara Industrial Growth Center, Siltara, Raipur-493111 (C.G.)								
	a Address of concerned project Chief Engineer (with Pin Code & telephone/telex/fax numbers	:	G.S. Reddy, project Chief Engineer Siltara Industrial Growth Center, Siltara, Raipur-493111 (C.G.) Mobil No. 95890-80799								
6.	<u>Salient features</u> :	:	Modification in product from existing 57800 TPA from Iron Billets into 57800 TPA TMT bar production Through proposed hot charging mill unit								
	a Present status of the project with one page writeup:	:									
	b Present Status of the environmental management plans:	:									
7.	<u>Break up of the project area</u> :	:	<table border="1"> <thead> <tr> <th></th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>Total Non-Forest Land</td> <td>14.23</td> </tr> <tr> <td>Forest land</td> <td>Nil</td> </tr> <tr> <td>Total Plant Area</td> <td>14.23</td> </tr> </tbody> </table>		Area in Ha	Total Non-Forest Land	14.23	Forest land	Nil	Total Plant Area	14.23
	Area in Ha										
Total Non-Forest Land	14.23										
Forest land	Nil										
Total Plant Area	14.23										
	a Submergence area (forest & non- forests)	:	NONE								

	b	Others	:	
8.		Break up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units and agricultural land and landless labourers/artisans	:	NONE, Only agriculture land of General Cate land purchased
	a	SC,ST/Adivasis	:	NONE
	b	Others	:	NONE
9.		<u>Financial Details:</u>		
	a	Project cost as originally planned and subsequent revised estimates and the years of price reference	:	Rs. 2679.72 lakhs
	b	Allocations made for environmental management plans, with item wise and year wise breakup (Capital & Recurring)	:	Rs 2.68 Crores (Capital) Rs. 0.12 Crores (Recurring) 2022-23
	c	Benefit cost ratio/internal rate of return and the years of assessment	:	---
	d	Whether (c) includes the cost of environmental management as shown in (b) above	:	-
	e	Total expenditure on the Project so far	:	-
	f	Actual expenditure incurred on the environmental management plans so far	:	Rs. 1.60 Crores (Capital)
10.		<u>Forest land requirement :</u>	:	NONE
	a	The status of approval for a diversion of forest land for non-forestry use	:	Not Applicable
	b	The status of compensatory afforestation, if any	:	Not Applicable
	c	The status of clear felling	:	Not Applicable
	d	Comments on the viability and sustainability of compensatory afforestation programme in the light of actual field experience so far	:	Not Applicable
11.		The status of clear felling in non-forest area (such as submergence area of reservoir, approach road), if	:	Not Applicable



		any, with quantitative information		
12.		<u>Status of construction</u> :		Completed
	a	Date of commencement	:	22/04/2024
	b	Date of completion (actual and/or planned)	:	22/04/2024
13.		Reasons for the delay if the project is yet to start.	:	none
14.		<u>Date of site visit</u> :		
	a	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	06.11.2023
	b	Date of site visit for this monitoring report	:	07.11.2023
15.		Details of correspondence with project authorities for obtaining action plans, information and status of compliance to safeguards	:	—
Date		Letter from the Regional Office	D a t e	Reply from Project proponent



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

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Rama Udyog Private Limited		
Project Address:	Siltara Industrial Area Phase II, Raipur		
Town:	Siltara (ct)	Block:	Dharsiwa
District:	Raipur	State:	Chhattisgarh
Pin Code:			
Communication Address:	Rama Udyog Private Limited, Siltara Industrial Area Phase II, Dharsiwa, Raipur, Chhattisgarh - 493111		
Address of CGWB Regional Office :	Central Ground Water Board North Central Chhattisgarh, 2nd Floor, Lk Corporate And Logistic Park, Dhamtari Road, Nh-30, Dumartarai, Raipur, Chhattisgarh - 492015		

1.	NOC No.:	CGWA/NOC/IND/REN/1/2023/7606					2.	Date of Issuance		14/04/2023					
3.	Application No.:	21-4/3481/CT/IND/2020					4.	Category: (GWRE 2020)		Critical					
5.	Project Status:	Existing Ground Water					6.	NOC Type:		Renewal					
7.	Valid from:	15/05/2022					8.	Valid up to:		14/05/2025					
9.	Ground Water Abstraction Permitted:														
Fresh Water			Saline Water				Dewatering			Total					
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		m³/day		m³/year	
10.00		3000.00													
10.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:2								Total Proposed No.:1							
		DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu		
Abstraction Structure*		0	0	2	0	0	0	0	0	1	0	0	0		
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
11.	Ground Water Abstraction/Restoration Charges paid (Rs.):							52580.00							

**(Compliance Conditions given overleaf)**

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

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

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SAVE WATER - SAVE LIFE

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

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCPE list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

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

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**18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011**

**Phone: (011) 23383561 Fax: 23382051, 23386743**

**Website: [cgwa-noc.gov.in](http://cgwa-noc.gov.in)**

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# CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation  
Ministry of Jal Shakti, Govt. of India

## Receipt

(As per the guideline Gazette Notification S.O. 3281(E) regarding the New Guidelines dated 24.09.2020 of CGWA, MoJS, Govt. of India)  
<https://cgwa-noc.gov.in>

Application No.:	21-4/3481/CT/IND/2020		
Name of Firm:	RAMA UDYOG PRIVATE LIMITED		
AppType Category:	Steel Industry		
Application Type:	Industrial		
PAN/GSTIN No. of Firm/Individual:	/		

S N	Description	Amount (Rs.)
1.	Application Processing Fee	5000.00
2.	Ground Water Abstraction /Restoration charges	52580.00
3.	Environmental Compensation Charges (ECRGW) (Date From <b>15/00/2022</b> to <b>27/00/2022</b> ) Days-	100000.00
4.	Penalty for non-Compliance of NOC conditions <i>Condition to be mentioned</i>	
<b>Rs. Rupees One Lakh Fifty Seven Thousand Five Hundred Eighty Only</b>		<b>157580.00</b>

This is an system generated invoice, hence, does not require ink signed.



## CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

PARYAVAS BHAWAN, NORTH BLOCK, SECTOR-19,  
NAVA RAIPUR ATAL NAGAR, RAIPUR (C.G.) 492002  
E-mail: [hocceb@gmail.com](mailto:hocceb@gmail.com), Ph. No. 0771-2512220

No. 8677/HSMD/HO/CECB/2024

Nava Raipur Atal Nagar, Date 01/02/2024

To,

**M/s Rama Udyog Private Limited,  
(Formally known as M/s Baldev Alloys Private Limited),  
Siltara Industrial Growth Centre, Phase-II, 18th Milestone, Raipur,  
District - Raipur (C.G.)**

Sub:- Renewal of authorization under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

Ref:- Your online application no. 14181294 dated 06/11/2023, subsequent correspondence ending dated 05/01/2024 and Inspection Report received dated 09/01/2024.

----:00:----

The authorization under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 is hereby renewed for the period of **Five Years** i.e. from **16/08/2023 to 15/08/2028**. The details of authorization along with terms & conditions are given as per below:-

### FORM 2

[See rule 6 (2)]

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

1. Number of authorization **591/HSMD/HO/CECB/ATAL NAGAR, RAIPUR.**
2. Reference of online application no. **14181294** dated **06/11/2023**, subsequent correspondence ending dated **05/01/2024** and Inspection Report received dated **09/01/2024**.
3. The operator of facility i.e. occupier **M/s Rama Udyog Private Limited, (Formally known as M/s Baldev Alloys Private Limited), Siltara Industrial Growth Centre, Phase-II, 18th Milestone, Raipur, District - Raipur (C.G.)** is hereby granted renewal of authorization based on the signed inspection report from RO for generation, collection, storage, transportation & disposal of hazardous wastes in the premises situated at **Siltara Industrial Growth Centre, Phase-II, 18th Milestone, Raipur, District - Raipur (C.G.)**.

### **Detail of Authorization**

S. No.	Name & Category of Hazardous Wastes as per the Schedules	Authorized mode of disposal or recycling or utilization or co- processing etc.	Quantity (Tonnes/Annum)
1.	Used or spent oil (Schedule-I, Cat. No.- 5.1)	Use as lubricant/Sale to authorized recyclers	0.5 KL/Annum
2.	Spent ion exchange resin containing toxic metals (Schedule - I, Cat. No. 35.2)	Utilize as per SOP issued by CPCB	0.4 KL/Annum

(1) The renewal of authorization shall be valid for the period of **Five Years** i.e. from **16/08/2023** to **15/08/2028**.

(2) The authorization is subject to the following conditions:

#### **TERMS & CONDITIONS OF AUTHORIZATION**

1. The authorization shall comply with the provisions of Environment (protection) Act, 1986 and the rules made there-under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Chhattisgarh Environment Conservation Board.
3. The person authorized shall not rent, lend, sell transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Chhattisgarh Environment Conservation Board.
4. **Industry shall have to register in EPR portal of CPCB, Delhi as per Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 as amended if it comes under the categories of used oil producer, importer, recyclers/utilizers and collection agent.**
5. Any unauthorized change in personnel, equipment, or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
6. The person authorized shall implement Emergency Response Procedure (ERP) which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
7. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
8. It is the duty of the authorized person to take prior permission of the Chhattisgarh Environment Conservation Board to close down the facility.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. Industry shall prepare emergency response plan (ERP) and ensure implementation of the same at the time of any accident occurs during handling and transportation of hazardous waste as per CPCB guidelines.
11. The hazardous and other waste, generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed off as per standard operating procedures/guidelines issued by CPCB from time to time.
12. An application for the renewal of an authorization shall be made three months before the expiry of authorization as laid down in the Rules.

13. Annual return in form IV shall be filed by June 30th for the period ending 31st March of the last financial year.
14. The wastes shall be collected and stored properly with adequate safety measures as per rule.
15. Authorized person shall comply with the provisions of rule 17, 18 and 19 for packing, labeling and transport of Hazardous Waste.
16. The authorized person should maintain the record of Hazardous Waste as per Form-3 of Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
17. The occupier shall follow the guidelines (if any) issued by Central Pollution Control Board or MoEF & CC for management of Hazardous waste from time to time.
18. The industry shall display data outside factory gate, about on quantity and nature of hazardous chemicals and wastes being used in the plant, water quality and air emissions and solid wastes generated within the factory premises. The display board shall be made and placed as per CPCB guidelines.
19. Industry shall ensure disposal of hazardous waste generated during the production process through authorized recycler/Co-processing in cement plant/captive disposal facility/arrangement for sharing of authorized disposal facility/common TSDF as per rule. Failing which this authorization shall be treated as cancelled and appropriate action would be initiated against the industry.
20. Industry shall ensure that the transportation of hazardous wastes should be carried out through GPS enable dedicated vehicles of authorized transporters only.
21. Industry shall create new website for Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 and upload all the information above the waste in the website.
22. Before the wastes given for thermal/biological/physico-chemical treatment; should be completely dewatered, detoxified, and proper conditioned and any possible recovery is made before their disposal.
23. The industry should constitute a hazardous waste management cell to take care of the management aspect to the hazardous waste generated in the plant.
24. An on-site storage of the hazardous wastes for a maximum period of 90 days should be provided and it shall be ensured that there is no leakage or seepage from the surrounding walls or bottom. The site should be covered and properly protected to prevent the entry of rain water in storage area.
25. At least four nos. of piezometric points should be provided around the storage site of H.W. to monitor the leaching of the waste and the monitoring report of the same shall be submitted to the board every six monthly. Each type of waste shall be stored in a separate storage cell.
26. The discarded containers of Hazardous waste and chemical shall not be used for storage of food grade products. At the storage site "Hazardous waste storage site & danger signboard" shall be provided with all safety devices.
27. In the case of any accident due to handling of hazardous waste the authorized person must inform immediately to the Concerned Regional Office and H.O., Atal Nagar, Raipur of the Board by fax/telephone or by E-mail about the incident and details report be sent in form no. 11 [see rule 22].
28. The authorization obtained by the Chhattisgarh Environment Conservation Board should be prominently displayed.
29. Used batteries shall be disposed off as per the Batteries (Management & Handling) Rules, 2001.
30. Board reserves the right to cancel/amend the above condition and add new conditions as and when deemed necessary.

**Member Secretary**

C.G. Environment Conservation Board  
Nava Raipur Atal Nagar, Raipur (C.G.)



Endt No.:- 8678/HSMD/HO/CECB/2024

Nava Raipur Atal Nagar, Date 01/02/2024

Copy to :- Regional Officer, Regional office, Chhattisgarh Environment Conservation Board, Raipur (C.G.) please ensure compliance and report if any condition/conditions are violated by industry.

**Sd/**

**Member Secretary**

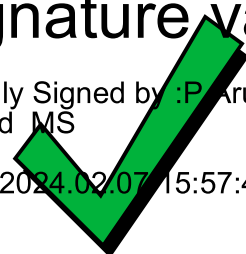
C.G. Environment Conservation Board  
Nava Raipur Atal Nagar, Raipur (C.G.)



**Signature valid**

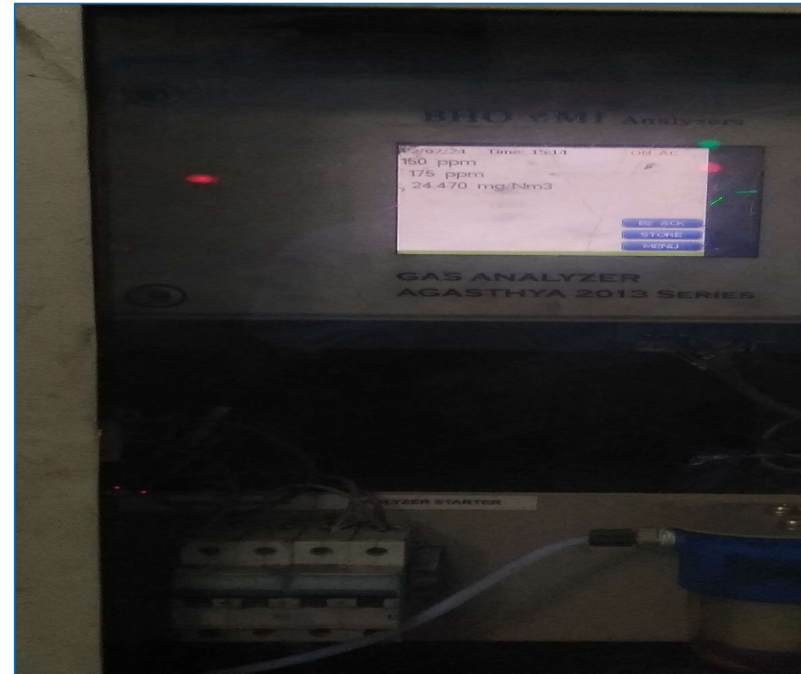
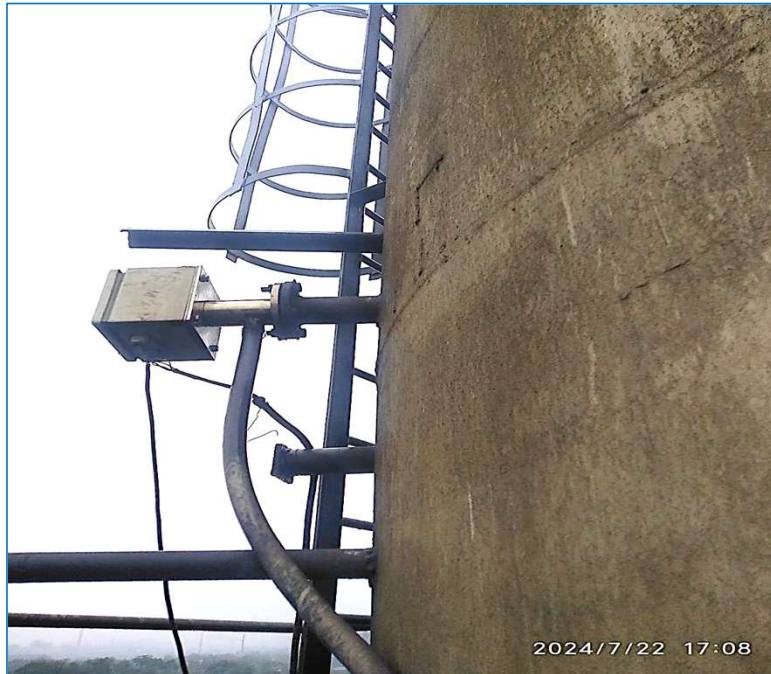
Digitally Signed by :P Arun  
Prasad MS

Date: 2024.02.07 15:57:49 IST





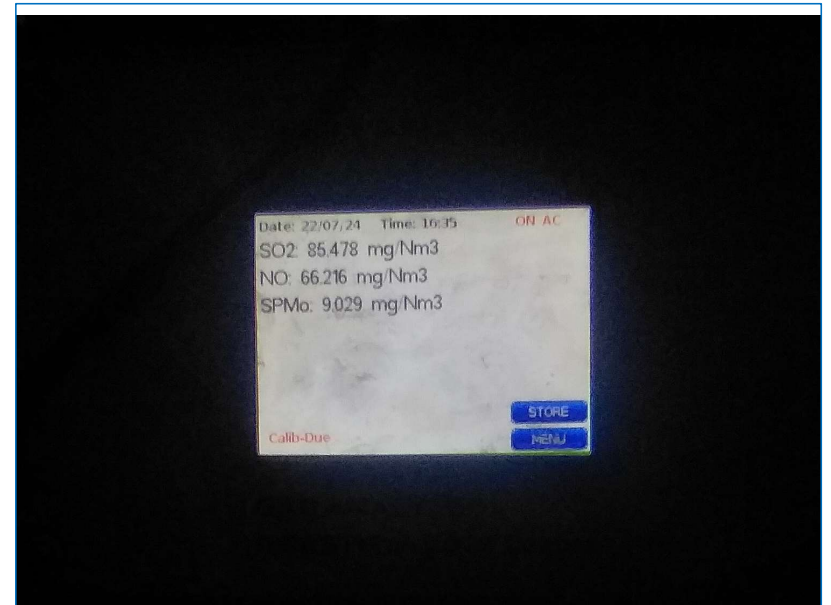
## CEMS Online Monitoring Installed at Captive Power Plant- Annexure 3A



## CEMS Online Monitoring Installed at Kiln 1 – Annexure 3B



## CEMS Online Monitoring Installed at Kiln 2 Annexure 3C







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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

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## TEST CERTIFICATE

Report No.	AN-051224-01	Date of Issue	10/12/2024
Client Name and Address:	M/S. RAMA UDYOG PVT. LTD. ADD.-18TH MILE STONE, LIMAH ROAD, PHASE II, SILTARA INDUSTRIAL AREA GROWTH CENTER, SILTARA, RAIPUR, CHHATTISGARH, PIN-493111		
Type of Sampling:	Ambient Noise Monitoring		
Sample Collected By:	M/s. Ilka Tech Pvt. Ltd.		
Sample Location:	As mentioned below	Date of Sampling:	05.12.2024

### Ambient Noise Monitoring

SR. NO.	LOCATION	RESULT Leq, dB(A)	
		DAY	NIGHT
1.	Near Office Building	65.2	62.5
2.	Near Main Gate Area	71.9	66.4
3	Near Labor Colony	61.5	58.7
Noise Standards ( CPCB )			
Residential Area		55	45
Industrial Area		75	70

The noise level is well within the limit prescribed by CPCB

### NOTES

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

CHECKED BY

AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, Gautam Budh Nagar - 201 301 (U.P.)

Branch Office :

HARIDWAR | DEHRADUN | PUNE

E-mail : noida.laboratory@gmail.com | Website : www.noidalabs.com





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## TEST CERTIFICATE

Report No: ST-051224-02		DATE OF ISSUE	10/12/2024
<b>Client Name and Address:</b> M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		Sample Description/ Type	Fugitive Emission
		Sampling Duration	4 Hrs.
<b>Fugitive Emission Monitoring Report</b>			
Location Name	Date of Sampling	TSPM $\mu\text{g}/\text{m}^3$	Standard $\mu\text{g}/\text{m}^3$
Method Reference		IS 5182 (Part 23)	
Near DRI 2 & 3	05.12.2024	3684.2	5000
Near Coal Crusher	05.12.2024	1643.5	2000
Near Furnce Area	05.12.2024	3931.1	5000
CPCB Norms $2000\mu\text{g}/\text{m}^3$ for Coal Dust & $5000\mu\text{g}/\text{m}^3$ for other dust			
ANALYZED BY- 		AUTHORIZED SIGNATORY 	



**Laboratory :** GT-20, Sector-117, Gautam Budh Nagar - 201 301 (U.P.)

**Branch Office :**

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## TEST CERTIFICATE

Report No:W-051224-03	Date of Report	10.12.2024
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sampling Location & Details	STP Outlet (Waste Water)
	Date of Sampling	05.12.2024
	Start Date of Analysis	06.12.2024
	End Date of Analysis	10.12.2024
	Sample Collected By	Lab Representative

## Water Analysis Report

Sr. No.	Parameter	Unit	Result	Limits as per CPCB for Discharge of Effluents	Method Reference
				Inland Surface Water	
1.	PH	—	7.81	5.5 to 9.0	IS:3025 (part11) -1983
2	Total Suspended Solids (TSS)	mg/Lit	34.1	100	IS 3025(P-17)
3	Chemical Oxygen Demand (COD)	mg/Lit	68.2	250	IS 3025(P-58)
4	Biological Oxygen Demand (BOD 3 Days 27°C)	mg/Lit	13.4	30	IS 3025(P-44)

Remark: mg/Lit – milligram per liter

ANALYZED BY- 	AUTHORIZED SIGNATORY 
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### Notes:

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- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.



Laboratory : GT-20, Sector-117, Gautam Budh Nagar - 201 301 (U.P.)

Branch Office :

HARIDWAR | DEHRADUN | PUNE

E-mail : noida.laboratory@gmail.com | Website : www.noidalabs.com





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## TEST CERTIFICATE

Report No.	AAQ-051224-04	Date of Issue	07/12/2024
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near New Admin Building		
Date of Sampling:	05/12/2024	Time of Sampling	12:02 Pm
Start Date of Analysis:	07/12/2024	End Date of Analysis:	07/12/2024
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	67.3	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	41.1	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	27.3	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	31.8	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

Remark-All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

#### Notes:

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Laboratory : GT-20, Sector-117, Gautam Budh Nagar - 201 301 (U.P.)

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## TEST CERTIFICATE

Report No.	AAQ-051224-05	Date of Issue	07/12/2024
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near Labour Colony		
Date of Sampling:	05/12/2024	Time of Sampling	12:45 Pm
Start Date of Analysis:	07/12/20234	End Date of Analysis:	07/12/2024
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	64.8	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	33.2	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	21.5	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	19.1	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

Remark-All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

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## TEST CERTIFICATE

Report No.	AAQ-051224-06	Date of Issue	07/12/2024
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near Hanuman Mandir		
Date of Sampling:	05/12/2024	Time of Sampling	02:50 Pm
Start Date of Analysis:	07/12/2024	End Date of Analysis:	07/12/2024
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	69.7	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.2	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	26.4	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	28.6	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

Remark-All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

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## TEST CERTIFICATE

Report No.	AAQ-051224-07	Date of Issue	07/12/2024
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near Fly Ash Brick Yard		
Date of Sampling:	05/12/2024	Time of Sampling	3:38 Pm
Start Date of Analysis:	07/12/2024	End Date of Analysis:	07/12/2024
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	72.6	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	42.1	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	27.4	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	21.3	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

Remark-All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

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## TEST CERTIFICATE

Report No:ST-051224-08	Date of Issue	10/12/2024
Client Name and Address: M/S. RAMA UDYOG PVT. LTD. ADD.-18TH MILE STONE, LIMAH ROAD, PHASE II, SILTARA INDUSTRIAL AREA GROWTH CENTER, SILTARA, RAIPUR, CHHATTISGARH, PIN-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	05.12.2024
	Sampling Location	Kiln 3 & 4
	Sample Collected By	Lab Representative

### Source Emission Analysis Report

Stack Attached to Stack : Kiln  
Material of construction Normal : MS  
Ambient Temperature : 31°C  
Flue Gas Temperature : 128 °C  
Velocity of Flue Gas : 12.75 m/s  
Quantity of Gas Flow : 79350.15 Nm<sup>3</sup>/hr

Sr. No	Parameter	Unit	Result	Test Method
1	Stack Monitoring (Particulate Matter - PM)	mg/Nm <sup>3</sup>	22.6	IS 11255 (P-1)
2	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	105.3	IS 11255 (P-7)
3	Nitrogen Oxide (NO <sub>2</sub> )	mg/Nm <sup>3</sup>	489.5	IS 11255 (P-2)

Remark(s): All above results are well within the consent Limit.

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## TEST CERTIFICATE

Report No: ST-051224-09	Date of Issue	10/12/2024
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	05.12.2024
	Sampling Location	Kiln 1 & 2
	Sample Collected By	Lab Representative

### Source Emission Analysis Report

Stack Attached to Stack	: Kiln
Material of construction Normal	: MS
Ambient Temperature	: 31°C
Flue Gas Temperature	: 132°C
Velocity of Flue Gas	: 14.5 m/s
Quantity of Gas Flow	: 85650.22 Nm <sup>3</sup> /hr

Sr. No	Parameter	Unit	Result	Test Method
1	Stack Particulate Matter (SPM)	mg/Nm <sup>3</sup>	28.55	IS 11255 (P-1)
2	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	108.7	IS 11255 (P-7)
3	Nitrogen Oxide (NO <sub>2</sub> )	mg/Nm <sup>3</sup>	468.5	IS 11255 (P-2)

Remark(s): All above results are well within the consent Limit.

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## TEST CERTIFICATE

Report No: ST-051224-10	Date of Issue	10/12/2024
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	05.12.2024
	Sampling Location	CPP Boiler
	Sample Collected By	Lab Representative

### Source Emission Analysis Report

Stack Attached to Stack : Boiler  
Material of construction Normal : MS  
Ambient Temperature : 32°C  
Flue Gas Temperature : 115 °C  
Velocity of Flue Gas : 12.80 m/s  
Quantity of Gas Flow : 55753 Nm<sup>3</sup>/hr

Sr. No	Parameter	Unit	Result	Test Method
1	Stack Particulate Matter (SPM)	mg/Nm <sup>3</sup>	27.6	IS 11255 (P-1)
2	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	389.4	IS 11255 (P-7)
3	Nitrogen Oxide (NO <sub>2</sub> )	mg/Nm <sup>3</sup>	125.3	IS 11255 (P-2)

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## TEST CERTIFICATE

Report No: ST-051224-11	Date of Issue	10/12/2024
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	05.12.2024
	Sampling Location	Billet -CCM Stack
	Sample Collected By	Lab Representative

### Source Emission Analysis Report

Stack Attached to Stack	: Billet -CCM Stack
Material of construction Normal	: MS
Ambient Temperature	: 32°C
Flue Gas Temperature	: 219 °C
Velocity of Flue Gas	: 11.8 m/s
Quantity of Gas Flow	: 65422 Nm <sup>3</sup> /hr

Sr. No	Parameter	Unit	Result	Limits as per CECB	Test Method
1	Particulate Matter (PM)	mg/Nm <sup>3</sup>	27.5	50	IS 11255 (P-1)

Remark(s): All above results are well within the consent Limit.

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**TEST CERTIFICATE**

Report No.	AN-040325-01	Date of Issue	10/03/2025
Client Name and Address:	M/S. RAMA UDYOG PVT. LTD. ADD.-18TH MILE STONE, LIMAHI ROAD, PHASE II, SILTARA INDUSTRIAL AREA GROWTH CENTER, SILTARA, RAIPUR, CHHATTISGARH, PIN-493111		
Type of Sampling:	Ambient Noise Monitoring		
Sample Collected By:	M/s. Ilka Tech Pvt. Ltd.		
Sample Location:	As mentioned below	Date of Sampling:	04.03.2025

**Ambient Noise Monitoring**

SR. NO.	LOCATION	RESULT Leq, dB(A)	
		DAY	NIGHT
1.	Near Office Building	64.1	61.5
2.	Near Main Gate Area	70.3	65.4
3	Near Labor Colony	59.7	57.5
<b>Noise Standards ( CPCB )</b>			
Residential Area		55	45
Industrial Area		75	70

The noise level is well within the limit prescribed by CPCB

**NOTES**

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## TEST CERTIFICATE

Report No: ST-040325-02		Date of Issue	10/03/2025
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sample Description/ Type	Fugitive Emission	
	Sampling Duration	4 Hrs.	
<b>Fugitive Emission Monitoring Report</b>			
Location Name	Date of Sampling	TSPM $\mu\text{g}/\text{m}^3$	Standard $\mu\text{g}/\text{m}^3$
Method Reference		IS 5182 (Part 23)	
Near DRI 2 & 3	04.03.2025	3455.6	5000
Near Coal Crusher	04.03.2025	1540.7	2000
Near Furnce Area	04.03.2025	3840.2	5000
CPCB Norms $2000\mu\text{g}/\text{m}^3$ for Coal Dust & $5000\mu\text{g}/\text{m}^3$ for other dust			
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## TEST CERTIFICATE

<b>Report No:W-040325-03</b>		<b>Date of Report</b>		10.03.2025	
<b>Client Name and Address:</b> M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		<b>Sampling Location &amp; Details</b>		STP Outlet (Waste Water)	
		<b>Date of Sampling</b>		04.03.2025	
		<b>Start Date of Analysis</b>		06.03.2025	
		<b>End Date of Analysis</b>		10.03.2025	
		<b>Sample Collected By</b>		Lab Representative	
<b>Water Analysis Report</b>					
Sr. No.	Parameter	Unit	Result	Limits as per CPCB for Discharge of Effluents	Method Reference
				Inland Surface Water	
1.	PH	—	7.55	5.5 to 9.0	IS:3025 (part11) -1983
2	Total Suspended Solids (TSS)	mg/Lit	41.3	100	IS 3025(P-17)
3	Chemical Oxygen Demand (COD)	mg/Lit	72.4	250	IS 3025(P-58)
4	Biological Oxygen Demand (BOD 3 Days 27°C)	mg/Lit	14.7	30	IS 3025(P-44)
Remark: mg/Lit – milligram per liter					
ANALYZED BY- 			AUTHORIZED SIGNATORY 		

### Notes:

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## TEST CERTIFICATE

Report No.	AAQ-040325-04	Date of Issue	05/03/2025
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near New Admin Building		
Date of Sampling:	04/03/2025	Time of Sampling	10:15 AM
Start Date of Analysis:	05/03/2025	End Date of Analysis:	05/03/2025
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	64.7	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	35.4	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	24.6	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	29.2	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

Remark-All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

#### Notes:

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## TEST CERTIFICATE

Report No.	AAQ-040325-05	Date of Issue	05/03/2025
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near Labour Colony		
Date of Sampling:	04/03/2025	Time of Sampling	10:45 AM
Start Date of Analysis:	05/03/2025	End Date of Analysis:	05/03/2025
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	61.2	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.7	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	18.4	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	21.3	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

Remark-All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

#### Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

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AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, Gautam Budh Nagar - 201 301 (U.P.)

Branch Office :

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## TEST CERTIFICATE

Report No.	AAQ-040325-06	Date of Issue	05/03/2025
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near Hanuman Mandir		
Date of Sampling:	04/03/2025	Time of Sampling	11:15 AM
Start Date of Analysis:	05/03/2025	End Date of Analysis:	05/03/2025
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	66.3	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.6	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	21.4	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	26.1	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

Remark-All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

#### Notes:

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## TEST CERTIFICATE

Report No.	AAQ-040325-07	Date of Issue	05/03/2025
Client Name and Address:	M/s. Rama Udyog Pvt. Ltd. 18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111		
Type of Sampling:	Ambient Air Quality Monitoring		
Sample Location:	Near Fly Ash Brick Yard		
Date of Sampling:	04/03/2025	Time of Sampling	11:35 AM
Start Date of Analysis:	05/03/2025	End Date of Analysis:	05/03/2025
Sample Collected By:	Lab Representative	Duration of Sampling:	480 Mins
Testing Protocol:	Bureau of Indian Standard		

### Ambient Air Analysis Report

S. No.	Parameters	Unit	Result	Test Methods	Limits as per NAAQ Standards
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	68.3	IS 5182 part 23 (2006)	≤ 100
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	33.4	As per CPCB guidelines	≤ 60
3.	Sulphur Dioxide(SO <sub>2</sub> )	µg/m <sup>3</sup>	23.7	IS 5182 part 2 (2001)	≤ 80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	22.6	IS 5182 part 6 (2006)	≤ 80
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	IS:5182 Part-X	≤ 04

**Remark-**All above results are within National Ambient Air Quality standards.

➤ BDL – Below Detectable Limit.

#### Notes:

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- This test report will not be used for any publicity/legal purpose.
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## TEST CERTIFICATE

Report No:ST-040325-08	Date of Issue	10/03/2025
Client Name and Address: M/S. RAMA UDYOG PVT. LTD. ADD.-18TH MILE STONE, LIMAHI ROAD, PHASE II, SILTARA INDUSTRIAL AREA GROWTH CENTER, SILTARA, RAIPUR, CHHATTISGARH, PIN-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	04.03.2025
	Sampling Location	Kiln 3 & 4
	Sample Collected By	Lab Representative

### Source Emission Analysis Report

Stack Attached to Stack	: Kiln
Material of construction Normal	: MS
Ambient Temperature	: 34°C
Flue Gas Temperature	: 130 °C
Velocity of Flue Gas	: 14.33 m/s
Quantity of Gas Flow	: 84650 Nm <sup>3</sup> /hr

Sr. No	Parameter	Unit	Result	Test Method
1	Stack Monitoring (Particulate Matter - PM)	mg/Nm <sup>3</sup>	26.7	IS 11255 (P-1)
2	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	115.4	IS 11255 (P-7)
3	Nitrogen Oxide (NO <sub>2</sub> )	mg/Nm <sup>3</sup>	478.2	IS 11255 (P-2)

Remark(s): All above results are well within the consent Limit.

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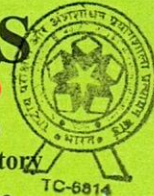
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## TEST CERTIFICATE

Report No: ST-040325-09	Date of Issue	10/03/2025
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	04.03.2025
	Sampling Location	Kiln 1 & 2
	Sample Collected By	Lab Representative

### Source Emission Analysis Report

Stack Attached to Stack : Kiln  
Material of construction Normal : MS  
Ambient Temperature : 34°C  
Flue Gas Temperature : 135°C  
Velocity of Flue Gas : 15.1 m/s  
Quantity of Gas Flow : 86980 Nm<sup>3</sup>/hr

Sr. No	Parameter	Unit	Result	Test Method
1	Stack Particulate Matter (SPM)	mg/Nm <sup>3</sup>	23.19	IS 11255 (P-1)
2	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	122.7	IS 11255 (P-7)
3	Nitrogen Oxide (NO <sub>2</sub> )	mg/Nm <sup>3</sup>	488.20	IS 11255 (P-2)

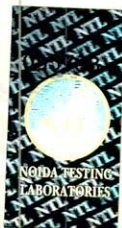
Remark(s): All above results are well within the consent Limit.

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*[Signature]*



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## TEST CERTIFICATE

Report No: ST-040325-10	Date of Issue	10/03/2025
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	04.03.2025
	Sampling Location	CPP Boiler
	Sample Collected By	Lab Representative

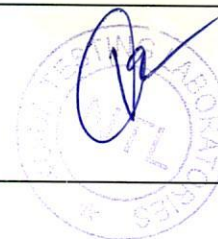
### Source Emission Analysis Report

Stack Attached to Stack	: Boiler
Material of construction Normal	: MS
Ambient Temperature	: 34°C
Flue Gas Temperature	: 118 °C
Velocity of Flue Gas	: 14.22 m/s
Quantity of Gas Flow	: 57332 Nm <sup>3</sup> /hr

Sr. No	Parameter	Unit	Result	Test Method
1	Stack Particulate Matter (SPM)	mg/Nm <sup>3</sup>	28.8	IS 11255 (P-1)
2	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	405.6	IS 11255 (P-7)
3	Nitrogen Oxide (NO <sub>2</sub> )	mg/Nm <sup>3</sup>	118.2	IS 11255 (P-2)

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*[Signature]*



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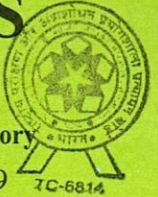
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## TEST CERTIFICATE

Report No: ST-040325-11	Date of Issue	10/03/2025
Client Name and Address: M/s. Rama Udyog Pvt. Ltd. Add.-18TH Mile Stone, Limahi Road, Phase II, Siltara Industrial Area Growth Center, Siltara, Raipur, Chhattisgarh, Pin-493111	Sample Description/ Type	Stack Emission Monitoring
	Date of Sampling	05.12.2024
	Sampling Location	Billet -CCM Stack
	Sample Collected By	Lab Representative

### Source Emission Analysis Report

Stack Attached to Stack	: Billet -CCM Stack
Material of construction Normal	: MS
Ambient Temperature	: 34°C
Flue Gas Temperature	: 224 °C
Velocity of Flue Gas	: 12.7 m/s
Quantity of Gas Flow	: 66750 Nm <sup>3</sup> /hr

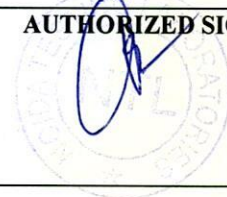
Sr. No	Parameter	Unit	Result	Limits as per CECB	Test Method
1	Particulate Matter (PM)	mg/Nm <sup>3</sup>	22.7	50	IS 11255 (P-1)

Remark(s): All above results are well within the consent Limit.

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**FUGITIVE DUST EMISSION MONITORING REPORT**

<b>Sr. No.</b>	<b>Location</b>	<b>PARAMETERS ug/m<sup>3</sup></b>
		<b>SPM</b>
1	Near DRI 2 & 3	3762.5
2	Near Coal Crusher	1515.7
3	Near Furnce Area	3895.6

## Water Sprinkling System Installed –Annexure 7







## RAMA UDYOG PVT. LTD.

RAMA UDYOG PVT LTD  
18th MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR,  
Country : INDIA

## PURCHASE ORDER(UnApproved)

Page : 1 of 2

<b>Details of Supplier</b> ASHUTOSH EQUIPMENTS (GAS28) 48 VEDBHUMI INDUSTRIAL,ESTATE BAKROL BAKROL,GATRAL ROAD BAKROL BUJRANG,AHMEDABAD - 382430,,AHMEDABAD,INDIA State Name : GUJARAT State Code : 24 GSTIN : 24CTPPP9835C1Z9 PAN No. : CTPPP9835C Contact Detail : Mo. No. : 8511224612, Ph. No. : 0000000, Email : www.ashutoshradseper.in						<b>Order No.</b> : P124Y-00644 Date : 10-03-2025 <b>Amend No.</b> : 0 Date : 10-03-2025 <b>Party Ref. No.</b> : QUTN NO. 387 <b>Party Ref. Date</b> : 10-03-2025 <b>File/Project</b> : TRACTOR HOLLAND CG04 LZ 5595 (RUPL) <b>Division</b> : SPONGE IRON <b>Department</b> : AUTOMOBILE  <b>Valid Upto Date</b> : 25-12-2025					
<b>Delivery Address</b> RAMA UDYOG PVT LTD (WRA01) 18TH MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR,INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in						<b>Billing To Address</b> RAMA UDYOG PVT LTD 18th MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR, Country : INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A CIN No. : U27300CT2016PTC002193 Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in					
Sr. No.	Description of Goods	Order Qty	Unit	Rate (per unit)	Mat. Value / Tax on Amount	SGST		IGST		CESS	
						Rate	Amt.	Rate	Amt.	Rate	Amt.
1	TRACTOR MOUNT ROAD SWEEPER (A0107-020) FOR NEW Mahindra Tractor-585 Di SP Plus, 50 H.P. Purchased for Tilda. 1} TRACTOR MOUNTED HYDRAULIC ROAD BROOMER MACHINE WITH DUST COLLECTION HOPPER.-01 nos- Rs.1,25,000/-+gst 2} SIDE BRUSH ATTACHMENT TO CLEAN SIDE CORNER OF ROAD.-01 nos- Rs.21,000/-+gst. 3} WATER SPRAY SYSTEM.-01 nos- Rs.10,000/-+gst Total - Rs.1,56,000/-+gst  TECHNICAL DATA: OPERATED BY FULLY HYDRAULIC SYSTEM. CONTAINS HYDRAULIC CYLINDER, MOTOR, VALVE, AND HOSE PIPES. TOTAL WIDTH OF MACHINE IS 2270MM. TOTAL WORKING WIDTH OF MACHINE IS 2600 MM WITH SIDE BRUSH. BRUSH MATERIAL POLYPROPYLENE SPECIAL NYLON GRADE. CENTER BRUSH DIA 600MM, THICKNESS OF WIRE IS 2MM. DUST COLLECTION HOPPER 200-250 KG CAPACITY. SIDE BRUSH 550MM DIA WITH PP AND METAL BRISTLES. WATER TANK 100 LTR WITH WATER PUMP AND SPRAY NOZZLES. ADJUSTABLE BRUSH HEIGHT, REPLACABLE BRUSHES. TOUGH WHEELS OF DIA. 250MM. APPROX WEIGHT 400Kgs APPROX. Indent No. : I124Y-00419 Make Name : NOT APPLICABLE Delivery Date : 25-DEC-25	1	NO	1,56,000.00	1,56,000.00 1,56,000.00			18.00	28,080.00	0.00	0.00
Total :		1.000			1,56,000.00				28,080.00		0.00
Amount of Tax subject to Reverse Charges ( Y / N )						IGST		28,080.00			
Total Tax Value (In Word)		Rs - Twenty Eight Thousand Eighty Only .				Total GST Value		28,080.00			
Total Order Value (In Word)		Rs - One Lakh Eighty Four Thousand Eighty Only .				Total Order Value		1,84,080.00			
<b>Terms &amp; Conditions :</b> Basis Of Price : EX-WORK, AHMEDABAD, GUJRAT. IGST : EXTRA. FREIGHT : EXTRA. PACKING AND FORWARDING : INCLUSIVE. Delivery period : 10-15 Months											



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Country : INDIA

## PURCHASE ORDER(UnApproved)

Page : 2 of 2

<b>Details of Supplier</b> ASHUTOSH EQUIPMENTS (GAS28) 48 VEDBHUMI INDUSTRIAL,ESTATE BAKROL BAKROL,GATRAL ROAD BAKROL BUJRANG,AHMEDABAD - 382430,,AHMEDABAD,INDIA State Name : GUJARAT State Code : 24 GSTIN : 24CTPPP9835C1Z9 PAN No. : CTPPP9835C Contact Detail : Mo. No. : 8511224612, Ph. No. : 0000000, Email : www.ashutoshradseper.in		<b>Order No.</b> : P124Y-00644 Date : 10-03-2025 <b>Amend No.</b> : 0 Date : 10-03-2025 <b>Party Ref. No.</b> : QUTN NO. 387 <b>Party Ref. Date</b> : 10-03-2025 <b>File/Project</b> : TRACTOR HOLLAND CG04 LZ 5595 (RUPL) <b>Division</b> : SPONGE IRON <b>Department</b> : AUTOMOBILE  <b>Valid Upto Date</b> : 25-12-2025	
<b>Delivery Address</b> RAMA UDYOG PVT LTD (WRA01) 18TH MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR,INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in		<b>Billing To Address</b> RAMA UDYOG PVT LTD 18th MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR, Country : INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A CIN No. : U27300CT2016PTC002193 Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in	
<b>Payment terms</b> : MIXED. <b>GUARANTEE/WARRANTY</b> : 01 YEAR WARRANTY. <b>INSPECTION</b> : AT OUR SITE. <b>Jurisdiction</b> : AT RAIPUR CHATTISGARH DISTRICT COURT. <b>Remark</b> : MENTION P.O. NO. IN INVOICE COPY.			
PRADEEP VERMA		For RAMA UDYOG PVT. LTD.	
Prepared By	Checked By	Approved By	Authorised Signatory

Raw material truck covered with tarpaulin –Annexure 9A

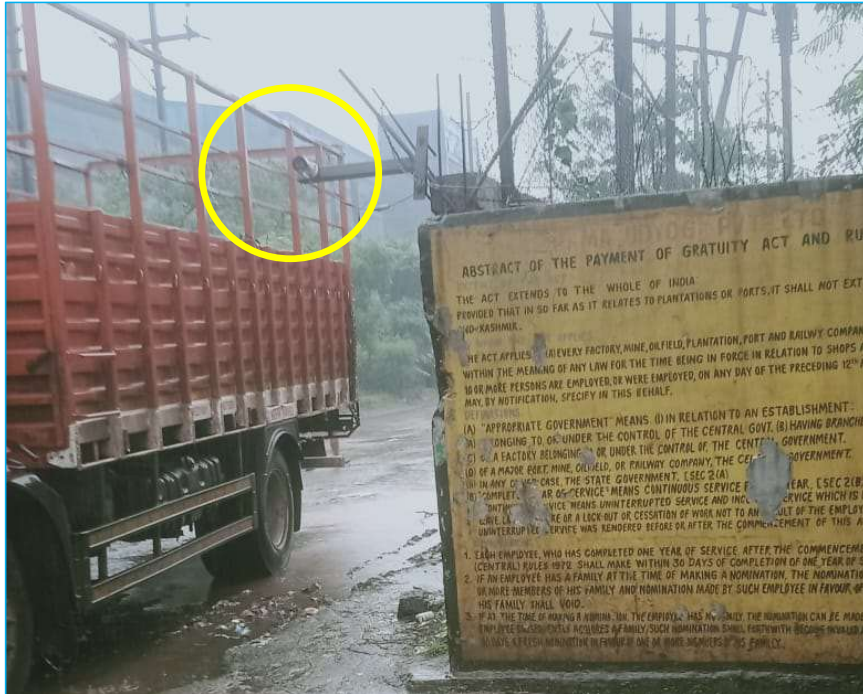


## Wheel Washing System Installed—Annexure 9B





### CCTV Camera Installed at Main Gate of Plant–Annexure -10





## Storage Of Raw Material In shed –Annexure-11



## Effluent Treatment System (ETP) of 150KLD Installed at CPP–Annexure 12



## Sewage Treatment System (STP) of 20 KLD Installed at Labour colony–Annexure 13





**PIEZOMETER GROUND WATER ANALYSIS REPORT**

<b>Sr. No.</b>	<b>PARAMETERS</b>	<b>Unit</b>	<b>Rama Udyog Piezometer Analysis Results</b>	<b>Rama Steel Piezometer Analysis Results</b>
1	Colour	Hazen	<5	<5
2	Taste	-	Agreeable	Agreeable
3	Odour	-	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1
5	pH	-	7.69	7.7
6	Free Residual Chlorine	mg/Lit	N.D.	N.D.
7	Total Dissolved Solids	mg/Lit	139.5	151.3
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/Lit	130.2	133.4
9	Total Hardness (as CaCO <sub>3</sub> )	mg/Lit	128.4	136.1
10	Calcium (as Ca)	mg/Lit	34.6	29.2
11	Magnesium (as Mg)	mg/Lit	23.8	26.9
12	Chloride (as Cl)	mg/Lit	34.7	38.5
13	Sulphate (as SO <sub>4</sub> )	mg/Lit	38.6	41.2



## RAMA UDYOG PVT. LTD.

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Country : INDIA

## PURCHASE ORDER(UnApproved)

Page : 1 of 2

Details of Supplier GREEN RIPPLES PRIVATE LIMITED (GGR10) 395 VINAY BHAWAN NEW SHANTI NAGAR,RAIPUR,RAIPUR,RAIPUR,INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAECG3843L1ZM PAN No. : AAECG3843L Contact Detail : Mo. No. : 9977204448, Ph. No. : 2445544, Email : info@greenripples.com	Order No. : P724Y-00030 Date : 28-03-2025 Amend No. : 0 Date : 28-03-2025 Party Ref. No. : QUTN NO. NIL Party Ref. Date : 21-03-2025 File/Project : PLANT LIGHTING WORK, NEW ADMIN BUILDING OFFICE Division : SPONGE IRON Department : ELECTRICAL  Valid Upto Date : 25-12-2025
---	---

Delivery Address RAMA UDYOG PVT LTD (WRA01) 18TH MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR,INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in	Billing To Address RAMA UDYOG PVT LTD 18th MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR, Country : INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A CIN No. : U27300CT2016PTC002193 Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in
--	---

Sr. No.	Description of Goods	Order Qty	Unit	Rate (per unit)	Mat. Value / Tax on Amount	SGST		CGST		CESS	
						Rate	Amt.	Rate	Amt.	Rate	Amt.
1	ON-GRID 60 KW SOLAR POWER PLANT (E0412-088) Design, Engg, Supply & Installation of On-grid Solar Power Plant- 60Kw Panel- Icon-R Indent No. : I124Y-00446 Make Name : NOT APPLICABLE Delivery Date : 25-DEC-25	1	SET	17,40,000.00	17,40,000.00 17,40,000.00	14.00	2,43,600.00	14.00	2,43,600.00	0.00	0.00
2	SOLAR INTEGRATED STREET LIGHT (ALL IN ONE) (E0208-054) Supply of Solar Integrated Street Ligth (All in One)- 1) Led : 50W, Inbuilt Battery - 30 AH Life Po4 2) Solar Panel : 80WP Mono Include Dusk to Down System (Automatic on/off Including PIR Motion Sensor. Indent No. : I124Y-00446 Make Name : NOT APPLICABLE Delivery Date : 25-DEC-25	20	NO	1,450.00	29,000.00 29,000.00	14.00	4,060.00	14.00	4,060.00	0.00	0.00
3	GI POLE 3 MTR WITH LIGHT ARM AND PANEL STAND (S0308-256) Pole-6 mtr GI Pole with Light Arm & Panel Stand. Indent No. : I124Y-00446 HSN/SAC No. : 7308 Make Name : NOT APPLICABLE Delivery Date : 25-DEC-25	20	NO	3,200.00	64,000.00 64,000.00	9.00	5,760.00	9.00	5,760.00	0.00	0.00
Total :		41.000			18,33,000.00		2,53,420.00		2,53,420.00		0.00

Amount of Tax subject to Reverse Charges ( Y / N )						SGST	2,53,420.00
						CGST	2,53,420.00
Total Tax Value (In Word)	Rs - Five Lakhs Six Thousand Eight Hundred Forty Only .					Total GST Value	5,06,840.00
Total Order Value (In Word)	Rs - Twenty Three Lakhs Thirty Nine Thousand Eight Hundred Forty Only .					Total Order Value	23,39,840.00

Terms & Conditions :	
Basis of Price	: F.O.R DELIVERY & INSTALLATION IN RUPL SITE.
SGST/CGST	: EXTRA.
FREIGHT	: EXTRA.
PACKING AND FORWARDING	: INCLUSIVE.
Delivery period	: WITHIN 15-20 DAYS.
Payment terms	: MIXED.
GUARANTEE/WARRANTY	: AS PER MANUF. NORMS.
INSPECTION	: AT OUR SITE.
REJECTION	: IF PERFORMANCE IS NOT GET ACCORDING TO STANDARD COMMITMENT.
Jurisdiction	: AT RAIPUR DISTRICT COURT.



# RAMA UDYOG PVT. LTD.

RAMA UDYOG PVT LTD  
18th MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR,  
Country : INDIA

## PURCHASE ORDER(UnApproved)

Page : 2 of 2

<b>Details of Supplier</b> GREEN RIPPLES PRIVATE LIMITED (GGR10) 395 VINAY BHAWAN NEW SHANTI NAGAR,RAIPUR,RAIPUR,RAIPUR,INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAECG3843L1ZM PAN No. : AAECG3843L Contact Detail : Mo. No. : 9977204448, Ph. No. : 2445544, Email : info@greenripples.com		<b>Order No.</b> : P724Y-00030 Date : 28-03-2025 <b>Amend No.</b> : 0 Date : 28-03-2025 <b>Party Ref. No.</b> : QUTN NO. NIL <b>Party Ref. Date</b> : 21-03-2025 <b>File/Project</b> : PLANT LIGHTING WORK, NEW ADMIN BUILDING OFFICE <b>Division</b> : SPONGE IRON <b>Department</b> : ELECTRICAL  <b>Valid Upto Date</b> : 25-12-2025	
<b>Delivery Address</b> RAMA UDYOG PVT LTD (WRA01) 18TH MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR,INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in		<b>Billing To Address</b> RAMA UDYOG PVT LTD 18th MILE STONE,LIMAH ROAD, PHASEII,,SILTARA INDUSTRIAL GROWTH CENTER,,SILTARA - 493111,,RAIPUR, Country : INDIA State Name : CHHATTISGARH State Code : 22 GSTIN : 22AAHCR6839A2ZK PAN No. : AAHCR6839A CIN No. : U27300CT2016PTC002193 Contact Detail : Mo. No. : 9201963628, Ph. No. : 9201963601, Email : purchase.agm@ramaudyog.co.in	
<b>TEST CERTIFICATE</b> : ALONG WITH SUPPLY. <b>Remark</b> : 1) "RUPL" HAVE ALL RIGHT RESERVE TO CANCEL THE ORDER WITHOUT ANY PRIOR INTIMATION BEFORE THE DESPATCH OF MATERIAL. 2) INSTALLATION OF STREET LIGHT DIRECT IN GROUND WITH CONCRETE IN DEPTH OF 01 MTR WITH MATERIAL - 20 NOS * Rs.3750/- = Rs.75,000/-+GST 3) WORKING TIMES - 08 HRS. 4) STANDARD : IP 66, 5) BODY STRUCTURE : ALUM. DIE CAST 6) WARRANTY : LIGHT & BATTERY 2 YEARS.			
PRADEEP VERMA		For RAMA UDYOG PVT. LTD.	
Prepared By	Checked By	Approved By	Authorised Signatory



### LED Light Installed at Different Location of Plant–Annexure 13



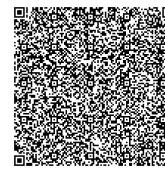


# RAMA UDYOG PVT. LTD.

18th MILE STONE, LIMAH ROAD, PHASE II, SILTARA INDUSTRIAL GROWTH  
CENTER, SILTARA RAIPUR, INDIA

GST NO. : 22AAHCR6839A2ZK, CIN No. : U27300CT2016PTC002193

Ph. No. : 8839764649 Email : sales@ramaudyog.co.in



## Tax Invoice

ORIGINAL FOR RECEIPT

### E-Invoice Details :

IRN No.: 95fb92f13437246220b4bc83f53453ed95e6230815aa066b8bc20b19e7d6265d  
ACK No.: 182314838516992

IRN Dt.: 11-NOV-23  
ACK Dt.: 11-NOV-23

Recipient Name (Billed To) COLUMBIA PETRO CHEMICALS 22, INDUSTRIAL AREA, BILASPUR ROAD, BHANPURI, RAIPUR - 492001, INDIA GST NO. : 22AADFC3038P1ZI State Name : CHHATTISGARH, State Code : 22 PAN No. : AADFC3038P	Invoice No. SB23Y-01716	Dated 11-11-2023
	Sale Bill Ref No.	Dated
	Sale Order No. SD23Y-00336	Mode/Term of Payment
	Delivery Order No. OT23Y-02061	Trpt Name SELF
Consignee Address (Shipped To) COLUMBIA PETRO CHEMICALS 22, INDUSTRIAL AREA, BILASPUR ROAD, BHANPURI, RAIPUR - 492001, INDIA, GST No. : 22AADFC3038P1ZI State Name : CHHATTISGARH State Code : 22 PAN No. : AADFC3038P	Buyers's P.O. No. VERBAL DISCUSSION	Dated 11-NOV-23
	Broker Name DIRECT	From Place RAMA UDYOG, SILTARA
	Despatched through Truck	To Place RAIPUR
	Bill Of Lading/LR-RR No.	Vehicle No. CG04PS0694

Sr No	Description of Goods	HSN/SAC	No. of PCS	Tot. wt. (Qty)	Per	Rate	Amount
1	WASTE TRANSFORMER OIL	27101990		209.000	LTR	20.00	4,180.00
						SGST CGST TCS	376.00 376.00 49.00

Total : 209.000 4,981.00

### Amount Chargeable(in Words)

Rs - Four Thousand Nine Hundred Eighty One Only .

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
27101990	4,180.00	9	376.00	9	376.00	752.00
Total :	4,180		376.00		376.00	752.00

GST Amount(in words) : Rs - Seven Hundred Fifty Two Only .

### Remark :

### RTGS Details

Bank Name : AXIS BANK

A/c No. : 922030067838738

IFS Code & Branch : UTIB0000139 & Raipur

Company's PAN : AAHCR6839A

### Terms & Conditions :

- 1) Payment terms will be Strictly as per P.O. terms otherwise interest will be charge @35% P.A.
- 2) Once goods sold & delivered will not be accepted back.
- 3) We are not responsible for any Damage/Shortage, once good leave our Premises/handed over to motor transport or other Carriers.
- 4) All disputes are Subject to Raipur Jurisdiction.

For RAMA UDYOG PVT. LTD.

Driver Signature      Prepared By      Despatch Head      Authorised Signatory



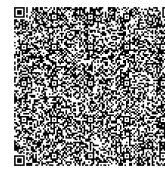


# RAMA UDYOG PVT. LTD.

18th MILE STONE, LIMAH ROAD, PHASE II, SILTARA INDUSTRIAL GROWTH  
CENTER, SILTARA RAIPUR, INDIA

GST NO. : 22AAHCR6839A2ZK, CIN No. : U27300CT2016PTC002193

Ph. No. : 8839764649 Email : sales@ramaudyog.co.in



## Tax Invoice

DUPLICATE FOR TRANSPORTER

### E-Invoice Details :

IRN No.: 95fb92f13437246220b4bc83f53453ed95e6230815aa066b8bc20b19e7d6265d  
ACK No.: 182314838516992

IRN Dt.: 11-NOV-23  
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	Sale Bill Ref No.	Dated
	Sale Order No. SD23Y-00336	Mode/Term of Payment
	Delivery Order No. OT23Y-02061	Trpt Name SELF
Consignee Address (Shipped To) COLUMBIA PETRO CHEMICALS 22, INDUSTRIAL AREA, BILASPUR ROAD, BHANPURI, RAIPUR - 492001, INDIA, GST No. : 22AADFC3038P1ZI State Name : CHHATTISGARH State Code : 22 PAN No. : AADFC3038P	Buyers's P.O. No. VERBAL DISCUSSION	Dated 11-NOV-23
	Broker Name DIRECT	From Place RAMA UDYOG, SILTARA
	Despatched through Truck	To Place RAIPUR
	Bill Of Lading/LR-RR No.	Vehicle No. CG04PS0694

Sr No	Description of Goods	HSN/SAC	No. of PCS	Tot. wt. (Qty)	Per	Rate	Amount
1	WASTE TRANSFORMER OIL	27101990		209.000	LTR	20.00	4,180.00
						SGST CGST TCS	376.00 376.00 49.00

Total : 209.000 4,981.00

### Amount Chargeable(in Words)

Rs - Four Thousand Nine Hundred Eighty One Only .

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
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27101990	4,180.00	9	376.00	9	376.00	752.00
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### Remark :

### RTGS Details

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A/c No. : 922030067838738

IFS Code & Branch : UTIB0000139 & Raipur

Company's PAN : AAHCR6839A

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- 4) All disputes are Subject to Raipur Jurisdiction.

For RAMA UDYOG PVT. LTD.

Driver Signature      Prepared By      Despatch Head      Authorised Signatory

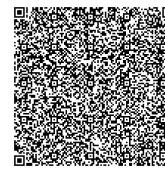


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18th MILE STONE, LIMAH ROAD, PHASE II, SILTARA INDUSTRIAL GROWTH CENTER, SILTARA RAIPUR, INDIA

GST NO. : 22AAHCR6839A2ZK, CIN No. : U27300CT2016PTC002193

Ph. No. : 8839764649 Email : sales@ramaudyog.co.in



## Tax Invoice

TRIPLICATE FOR SUPPLIER

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	Broker Name DIRECT	From Place RAMA UDYOG, SILTARA
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Total : 209.000 4,981.00

### Amount Chargeable(in Words)

Rs - Four Thousand Nine Hundred Eighty One Only .

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### Remark :

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For RAMA UDYOG PVT. LTD.

Driver Signature      Prepared By      Despatch Head      Authorised Signatory

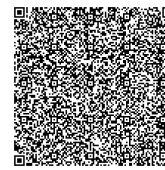


# RAMA UDYOG PVT. LTD.

18th MILE STONE, LIMAH ROAD, PHASE II, SILTARA INDUSTRIAL GROWTH CENTER, SILTARA RAIPUR, INDIA

GST NO. : 22AAHCR6839A2ZK, CIN No. : U27300CT2016PTC002193

Ph. No. : 8839764649 Email : sales@ramaudyog.co.in



## Tax Invoice

EXTRA COPY

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- 4) All disputes are Subject to Raipur Jurisdiction.

For RAMA UDYOG PVT. LTD.

Driver Signature      Prepared By      Despatch Head      Authorised Signatory



**COMPOSTING PIT FOR COMPOSTING THE KITCHIN WASTE CONSTRUCTED**



**DETAILS OF GREEN BELT & TREE PLANTATION****Tree Species planted :**

2021-2022	2022-2023	Tree Plantation till Date
1000	1000	11200
Peltaforum, Peepal, Gulmohor, Neem, Moulshri, Kaner, Karaj, Ashok, Ber, Palm, Champa, Nilgri		



## Wide Green Belt developed at Plant Area—Annexure-15B





# **DIRECTORATE, INDUSTRIAL HEALTH & SAFETY, RAIPUR (C.G.)**

**Block-III, 2nd Floor, Indravati Bhawan, Naya Raipur (C.G.)**

e-mail - dihscg@gmail.com

Ph. No. - 0771-2442360

Application No. : 604675

Raipur, dated : 29/12/2023

To,

The Occupier,  
RAMA UDYOG (PVT) LIMITED  
Limahi Road, Beside PD Industries Siltara, Phase - II Raipur (CG)

**Sub :- ON-SITE EMERGENCY PLAN.**

**Ref :- Your documents on the subject dated 20/12/2023**

Please be informed that documents (placed below containing pages (69 duly verified by the occupier ) in which the occupier has disclosed the information related to hazards at his installation in compliance of the section 41-B of the factories Act, 1948 and which also describes his On-Site Emergency Plan (After supplementing certain modification by the MAHC Cell distinctively marked on the plan) is hereby notified final with the following stipulations :-

(i) That in the case any relevant information as required under the section 41-B of the Factories Act, 1948, If has not been disclosed this notification does not provide any exemptin in this regard and the occupier himself is liable for concealing the information.

(ii) That the documents will be subjected for review :-

(a) Generally after a period of two years from the date of issue of this order.

(b) During any intervening period of two years if it is instructed to do so by this cell.

OR

(c) Invariably, when any change in the plant, machinery, Building, Structure, substance, storage or the manufacturing processes/operations is intended by the occupier or his factory persons;

(iii) That the documents will have to be reviewed (as above) always in consultation with this cell and it will be occupier's liability to provide reasonable time for review and get notified final for further period;

(iv) That suitable training/mock-drill/exercise be arranged at the factory to make all concerned familiar with their duties/ responsibilities as outlined in the on-site emergency and be well trained to act accordingly at any emergency and save lives as well as the property:

(v) That reports/ observation of mock-drills/rehearsal or action at any emergency situation that might have arisen, shall be furnished by the factory management to this cell to assess efficiency of the plan.

(vi) The necessary copies of this plan or part thereof be got multiplied by the factory management and provide to all concerning statutory authorities and other persons and also placed at designated emergency control centre in an accessible place to all concerned in the factory.

(vii) That in case of failure to comply with the stipulations or the relevant provisions of the law, not with standing legal proceeding to which the occupier may be subjected, he himself will bear (for any suspension/refusal rejection of his licence to work the factory) the liability of such action.

**Encl.:- As above**

**BHIM SINGH** Digitally signed  
by BHIM SINGH  
Date: 2023.12.29  
16:27:40 +05'30'

**Chief Inspector of Factories  
Govt.of C.G. Raipur**

# RAMA UDYOG PVT. LTD.

CIN : U27300CT2016PTC002193

Works : Beside P.D. Industries, Limahi Road, Siltara, Phase - II, Raipur (C.G.) Pin : 493111  
Reg. Office : 209, Deshbandhu Press Complex, Agrasen Chowk, Ramsagar Para, Raipur (C.G.) Pin - 492001

Date: 05 April 2022

To,  
The Chairman,  
State level Expert Committee, Chhattisgarh,  
Ministry of Environment Forest and Climate Change,  
Government of India,  
Prayas Bhawan, Sector - 19, Atalnagar,  
Raipur CHHATTISHGARH

**Sub: Proposed Hot Charging TMT Rolling Mill of 57800 MTPA capacity AND Online Proposal no SIA/CG/IND/211530/2021 dated 13/05/2021**

Dear Sir,

This has reference to your letter no. 1778/SIAC, CG/Raipur /1650 dated 22/02/2022 and our letter dated 01/03/2022 received by your good office on 03/03/2022.

In this letter we have given the brief details of CER which are enumerated below.

**Detail Proposal for CER :**

We have proposed CSR of 1.5 % of proposed project cost as per O&M dated September 30<sup>th</sup> 2020, but we pleased to inform you that we will increase this amount up to 2% of the proposed project cost.

**The details of proposed expenditure are as below:**

Proposed activity (Based on local demand activities)	Investment (In Lakhs)			TOTAL
	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	
Plantation of trees in nearby areas	2.75	3.5	4.75	11.0
Road and Infrastructure Development	6.0	6.0	9.0	21.0
Free Workshop & Training for local people	4.0	4.0	5.0	13.0
Development & Rehabilitation of a nearby area.	5.0	5.0	5.0	15.0
<b>TOTAL</b>	<b>17.75</b>	<b>18.5</b>	<b>23.75</b>	<b>60.00</b>



# RAMA UDYOG PVT. LTD.

CIN : U27300CT2016PTC002193

Works : Beside P.D. Industries, Limahi Road, Siltara, Phase - II, Raipur (C.G.) Pin : 493111  
Reg. Office : 209, Deshbandhu Press Complex, Agrasen Chowk, Ramsagar Para, Raipur (C.G.) Pin - 492001

In this proposal we propose an ECO Park in our factory campus for which we are enclosing herewith proposal for the same.

Kindly acknowledge the same and do the needful.

Thanking you,

Yours faithfully

For **RAMA UDYOG PRIVATE LIMITED,**



**N. K. GUPTA**  
Chief Operating Officer



# PROPOSAL FOR CORPORATE ENVIRONMENTAL RESPONSIBILITY

## DEVELOPMENT OF ECOPARK



**RAMA**  
RAMA UDYOG PVT. LTD.

**RAMA UDYOG PVT. LTD.**

Proposal No.PI/PRP/22-04/1

Revision No. 0

Issue Date: 04-04-2022

**Ultra-Tech Environmental Consultancy & Laboratory**

In Association With

**Prayukti International**

**ULTRA TECH**





PRAYUKTI GROUP

Company Name

Technical &amp; Commercial

**Project / Facility:** PROPOSAL FOR CORPORATE ENVIRONMENTAL RESPONSIBILITY

**Study:** DEVELOPMENT OF ECOPARK

**Proposal Type:** Technical & Commercial

**Document Ref. No:** PI/PRP/22-04/1

**Revision No:** 0

**Issue Date:** 04-04-2022

**Prepared for:** RAMA UDYOG PVT. LTD.

Siltara Industrial Area, Phase -II, Raipur, Chhattisgarh

**Prepared by:** Bongs Prayukti International Pvt. Ltd.

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A PRAYUKTI Group of Organisation

Client				Report No.	
Company Name				PI/PRP/22-04/1	
Revision	Description	Originator	Reviewed	Approved	Date
0	Draft Report for Client Review	MS	SB	SB	04-04-2022

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# PRAYUKTI INTERNATIONAL

A PRAYUKTI Group of Organisation



## 1 INTRODUCTION

Rama Group incorporated in the year 2016, with the establishment of Rama Udyog Pvt. Ltd. and have slowly and steadily grown and emerged as one of the India's leading steel manufacturers. The company acquired two units (Unit II and Unit III) producing 57,800 TPA (28800 TPA + 29000TPA) of MS billets / Ingots from M/s Baldev Alloys Private Limited in 2016.

The Consent to Operate (CTO) for Unit II was originally issued in 2009 vide consent letter number: 2258/RO/TS/CECB/2009 dated 08.07.2009. This was subsequently renewed. The renewal letter for the period 01.10.2015 to 30.09.2021 was issued vide letter reference 5523/RO/TS/CECB/2018 dated 23.10.2018.

The Consent to Operate (CTO) for Unit III was originally issued in 2011 vide consent letter number: 478/RO/TS/CECB/2011 dated 30.05.2011. This was subsequently renewed. The renewal letter for the period 01.02.2020 to 31.01.2023 was issued vide letter reference 4799/RO/TS/CECB/2020 dated 26.02.2020.

Now the company is willing to merge the Unit II and Unit III and to undertake product modification project to manufacture TMT bar from existing billet 57,800 (TPA) at the existing plant installing Hot Charging Rolling Mill. No additional land is required for the proposed expansion.

# PRAYUKTI INTERNATIONAL

## 2 OVERVIEW

Corporate Environmental Responsibility (CER) refers to a company's duties to abstain from damaging natural environments. Until now, governments had maintained principal responsibility for ensuring environmental management and conservation. The public sector has been focused on the development of regulations and the imposition of sanctions as a means to facilitating environmental protection. Recently, the private sector has adopted the approach of corporate responsibility towards the prevention and alleviation of environmental damage. The sectors and their roles have been changing, with the private sector becoming more active in the protection of the environment. Many governments, corporations, and big companies are now providing strategies for environmental protection and economic growth.

Based on this approach, Rama Udyog Pvt. Ltd. Has decided to set up an Ecopark within its premises as a part of its Corporate Environmental Responsibility (CER).

## 3 DEFINITION OF AN ECOPARK

The parks are public green areas. It's areas generally having abundance of trees and plants, grass and various facilities (such as benches, playgrounds, fountains and other equipment) that allow to enjoy the leisure and rest.



However, this park will be located inside an industrial area and hence will not have any playgrounds.

#### 4 LAND BREAKUP

Land Use	Existing Area (Sqm)	% Area	After expansion Area (Sqm)	Percentage (%)
Plant Area (including offices)	6111.06	14.37	15686.06	36.88
Internal Road	2695.7	6.34	2695.7	6.34
Area for Plantation	15075.36	35.45	15075.36	35.45
Open Area	16775.46	39.44	7200.46	16.93
Others	1870.84	4.4	1870.84	4.4
Total	42528.42	100	42528.42	100

#### 5 DEVELOPMENT OF AN ECOPARK

The project proponent will develop an Ecopark on the project site on a land measuring 15075.36 Sq.m which will be 35.45% of the total land area 42528.42Sq.m.





Trees planted for within the park will be as per the guidelines issued by the Central Pollution Control Board's PROBES/1999-2000. Most of the trees planted are native and indigenous to the area as recommended by CEPT's guidelines.

Around 2250 trees (@1500 nos. of tree per hectares) will be planted in the proposed Ecopark area.

Based on climate and soil characteristics of the study area, some species that are recommended for plantation are presented below:

#### List of trees to be planted in the Ecopark

Sl.No.	Common Name	Scientific Name
1	Karanj	Millettia pinnata
2	Gulmohor	Delonix regia
3	Sishu	Dalbergia sissoo
4	Amrud	Psidium guajava
5	Amla	Phyllanthus emblica
6	Neem	Azadirachta indica
7	Palash	Butea frondosa
8	Aam	Mangifera indica
9	Mahua	Madhuca latifolia
10	Sahjan	Moringa species
11	Sthalapadma	Nerviliaaragoana
12	Chironji	Buchananialanzan
13	Dhaura	Anogeissus latifolia
14	Amla	Emblca officinalis
15	Kachar	Bauhinia variegata
16	Asoka	Saracaasoca
17	The silk cotton	Ceiba pentandra



18	Jarul	<i>Lagerstroemia speciosa</i>
19	Indian Tulip	<i>Thespesia populnea</i>
20.	Frangipani	<i>Plumeria alba</i>

### List of flowering shrubs and herbs to be planted in the Ecopark

Sl. No.	Common Name	Scientific Name
1.		<i>Daphne sp.</i>
2.	Lily of the Valley Shrub	<i>Convallaria majalis</i>
3.	Impala lily	<i>Adenium multiflorum</i>
4.	Madagascar periwinkle	<i>Catharanthus roseus</i>
5.	China rose	<i>Hibiscus rosasinensis</i>
6.	Marigold	<i>Tagetes sp.</i>
7.	4 'o' clock	<i>Mirabilis jalapa</i>
8.	Yellow trumpet flower	<i>Tecoma stans</i>
9.	Red oleander	<i>Nerium oleander</i>
10.	Jasmine	<i>Jasminum sp.</i>
11.	Bougainvillea	<i>Bougainvillea sp.</i>
12.	Jungle geranium	<i>Ixora coccinea</i>
13.	Begum bahar	<i>Tibouchina semidecandra</i>
14.		<i>Mussaenda acuminata</i>
15.	Golden-trumpet	<i>Allamanda cathartica</i>

Additionally, there will be benches inside the park for resting. The park will be well-illuminated and well-maintained.

## 6 EXPENSES DETAILS FOR PLANTATION AS UNDER CER

The head wise details in last five year are as under.

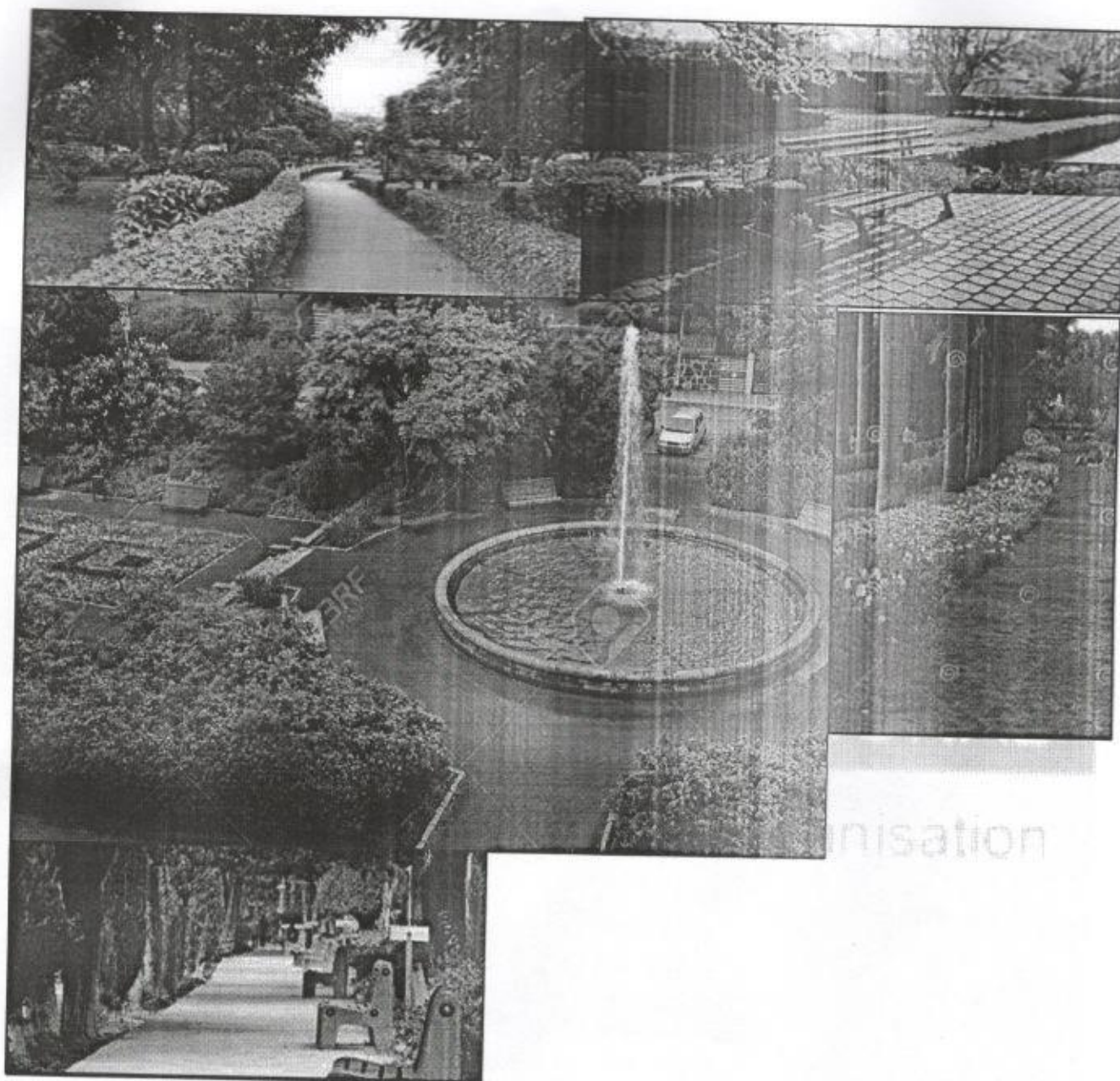
Proposed activity (Based on local demand activities)	Year wise Expenses (In Lakhs)					Proposed Budget for (3 Years- 2022 to 2025)
	2017-18	2018-19	2019-20	2020-21	2021-22	
Purchase of tree	0.58	0.25	1.29	0.35	0.80	4.00
Development Land Area	0.35	0.29	0.58	0.30	0.66	1.80
Khad and Pesticides	0.26	0.50	0.50	0.77	0.90	2.00
Water & its Line				2.30		0.80
Salary & Wages of Gardner	1.20	1.20	2.20	2.20	2.20	2.40
<b>TOTAL</b>	<b>2.39</b>	<b>2.24</b>	<b>4.57</b>	<b>5.92</b>	<b>4.56</b>	<b>11.00</b>
The cost for Project Management Consultancy (PMC) is 2.00 lakhs						

A PRAYUKTI Group of Organisation



Company Name

Technical & Commercial



Pictorial representation of an Ecopark



RAMA UDYOG PRIVATE LIMITED

## RAMA UDYOG PRIVATE LIMITED

HSE (Health Safety and Environment)

**RAMA UDYOG PRIVATE LIMITED IS COMMITED TO:**

- ❖ Implementing and Maintaining sound Safety and Environmental Practices.
- ❖ Consistently meeting all prevalent Regulatory and Statutory norms related to Safety and Environment and exceed wherever practicable.
- ❖ Enhancing Safety & Environmental Awareness among employees and general public in and around the plant.
- ❖ Conservation of key input resources like Energy and Water.
- ❖ Providing necessary resources for promotion of clean environment and continuously Safety strive for improvement in our Safety and Environmental Performance.





## WHOM SO EVER IT MAY CONCERN

In view to keep the Industrial Environment free from pollution and keep it within prescribed limits, make the conditions stipulated by Central and State Government complied with a senior, responsible and qualified member of team with Environment Expert has been made and documented. This team is named as Environment Cell who will take care and take decision for controlling the pollution level and up-keep of Industry Environment. This cell directly reports to Chaiman of Rama Udyog. The name of the members of Environment Cell is given below:

Sl. No	Name	Qualification Designation	& EMC
1	Mr. G.S. Reddy	Plant-Head-BE-Mech	President
2	Mr. Sanjay Pandey	Manager Personal-MBA	Member
3	Mr. Santosh Mishra	Mgr. Corporate Affairs-LLB	Coordinator
4	Dr. V. S. Kapur	Environment Professional- MSc-Env, PhD-Env	Environment Expert – On Company List of Consultant

Rama Udyog Pvt. Ltd.



Director

(Authorised Signatory)

Date :



**RAMA UDYOG PVT. LTD.**

18th Milestone, Limahi Road, Phase II

Siltara Industrial Growth Center Siltara, Raipur, Chhattisgarh, India, 493111

T - 1800 890 5099 | Info@ramatmt.com

CIN - U27300CT2016PTC002193



# Certificate of Registration

This is to Certify that  
Environmental Management System of

**RAMA UDYOG PVT. LTD.**

PLOT NO. 114/2-5, 114/8-9, INDUSTRIAL GROWTH CENTRE, PHASE-II,  
SILTARA, RAIPUR-493111 (C.G.) INDIA

has been assessed and found to conform to the requirements of

**ISO 14001:2015**

for the following scope :

**MANUFACTURING & SUPPLY OF BILLETS, TMT BARS & SPONGE IRON**

Certificate No : **21IEGG56**

Initial Registration Date : 09/03/2021

Issuance Date : 09/03/2021

Date of Expiry : 08/03/2024

1st Surve. Due : 09/02/2022

2nd Surve. Due : 09/02/2023

  
**Director**



**ACCREDITED**  
Management Systems  
Certification Body  
MSCB-119



**AQC MIDDLE EAST FZE.**

Head Office: E1-1401 E Amber Gem Tower, Sheikh Khalifa Bin Zayed Road, 2, Ajman, UAE. e-mail: [info@aqcworld.com](mailto:info@aqcworld.com).

Key Location: 403, Madhuban Building, 55, Nehru Place, New Delhi-110019, India.

\*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn).

Certificate Verification: Please Re-check the validity of certificate at <http://www.aqcworld.com/activeclients.aspx> or [www.aqcworld.com](http://www.aqcworld.com) at Active Clients.

Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded.



# ENVIRONMENT AUDIT REPORT

FOR THE YEAR

2023-24

FOR

## RAMA UDYOG PRIVATE LIMITED

LIMAHAI ROAD-INDUSTRIAL AREA

SILTARA-PHASE-II RAIPUR CHHATTISGARH



PREPARED BY



**We The Environment Patronage**

**Dr. V. S. Kapur**

(PHD in Environmental Science)

**ILKA TECH PRIVATE LIMITED**

Sai Villas 02, Raipur-Bhilai Expressway Road,

NH6, Durg, CHHATTISGARH

## Promoters Details

**Mr. Sanjay Goyal** aged about 51 years is qualified Engineer hails from Satna (M.P.). After completion of education, he joined the steel trading business of the family in the name and style of Ram Kumar Suresh Kumar. Three decades ago, the firm was of India fame in the area of steel trading. Later on, the trading business of same was diverted in the name and style of RKSK STEEL (INDIA) PVT LTD. In the year 2010 the Mr. Goyal has decided to enter into manufacturing activity and has acquired fully automatic Rolling mill at Raipur in the name of Rama Power and Steel Private Limited and same is running at 100% capacity utilization. Later on, to further strengthen the business activity Mr. Goyal in the year 2015 has acquired Integrated Steel Plant Consisting of DRI, CPP and SMS in the name of Rama Udyog Pvt. Ltd.

**Mr. Suresh Kumar Goyal** aged about 48 years is a Bachelor degree in commerce. He is the promoter director of the company. He belongs to reputed business family in Satna. He has more than 26 years of experience in steel trading and manufacturing. Apart from that he also has the expertise in steel related plant and machinery.

## INTRODUCTION

Rama Udyog Pvt. Ltd. was incorporated with Registrar of Company (CG) on 11.03.2016 as Private Limited Company. The Group is engaged in the business of steel products such as Sponge Iron, Power, MS Billets, Structural Steel and TMT. The product is manufactured by using world class Thermax Technology.

The promoters of the company are Mr. Sanjay Goyal and Mr. Suresh Kumar Goyal who are the reputed industrialist in secondary steel manufactures in Madhya Pradesh & Chhattisgarh. The registered office of the company is located at 18<sup>th</sup> Milestone, SKS Road, Siltara Industrial Growth Centre Phase- II, Siltara Raipur 493111.

Rama Udyog is planning for expansion of existing plant capacity, the proposal is Brownfield project for expansion of production facilities for Sponge Iron; MS Billet, Steel Rerolled products production facilities. Existing DRI Kilns i.e., 4 No. of 50 TPD will be proposed with 2no. of 100 TPD in new setup. In total, unit after capacity configuration resulting into expansion of Sponge Iron Kiln will consist of 2 Nos. of DRI Kilns i. e 2 Nos. of 100 TPD making total 200 TPD Sponge Iron productions along with 6 MW WHRB and BIO MASS BASED 6MW and 2MW AFBC.

**Geographical Location of Rama Udyog private Limited**

<b>SI No</b>	<b>Components</b>	<b>Description</b>
1	Plant Location	Kh.No. – 114/(10-12), Siltara, Phase –II, Raipur, Chhattisgarh
2	Village/District/State	Siltara / Raipur / Chhattisgarh
3	Total Plant Area	37.13 Acres
4	Maximum temperature	46 deg Cel (peak summer)
5	Minimum temperature	7.0 deg cel (peak winter)
6	Annual rainfall (total)	Avg annual rainfall is 1252.8 mm
7	Nearest highway	NH30
8	Nearest Railway Station	Mandhar Railway Station – Road distance – 12.6 km Junction - Raipur railway station, distance approx 15 km through NH30
9	Nearest Airport	Swami Vivekananda Airport, Distance approx.. 35 km
10	Nearest major water bodies	Kharun River
11	Nearest town/City	Raipur
12	Nearest village	Siltara
13	Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	Not Available within 10 km

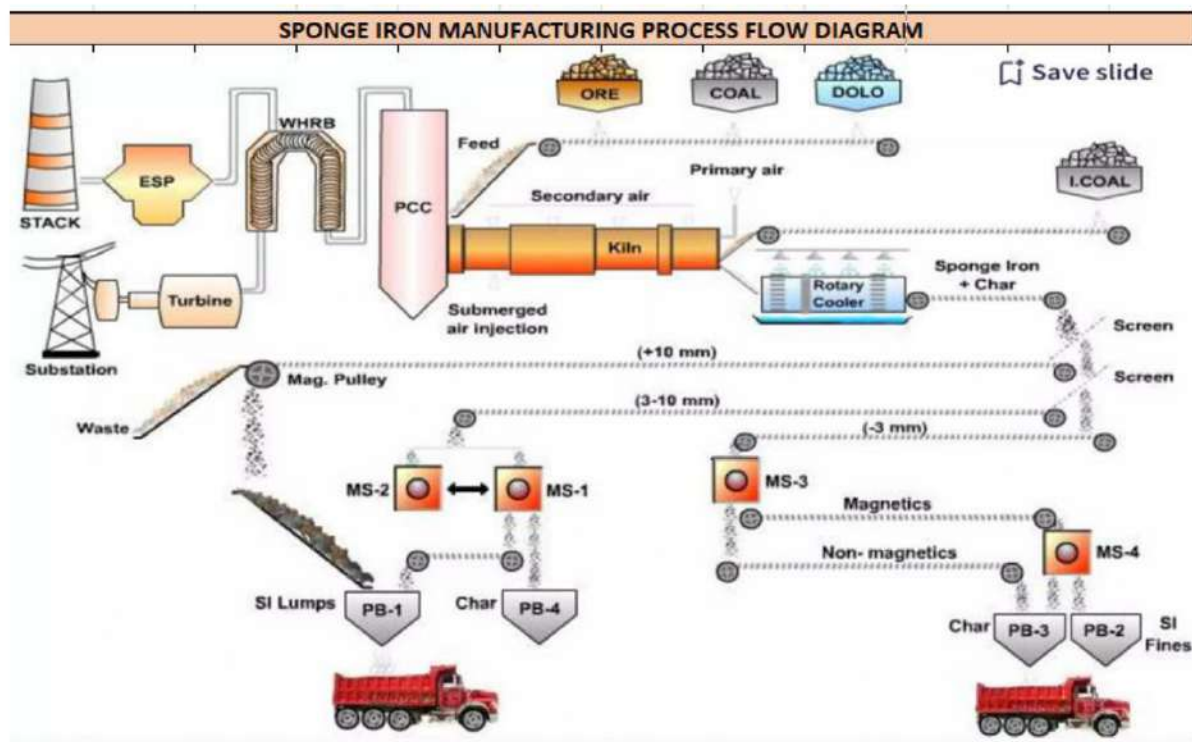








DRAWING DIAGRAM OF PROCESS FLOW OF SPONGE IRON WITH WHRB





**ENVIRONMENT AUDIT REPORT 2022-23****PART A**

**1 Name of Industry & Location** Rama Udyog Private Limited, Siltara Industrial Area, PHASE-II RAIPUR CHHATTISGARH

**2 Production** \* SPONGE IRON PLANT : 60000 TPA Sponge Production  
\* CAPTIVE POWER PLANT : 2 MW  
\* WASTE HEAT RECOVERY SYSTEM (WHRS) : 6 MW

**3 Type of Industry** Medium Scale Industry

**ii Red / Orange / Green / White** Red

**4 Product Manufactured**

Name of the Product	Installed Capacity TPA	2021-2022	2022-23 F/Y Annual Production TPA	Round the clock Production	Remark
Sponge Iron	60000 TPA	56659.86 TPA	54836.7 TPA	Yes	For Sale
Power by CPP	2 MW	49102443 KWH	50090145 KWH	Yes	For Captive Use
Power by WHRS	6 MW			Yes	For Captive Use

**5 Raw material Consumed Annually TPA**

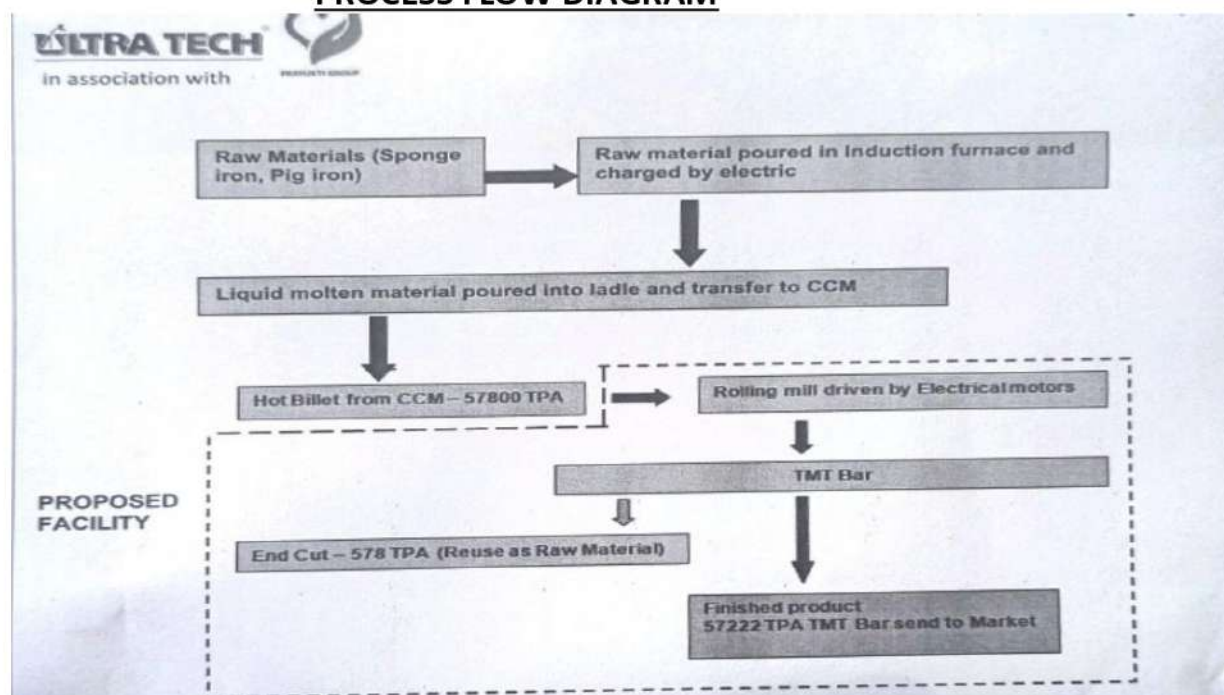
Raw Material	2021-2022	2022-2023	Storage Area
Iron Ore	79070.85	79070.85	Gantry
Coal	75476.93	75476.93	In open covered with tarpaulin
Dolomite	4916.000	4916.000	In open covered with tarpaulin

**Raw Material Sourced from**

Iron Ore	Coal	Dolomite
NMDC	SECL	Open Market

- 6 Detail of Manufacturing process with process flow chart showing various unit operation. Also show the point source of emissions in flow chart

### PROCESS FLOW DIAGRAM



### PART B

#### 7 Water Requirement

- Industrial (Product wise)
- Domestic KLD
- Cooling KLD
- Boiler KLD
- Green Belt KLD
- Sprinkling & Dust Suppression
- Others (Specify)

#### Water Consumption

210 KLD

15 KLD

630 KLD

30 KLD

5 KLD

5 KLD

-

#### TOTAL

895 KLD

#### 8 Waste Water Generation

S. No.	Operation where waste water Generated	Quantity Used KL / Per day
1	Effluent from Process to ETP	130.5 KLD
2	Sewage from Domestic to STP	9.0 KLD

### Break up of Total Waste Water generated from Plant

a	Industrial	31.5 KLD
b.	Domestic KLD	9 KLD
c.	Cooling KLD	94.5 KLD
d.	Boiler KLD	4.5 KLD
e	Others (Specify) Process	

<b>TOTAL</b>	<b>139.5 KLD</b>
--------------	------------------

#### 9a Characteristics and Analysis of waste water ETP

Source of	Parameters	Characteristics
Treated Waste water from ETP	pH	8.2
	TSS	23 mg/l
	COD	52 mg/l
	BOD	16 mg/l
	Total	NA
	Iron	1.2 mg/l
	Nitrate	2.5 mg/l

#### 9b Characteristics and Analysis of waste water STP

Source of	Parameter	After
Treated Waste water from STP	pH	7.9
	TSS	20 mg/l
	COD	15 mg/l
	BOD	25 mg/l
	O&G	Trases

#### 10 Effluent treatment system provide

##### i. Describe the Effluent treatment system provided

Yes Effluent Treatment Plant and Sewage Treatment Plant installed and in operation

150 KLD Effluent Treatment Plant has been installed and is in operation. Effluent generated from Sponge Iron Process unit, Cooling Tower blow down and Boiler blown is collected ETP and is treated by dosing the chemical like Castic and hypochlorite. The same after secondary treatment is transferred from PSF and ACF for recycle within the plant.

##### ii Describe the Sewage treatment system provided

20 KLD STP has been installed and is in operation. The waste water generated after domestic use like Wash rooms, Wash basin and labour rest room and canteen is collected in STP and get treated by biological treatment and after settling chamber the clean water collected in dosed with Hypochlorite for chlorination and water is passed through PSF and SCF for reuse within the plant.



## 11 Treated Effluent Disposal

**Domestic -----**

Rama Udyog is very much concerned about the environment and water conservation hence treated waste water generated from STP is reused for tree plantation and Green Belt development.

**Industrial -----**

Rama Udyog follows Zero Discharge policy hence no water is discharged after treatment from ETP. The Industrial waste water after treatment from ETP is reused within the Sponge iron plant for sprinkling, and road washing.

## 12 Storm Water Drainage system :

**i. Is it separate from Industrial& Domestic waste**

Storm water drain within the plant is separate and not connected with industrial or Domestic waste water.

**ii Describe the disposal of Storm water**

The storm water drain is mainly used during rainy season, as rain water falling within the plant premises is channelled through Storm water drain.

## 13a Solid Waste:

Source	Waste / Composition	Quantity	Mode of Collection	Mode of Disposal
Sponge Iron Process	Slag	9890 TPA	Slag generated from Process is collected in Covered shade, and in open ground covered with Tarpaulin.	Sold to Local Cement plant for Cement manufacturing.
	Metal Waste	548.2 TPA	Metal waste generated during process is collected at designated location under store.	Sold to scrap vendors for recycle.
CPP	Fly ash	9600 TPA	Fly ash Bin through pneumatic conveyor	Fly ash is used in Brick manufacturing , a plant installed within the premises . Hence recycled back for plant use.

**b Hazardous Waste & its Authorization No.**

Sr. No.	Waste / Composition	Quantity	Mode of Collection	Mode of Disposal
1	Used Oil	0.5 KL per Annum	Collected in MS Drums	Sold to an Authorised recycler
2	Spent Resin	0.4 TPA	Collected in MS Drums	Sold to an Authorised recycler

## PART C

### 14 Detail of Emission Generated:

**a Process emission Unit / Product wise**

Sr. no	Source / Stack	Type of Pollutants	Standard	Gas Flow Nm <sup>3</sup> / hr	APC Equipment	Stack Emission Concentration mg/Nm <sup>3</sup>	Stack Height from Ground / Roof level (m)	Stack Diameter (m)
1	Kiln 1 & 2 Stack	PM	50	82740.64	ESP	42.6	45	1.5
2	Kiln 3 & 4 Stack	PM	50	87483.88	ESP	41.6	45	1.5
3	Boiler Stack	PM	50	56712.12	ESP	44.93	40	1.5
4	Billet CCM Stack	PM	50	68543.00	-	23.9	30	1.0

**b Fugitive Emission Sources**

Sr. No.	Fugitive Emission Source Points	Fugitive Emission Conc. TSPM ug/m <sup>3</sup>
1	Near DRI 2 & 3	3762.5
2	Near Coal Crusher	1515.7
3	Near Furnace Area	3895.6

## 15 Ambient Air Quality in Factory Premises

Parameters	Concentration ug/m3 based on actual monitoring				
	Location -1 Near new Admin Building	Location -2 Near Labor Colony	Location -3 Near Hanuman Mandir	Location -4 Near Fly Ash Brick Yard	Average
PM10	63.1	60	87.2	85.2	73.88
PM2.5	38.4	47	51.7	54.1	47.80
SO2	21.7	17.8	21.4	21.5	20.30
NOx	26.5	15.6	28.7	17.3	22.03
CO	BDL	BDL	BDL	BDL	BDL

### PART D

## 16 Details of In plant Pollution Control Measures

APCE	Number	Attached to	Efficiency
ESP	1	DRI -1	85-90%
ESP	2	DRI-2	85-90%
ESP	3	DRI-3	85-90%
ESP	4	DRI-4	85-90%
ESP	1	Boiler	85-90%

## 17 Ambient Noise Level Monitoring

Location	RESULTS Leq. dB (A)	
	Day	Night
Near Admin Building	69.6	54.1
Near Labor Colony	66.8	54.8

## 18 Details of Waste recycled / Reused

Waste water generated and got treated at ETP and STP is recycled or reused back within the plant. The quantity of waste water recycled and Reused is 139.5 KLD

## 19 Valid EC / Consent / Authorization

Permits	Issue / No.	Date of Issue	Validity date
Environment Clearance	191/EC/Raipur/1650	18.05.2022	—
Consent to Operate	7650/TS/CECB/2023	31.01.2023	31.07.2025
Haz. Waste Authorization	267H)/HSMD/C ECB/Raipur	01.09.2018	Five Years



**20 Annual Expenses on Environment Management in Plant**

Area of Expense	Running Expense 2022-23	Capital Expense
Environment Monitoring	2.0 lakhs	-
ETP Operation	6.0 lakhs	35.0 lakhs
STP Operation	3.0 lakhs	6.0 Lakhs
APC Operation	65.0 Lakhs	-
Green Belt	2.5 lakhs	15 lakhs
Housekeeping	12.0 Lalkhs	-

**21 Details of Green Belt & Tree Plantation**

2021-2022	2022-2023	Tree Plantation till Date
1000	1000	11200
Peltaforum, Peepal, Gulmohor, Neem, Moulshri, Kaner, Karaj, Ashok, Ber, Palm, Champa, Nilgri		

**Tree Species planted :**

**Conclusion:** Environment Audit report has been prepared by Ilka Tech Private Limited as channel partner of NOIDA Testing Laboratory, NABL approve laboratory. This report has been prepared, based on the data collected and compiled up for the year 2021-22 and 2022-23. Stack monitoring, Ambient Air Monitoring, ETP & STT treated waste water and Ambient Noise level was monitored on actual and analysis was done by NABL approved lab. All the monitoring results were within the CPCB prescribed limits. Conditions stipulated in Consent to Operate issued by CECB has been complied with. All stack area attached with APC equipment, ESP has been installed before all process stacks, Stack heights are around 45 mtrs. Waste water generated from process and canteen and labour residence area is treated in ETP and STP. The treated waste water is reused back within the plant premises for different uses hence maintain Zero Liquid Discharge. 40% of the total area of the plant has been planned to be covered under Green Belt and, tree Plantation and Landscaping. Till date 11200 no. of trees is under plantation and survived as per survey conducted, further tree saplings plantation is under process. M/s. Rama Udyog Private Limited has deep concern towards the Environment Conservation and Pollution Control along with contribution towards nation building, and always ready to comply the conditions stipulated and guidelines given by State or Central Government Environment Dept.



Authorizes Signatory  
**ILKA TECH PVT. LTD.**

**PICTURES OF ECO PARK DEVELOPED WITHIN THE PLANT BOUNDARY**  
**– A DEDICATED LOCATION**



**Picture Showing Local Species Tree Plantation**



**Diversified Tree Plantation**



# RAMA UDYOG PVT. LTD.

CIN : U27300CT2016PTC002193

Reg. Office & Works : 18<sup>th</sup> Mile Stone, Siltara Industrial Growth Centre, Phase -II, Raipur - 493 111 (C.G.)

RUPL/ ENV/ 2023-24/0035

Dated: 02 . 01. 2023

प्रति ,

श्री मान सरपंच महोदय

ग्राम - सिलतरा , पंचायत कार्यालय सिलतरा ,

तहसील - धरसीवा , जिला - रायपुर (छत्तीसगढ़)

विषय :- उद्योग के विस्तार हेतु प्राप्त पर्यावरण स्वीकृति की जानकारी बाबत पत्र।

महोदय,

विषयान्तर्गत सन्दर्भ में निवेदन है कि हमारी कंपनी द्वारा उद्योग के विस्तार हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय , भारत सरकार, नई दिल्ली के माध्यम से राज्य स्तर पर्यावरण समाघात निर्धारण प्राधिकरण, छत्तीसगढ़ में उद्योग की निजी भूमि ग्राम सिलतरा , प०ह०न०- 20, रा० नि० म०- धरसीवा1, तहसील- धरसीवा , जिला रायपुर के खसरा क्रमांक 114/2-5, 8-9, एवं 10-12 तक का कुल रकबा 14.998 एकड़ पर वर्तमान में स्थापित फर्नेस क्षमता-57800MT/ प्रति वर्ष के साथ रोलिंग मिल क्षमता- 57800MT/ प्रति वर्ष का आद्योगिक विस्तार हेतु राज्य स्तर पर्यावरण समाघात निर्धारण प्राधिकरण, छत्तीसगढ़ के पत्र क्रमांक 191/EC/रायपुर/1650/ नवा रायपुर अटल नगर, दिनांक 13/05/2022 के माध्यम से स्वीकृति प्राप्त हुई है ।

अतः महोदय को उक्त सम्बन्ध में जानकारी हेतु पत्र सादर सूचनार्थ प्रस्तुत है ।

प्रार्थी ,

कृते/ मेसर्स रामा उद्योग प्राइवेट लिमिटेड

*Sonishree*

अधिकृत हस्ताक्षरकर्ता

संलग्न: - १) पर्यावरण स्वीकृति पत्र की प्रति।

*cur*  
सरपंच  
ग्राम पंचायत सिलतरा  
वि.खण्ड धरसीवा  
जिला-रायपुर (छ.ग.)