

# **Six Monthly Environmental Compliance Report**

**(Period: April, 2023 to September, 2023)**

**Refer:** MOEF&CC File No. J-11011/1267/2007-IA.II(I)  
dt. 7<sup>th</sup> August, 2018

**for**

**EXPANSION OF INTEGRATED STEEL PLANT &  
CAPTIVE POWER PLANT**

**at**

**VILLAGE PUNJIPATRA,  
DISTRICT RAIGARH,  
CHHATTISGARH**

**Project Proponent**

**M/S SCANIA STEELS AND  
POWERS LIMITED**

**R-19, Civil Township, Rourkela - 769004 (Odisha)**



# SCANIA STEELS & POWERS LIMITED

FORMERLY KNOWN AS  
SIDHI VINAYAK SPONGE IRON PVT. LTD.

Office : R-19, Civil Township, Rourkela - 769 004 (Odisha)  
Ph. : 0661-2400784, 2401791(O), Fax : 0661-2400007

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DATE: 23<sup>rd</sup> November, 2023

**Inspector General of Forests**

Ministry of Environment, Forest and Climate Change,  
Integrated Regional Office, Aranya Bhawan,  
North Block, Sector-19,  
Naya Raipur, Atal Nagar,  
Chhattisgarh - 492002

**Subject: Six Monthly Compliance Report for the period of April, 2023 to September, 2023 for expansion of integrated steel plant & captive power plant at village Punjipatra, District Raigarh, Chhattisgarh by M/s. Scania Steels and Powers Limited**

**Ref.: MoEF&CC File No. J-11011/1267/2007-IA.II(I) dt. 7<sup>th</sup> August, 2018**

Dear Sir,

With reference to the above mentioned Environmental Clearance letter (File No. J-11011/1267/2007-IA II (I)) dated 7<sup>th</sup> August, 2018, we do hereby submit six monthly Compliance Report for the period of April, 2023 to September, 2023 for expansion of integrated steel plant & captive power plant at village Punjipatra, District Raigarh in Chhattisgarh.

Thanking you,

Yours faithfully,  
for **Scania Steels and Powers Limited**

SCANIA STEELS & POWERS LIMITED

**Sanjay Gadodia**  
Director

  
Director

Encl.: as above.

**STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS FOR EXPANSION  
OF INTEGRATED STEEL PLANT & CAPTIVE POWER PLANT AT VILLAGE  
PUNJIPATRA, DISTRICT RAIGARH, CHHATTISGARH BY  
M/S. SCANIA STEELS AND POWERS LIMITED**

Ref.: MOEF&CC File No. J-11011/1267/2007-IA.II(I) dt. 7<sup>th</sup> August, 2018

At present, 4x100 TPD Sponge Iron Plant is in operation. 1x8T + 1x6T Induction Furnaces have been commissioned, but they are presently not in operation.

SL. NO.	CONDITIONS	STATUS AS ON 30.09.2023
<b>A.</b>	<b>SPECIFIC CONDITION</b>	
1)	The EC is subject to the outcome of Civil Appeal No. 6025 of 2012 before Hon'ble Supreme Court of India.	Sub judice.
2)	The particulate matter emission from all the process stacks shall not be more than 30 mg/Nm <sup>3</sup> .	The particulate matter emission from the process stacks have been reduced to 30 mg/Nm <sup>3</sup> . An amount of around Rs. 33.52 lacs have been spent to modify the existing pollution control system to contain the PM emission within 30 mg/Nm <sup>3</sup> . Monthly stack emission monitoring reports for six months have been attached as <b>Annexure-1</b> .  <b>Complied.</b>
3)	The project proponent shall take adequate measures to bring the Ambient Air Quality as per National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009.	The particulate matter emission from all the process stacks have been reduced to 30 mg/Nm <sup>3</sup> by modifying the control equipment. Ambient Air Quality monitoring is being carried out at 4 relevant locations near the plant. The monitored data of Ambient Air Quality for six months have been attached as <b>Annexure-3</b> .  <b>Complied.</b>
4)	The monitoring of the secondary fugitive emissions will be carried around Product House, SMS and RMH guard as per the frequency specified under the National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009.	Fugitive emission monitoring is being carried out at 3 relevant locations inside the plant. The monitored data of Fugitive emission for six months have been attached as <b>Annexure-5</b> .  <b>Complied.</b>
<b>B.</b>	<b>GENERAL CONDITION</b>	
1)	An amount of Rs 225 Lakhs proposed towards Corporate Environment Responsibility (CER) shall be utilized as capital expenditure in project mode. The project shall be completed in concurrence with the implementation of the expansion	<b>Being complied.</b>

	and estimated on the basis of Scheduled Rates.	
2)	Green belt shall be developed in 7.85 Ha equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	<p>Within the existing plant area, greenbelt is present significantly. Out of the total plant area of 23.472 hectares (58 acres), the area covered under plantation is 7.85 hectares (19.4 acres). Hence, over 33% of the total plant area is under plantation. Around 19500 plants/ trees are existing in the plant area.</p> <p><b>Complied.</b></p>
3)	The Capital cost Rs. 7.2 Crores and annual recurring cost Rs. 72 Lakhs towards the environmental protection measures shall be earmarked separately. The funds so provided shall not be diverted for any other purpose.	<b>Being complied.</b>
4)	The project proponent shall (Air Quality Monitoring):	
a.	install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 <sup>th</sup> May 2008 as amended from time to time; S.O. 3305 (E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	<p>Continuous stack emission monitoring system has been installed for the existing stacks, which is connected to the CPCB/CECB online servers. Monthly continuous stack emission monitoring data for six months have been attached as <b>Annexure-2.</b></p> <p><b>Complied.</b></p>
b.	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.	<p>Fugitive emission monitoring is being carried out at 3 relevant locations inside the plant. The monitored data of Fugitive emissions for six months have been attached as <b>Annexure-5.</b></p> <p><b>Complied.</b></p>
c.	install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM <sub>10</sub> and PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> 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	<p>Continuous ambient air quality monitoring system has been installed for the air quality parameters of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub>.</p>

	downwind directions; and	<b>Complied.</b>
d.	submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	<p>Monthly summary report of continuous stack emission has been attached as <b>Annexure-2</b>. The same for continuous air quality monitoring is also enclosed as <b>Annexure-4</b>.</p> <p>Results of manual stack monitoring and manual monitoring of air quality and fugitive emissions for six months are attached as <b>Annexure-1, Annexures-3 and Annexure-5</b> respectively.</p> <p><b>Complied.</b></p>
5)	The project proponent shall (Water Quality Monitoring):	
a)	install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 <sup>th</sup> May 2008; S.O. 3305 (E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	<p>The plant has been designed as a zero discharge plant as far as the process effluents are concerned. The water is recirculated through cooling and treatment. No plant effluent is discharged outside the plant premises. The entire waste water is recycled for various purposes e.g., dust suppression &amp; greenery purpose inside the plant.</p> <p>Domestic effluent from the various buildings / sheds of the plant is conveyed to the septic tank / soak pit. The company will install Sewage Treatment Plant (STP) in future.</p> <p>The analysis report of Cooling Discharge Water for the samples, taken for six months has been attached as <b>Annexure-6</b>.</p> <p><b>Complied.</b></p>
b)	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; and	<p>The analysis report for six months of the ground water quality for the sample, taken from the borewell-2 inside the plant has been attached as <b>Annexure-7</b>.</p> <p><b>Complied.</b></p>
c)	submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	<p>The plant has been designed as a zero discharge plant as far as the process effluents are concerned. The water is recirculated through cooling and treatment. No plant effluent is discharged outside the plant premises. The entire waste water is recycled for various</p>

		<p>purposes e.g., dust suppression &amp; greenery purpose inside the plant.</p> <p>Domestic effluent from the various buildings/sheds of the plant is conveyed to the septic tank/ soak pit. The company will install Sewage Treatment Plant (STP) in future.</p> <p>The analysis report of Cooling Discharge Water for the samples, taken for six months is attached as <b>Annexure-6</b>.</p> <p>The analysis report for six months of the ground water quality for the sample, taken from the borewell-2 inside the plant is attached as <b>Annexure-7</b>.</p> <p><b>Complied.</b></p>																
6)	The project proponent shall (Air Pollution Control):																	
a)	provide appropriate Air Pollution Control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	<p>Appropriate Air Pollution Control Systems have been installed at all the relevant points to contain the dust emissions within the prescribed standards. The details are given in the following table:</p> <table><tr><th>Pollution Sources</th><th>Mitigation Measures</th></tr><tr><td colspan="2"><b>Sponge Iron Plant:</b></td></tr><tr><td>Dust from the process</td><td>ESP</td></tr><tr><td>Unloading of Raw Material</td><td>Sprinkler / Fogging / Mist</td></tr><tr><td>Raw Material Handling area</td><td>Bag Filter</td></tr><tr><td>Cooler Discharge &amp; Product Separation Area</td><td>Bag Filter</td></tr><tr><td colspan="2"><b>Steel Melting Shop:</b></td></tr><tr><td>Fumes from Furnaces (IF / LRF)</td><td>Bag Filter</td></tr></table> <p><b>Complied.</b></p>	Pollution Sources	Mitigation Measures	<b>Sponge Iron Plant:</b>		Dust from the process	ESP	Unloading of Raw Material	Sprinkler / Fogging / Mist	Raw Material Handling area	Bag Filter	Cooler Discharge & Product Separation Area	Bag Filter	<b>Steel Melting Shop:</b>		Fumes from Furnaces (IF / LRF)	Bag Filter
Pollution Sources	Mitigation Measures																	
<b>Sponge Iron Plant:</b>																		
Dust from the process	ESP																	
Unloading of Raw Material	Sprinkler / Fogging / Mist																	
Raw Material Handling area	Bag Filter																	
Cooler Discharge & Product Separation Area	Bag Filter																	
<b>Steel Melting Shop:</b>																		
Fumes from Furnaces (IF / LRF)	Bag Filter																	
b)	provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags;	<p>Available.</p> <p><b>Complied.</b></p>																

c)	provide pollution control system in the steel plant as per the CREP Guidelines of CPCB;	<b>SN</b>	<b>Unit / Item</b>	<b>Responsibilities</b>	<b>Extent of fulfillment</b>
		1.	DRI	Utilisation of dolomitic & waste gas	Waste gas shall be used in the WHR Boiler. Dolomite is used for power generation by the power generation companies.
		2	SMS	To reduce fugitive emission by installing a secondary de-dusting system	Secondary de-dusting facility envisaged to reduce the fugitive emission.
		3.	SMS	Utilisation of SMS Slag	100% utilization will be explored. At present, Induction Furnaces are not in operation.
		4.	Water conservation/ pollution	Reduce specific water consumption to 5 m <sup>3</sup> /t for long products and 8 m <sup>3</sup> /t for flat products.	The statutory norms are being complied to.
		5.	Stack & AAQ	Installation of Continuous stack monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations.	Complied.
		6.	APCS	To operate the pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect.	Being complied.
		<b>Complied.</b>			
d)	provide sufficient number of mobile or stationery vacuum cleaners to clean plant roads, shop floors, roofs regularly;	Provided.			
e)	recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration;	Being followed.			
		<b>Complied.</b>			
f)	ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation;	Raw materials like Iron Ore, Coal, Dolomite, etc. are stored in the raw material yard from where they are conveyed to the stock house kept in day			

		bins by feeding into ground hopper and covered conveyors.  <b>Complied.</b>
g)	provide wind shelter fence and chemical spraying on the raw material stock piles.	Provided.  <b>Complied.</b>
7)	The project proponent shall (Water Pollution Control):	
a)	adhere to 'zero liquid discharge';	The plant has been designed as a zero discharge plant as far as the process effluents are concerned. The water is re-circulated through cooling and treatment. No plant effluent is discharged outside the plant premises. The entire waste water is recycled for various purposes e.g., dust suppression & greenery purpose inside the plant.  Domestic effluent from the various buildings / sheds of the plant is conveyed to the septic tank / soak pit system. The company will install Sewage Treatment Plant (STP) in future.
b)	provide Sewage Treatment Plant for domestic wastewater; and	Domestic effluent from the various buildings / sheds of the plant is conveyed to the septic tank/ soak pit system. The company will install Sewage Treatment Plant (STP) in future.
c)	provide garland drains and collection pits 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.	Under Process
8)	The project proponent shall (Water Conservation):	
a)	practice rainwater harvesting to maximum possible extent; and	The company has constructed Ground water recharge structures (Ponds & pits with shaft) as guided by the CGWB officials having capacity of more than 65,493 m <sup>3</sup> /year, for augmenting the ground water resources of the area, as per issued Renewal of NOC.  The company has 58 acres land and rainwater is being recharged through 2 de-silting chambers & ponds with filter media and shaft. 2 nos. roof water harvesting have been constructed with filter media pit along with shaft. Pond with 1 no. recharge shaft :- (50.3+44.3)*(33.5+27.3)*6.1 m <sup>3</sup> , Recharge shaft 40 m with filter media 4M*2M*2M Provided with proper drainage

		<p>system.</p> <p>Roof Top Rain Water Harvesting structure (De-siltation + Filter pit with recharge shaft):- <b>2 Numbers:</b></p> <p>1) Area of admin building 15M x 8M and water goes to pond in front of office pond dimension of 10 X 12 X 8 M<sup>3</sup>, without recharge shaft</p> <p>2) Roof top dimension of Stock shed 6M X 20M with recharge pit dimension 3 x 2.5 x 2 m<sup>3</sup> with 40 m shaft.</p> <p>Further, the company has proposed to construct the rain water harvesting pond with filter media and shaft as per guideline of CGWA – New Delhi (if required).</p> <p><b>Complied.</b></p>
b)	make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	<p>All efforts have been made to minimise the use of fresh water by recycling the entire effluent water.</p> <p><b>Complied.</b></p>
9)	The project proponent shall (Energy Conservation):	
a)	provide waste heat recovery system on the DRI Kilns;	<p>Action has been taken to install Waste Heat Recovery Boiler to utilize the waste heat, generated from DRI kilns (4 Nos.) in steam generation which in-turn can generate 8 MW power.</p> <p><b>Being complied.</b></p>
b)	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; and	<p>Shall be provided.</p> <p><b>Being complied.</b></p>
c)	provide the project proponent for LED lights in their offices and residential areas;	<p>LED lights have been provided in the plant office and the residential areas.</p> <p><b>Complied.</b></p>
10)	Used refractories shall be recycled as far as possible.	<p>Shall be complied.</p>
11)	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.	<p>Within the existing plant area, greenbelt is present significantly. Out of the total plant area of 23.472 hectares (58 acres), the area covered under plantation is 7.85 hectares (19.4 acres). Hence, over 33% of the total plant area is under plantation. Around 19500 plants/ trees are existing</p>

		in the plant area. Hence, GHG (CO <sub>2</sub> & CO) effect has been controlled by plantation. Further, GHG emissions inventory for the plant will be prepared.
12)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan is already in place.  <b>Complied.</b>
13)	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 Factor	Induction Furnaces are not in operation. Only Sponge Iron Plant is in operation.  The report will be submitted once all the units are in operation.  All workers have been provided with Personal Protection Equipment (PPE).
14)	The project proponent shall adhere to the corporate environmental policy and system of the reporting of any infringements/ non-compliance of EC conditions at least once in a year to the Board of Directors and the copy of the board resolution shall be submitted to the MoEF&CC as a part of six-monthly report.	The company adheres to its corporate environmental policy. The copy of the board resolution shall be submitted later on.  <b>Complied.</b>
15)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the steel plants shall be implemented.	Already mentioned against Sl. No. 6(C)  <b>Complied.</b>
16)	A dedicated environmental cell with qualified personnel shall be established. The head of the environment cell shall report directly to the head of the organization.	<b>Complied.</b>
17)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<b>Being complied.</b>
18)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<b>Agreed.</b>
19)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	<b>Agreed</b>
20)	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Used oils removed from machinery, gear boxes, compressors etc. are collected in drums and temporarily stored in specifically earmarked areas. They are

		disposed through the approved agencies. The company has already been granted authorization under the Hazardous and the Other Wastes (Management & Transboundary Movement Rules), 2016 by Chhattisgarh Environment Conservation Board (CECB), which is attached as <b>Annexure-10</b> . <b>Complied.</b>
21)	The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Monitoring of noise level has been conducted and the results are well within prescribed limits. Noise Level Monitoring results for six months have been attached as <b>Annexure-8</b> . <b>Complied.</b>
22)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<b>Complied.</b>
23)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	<b>Being complied.</b>
24)	The project proponent shall (Post-EC monitoring):	
a.	send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government;	The copy of the Environmental Clearance for the project has already been sent to the respective offices as per the instruction. <b>Complied.</b>
b.	put on the clearance letter on the web site of the company for access to the public.	<b>Being Complied.</b>
c.	inform the public through advertisement within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http:// envfor.nic.in</a> .	Already done.  The copy of the advertisement in two local newspapers has been attached as <b>Annexure-9</b> .
d.	upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same periodically;	<b>Agreed and being complied.</b>
e.	monitor the criteria pollutants level namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as	<b>Being complied.</b>

	well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company;	
f.	submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB;	<b>Being complied.</b>
g.	submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company;	<b>Being complied.</b>
h.	inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	<b>Shall be done.</b>
28.0	The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant environmental clearance for the proposed expansion of Integrated Steel Plant & Captive Power Plant (Sponge Iron Plant: 200 TPD; Steel Melting Shop: 135000 TPA; and WHRB 8 MW) at village Punjipatra, District Raigarh, Chhattisgarh by M/s Scania Steels and Powers Limited under the provisions of EIA Notification, 14 <sup>th</sup> September, 2006, as amended, subject to strict compliance of the above conditions.	-
29.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	-
30.0	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	-
30.0	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and that during their presentation to the Expert Appraisal Committee. The commitment made by the project proponent to the issue raised during Public Hearing shall be	<b>Agreed and shall be complied.</b>

	implemented by the proponent	
31.0	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.	<p>The company has already been granted authorization under the Hazardous and the Other Wastes (Management &amp; Transboundary Movement Rules), 2016 by Chhattisgarh Environment Conservation Board (CECB), which is attached as <b>Annexure-10</b>.</p> <p>The copy of the policy under the Public Liability Insurance Act, 1991 is also attached as <b>Annexure-11</b>.</p>
32.0	This EC is issued in supersession of earlier EC vide F. No. J- 11011/1267/2007-IA.II(I) dated 5 <sup>th</sup> November 2008.	-
33.0	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.	-

### **LIST OF ANNEXURES:**

**Annexure-1** : Stack Emission Monitoring Reports

**Annexure-2** : Online Continuous Stack Emission Monitoring Data.

**Annexure-3** : Monitored Data of Ambient Air Quality.

**Annexure-4** : Online Continuous air quality monitoring

**Annexure-5** : Monitored Data of Fugitive emission.

**Annexure-6** : Analysis report of Cooling Discharge Water.

**Annexure-7** : Analysis report for ground water quality taken from the borewell inside the plant.

**Annexure-8** : Noise Level Monitoring Data.

**Annexure-9** : Advertisement in Local Newspapers after EC accorded.

**Annexure-10** : Authorization under the Hazardous and the Other Wastes (Management & Transboundary Movement Rules), 2016 by Chhattisgarh Environment Conservation Board (CECB).

**Annexure-11** : Copy of the policy under the Public Liability Insurance Act, 1991.

## **ANNEXURE-1**

### **Stack Emission Monitoring Report (April - 2023 to September - 2023)**

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accredited by NABL, as per ISO/IEC 17025 :2017
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India  
☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: [eeplkol@gmail.com](mailto:eeplkol@gmail.com); [eeplkol2@gmail.com](mailto:eeplkol2@gmail.com)  
CIN NO : U74210WB1989PTC047403

ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	05.04.2023
Time of Sampling	10:20 hrs;

A.	General Information about stack	
1	Stack connected to	DRI Kilns (1 & 2)
2	Emission due to	Burning of Charging Materials (Coal & Dolomite etc)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
B.	Physical Characteristics of Stack	
1	Height of the stack	
	(a) from Ground Level (m)	54.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
C.	Analysis/Characteristics of Stack	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
D	Results of sampling & Analysis of gaseous emission	
1	Temperature of emission (°C)	113
2	Barometric Pressure (mmHg)	747
3	Velocity of gas in duct (M/sec)	10.31
4	Quantity of gas flow (Nm³/hr)	86120
5	Concentration of SO2 (mg/Nm³)	86
6	Concentration of NOx (mg/Nm³)	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO2 (% V/V)	7.8
9	Concentration of PM (mg/Nm³)	25
E	Pollution Control Device	
	Details of pollution control device attached with the stack	ESP
F	Remarks: There is a common stack, connected to the DRI Kilns (1 & 2). Both the DRI Kilns (1 & 2) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	05.04.2023
Time of Sampling	13:10 hrs;

A.	General Information about stack	
1	Stack connected to	DRI Kilns (3 & 4 )
2	Emission due to	Burning of Charge Materials (Coal & Dolomite)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
B.	Physical Characteristics of Stack	
1	Height of the stack	
	(a) from Ground Level (m)	55.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
C.	Analysis/Characteristics of Stack	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
D	Results of sampling & Analysis of gaseous emission	
1	Temperature of emission (°C)	140
2	Barometric Pressure (mmHg)	747
3	Velocity of gas in duct (M/sec)	11.3
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	89543
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	113
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	8.0
9	Concentration of PM (mg/Nm <sup>3</sup> )	26
E	Pollution Control Device	
	Details of pollution control device attached with the stack	ESP
F	Remarks: There is a common stack, connected to the DRI Kilns (3 & 4). Both the DRI Kilns (3 & 4) were in operation at the time of sampling.	

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CIN NO : U74210WB1989PTC047403

ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	10.05.2023
Time of Sampling	10:15 hrs;

<b>A.</b>	<b>General Information about stack</b>	
1	Stack connected to	DRI Kilns (1 &2)
2	Emission due to	Burning of Charging Materials (Coal & Dolomite etc.)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
<b>B.</b>	<b>Physical Characteristics of Stack</b>	
1	Height of the stack	
	(a) from Ground Level (m)	54.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
<b>C.</b>	<b>Analysis/Characteristics of Stack</b>	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
<b>D</b>	<b>Results of sampling &amp; Analysis of gaseous emission</b>	
1	Temperature of emission (°C)	127
2	Barometric Pressure (mmHg)	746
3	Velocity of gas in duct (M/sec)	11.0
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	89943
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	120
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	8.2
9	Concentration of PM (mg/Nm <sup>3</sup> )	25
<b>E</b>	<b>Pollution Control Device</b>	
	Details of pollution control device attached with the stack	ESP
<b>F</b>	<b>Remarks:</b> There is a common stack, connected to the DRI Kilns (1 & 2). Both the DRI Kilns (1 & 2) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



*[Signature]*

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CIN NO : U74210WB1989PTC047403

ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	<b>M/s. Scania Steels &amp; Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)</b>	
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011	
Date of Sampling	10.05.2023	
Time of Sampling	13:00 hrs;	
<b>A. General Information about stack</b>		
1	Stack connected to	<b>DRI Kilns (3 &amp; 4)</b>
2	Emission due to	Burning of Charge Materials (Coal & Dolomite)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	<b>100 TPD X 2</b>
<b>B. Physical Characteristics of Stack</b>		
1	Height of the stack	
	(a) from Ground Level (m)	55.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
<b>C. Analysis/Characteristics of Stack</b>		
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
<b>D Results of sampling &amp; Analysis of gaseous emission</b>		
1	Temperature of emission (°C)	138
2	Barometric Pressure (mmHg)	746
3	Velocity of gas in duct (M/sec)	10.5
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	83229
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	114
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	7.9
9	Concentration of PM (mg/Nm <sup>3</sup> )	27
<b>E Pollution Control Device</b>		
	Details of pollution control device attached with the stack	ESP
<b>F Remarks:</b>	There is a common stack, connected to the DRI Kilns (3 & 4). Both the DRI Kilns (3 & 4) were in operation at the time of sampling.	

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CIN NO : U74210WB1989PTC047403

ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	07.06.2023
Time of Sampling	10:30 hrs;

<b>A.</b>	<b>General Information about stack</b>	
1	Stack connected to	<b>DRI Kilns (1 &amp; 2)</b>
2	Emission due to	Burning of Charging Materials (Coal & Dolomite etc)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
<b>B.</b>	<b>Physical Characteristics of Stack</b>	
1	Height of the stack	
	(a) from Ground Level (m)	54.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
<b>C.</b>	<b>Analysis/Characteristics of Stack</b>	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
<b>D</b>	<b>Results of sampling &amp; Analysis of gaseous emission</b>	
1	Temperature of emission (°C)	130
2	Barometric Pressure (mmHg)	745
3	Velocity of gas in duct (M/sec)	11.23
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	89584
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	104
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	7.7
9	Concentration of PM (mg/Nm <sup>3</sup> )	29
<b>E</b>	<b>Pollution Control Device</b>	
	Details of pollution control device attached with the stack	ESP
<b>F</b>	<b>Remarks:</b> There is a common stack, connected to the DRI Kilns (1 & 2). Both the DRI Kilns (1 & 2) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-1

## ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	07.06.2023
Time of Sampling	13:20 hrs;

A.	General Information about stack	
1	Stack connected to	DRI Kilns (3 & 4)
2	Emission due to	Burning of Charge Materials (Coal & Dolomite)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
B.	Physical Characteristics of Stack	
1	Height of the stack	
	(a) from Ground Level (m)	55.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
C.	Analysis/Characteristics of Stack	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
D	Results of sampling & Analysis of gaseous emission	
1	Temperature of emission (°C)	141
2	Barometric Pressure (mmHg)	745
3	Velocity of gas in duct (M/sec)	10.18
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	79061
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	125
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	8.1
9	Concentration of PM (mg/Nm <sup>3</sup> )	27
E	Pollution Control Device	
	Details of pollution control device attached with the stack	ESP
F	Remarks: There is a common stack, connected to the DRI Kilns (3 & 4). Both the DRI Kilns (3 & 4) were in operation at the time of sampling.	

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ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	12.07.2023
Time of Sampling	10:10 hrs;

<b>A.</b>	<b>General Information about stack</b>	
1	Stack connected to	DRI Kilns (1 & 2)
2	Emission due to	Burning of Charging Materials (Coal & Dolomite etc)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
<b>B.</b>	<b>Physical Characteristics of Stack</b>	
1	Height of the stack	
	(a) from Ground Level (m)	54.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
<b>C.</b>	<b>Analysis/Characteristics of Stack</b>	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
<b>D</b>	<b>Results of sampling &amp; Analysis of gaseous emission</b>	
1	Temperature of emission (°C)	121
2	Barometric Pressure (mmHg)	743
3	Velocity of gas in duct (M/sec)	10.9
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	88362
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	82
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	8.3
9	Concentration of PM (mg/Nm <sup>3</sup> )	28
<b>E</b>	<b>Pollution Control Device</b>	
	Details of pollution control device attached with the stack	ESP
<b>F</b>	<b>Remarks:</b> There is a common stack, connected to the DRI Kilns (1 & 2). Both the DRI Kilns (1 & 2) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



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ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	12.07.2023
Time of Sampling	13:20 hrs;

A.	General Information about stack	
1	Stack connected to	DRI Kilns (3 & 4)
2	Emission due to	Burning of Charge Materials (Coal & Dolomite)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
B.	Physical Characteristics of Stack	
1	Height of the stack	
	(a) from Ground Level (m)	55.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
C.	Analysis/Characteristics of Stack	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
D	Results of sampling & Analysis of gaseous emission	
1	Temperature of emission (°C)	125
2	Barometric Pressure (mmHg)	743
3	Velocity of gas in duct (M/sec)	10.1
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	82531
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	90
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	7.8
9	Concentration of PM (mg/Nm <sup>3</sup> )	22
E	Pollution Control Device	
	Details of pollution control device attached with the stack	ESP
F	Remarks: There is a common stack, connected to the DRI Kilns (3 & 4). Both the DRI Kilns (3 & 4) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



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ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	09.08.2023
Time of Sampling	10:20 hrs;

<b>A.</b>	<b>General Information about stack</b>	
1	Stack connected to	<b>DRI Kilns (1 &amp; 2)</b>
2	Emission due to	Burning of Charging Materials (Coal & Dolomite etc)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	<b>100 TPD X 2</b>
<b>B.</b>	<b>Physical Characteristics of Stack</b>	
1	Height of the stack	
	(a) from Ground Level (m)	54.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
<b>C.</b>	<b>Analysis/Characteristics of Stack</b>	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
<b>D</b>	<b>Results of sampling &amp; Analysis of gaseous emission</b>	
1	Temperature of emission (°C)	120
2	Barometric Pressure (mmHg)	742
3	Velocity of gas in duct (M/sec)	9.7
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	79985
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	70
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	7.8
9	Concentration of PM (mg/Nm <sup>3</sup> )	23
<b>E</b>	<b>Pollution Control Device</b>	
	Details of pollution control device attached with the stack	ESP
<b>F</b>	<b>Remarks:</b> There is a common stack, connected to the DRI Kilns (1 & 2). Both the DRI Kilns (1 & 2) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



*[Signature]*

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ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	09.08.2023
Time of Sampling	13:10 hrs;

<b>A. General Information about stack</b>	
1 Stack connected to	<b>DRI Kilns (3 &amp; 4)</b>
2 Emission due to	Burning of Charge Materials (Coal & Dolomite)
3 Material of Construction of Stack	M.S
4 Shape of Stack	Circular
5 Whether Stack is provided with Permanent Platform & Ladders	Permanent
6 Capacity	<b>100 TPD X 2</b>
<b>B. Physical Characteristics of Stack</b>	
1 Height of the stack	
(a) from Ground Level (m)	55.0
(b) from Roof Level (m)	-
2 Diameter of the stack	
(a) at bottom (m)	-
(b) at top (m)	-
3 Diameter of the stack at sampling point (m)	2.0
4 Height of the sampling point from GL (m)	-
<b>C. Analysis/Characteristics of Stack</b>	
1 Fuel used	Coal
2 Fuel consumption	1.1 T/hr.
<b>D Results of sampling &amp; Analysis of gaseous emission</b>	
1 Temperature of emission (°C)	117
2 Barometric Pressure (mmHg)	742
3 Velocity of gas in duct (M/sec)	9.4
4 Quantity of gas flow (Nm <sup>3</sup> /hr)	77246
5 Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	73
6 Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7 Concentration of CO (% V/V)	-
8 Concentration of CO <sub>2</sub> (% V/V)	7.8
9 Concentration of PM (mg/Nm <sup>3</sup> )	25
<b>E Pollution Control Device</b>	
Details of pollution control device attached with the stack	ESP
<b>F Remarks:</b> There is a common stack, connected to the DRI Kilns (3 & 4). Both the DRI Kilns (3 & 4) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accredited by NABL, as per ISO/IEC 17025 :2017
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



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CIN NO : U74210WB1989PTC047403

ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	13.09.2023
Time of Sampling	10:30 hrs;

<b>A.</b>	<b>General Information about stack</b>	
1	Stack connected to	<b>DRI Kilns (1 &amp; 2)</b>
2	Emission due to	Burning of Charging Materials (Coal & Dolomite etc)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	<b>100 TPD X 2</b>
<b>B.</b>	<b>Physical Characteristics of Stack</b>	
1	Height of the stack	
	(a) from Ground Level (m)	54.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
<b>C.</b>	<b>Analysis/Characteristics of Stack</b>	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
<b>D</b>	<b>Results of sampling &amp; Analysis of gaseous emission</b>	
1	Temperature of emission (°C)	133
2	Barometric Pressure (mmHg)	740
3	Velocity of gas in duct (M/sec)	10.5
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	82753
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	110
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	7.6
9	Concentration of PM (mg/Nm <sup>3</sup> )	25
<b>E</b>	<b>Pollution Control Device</b>	
	Details of pollution control device attached with the stack	ESP
<b>F</b>	<b>Remarks:</b> There is a common stack, connected to the DRI Kilns (1 & 2). Both the DRI Kilns (1 & 2) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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CIN NO : U74210WB1989PTC047403

ANX-1

ANALYSIS REPORT OF FLUE GAS

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	13.09.2023
Time of Sampling	13:20 hrs;

A.	General Information about stack	
1	Stack connected to	DRI Kilns (3 & 4)
2	Emission due to	Burning of Charge Materials (Coal & Dolomite)
3	Material of Construction of Stack	M.S
4	Shape of Stack	Circular
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent
6	Capacity	100 TPD X 2
B.	Physical Characteristics of Stack	
1	Height of the stack	
	(a) from Ground Level (m)	55.0
	(b) from Roof Level (m)	-
2	Diameter of the stack	
	(a) at bottom (m)	-
	(b) at top (m)	-
3	Diameter of the stack at sampling point (m)	2.0
4	Height of the sampling point from GL (m)	-
C.	Analysis/Characteristics of Stack	
1	Fuel used	Coal
2	Fuel consumption	1.1 T/hr.
D	Results of sampling & Analysis of gaseous emission	
1	Temperature of emission (°C)	124
2	Barometric Pressure (mmHg)	740
3	Velocity of gas in duct (M/sec)	11.3
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	90809
5	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	80
6	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	-
7	Concentration of CO (% V/V)	-
8	Concentration of CO <sub>2</sub> (% V/V)	8.1
9	Concentration of PM (mg/Nm <sup>3</sup> )	25
E	Pollution Control Device	
	Details of pollution control device attached with the stack	ESP
F	Remarks: There is a common stack, connected to the DRI Kilns (3 & 4). Both the DRI Kilns (3 & 4) were in operation at the time of sampling.	

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

## **ANNEXURE-2**

### **Continuous stack emission monitoring Report (April - 2023 to September - 2023)**

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
<b>Range</b>	0-500	0-250	0-1000	0-1000
<b>Unit</b>	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3
<b>Limit</b>	100	-NA-	100	-NA-
<b>Min</b>	27.31	32.14	14.5	30.05
<b>Max</b>	29.1	39.48	28.94	39.3
<b>Avg</b>	27.58	32.72	28.35	30.45

SL	Datetime	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
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1	2023-04-02 00:00:00	27.668	32.36	28.833	30.186
2	2023-04-03 00:00:00	27.635	32.367	28.9	30.155
3	2023-04-04 00:00:00	27.432	33.063	28.829	30.141
4	2023-04-05 00:00:00	27.499	32.51	28.773	30.118
5	2023-04-06 00:00:00	27.308	32.566	28.92	30.143
6	2023-04-07 00:00:00	27.422	32.242	28.941	30.206
7	2023-04-08 00:00:00	27.673	32.698	28.814	30.12
8	2023-04-09 00:00:00	27.617	32.481	28.813	30.159
9	2023-04-10 00:00:00	27.547	32.136	28.833	30.136

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datetime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
10	2023-04-11 00:00:00	27.421	32.241	28.812	30.165
11	2023-04-12 00:00:00	27.378	32.303	28.893	30.162
12	2023-04-13 00:00:00	27.509	32.553	28.842	30.121
13	2023-04-14 00:00:00	27.579	32.331	28.799	30.17
14	2023-04-15 00:00:00	27.571	32.563	28.786	30.158
15	2023-04-16 00:00:00	27.373	32.366	28.819	30.146
16	2023-04-17 00:00:00	27.491	32.323	28.826	30.149
17	2023-04-18 00:00:00	27.622	32.541	28.779	30.167
18	2023-04-19 00:00:00	27.65	32.52	28.883	30.139
19	2023-04-20 00:00:00	27.521	32.537	28.867	30.144
20	2023-04-21 00:00:00	27.695	32.393	28.806	30.139
21	2023-04-22 00:00:00	27.58	32.609	28.829	30.159
22	2023-04-23 00:00:00	27.59	32.586	28.813	30.16
23	2023-04-24 00:00:00	27.317	32.439	28.859	30.15

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_Spo nge_Iron2x100_TP D_DRI_Kiln_1_2(P M)	Stack_1_ESP_Spo nge_Iron2x100_TP D_DRI_Kiln_1_2(S O2)	Stack_2_ESP_Spo nge_Iron_2x100_T PD_DRI_3and4Kil n(PM)	Stack_2_ESP_Spo nge_Iron_2x100_T PD_DRI_3and4Kil n(SO2)
24	2023-04-25 00:00:00	27.669	32.667	28.849	30.102
25	2023-04-26 00:00:00	27.508	32.814	28.774	30.186
26	2023-04-27 00:00:00	27.663	32.538	28.839	30.168
27	2023-04-28 00:00:00	27.385	32.524	28.739	30.048
28	2023-04-29 00:00:00	27.621	32.589	28.81	30.142
29	2023-04-30 00:00:00	27.384	32.409	28.84	30.12
30	2023-05-01 00:00:00	29.103	39.479	14.5	39.3

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
<b>Range</b>	0-500	0-250	0-1000	0-1000
<b>Unit</b>	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3
<b>Limit</b>	100	-NA-	100	-NA-
<b>Min</b>	27.2	31.79	21.4	18.6
<b>Max</b>	33.46	42.52	28.95	30.18
<b>Avg</b>	27.72	32.83	28.58	29.76

SL	Datetime	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
1	2023-05-02 00:00:00	27.55	32.426	28.838	30.145
2	2023-05-03 00:00:00	27.197	32.539	28.851	30.151
3	2023-05-04 00:00:00	27.521	32.5	28.742	30.165
4	2023-05-05 00:00:00	27.681	32.365	28.852	30.149
5	2023-05-06 00:00:00	27.435	32.551	28.82	30.146
6	2023-05-07 00:00:00	27.413	31.786	28.821	30.144
7	2023-05-08 00:00:00	27.535	32.36	28.842	30.068
8	2023-05-09 00:00:00	27.448	32.264	28.806	30.16
9	2023-05-10 00:00:00	27.41	32.638	28.688	30.175

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_Spo nge_Iron2x100_TP D_DRI_Kiln_1_2(P M)	Stack_1_ESP_Spo nge_Iron2x100_TP D_DRI_Kiln_1_2(S O2)	Stack_2_ESP_Spo nge_Iron_2x100_T PD_DRI_3and4Kil n(PM)	Stack_2_ESP_Spo nge_Iron_2x100_T PD_DRI_3and4Kil n(SO2)
10	2023-05-11 00:00:00	27.541	32.451	28.868	30.13
11	2023-05-12 00:00:00	27.588	32.524	28.848	30.146
12	2023-05-13 00:00:00	27.474	32.355	28.803	30.177
13	2023-05-14 00:00:00	27.55	32.515	28.805	30.135
14	2023-05-15 00:00:00	27.499	32.568	28.792	30.151
15	2023-05-16 00:00:00	27.449	32.555	28.813	30.173
16	2023-05-17 00:00:00	27.568	32.423	28.838	30.148
17	2023-05-18 00:00:00	27.648	32.347	28.813	30.139
18	2023-05-19 00:00:00	27.451	32.334	28.82	30.156
19	2023-05-20 00:00:00	27.332	32.946	28.877	30.098
20	2023-05-21 00:00:00	27.545	32.46	28.841	30.155
21	2023-05-22 00:00:00	27.475	32.569	28.822	30.146
22	2023-05-23 00:00:00	27.806	32.651	28.812	30.181
23	2023-05-24 00:00:00	NA	NA	NA	NA

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datetime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
24	2023-05-25 00:00:00	27.616	32.826	28.816	30.061
25	2023-05-26 00:00:00	27.65	32.693	28.948	30.168
26	2023-05-27 00:00:00	27.481	32.552	28.792	30.185
27	2023-05-28 00:00:00	27.638	32.474	28.883	30.173
28	2023-05-29 00:00:00	27.61	32.54	28.787	30.159
29	2023-05-30 00:00:00	27.53	32.492	28.79	30.179
30	2023-05-31 00:00:00	27.382	32.73	28.845	30.151
31	2023-06-01 00:00:00	33.458	42.521	21.4	18.6

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
<b>Range</b>	0-500	0-250	0-1000	0-1000
<b>Unit</b>	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3
<b>Limit</b>	100	-NA-	100	-NA-
<b>Min</b>	27.25	32.03	27.35	24.87
<b>Max</b>	33.71	44.87	32.47	30.25
<b>Avg</b>	27.71	32.88	28.18	26.57

SL	Datetime	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron_2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
1	2023-06-02 00:00:00	27.526	32.559	28.817	30.166
2	2023-06-03 00:00:00	27.588	32.439	28.886	30.118
3	2023-06-04 00:00:00	27.511	32.341	28.768	30.146
4	2023-06-05 00:00:00	27.588	32.216	28.878	30.249
5	2023-06-06 00:00:00	27.248	32.608	NA	NA
6	2023-06-07 00:00:00	27.415	32.386	NA	NA
7	2023-06-08 00:00:00	27.528	32.624	NA	NA
8	2023-06-09 00:00:00	27.337	32.313	NA	NA
9	2023-06-10 00:00:00	27.364	32.717	NA	NA

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_Spo nge_Iron2x100_TP D_DRI_Kiln_1_2(P M)	Stack_1_ESP_Spo nge_Iron2x100_TP D_DRI_Kiln_1_2(S O2)	Stack_2_ESP_Spo nge_Iron_2x100_T PD_DRI_3and4Kil n(PM)	Stack_2_ESP_Spo nge_Iron_2x100_T PD_DRI_3and4Kil n(SO2)
10	2023-06-11 00:00:00	27.619	32.715	NA	NA
11	2023-06-12 00:00:00	27.489	32.031	NA	NA
12	2023-06-13 00:00:00	27.598	32.136	NA	NA
13	2023-06-14 00:00:00	27.338	32.142	NA	NA
14	2023-06-15 00:00:00	27.578	32.251	NA	NA
15	2023-06-16 00:00:00	27.604	32.502	NA	NA
16	2023-06-17 00:00:00	27.545	32.645	NA	NA
17	2023-06-18 00:00:00	27.658	32.942	NA	NA
18	2023-06-19 00:00:00	27.498	32.436	NA	NA
19	2023-06-20 00:00:00	27.529	32.427	NA	NA
20	2023-06-21 00:00:00	27.705	32.547	27.58	25.145
21	2023-06-22 00:00:00	27.533	32.669	27.486	25.051
22	2023-06-23 00:00:00	27.541	32.946	27.543	24.984
23	2023-06-24 00:00:00	27.587	32.613	27.516	25.128

**VASTHI ENVIRO**

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),

Industry Code: 08CG336

Industry Category: Steel &amp; Iron

Industry Type: Emission

Station : Stack\_2\_ESP\_Sponge\_Iron\_2x100\_TPD\_DRI\_3and4Kiln

Raigarh, Chhattisgarh

22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datetime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
24	2023-06-25 00:00:00	27.383	32.324	27.649	25.065
25	2023-06-26 00:00:00	27.525	32.515	27.351	24.954
26	2023-06-27 00:00:00	27.462	32.219	27.513	25.037
27	2023-06-28 00:00:00	27.385	32.571	27.493	24.979
28	2023-06-29 00:00:00	27.529	32.452	27.375	25.008
29	2023-06-30 00:00:00	27.447	32.146	27.423	24.869
30	2023-07-01 00:00:00	33.712	44.865	32.475	27.725

Industry:	M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)				
Industry Code:	08CG336				
Industry Category:	Steel & Iron				
Industry Type:	Emission				
Address:	Raigarh, Chhattisgarh, 22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh				
	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)	
range	0-500	0-250	0-1000	0-1000	
min	27.047	30.462	21.035	23.714	
max	27.798	33.761	29.619	25.14	
avg	27.495	32.482	27.386	24.931	
SL	datetime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
1	02-07-2023 00:00	27.798	32.591	27.438	24.919
2	03-07-2023 00:00	27.578	32.383	27.563	25.089
3	04-07-2023 00:00	27.639	32.381	27.439	24.94
4	05-07-2023 00:00	27.529	32.642	27.711	25.071
5	06-07-2023 00:00	27.527	32.506	27.811	24.984
6	07-07-2023 00:00	27.499	32.453	27.536	24.97
7	08-07-2023 00:00	27.398	32.738	27.412	24.91
8	09-07-2023 00:00	27.462	32.752	27.622	24.947
9	10-07-2023 00:00	27.344	32.396	27.429	25.14
10	11-07-2023 00:00	27.491	32.319	27.495	25
11	12-07-2023 00:00	27.552	32.456	27.453	24.958
12	13-07-2023 00:00	27.236	32.615	27.69	24.959
13	14-07-2023 00:00	27.498	32.637	27.48	24.907
14	15-07-2023 00:00	27.553	32.473	27.689	25.054
15	16-07-2023 00:00	27.299	32.343	27.452	25.015
16	17-07-2023 00:00	27.493	32.697	27.378	24.875
17	18-07-2023 00:00	27.544	32.623	27.387	24.964
18	19-07-2023 00:00	27.504	32.499	27.581	25.047
19	20-07-2023 00:00	27.507	32.46	27.682	24.876
20	21-07-2023 00:00	27.519	32.473	27.499	25.033
21	22-07-2023 00:00	27.594	32.453	27.454	24.899
22	23-07-2023 00:00	27.047	30.462	29.619	24.701

23	24-07-2023 00:00	27.623	32.411	27.443	25.062
24	25-07-2023 00:00	27.647	32.346	27.504	25.053
25	26-07-2023 00:00	27.462	32.51	27.59	25.006
26	27-07-2023 00:00	27.514	32.526	27.459	25.021
27	28-07-2023 00:00	27.591	32.606	27.599	24.963
28	29-07-2023 00:00	27.379	32.464	27.534	24.898
29	30-07-2023 00:00	27.45	32.483	27.549	24.881
30	31-07-2023 00:00	27.441	32.479	27.426	24.994
31	01-08-2023 00:00	27.619	33.761	21.035	23.714

Industry:	M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)				
Industry Code:	08CG336				
Industry Category:	Steel & Iron				
Industry Type:	Emission				
Address:	Raigarh, Chhattisgarh, 22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh				

	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
range	0-500	0-250	0-1000	0-1000
min	26.823	20.322	27.336	20.482
max	27.824	32.793	31.792	25.159
avg	27.494	32.15	27.649	24.866

SL	datetime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
1	02-08-2023 00:00	27.579	32.612	27.622	24.885
2	03-08-2023 00:00	27.462	32.793	27.512	25.039
3	04-08-2023 00:00	27.423	32.542	27.441	24.794
4	05-08-2023 00:00	27.455	32.243	27.395	25.125
5	06-08-2023 00:00	27.629	32.455	27.483	25.013
6	07-08-2023 00:00	27.578	32.357	27.601	25.011
7	08-08-2023 00:00	27.606	32.628	27.592	25.006
8	09-08-2023 00:00	27.308	32.67	27.574	25.067
9	10-08-2023 00:00	27.397	32.554	27.563	24.941
10	11-08-2023 00:00	27.521	32.639	27.546	25.082

11	12-08-2023 00:00	27.407	32.727	27.6	25.02
12	13-08-2023 00:00	27.432	32.513	27.446	24.988
13	14-08-2023 00:00	27.526	32.545	27.528	25.069
14	15-08-2023 00:00	27.341	32.622	27.336	25.159
15	16-08-2023 00:00	27.426	32.208	27.454	24.936
16	17-08-2023 00:00	27.564	32.237	27.513	25.051
17	18-08-2023 00:00	27.748	32.783	27.699	25.142
18	19-08-2023 00:00	27.345	32.395	27.358	25.041
19	20-08-2023 00:00	27.824	32.608	27.401	25.089
20	21-08-2023 00:00	27.508	32.722	27.557	24.978
21	22-08-2023 00:00	27.573	32.618	27.579	24.796
22	23-08-2023 00:00	27.483	32.283	27.509	24.962
23	24-08-2023 00:00	27.315	32.51	27.53	25.049
24	25-08-2023 00:00	27.651	32.659	27.431	24.94
25	26-08-2023 00:00	27.514	32.644	27.438	25.053
26	27-08-2023 00:00	27.716	32.578	27.46	25.072
27	28-08-2023 00:00	27.574	32.708	27.485	25.034
28	29-08-2023 00:00	27.454	32.556	27.665	25.066
29	30-08-2023 00:00	27.548	32.541	27.431	24.967
30	31-08-2023 00:00	27.577	32.368	27.579	24.985

Industry:	M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)				
Industry Code:	08CG336				
Industry Category:	Steel & Iron				
Industry Type:	Emission				
Address:	Raigarh, Chhattisgarh, 22 KM Mile Stone, Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh				

	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
range	0-500	0-250	0-1000	0-1000
min	23.473	26.802	24.833	22.281
max	31.242	38.897	30.622	27.702
avg	27.5	32.581	27.474	24.988

SL	datetime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
1	01-09-2023 00:00	26.349	33.59	26.801	25.665
2	02-09-2023 00:00	26.913	31.979	28.223	24.261

3	03-09-2023 00:00	30.326	31.544	29.414	24.315
4	04-09-2023 00:00	26.013	31.122	26.358	23.653
5	05-09-2023 00:00	28.448	32.634	26.364	25.989
6	06-09-2023 00:00	28.745	31.562	27.876	24.738
7	07-09-2023 00:00	28.139	32.506	27.286	24.241
8	08-09-2023 00:00	27.128	35.886	27.898	26.114
9	09-09-2023 00:00	28.396	32.94	26.669	25.404
10	10-09-2023 00:00	27.654	30.434	28.831	25.523
11	11-09-2023 00:00	28.442	33.643	27.289	25.354
12	12-09-2023 00:00	27.421	33.056	30.622	25.364
13	13-09-2023 00:00	28.593	36.142	28.174	25.27
14	14-09-2023 00:00	29.129	33.827	26.355	24.319
15	15-09-2023 00:00	28.405	33.898	28.637	24.308
16	16-09-2023 00:00	31.242	33.33	25.939	27.282
17	17-09-2023 00:00	28.644	32.485	26.991	24.869
18	18-09-2023 00:00	27.527	31.392	28.017	23.992
19	19-09-2023 00:00	25.974	32.798	27.403	22.982
20	20-09-2023 00:00	27.318	30.135	28.154	25.185
21	21-09-2023 00:00	27.773	32.809	28.114	24.758
22	22-09-2023 00:00	26.153	30.692	27.405	25.547
23	23-09-2023 00:00	28.193	28.971	29.537	22.938
24	24-09-2023 00:00	26.711	32.369	27.066	23.493
25	25-09-2023 00:00	28.466	31.358	27.739	27.702
26	26-09-2023 00:00	28.192	32.584	26.149	25.289
27	27-09-2023 00:00	28.443	33.596	26.728	26.602
28	28-09-2023 00:00	28.111	32.028	27.958	24.98
29	29-09-2023 00:00	26.12	35.793	28.936	23.876
30	30-09-2023 00:00	28.411	31.744	26.046	24.47

## **ANNEXURE-3**

### **Ambient Air Quality Monitoring Report (April, 2023 to September, 2023)**

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accredited by NABL, as per ISO/IEC 17025 :2017
- Laboratory Recognized by WBPCB
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CIN NO : U74210WB1989PTC047403

ANX-3

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011

TABLE: - I				
Onsite Ambient Air Quality Monitoring Results				
Location		Project Site		
(Period: April 2023 To September 2023)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)
03.04.2023	73	34	14	23
06.04.2023	79	38	11	25
10.04.2023	65	28	15	22
13.04.2023	75	35	12	27
17.04.2023	80	39	11	29
20.04.2023	76	35	13	23
24.04.2023	79	38	12	30
27.04.2023	73	31	14	21
02.05.2023	82	37	10	30
05.05.2023	74	31	13	25
08.05.2023	68	27	12	23
11.05.2023	76	35	9	19
15.05.2023	80	38	13	28
18.05.2023	77	35	12	22
22.05.2023	82	40	10	29
25.05.2023	65	28	14	25
29.05.2023	74	34	12	30
01.06.2023	80	38	11	24
05.06.2023	70	33	8	21
08.06.2023	64	26	11	29
12.06.2023	78	36	12	23
15.06.2023	67	29	9	20
19.06.2023	62	26	14	29
22.06.2023	73	34	10	23
26.06.2023	61	26	12	18
29.06.2023	66	30	9	22
03.07.2023	58	24	11	24
06.07.2023	64	27	10	29
10.07.2023	69	32	8	17
13.07.2023	57	26	10	23
17.07.2023	65	31	8	22
20.07.2023	63	28	9	25
24.07.2023	71	33	11	23
27.07.2023	61	26	8	18
03.08.2023	67	31	9	21

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

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DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)
07.08.2023	63	28	8	24
10.08.2023	58	25	9	17
14.08.2023	61	26	11	22
17.08.2023	55	25	10	19
21.08.2023	67	31	9	25
24.08.2023	59	28	10	17
28.08.2023	70	31	11	20
04.09.2023	65	31	13	23
07.09.2023	62	29	9	19
11.09.2023	72	35	12	27
14.09.2023	68	32	10	21
18.09.2023	64	28	13	24
21.09.2023	76	37	9	20
25.09.2023	70	32	14	26
28.09.2023	65	29	10	22

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

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TABLE: - 2				
Onsite Ambient Air Quality Monitoring Results				
Location		Samaruma Village		
(Period: April 2023 To September 2023)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)
03.04.2023	70	32	10	20
06.04.2023	58	26	7	15
10.04.2023	54	19	4	13
13.04.2023	72	34	9	20
17.04.2023	64	28	10	11
20.04.2023	46	16	8	18
24.04.2023	54	24	7	14
27.04.2023	48	17	10	21
02.05.2023	70	32	7	17
05.05.2023	60	28	11	24
08.05.2023	52	21	13	16
11.05.2023	47	17	9	21
15.05.2023	55	24	6	11
18.05.2023	52	20	5	17
22.05.2023	67	29	10	22
25.05.2023	49	18	4	13
29.05.2023	60	27	5	14
01.06.2023	46	16	6	12
05.06.2023	52	25	4	9
08.06.2023	47	16	5	17
12.06.2023	53	24	6	13
15.06.2023	61	27	4	9
19.06.2023	57	25	5	16
22.06.2023	62	29	6	12
26.06.2023	55	25	4	20
29.06.2023	50	22	5	9
03.07.2023	57	24	6	11
06.07.2023	48	19	5	17
10.07.2023	50	22	6	13
13.07.2023	55	25	4	9
17.07.2023	48	18	5	14
20.07.2023	60	27	6	20
24.07.2023	52	22	4	12
27.07.2023	49	18	7	14
03.08.2023	61	28	5	9
07.08.2023	52	22	4	17
10.08.2023	48	18	7	14
14.08.2023	60	28	6	11
17.08.2023	55	22	8	18

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-3

DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
21.08.2023	68	31	6	14
24.08.2023	52	19	4	9
28.08.2023	58	26	7	15
04.09.2023	65	30	11	25
07.09.2023	52	21	6	21
11.09.2023	61	27	12	13
14.09.2023	55	24	8	16
18.09.2023	70	33	7	11
21.09.2023	68	31	6	15
25.09.2023	73	34	10	12
28.09.2023	54	22	6	20

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - 3				
Onsite Ambient Air Quality Monitoring Results				
Location		Parkipahari Village		
(Period: April 2023 To September 2023)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
04.04.2023	53	23	6	19
07.04.2023	66	32	9	17
11.04.2023	51	24	7	22
14.04.2023	57	27	5	36
18.04.2023	69	35	6	29
21.04.2023	60	29	5	20
25.04.2023	65	31	8	32
28.04.2023	54	26	6	17
03.05.2023	66	33	5	25
06.05.2023	61	29	8	28
09.05.2023	53	26	7	22
12.05.2023	60	30	5	18
16.05.2023	66	32	6	23
19.05.2023	44	20	7	19
23.05.2023	58	27	5	22
26.05.2023	62	30	6	18
30.05.2023	51	23	5	21
02.06.2023	55	26	8	25
06.06.2023	70	34	6	18
09.06.2023	64	31	5	19
13.06.2023	58	28	8	23
16.06.2023	52	24	7	18
20.06.2023	66	34	5	27
23.06.2023	55	26	6	30
27.06.2023	47	21	7	18
30.06.2023	67	35	5	25
04.07.2023	50	24	6	16
07.07.2023	60	32	7	21
11.07.2023	45	21	5	18
14.07.2023	64	31	6	23
18.07.2023	52	23	5	26
21.07.2023	58	27	6	17
25.07.2023	49	23	7	32
28.07.2023	63	31	5	23
04.08.2023	47	23	6	20
08.08.2023	57	29	5	25
11.08.2023	50	23	7	17
15.08.2023	42	20	5	27
18.08.2023	61	29	6	23

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CIN NO : U74210WB1989PTC047403

ANX-3

DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
22.08.2023	45	21	5	29
25.08.2023	60	28	8	21
29.08.2023	54	25	6	26
05.09.2023	61	30	7	17
08.09.2023	55	25	8	22
12.09.2023	63	29	7	16
15.09.2023	50	22	5	28
19.09.2023	52	25	9	20
22.09.2023	70	34	7	25
26.09.2023	65	30	8	16
29.09.2023	59	27	6	23

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accredited by NABL, as per ISO/IEC 17025 :2017
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CIN NO : U74210WB1989PTC047403

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TABLE: - 4				
Onsite Ambient Air Quality Monitoring Results				
Location		Punjipatra Village		
(Period: April 2023 To September 2023)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
04.04.2023	72	34	10	22
07.04.2023	68	31	14	27
11.04.2023	62	28	12	31
14.04.2023	74	33	9	23
18.04.2023	69	29	11	30
21.04.2023	62	25	13	21
25.04.2023	69	30	10	17
28.04.2023	58	27	16	26
03.05.2023	72	32	11	21
06.05.2023	60	25	10	28
09.05.2023	71	31	14	21
12.05.2023	64	28	11	24
16.05.2023	75	34	9	17
19.05.2023	68	30	10	29
23.05.2023	76	35	13	19
26.05.2023	71	33	11	21
30.05.2023	64	27	9	19
02.06.2023	69	31	8	25
06.06.2023	72	34	12	18
09.06.2023	56	24	9	27
13.06.2023	68	30	11	21
16.06.2023	58	26	8	24
20.06.2023	64	29	10	20
23.06.2023	75	35	9	18
27.06.2023	62	27	11	23
30.06.2023	54	23	14	19
04.07.2023	66	30	9	26
07.07.2023	58	26	12	15
11.07.2023	70	33	8	21
14.07.2023	60	28	10	19
18.07.2023	53	20	8	17
21.07.2023	64	31	10	14
25.07.2023	74	36	7	22
28.07.2023	60	28	9	15
04.08.2023	72	33	10	20
08.08.2023	69	31	11	14
11.08.2023	57	24	7	16
15.08.2023	66	30	8	19
18.08.2023	72	35	11	16

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

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DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
22.08.2023	67	31	7	14
25.08.2023	76	37	12	25
29.08.2023	70	34	9	20
05.09.2023	74	36	8	15
08.09.2023	62	27	11	18
12.09.2023	76	35	9	24
15.09.2023	58	24	10	14
19.09.2023	68	32	12	24
22.09.2023	62	29	9	19
26.09.2023	74	36	8	16
29.09.2023	64	30	11	21

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-3

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011

Table 1		Statistical Analysis of Pollutants				
		(Period: April 2023 To September 2023)				
Pollutants	Locations	MES	Min	Max	A.M.	P - 98
PM <sub>10</sub> (µg/m <sup>3</sup> )	Project Site	50	55	82	69.0	82.0
	Samaruma Village	50	46	73	56.6	72.0
	Parkipahari Village	50	42	70	57.2	70.0
	Punjipatra Village	50	53	76	66.5	76.0
	Overall	200	42	82	62.3	-
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Project Site	50	24	40	31.3	39.2
	Samaruma Village	50	16	34	24.2	33.6
	Parkipahari Village	50	20	35	27.3	34.8
	Punjipatra Village	50	20	37	30.0	36.3
	Overall	200	16	40	28.2	-
SO <sub>2</sub> (µg/m <sup>3</sup> )	Project Site	50	8	15	10.9	14.0
	Samaruma Village	50	4	13	6.7	12.0
	Parkipahari Village	50	5	9	6.3	9.0
	Punjipatra Village	50	7	16	10.2	14.0
	Overall	200	4	16	8.5	-
NO <sub>2</sub> (µg/m <sup>3</sup> )	Project Site	50	17	30	23.4	30.0
	Samaruma Village	50	9	25	15.1	24.0
	Parkipahari Village	50	16	36	22.4	32.1
	Punjipatra Village	50	14	31	20.7	30.0
	Overall	200	9	36	20.4	-

For ENVIROTECH EAST (P) LTD.



*[Signature]*

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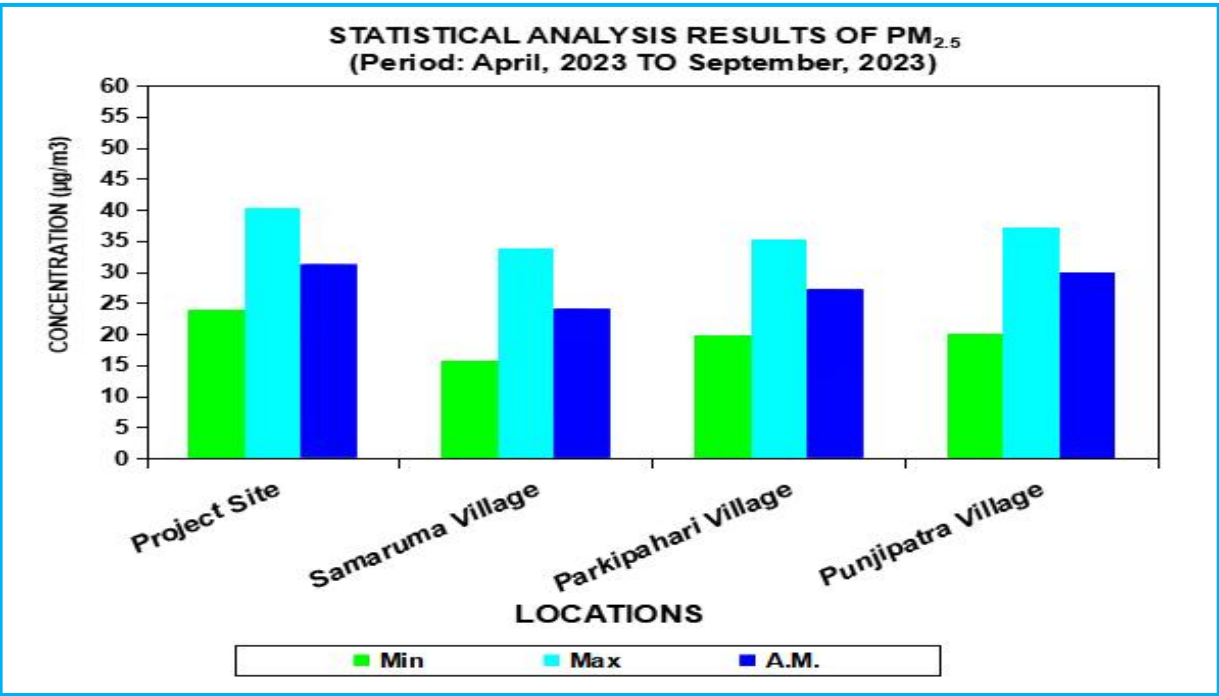
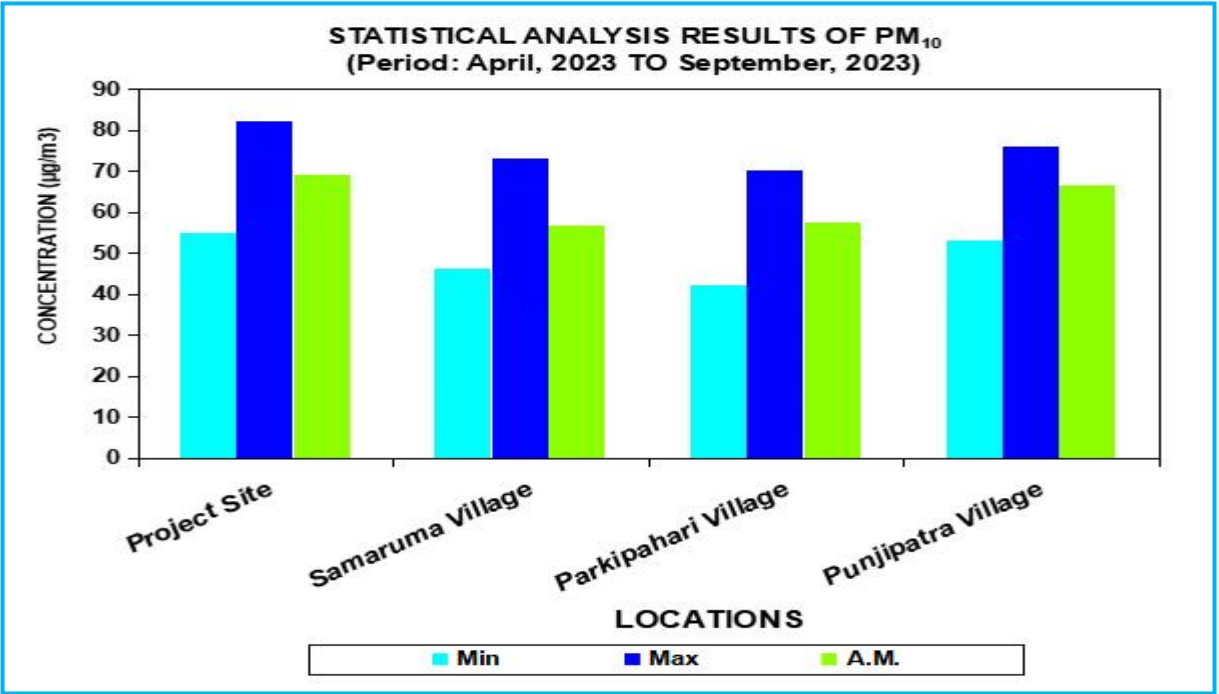


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CIN NO : U74210WB1989PTC047403

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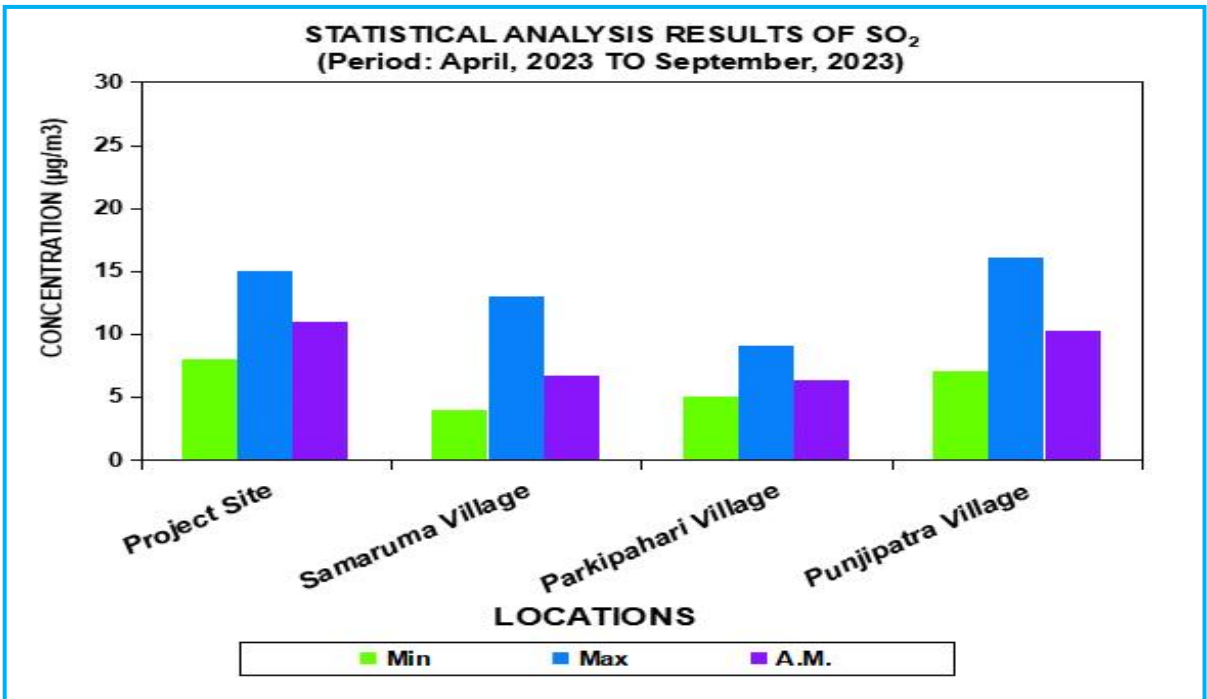
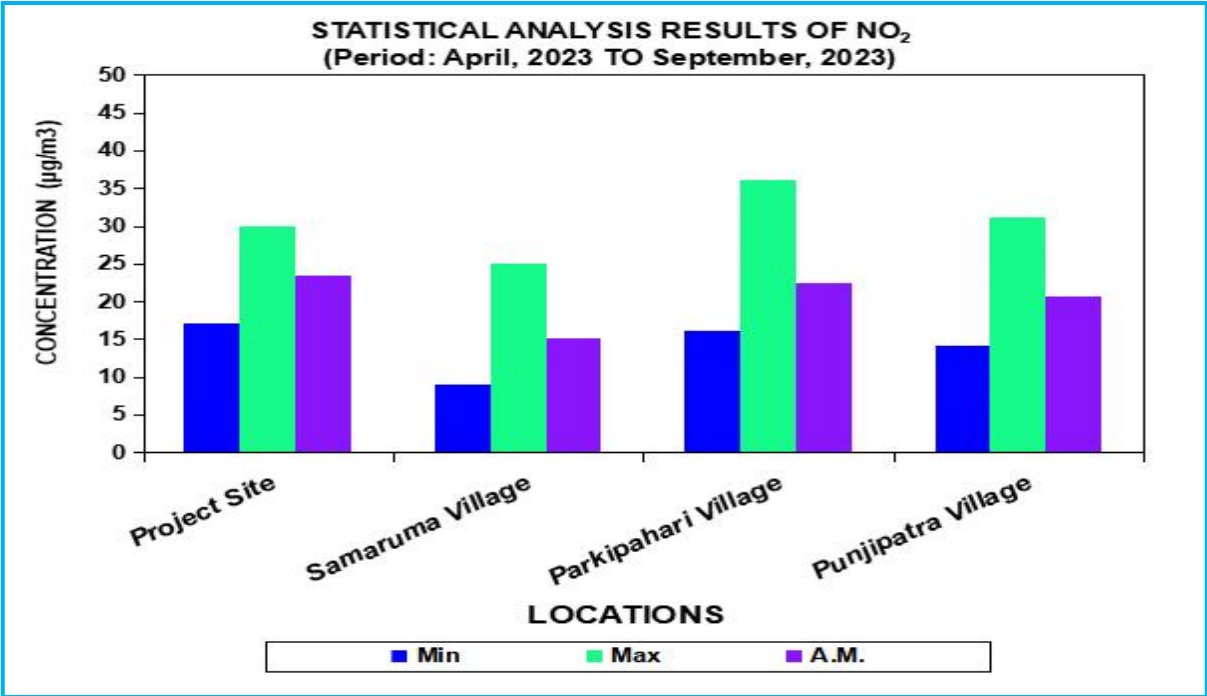


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CIN NO : U74210WB1989PTC047403

ANX-3



For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)



# Real Time Data Acquisition And Monitoring

Site Name: M/s Scania Steels & Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)

Report: Average Report

From Date: 01-04-2023T00:00:04Z To Date: 30-04-2023T00:00:19Z

Description	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 80	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.44	3.21	2.39	6.12	30.8	82.0	52.8
Minimum Data	0.71	2.57	2.22	5.37	6.57	17.51	27.02
Geometric Mean	1.05	2.94	2.29	5.82	17.37	46.32	36.64
Median	1.0	2.99	2.3	5.89	15.63	41.7	34.7
Standard Deviation	0.19	0.21	0.05	0.24	5.76	15.33	8.59
Maximum Value At Time	2023-04-13 00:00:00	2023-04-05 00:00:00	2023-04-11 00:00:00	2023-04-05 00:00:00	2023-04-07 00:00:00	2023-04-07 00:00:00	2023-04-17 00:00:00
Minimum Value At Time	2023-04-29 00:00:00	2023-04-17 00:00:00	2023-04-23 00:00:00	2023-04-17 00:00:00	2023-04-29 00:00:00	2023-04-29 00:00:00	2023-04-05 00:00:00
Valid Data Points	29	29	29	29	29	29	29
Total Data Points	29	29	29	29	29	29	29
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
1	2023-04-01 00:00:00	1.04	3.16	2.23	6.05	12.26	32.69	27.41
2	2023-04-02 00:00:00	1.03	3.12	2.26	6.02	14.42	38.45	28.78
3	2023-04-03 00:00:00	0.96	3.19	2.23	6.10	16.31	43.53	27.29
4	2023-04-04 00:00:00	1.27	3.20	2.23	6.10	20.25	54.02	27.38
5	2023-04-05 00:00:00	1.00	3.21	2.24	6.12	19.96	53.18	27.02
6	2023-04-06 00:00:00	0.94	3.14	2.32	6.09	22.08	58.87	28.44
7	2023-04-07 00:00:00	1.17	3.12	2.30	6.06	30.80	82.00	29.54
8	2023-04-08 00:00:00	0.94	3.09	2.27	5.99	19.52	52.06	31.18

SI No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
9	2023-04-09 00:00:00	0.99	3.01	2.33	5.93	15.63	41.70	33.63
10	2023-04-10 00:00:00	0.96	2.99	2.31	5.89	13.58	36.21	34.70
11	2023-04-11 00:00:00	0.93	2.76	2.39	5.66	15.31	40.82	42.58
12	2023-04-12 00:00:00	1.08	2.69	2.30	5.50	17.26	46.01	47.67
13	2023-04-13 00:00:00	1.44	2.69	2.38	5.55	26.19	69.75	46.75
14	2023-04-14 00:00:00	1.31	2.73	2.33	5.58	28.41	75.76	44.63
15	2023-04-15 00:00:00	1.05	2.96	2.29	5.83	23.51	62.71	37.44
16	2023-04-16 00:00:00	0.87	2.61	2.31	5.41	13.59	36.22	50.16
17	2023-04-17 00:00:00	1.37	2.57	2.34	5.37	22.31	59.45	52.80
18	2023-04-18 00:00:00	1.19	2.59	2.33	5.39	26.73	71.25	52.36
19	2023-04-19 00:00:00	1.36	2.59	2.36	5.42	18.94	50.53	52.50
20	2023-04-20 00:00:00	0.89	2.89	2.30	5.76	15.32	40.82	37.45
21	2023-04-21 00:00:00	0.78	3.01	2.28	5.90	13.70	36.49	32.92
22	2023-04-22 00:00:00	1.08	2.91	2.25	5.74	16.00	42.64	37.97
23	2023-04-23 00:00:00	1.21	3.16	2.22	6.03	12.87	34.34	29.38
24	2023-04-24 00:00:00	1.33	3.12	2.27	6.02	12.18	32.47	28.93
25	2023-04-25 00:00:00	0.90	3.06	2.24	5.93	10.75	28.67	31.10
26	2023-04-26 00:00:00	0.84	2.94	2.26	5.79	12.46	33.23	35.38
27	2023-04-27 00:00:00	0.84	2.92	2.32	5.81	13.62	36.38	37.19
28	2023-04-28 00:00:00	0.88	2.80	2.34	5.67	13.34	35.58	40.49
29	2023-04-29 00:00:00	0.71	3.08	2.22	5.94	6.57	17.51	29.56



# Real Time Data Acquisition And Monitoring

Site Name: M/s Scania Steels & Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)

Report: Average Report

From Date: 01-05-2023T00:00:18Z To Date: 31-05-2023T00:00:29Z

Description	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 80	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.91	3.13	2.46	6.0	28.23	75.23	62.99
Minimum Data	0.72	2.27	2.23	5.0	8.18	21.81	27.81
Geometric Mean	1.08	2.63	2.29	5.41	17.09	45.56	48.39
Median	1.02	2.51	2.28	5.28	15.07	40.2	54.0
Standard Deviation	0.27	0.26	0.05	0.31	5.55	14.78	11.17
Maximum Value At Time	2023-05-21 00:00:00	2023-05-03 00:00:00	2023-05-11 00:00:00	2023-05-02 00:00:00	2023-05-29 00:00:00	2023-05-29 00:00:00	2023-05-18 00:00:00
Minimum Value At Time	2023-05-02 00:00:00	2023-05-30 00:00:00	2023-05-01 00:00:00	2023-05-30 00:00:00	2023-05-02 00:00:00	2023-05-02 00:00:00	2023-05-04 00:00:00
Valid Data Points	30	30	30	30	30	30	30
Total Data Points	30	30	30	30	30	30	30
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
1	2023-05-01 00:00:00	1.31	3.11	2.23	5.99	10.14	27.06	28.55
2	2023-05-02 00:00:00	0.72	3.12	2.24	6.00	8.18	21.81	28.33
3	2023-05-03 00:00:00	0.79	3.13	2.23	6.00	11.47	30.60	27.86
4	2023-05-04 00:00:00	0.88	3.10	2.25	6.00	14.37	38.31	27.81
5	2023-05-05 00:00:00	0.81	2.90	2.31	5.77	13.20	35.21	34.91
6	2023-05-06 00:00:00	0.83	2.82	2.27	5.64	10.05	26.80	39.79
7	2023-05-07 00:00:00	0.85	2.61	2.37	5.45	15.23	40.63	47.45
8	2023-05-08 00:00:00	0.83	2.78	2.27	5.58	12.90	34.39	42.10

SI No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
9	2023-05-09 00:00:00	0.84	2.54	2.28	5.29	14.91	39.76	53.87
10	2023-05-10 00:00:00	0.97	2.49	2.34	5.27	12.25	32.66	55.83
11	2023-05-11 00:00:00	1.02	2.39	2.46	5.25	13.80	36.80	57.62
12	2023-05-12 00:00:00	0.87	2.96	2.24	5.79	14.41	38.44	34.14
13	2023-05-13 00:00:00	1.14	2.82	2.28	5.64	23.20	61.88	39.65
14	2023-05-14 00:00:00	1.09	2.58	2.27	5.33	20.41	54.42	50.29
15	2023-05-15 00:00:00	1.25	2.51	2.29	5.26	26.59	70.91	55.71
16	2023-05-16 00:00:00	1.38	2.49	2.28	5.22	24.42	65.05	59.55
17	2023-05-17 00:00:00	1.25	2.41	2.30	5.12	16.18	43.12	60.14
18	2023-05-18 00:00:00	1.23	2.40	2.30	5.11	16.14	43.06	62.99
19	2023-05-19 00:00:00	1.25	2.39	2.32	5.12	24.14	64.36	61.86
20	2023-05-20 00:00:00	1.41	2.48	2.28	5.21	20.95	55.88	57.13
21	2023-05-21 00:00:00	1.91	2.51	2.33	5.29	25.15	66.95	50.70
22	2023-05-22 00:00:00	1.41	2.51	2.25	5.22	17.57	46.83	54.51
23	2023-05-23 00:00:00	0.83	2.70	2.26	5.46	14.13	37.64	43.59
24	2023-05-24 00:00:00	1.00	2.75	2.25	5.53	19.72	52.59	42.33
25	2023-05-25 00:00:00	1.04	2.48	2.25	5.18	16.66	44.43	55.97
26	2023-05-26 00:00:00	0.91	2.45	2.29	5.17	14.04	37.44	55.14
27	2023-05-27 00:00:00	0.79	2.45	2.29	5.18	13.76	36.57	55.42
28	2023-05-28 00:00:00	1.01	2.44	2.30	5.18	13.51	36.07	54.12
29	2023-05-29 00:00:00	1.47	2.33	2.34	5.06	28.23	75.23	57.00
30	2023-05-30 00:00:00	1.31	2.27	2.36	5.00	26.95	71.77	57.42



# Real Time Data Acquisition And Monitoring

Site Name: M/s Scania Steels & Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)

Report: Average Report

From Date: 01-06-2023T00:00:11Z To Date: 30-06-2023T00:00:25Z

Description	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 80	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.79	3.0	2.4	5.87	45.12	119.86	69.77
Minimum Data	0.71	2.2	2.27	4.86	0.6	1.6	27.66
Geometric Mean	0.95	2.46	2.32	5.22	13.84	36.88	51.58
Median	0.91	2.34	2.32	5.06	12.29	32.78	54.81
Standard Deviation	0.24	0.24	0.03	0.31	9.06	24.12	12.31
Maximum Value At Time	2023-06-20 00:00:00	2023-06-29 00:00:00	2023-06-24 00:00:00	2023-06-28 00:00:00	2023-06-27 00:00:00	2023-06-27 00:00:00	2023-06-19 00:00:00
Minimum Value At Time	2023-06-23 00:00:00	2023-06-18 00:00:00	2023-06-06 00:00:00	2023-06-19 00:00:00	2023-06-02 00:00:00	2023-06-02 00:00:00	2023-06-29 00:00:00
Valid Data Points	29	29	29	29	29	29	29
Total Data Points	29	29	29	29	29	29	29
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
1	2023-06-01 00:00:00	0.98	2.29	2.34	5.01	13.03	34.80	58.31
2	2023-06-02 00:00:00	1.02	2.33	2.34	5.06	0.60	1.60	56.77
3	2023-06-03 00:00:00	0.94	2.30	2.32	5.00	11.08	29.55	59.79
4	2023-06-04 00:00:00	1.15	2.55	2.34	5.34	18.48	49.29	46.62
5	2023-06-05 00:00:00	0.90	2.67	2.31	5.47	13.50	36.01	39.22
6	2023-06-06 00:00:00	0.80	2.83	2.27	5.65	16.90	45.00	33.93
7	2023-06-07 00:00:00	0.85	2.88	2.30	5.74	23.56	62.90	30.35
8	2023-06-08 00:00:00	0.96	2.46	2.37	5.25	14.91	39.65	48.65

SI No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
9	2023-06-09 00:00:00	0.91	2.39	2.30	5.11	14.08	37.53	53.29
10	2023-06-10 00:00:00	1.01	2.33	2.31	5.02	15.47	41.29	59.10
11	2023-06-11 00:00:00	0.97	2.31	2.35	5.03	17.56	46.81	60.72
12	2023-06-12 00:00:00	0.96	2.25	2.37	4.97	10.10	26.92	60.68
13	2023-06-13 00:00:00	0.82	2.24	2.30	4.90	8.49	22.68	61.61
14	2023-06-14 00:00:00	0.80	2.29	2.32	4.98	7.96	21.20	59.08
15	2023-06-15 00:00:00	0.96	2.34	2.33	5.06	10.84	28.89	54.81
16	2023-06-16 00:00:00	0.81	2.31	2.31	5.00	7.39	19.72	58.25
17	2023-06-17 00:00:00	0.83	2.27	2.31	4.95	9.35	24.93	64.45
18	2023-06-18 00:00:00	0.87	2.20	2.37	4.91	9.21	24.54	67.61
19	2023-06-19 00:00:00	1.71	2.20	2.32	4.86	15.86	42.30	69.77
20	2023-06-20 00:00:00	1.79	2.25	2.30	4.90	17.54	46.78	68.31
21	2023-06-21 00:00:00	1.01	2.26	2.30	4.93	12.92	34.47	63.24
22	2023-06-22 00:00:00	0.89	2.40	2.34	5.16	8.31	22.16	52.17
23	2023-06-23 00:00:00	0.71	2.52	2.35	5.31	7.52	20.05	44.81
24	2023-06-24 00:00:00	0.91	2.47	2.40	5.30	12.29	32.78	45.58
25	2023-06-25 00:00:00	0.92	2.61	2.33	5.41	6.04	16.10	44.85
26	2023-06-26 00:00:00	0.73	2.67	2.33	5.50	38.11	101.77	41.46
27	2023-06-27 00:00:00	0.84	2.83	2.31	5.68	45.12	119.86	34.73
28	2023-06-28 00:00:00	0.84	2.98	2.29	5.87	8.71	23.24	30.08
29	2023-06-29 00:00:00	0.73	3.00	2.27	5.87	6.29	16.78	27.66



# Real Time Data Acquisition And Monitoring

Site Name: M/s Scania Steels & Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)

Report: Average Report

From Date: 01-07-2023T00:00:55Z To Date: 31-07-2023T00:00:55Z

Description	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 80	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.52	3.01	2.33	5.85	73.86	196.92	47.71
Minimum Data	0.63	2.62	2.18	5.4	2.05	5.47	28.3
Geometric Mean	0.88	2.92	2.24	5.74	17.28	46.1	31.83
Median	0.76	2.96	2.24	5.77	6.18	16.47	29.66
Standard Deviation	0.24	0.1	0.03	0.11	21.37	57.03	4.84
Maximum Value At Time	2023-07-13 00:00:00	2023-07-01 00:00:00	2023-07-27 00:00:00	2023-07-24 00:00:00	2023-07-27 00:00:00	2023-07-27 00:00:00	2023-07-11 00:00:00
Minimum Value At Time	2023-07-26 00:00:00	2023-07-27 00:00:00	2023-07-05 00:00:00	2023-07-11 00:00:00	2023-07-22 00:00:00	2023-07-22 00:00:00	2023-07-04 00:00:00
Valid Data Points	30	30	30	30	30	30	30
Total Data Points	30	30	30	30	30	30	30
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
1	2023-07-01 00:00:00	0.71	3.01	2.22	5.83	5.39	14.39	29.15
2	2023-07-02 00:00:00	0.66	2.91	2.24	5.72	11.39	30.37	32.06
3	2023-07-03 00:00:00	0.83	2.85	2.25	5.65	43.92	117.22	34.10
4	2023-07-04 00:00:00	0.96	2.98	2.25	5.81	6.70	17.87	28.30
5	2023-07-05 00:00:00	1.21	3.01	2.18	5.81	9.17	24.45	28.35
6	2023-07-06 00:00:00	0.99	2.97	2.24	5.80	7.83	20.89	28.61
7	2023-07-07 00:00:00	0.75	2.99	2.23	5.82	5.65	15.07	29.28
8	2023-07-08 00:00:00	1.17	2.98	2.24	5.83	4.20	11.20	30.34

SI No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
9	2023-07-09 00:00:00	1.29	2.90	2.27	5.73	35.19	93.85	32.70
10	2023-07-10 00:00:00	0.76	2.73	2.30	5.55	61.83	165.01	42.09
11	2023-07-11 00:00:00	1.27	2.64	2.27	5.40	70.02	186.83	47.71
12	2023-07-12 00:00:00	1.20	2.83	2.25	5.64	47.28	126.29	37.25
13	2023-07-13 00:00:00	1.52	2.98	2.24	5.81	7.41	19.75	30.70
14	2023-07-14 00:00:00	0.89	2.89	2.27	5.72	13.88	37.01	32.85
15	2023-07-15 00:00:00	0.85	2.98	2.21	5.79	5.42	14.45	29.76
16	2023-07-16 00:00:00	0.75	2.98	2.19	5.77	4.50	11.99	28.85
17	2023-07-17 00:00:00	0.84	2.97	2.19	5.77	3.72	9.91	29.20
18	2023-07-18 00:00:00	0.76	2.96	2.22	5.77	4.25	11.33	29.35
19	2023-07-19 00:00:00	0.67	2.95	2.19	5.74	3.12	8.33	30.20
20	2023-07-20 00:00:00	0.68	2.97	2.20	5.76	2.27	6.05	29.04
21	2023-07-21 00:00:00	0.69	2.96	2.21	5.76	2.44	6.51	28.80
22	2023-07-22 00:00:00	0.75	2.98	2.22	5.80	2.05	5.47	28.90
23	2023-07-23 00:00:00	1.11	2.96	2.22	5.78	4.63	12.34	29.32
24	2023-07-24 00:00:00	0.85	2.98	2.27	5.85	3.89	10.36	29.53
25	2023-07-25 00:00:00	0.71	2.97	2.26	5.83	3.55	9.49	29.56
26	2023-07-26 00:00:00	0.63	2.87	2.25	5.68	23.15	61.34	31.40
27	2023-07-27 00:00:00	0.68	2.62	2.33	5.43	73.86	196.92	43.80
28	2023-07-28 00:00:00	0.77	2.85	2.26	5.67	29.96	80.12	34.27
29	2023-07-29 00:00:00	0.71	2.92	2.22	5.73	19.66	52.43	31.09
30	2023-07-30 00:00:00	0.65	2.99	2.21	5.80	2.22	5.91	28.34



# Real Time Data Acquisition And Monitoring

Site Name: M/s Scania Steels & Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)

Report: Average Report

From Date: 01-08-2023T00:00:55Z To Date: 31-08-2023T00:00:55Z

Description	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 80	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.19	6.22	5.02	12.35	65.58	107.04	39.53
Minimum Data	0.63	2.7	2.24	5.54	0.75	2.0	21.25
Geometric Mean	0.81	4.73	3.84	9.48	22.68	37.4	33.01
Median	0.73	5.89	4.88	11.98	24.98	41.08	34.16
Standard Deviation	0.17	1.64	1.29	3.25	20.68	33.45	5.22
Maximum Value At Time	2023-09-02 00:00:00	2023-08-31 00:00:00	2023-08-25 00:00:00	2023-08-31 00:00:00	2023-09-03 00:00:00	2023-09-03 00:00:00	2023-09-05 00:00:00
Minimum Value At Time	2023-08-26 00:00:00	2023-08-15 00:00:00	2023-08-21 00:00:00	2023-08-16 00:00:00	2023-08-10 00:00:00	2023-08-10 00:00:00	2023-08-22 00:00:00
Valid Data Points	30	30	30	30	30	30	26
Total Data Points	30	30	30	30	30	30	30
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	86.67%

Sl No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
1	2023-08-10 00:00:00	0.65	2.76	2.35	5.62	0.75	2.00	38.86
2	2023-08-11 00:00:00	0.71	2.78	2.33	5.64	0.75	2.00	38.26
3	2023-08-12 00:00:00	0.71	2.77	2.33	5.63	0.75	2.00	36.89
4	2023-08-13 00:00:00	0.90	2.78	2.29	5.60	0.75	2.00	38.07
5	2023-08-14 00:00:00	1.07	2.75	2.34	5.60	0.75	2.00	38.38
6	2023-08-15 00:00:00	0.70	2.70	2.36	5.55	0.75	2.00	37.68
7	2023-08-16 00:00:00	0.84	2.75	2.26	5.54	0.75	2.00	37.58
8	2023-08-17 00:00:00	0.86	2.77	2.28	5.58	0.75	2.00	35.43

SI No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
9	2023-08-18 00:00:00	0.81	2.79	2.28	5.61	0.75	2.00	34.59
10	2023-08-19 00:00:00	0.99	2.81	2.35	5.69	0.75	2.00	33.72
11	2023-08-20 00:00:00	1.16	2.81	2.28	5.63	0.75	2.00	34.69
12	2023-08-21 00:00:00	0.71	2.86	2.24	5.66	0.75	2.00	32.74
13	2023-08-22 00:00:00	0.75	4.77	3.75	9.46	24.61	40.71	21.25
14	2023-08-23 00:00:00	0.70	6.11	4.94	12.25	26.78	43.78	32.91
15	2023-08-24 00:00:00	0.67	5.95	5.00	12.08	27.75	45.35	NA
16	2023-08-25 00:00:00	0.72	5.90	5.02	12.03	21.93	35.85	NA
17	2023-08-26 00:00:00	0.63	5.88	4.98	11.96	25.35	41.45	NA
18	2023-08-27 00:00:00	0.66	5.82	4.96	11.87	23.00	37.59	NA
19	2023-08-28 00:00:00	0.64	5.92	4.95	11.99	34.74	56.79	22.27
20	2023-08-29 00:00:00	0.64	6.20	4.92	12.33	39.40	64.41	24.13
21	2023-08-30 00:00:00	0.74	6.20	4.90	12.31	38.82	63.49	29.87
22	2023-08-31 00:00:00	0.65	6.22	4.91	12.35	42.13	68.84	33.52
23	2023-09-01 00:00:00	0.70	6.21	4.89	12.32	46.78	76.51	32.65
24	2023-09-02 00:00:00	1.19	6.19	4.92	12.31	47.86	78.28	35.42
25	2023-09-03 00:00:00	0.99	6.20	4.92	12.33	65.58	107.04	31.90
26	2023-09-04 00:00:00	0.70	6.18	4.87	12.28	46.92	77.07	35.69
27	2023-09-05 00:00:00	0.88	6.16	4.92	12.29	44.04	71.92	39.53
28	2023-09-06 00:00:00	0.86	6.17	4.89	12.28	59.53	96.85	28.27
29	2023-09-07 00:00:00	0.92	6.17	4.86	12.25	27.07	44.25	27.25
30	2023-09-08 00:00:00	1.13	6.19	4.90	12.31	29.18	47.77	26.68



# Real Time Data Acquisition And Monitoring

Site Name: M/s Scania Steels & Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd)

Report: Average Report

From Date: 01-09-2023T00:00:40Z To Date: 30-09-2023T00:00:52Z

Description	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 80	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.52	6.21	4.95	12.34	65.58	107.04	48.32
Minimum Data	0.66	6.08	4.85	12.18	17.23	28.14	24.33
Geometric Mean	0.88	6.18	4.9	12.28	34.85	56.96	33.75
Median	0.82	6.18	4.9	12.29	31.0	50.66	32.63
Standard Deviation	0.2	0.03	0.03	0.03	11.22	18.31	6.43
Maximum Value At Time	2023-09-15 00:00:00	2023-09-01 00:00:00	2023-09-19 00:00:00	2023-09-19 00:00:00	2023-09-03 00:00:00	2023-09-03 00:00:00	2023-09-28 00:00:00
Minimum Value At Time	2023-09-22 00:00:00	2023-09-27 00:00:00	2023-09-16 00:00:00	2023-09-27 00:00:00	2023-09-14 00:00:00	2023-09-14 00:00:00	2023-09-11 00:00:00
Valid Data Points	29	29	29	29	29	29	29
Total Data Points	29	29	29	29	29	29	29
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
1	2023-09-01 00:00:00	0.70	6.21	4.89	12.32	46.78	76.51	32.65
2	2023-09-02 00:00:00	1.19	6.19	4.92	12.31	47.86	78.28	35.42
3	2023-09-03 00:00:00	0.99	6.20	4.92	12.33	65.58	107.04	31.90
4	2023-09-04 00:00:00	0.70	6.18	4.87	12.28	46.92	77.07	35.69
5	2023-09-05 00:00:00	0.88	6.16	4.92	12.29	44.04	71.92	39.53
6	2023-09-06 00:00:00	0.86	6.17	4.89	12.28	59.53	96.85	28.27
7	2023-09-07 00:00:00	0.92	6.17	4.86	12.25	27.07	44.25	27.25
8	2023-09-08 00:00:00	1.13	6.19	4.90	12.31	29.18	47.77	26.68

SI No.	Time	AAQMS_1-CO(mg/m3)	AAQMS_1-NO(ug/m3)	AAQMS_1-NO2(ug/m3)	AAQMS_1-NOx(ug/m3)	AAQMS_1-PM2.5(ug/m3)	AAQMS_1-PM10(ug/m3)	AAQMS_1-SO2(ug/m3)
9	2023-09-09 00:00:00	1.26	6.17	4.92	12.31	40.00	65.34	26.90
10	2023-09-10 00:00:00	1.06	6.20	4.89	12.31	35.88	58.71	26.34
11	2023-09-11 00:00:00	0.72	6.18	4.87	12.28	37.96	62.00	24.33
12	2023-09-12 00:00:00	0.82	6.16	4.88	12.26	42.76	69.93	26.11
13	2023-09-13 00:00:00	0.78	6.17	4.90	12.29	25.65	41.91	28.81
14	2023-09-14 00:00:00	0.70	6.16	4.89	12.26	17.23	28.14	25.53
15	2023-09-15 00:00:00	1.52	6.18	4.86	12.26	25.88	42.32	29.16
16	2023-09-16 00:00:00	0.90	6.20	4.85	12.27	31.42	51.38	31.58
17	2023-09-17 00:00:00	0.68	6.19	4.90	12.30	30.73	50.23	35.38
18	2023-09-18 00:00:00	0.74	6.20	4.88	12.29	23.70	38.73	32.63
19	2023-09-19 00:00:00	0.77	6.20	4.95	12.34	30.47	49.81	36.83
20	2023-09-20 00:00:00	0.84	6.19	4.90	12.30	31.00	50.66	31.56
21	2023-09-21 00:00:00	0.79	6.19	4.91	12.32	26.33	43.03	30.93
22	2023-09-22 00:00:00	0.66	6.18	4.90	12.29	17.83	29.17	41.86
23	2023-09-23 00:00:00	0.72	6.18	4.87	12.26	39.17	64.04	43.47
24	2023-09-24 00:00:00	0.77	6.12	4.95	12.25	37.00	60.51	37.85
25	2023-09-25 00:00:00	0.92	6.19	4.88	12.28	37.13	60.69	42.03
26	2023-09-26 00:00:00	0.96	6.19	4.93	12.33	29.97	48.96	39.55
27	2023-09-27 00:00:00	0.88	6.08	4.92	12.18	24.58	40.16	40.98
28	2023-09-28 00:00:00	0.80	6.14	4.91	12.24	29.31	47.86	48.32
29	2023-09-29 00:00:00	0.74	6.20	4.85	12.27	29.76	48.62	41.20

## **ANNEXURE-5**

### **Fugitive Emission Monitoring Report (April - 2023 to September - 2023)**

# Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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CIN NO : U74210WB1989PTC047403

ANX-5

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011

## FUGITIVE EMISSION MONITORING RESULT

TABLE: - I				
Onsite Fugitive Emission Monitoring Results				
Location		Inside Product House		
(Period: April' 2023 To September,2023)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)
05.04.2023	125	60	21	19
08.04.2023	114	54	16	27
12.04.2023	136	61	22	16
15.04.2023	107	51	19	31
19.04.2023	90	40	15	22
22.04.2023	109	50	21	34
26.04.2023	117	50	18	23
29.04.2023	99	42	23	27
04.05.2023	106	48	16	30
07.05.2023	94	38	18	24
10.05.2023	100	46	16	18
13.05.2023	108	52	18	26
17.05.2023	123	58	15	20
20.05.2023	102	45	21	17
24.05.2023	133	60	14	19
27.05.2023	96	41	19	22
31.05.2023	113	53	21	18
03.06.2023	91	38	18	27
07.06.2023	117	51	12	17
10.06.2023	90	39	15	25
14.06.2023	103	43	12	18
17.06.2023	89	36	13	22
21.06.2023	100	39	15	26
24.06.2023	92	38	14	18
28.06.2023	104	37	17	29
05.07.2023	89	37	13	20
08.07.2023	92	40	18	23
12.07.2023	103	46	11	28
15.07.2023	91	35	15	15
19.07.2023	106	42	12	30
22.07.2023	95	40	18	25
26.07.2023	90	34	13	22
29.07.2023	120	43	16	17
05.08.2023	93	41	18	27
09.08.2023	127	43	21	23

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CIN NO : U74210WB1989PTC047403

ANX-5

DATE	PM <sub>10</sub> (µg/m3)	PM <sub>2.5</sub> (µg/m3)	SO <sub>2</sub> (µg/m3)	NO <sub>2</sub> (µg/m3)
12.08.2023	92	38	15	29
16.08.2023	102	36	18	19
19.08.2023	120	52	14	26
23.08.2023	97	39	16	15
26.08.2023	91	32	12	22
30.08.2023	107	40	16	25
06.09.2023	102	41	13	15
09.09.2023	95	37	15	20
13.09.2023	123	42	11	25
16.09.2023	92	46	13	16
20.09.2023	108	41	16	23
23.09.2023	134	46	12	19
27.09.2023	99	40	15	15
30.09.2023	121	38	13	22

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-5

TABLE: - 2				
Onsite Fugitive Emission Monitoring Results				
Location		Near ESP		
(Period: April' 2023 To September,2023)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
05.04.2023	139	68	22	37
08.04.2023	120	58	17	28
12.04.2023	129	58	24	34
15.04.2023	120	56	20	23
19.04.2023	133	64	18	35
22.04.2023	144	66	17	30
26.04.2023	117	55	19	26
29.04.2023	115	55	23	34
04.05.2023	129	63	17	27
07.05.2023	109	51	20	28
10.05.2023	119	55	16	25
13.05.2023	138	68	26	20
17.05.2023	121	59	23	23
20.05.2023	131	63	22	27
24.05.2023	119	54	20	33
27.05.2023	114	49	23	35
31.05.2023	139	67	22	27
03.06.2023	125	59	17	30
07.06.2023	109	49	21	23
10.06.2023	132	61	25	28
14.06.2023	114	49	18	22
17.06.2023	138	68	23	29
21.06.2023	125	58	21	32
24.06.2023	115	52	17	23
28.06.2023	130	61	24	27
05.07.2023	119	52	17	19
08.07.2023	109	47	22	31
12.07.2023	116	48	13	25
15.07.2023	108	48	15	21
19.07.2023	115	52	19	19
22.07.2023	110	47	14	22
26.07.2023	122	49	16	30
29.07.2023	106	39	15	23
05.08.2023	119	46	17	20
09.08.2023	111	50	13	28
12.08.2023	116	46	16	23
16.08.2023	110	47	19	19
19.08.2023	120	46	17	24
23.08.2023	109	48	14	32

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CIN NO : U74210WB1989PTC047403

ANX-5

DATE	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )
26.08.2023	115	46	19	26
30.08.2023	129	54	15	20
06.09.2023	108	49	13	28
09.09.2023	116	48	19	24
13.09.2023	109	39	16	26
16.09.2023	122	51	18	21
20.09.2023	108	48	15	32
23.09.2023	111	51	19	25
27.09.2023	120	50	23	22
30.09.2023	108	42	21	30

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-5

TABLE: - 3				
Onsite Fugitive Emission Monitoring Results				
Location		Near DRI Control Room		
(Period: April' 2023 To September,2023)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
05.04.2023	153	73	25	35
08.04.2023	139	65	19	28
12.04.2023	129	55	26	30
15.04.2023	134	62	22	41
19.04.2023	155	73	24	34
22.04.2023	136	61	20	46
26.04.2023	127	55	26	29
29.04.2023	120	48	22	38
04.05.2023	142	67	28	32
07.05.2023	128	55	24	40
10.05.2023	149	72	19	27
13.05.2023	143	64	27	29
17.05.2023	130	59	22	33
20.05.2023	141	66	28	28
24.05.2023	152	73	24	41
27.05.2023	133	59	21	35
31.05.2023	139	65	18	30
03.06.2023	122	51	29	28
07.06.2023	127	57	25	34
10.06.2023	124	50	21	32
14.06.2023	138	63	24	27
17.06.2023	131	58	27	36
21.06.2023	119	51	19	33
24.06.2023	121	48	26	38
28.06.2023	130	55	28	35
05.07.2023	123	58	23	40
08.07.2023	112	44	19	30
12.07.2023	113	49	18	27
15.07.2023	122	52	21	33
19.07.2023	110	39	20	28
22.07.2023	124	47	19	32
26.07.2023	119	52	18	27
29.07.2023	128	58	21	31
05.08.2023	114	43	18	27
09.08.2023	123	44	24	30
12.08.2023	116	46	19	32
16.08.2023	131	55	18	39
19.08.2023	110	39	15	29
23.08.2023	122	49	16	35

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CIN NO : U74210WB1989PTC047403

ANX-5

DATE	PM <sub>10</sub> (µg/m3)	PM <sub>2.5</sub> (µg/m3)	SO <sub>2</sub> (µg/m3)	NO <sub>2</sub> (µg/m3)
26.08.2023	114	42	20	28
30.08.2023	123	46	15	34
06.09.2023	109	44	17	30
09.09.2023	131	46	15	35
13.09.2023	118	52	20	37
16.09.2023	112	45	18	29
20.09.2023	126	43	16	34
23.09.2023	112	41	22	31
27.09.2023	109	38	18	35
30.09.2023	109	47	16	23

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

**ANNEXURE-6**  
**Cooling Discharge Water Analysis Report**  
**(April - 2023 to September - 2023)**

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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CIN NO : U74210WB1989PTC047403

ANX-6

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	20.04.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.0	5.5 - 9.0
2.	Total Suspended Solids	mg/l	37	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	72	250
5.	BOD (3 days at 27°C)	mg/l	4	30

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For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-6

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	20.05.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.6	5.5 - 9.0
2.	Total Suspended Solids	mg/l	48	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	63	250
5.	BOD (3 days at 27°C)	mg/l	5	30

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For ENVIROTECH EAST (P) LTD.



*[Signature]*

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CIN NO : U74210WB1989PTC047403

ANX-6

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	12.06.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.5	5.5 - 9.0
2.	Total Suspended Solids	mg/l	76	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	85	250
5.	BOD (3 days at 27°C)	mg/l	7	30

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*[Signature]*

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CIN NO : U74210WB1989PTC047403

ANX-6

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	17.07.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.0	5.5 - 9.0
2.	Total Suspended Solids	mg/l	55	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	68	250
5.	BOD (3 days at 27°C)	mg/l	6	30

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For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-6

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	10.08.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.4	5.5 - 9.0
2.	Total Suspended Solids	mg/l	66	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	83	250
5.	BOD (3 days at 27°C)	mg/l	8	30

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For ENVIROTECH EAST (P) LTD.



*[Signature]*

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CIN NO : U74210WB1989PTC047403

ANX-6

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	18.09.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.5	5.5 - 9.0
2.	Total Suspended Solids	mg/l	58	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	78	250
5.	BOD (3 days at 27°C)	mg/l	6	30

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For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

## **ANNEXURE-7**

### **Ground Water Analysis Report (April - 2023 to September - 2023)**

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



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CIN NO : U74210WB1989PTC047403

ANX-7

MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	20.04.2023
Location	(A)Borewell-2 water (at Project Site) (B) Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	5
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	7.2	6.9	6.5-8.5
6	Total Dissolved Solids	mg/L	125	117	500
7	Total Hardness (as CaCO3)	mg/L	92	80	200
8	Calcium ( as Ca )	mg/L	30	22	75
9	Magnesium ( as Mg )	mg/L	4	6	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	14	12	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	<0.05	<0.05	1
14	Copper ( as Cu )	mg/L	<0.05	<0.05	0.05
15	Manganese ( as Mn )	mg/L	<0.05	<0.05	0.1
16	Sulphate ( as SO4 )	mg/L	<2	<2	200
17	Nitrate ( as NO3 )	mg/L	1.5	1.2	45
18	Phenol Compounds ( as C6H5OH )	mg/L	<0.001	<0.001	0.001
19	Mercury ( as Hg )	mg/L	<0.001	<0.001	0.001
20	Cadmium ( as Cd )	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic ( as As )	mg/L	<0.002	<0.002	0.01
23	Cyanide ( as CN )	mg/L	<0.05	<0.05	0.05
24	Lead ( as Pb )	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc ( as Zn )	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity ( as CaCO3 )	mg/L	65	58	200
29	Iron ( as Fe )	mg/L	0.11	0.15	1.0
30	Total Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
31	Fecal Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
32	E.Coli	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample

BDL: Below Detectable Limit

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-7

MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	20.05.2023
Location	(A)Borewell-2 water (at Project Site) (B) Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	5
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	7.5	7.1	6.5-8.5
6	Total Dissolved Solids	mg/L	128	123	500
7	Total Hardness (as CaCO3)	mg/L	97	89	200
8	Calcium ( as Ca )	mg/L	26	29	75
9	Magnesium ( as Mg )	mg/L	8	4	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	18	15	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	<0.05	<0.05	1
14	Copper ( as Cu )	mg/L	<0.05	<0.05	0.05
15	Manganese ( as Mn )	mg/L	<0.05	<0.05	0.1
16	Sulphate ( as SO4 )	mg/L	<2	<2	200
17	Nitrate ( as NO3 )	mg/L	1.9	1.0	45
18	Phenol Compounds ( as C6H5OH )	mg/L	<0.001	<0.001	0.001
19	Mercury ( as Hg )	mg/L	<0.001	<0.001	0.001
20	Cadmium ( as Cd )	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic ( as As )	mg/L	<0.002	<0.002	0.01
23	Cyanide ( as CN )	mg/L	<0.05	<0.05	0.05
24	Lead ( as Pb )	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc ( as Zn )	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity ( as CaCO3 )	mg/L	70	46	200
29	Iron ( as Fe )	mg/L	0.16	0.08	1.0
30	Total Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
31	Fecal Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
32	E.Coli	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample

BDL: Below Detectable Limit

For ENVIROTECH EAST (P) LTD.



*[Signature]*

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CIN NO : U74210WB1989PTC047403

ANX-7

MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	12.06.2023
Location	(A) Borewell-2 water (at Project Site) (B) Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	5
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	7.0	6.8	6.5-8.5
6	Total Dissolved Solids	mg/L	124	110	500
7	Total Hardness (as CaCO <sub>3</sub> )	mg/L	97	92	200
8	Calcium ( as Ca )	mg/L	29	30	75
9	Magnesium ( as Mg )	mg/L	6	4	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	25	20	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	<0.05	<0.05	1
14	Copper ( as Cu )	mg/L	<0.05	<0.05	0.05
15	Manganese ( as Mn )	mg/L	<0.05	<0.05	0.1
16	Sulphate ( as SO <sub>4</sub> )	mg/L	<2	<2	200
17	Nitrate ( as NO <sub>3</sub> )	mg/L	1.8	1.4	45
18	Phenol Compounds ( as C <sub>6</sub> H <sub>5</sub> OH )	mg/L	<0.001	<0.001	0.001
19	Mercury ( as Hg )	mg/L	<0.001	<0.001	0.001
20	Cadmium ( as Cd )	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic ( as As )	mg/L	<0.002	<0.002	0.01
23	Cyanide ( as CN )	mg/L	<0.05	<0.05	0.05
24	Lead ( as Pb )	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc ( as Zn )	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity ( as CaCO <sub>3</sub> )	mg/L	66	63	200
29	Iron ( as Fe )	mg/L	0.48	0.41	1.0
30	Total Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
31	Fecal Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
32	E.Coli	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample

BDL: Below Detectable Limit

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-7

MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	17.07.2023
Location	(A)Borewell-2 water (at Project Site) (B) Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	5
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	6.7	6.8	6.5-8.5
6	Total Dissolved Solids	mg/L	105	97	500
7	Total Hardness (as CaCO3)	mg/L	78	72	200
8	Calcium ( as Ca )	mg/L	23	22	75
9	Magnesium ( as Mg )	mg/L	5	4	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	19	16	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	<0.05	<0.05	1
14	Copper ( as Cu )	mg/L	<0.05	<0.05	0.05
15	Manganese ( as Mn )	mg/L	<0.05	<0.05	0.1
16	Sulphate ( as SO4 )	mg/L	<2	<2	200
17	Nitrate ( as NO3 )	mg/L	2.1	1.8	45
18	Phenol Compounds ( as C6H5OH )	mg/L	<0.001	<0.001	0.001
19	Mercury ( as Hg )	mg/L	<0.001	<0.001	0.001
20	Cadmium ( as Cd )	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic ( as As )	mg/L	<0.002	<0.002	0.01
23	Cyanide ( as CN )	mg/L	<0.05	<0.05	0.05
24	Lead ( as Pb )	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc ( as Zn )	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity ( as CaCO3 )	mg/L	62	58	200
29	Iron ( as Fe )	mg/L	0.23	0.17	1.0
30	Total Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
31	Fecal Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
32	E.Coli	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample

BDL: Below Detectable Limit

For ENVIROTECH EAST (P) LTD.



*[Signature]*

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CIN NO : U74210WB1989PTC047403

ANX-7

MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	10.08.2023
Location	(A)Borewell-2 water (at Project Site) (B) Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	5
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	6.9	7.1	6.5-8.5
6	Total Dissolved Solids	mg/L	101	106	500
7	Total Hardness (as CaCO3)	mg/L	80	86	200
8	Calcium ( as Ca )	mg/L	27	26	75
9	Magnesium ( as Mg )	mg/L	3	5	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	16	21	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	<0.05	<0.05	1
14	Copper ( as Cu )	mg/L	<0.05	<0.05	0.05
15	Manganese ( as Mn )	mg/L	<0.05	<0.05	0.1
16	Sulphate ( as SO4 )	mg/L	<2	<2	200
17	Nitrate ( as NO3 )	mg/L	1.8	2.1	45
18	Phenol Compounds ( as C6H5OH )	mg/L	<0.001	<0.001	0.001
19	Mercury ( as Hg )	mg/L	<0.001	<0.001	0.001
20	Cadmium ( as Cd )	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic ( as As )	mg/L	<0.002	<0.002	0.01
23	Cyanide ( as CN )	mg/L	<0.05	<0.05	0.05
24	Lead ( as Pb )	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc ( as Zn )	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity ( as CaCO3 )	mg/L	56	52	200
29	Iron ( as Fe )	mg/L	0.18	0.14	1.0
30	Total Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
31	Fecal Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
32	E.Coli	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample

BDL: Below Detectable Limit

For ENVIROTECH EAST (P) LTD.

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MONITORING REPORT

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-7

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	18.09.2023
Location	(A)Borewell-2 water (at Project Site) (B) Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	5
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	7.1	6.6	6.5-8.5
6	Total Dissolved Solids	mg/L	94	101	500
7	Total Hardness (as CaCO3)	mg/L	63	73	200
8	Calcium ( as Ca )	mg/L	18	20	75
9	Magnesium ( as Mg )	mg/L	5	6	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	12	20	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	<0.05	<0.05	1
14	Copper ( as Cu )	mg/L	<0.05	<0.05	0.05
15	Manganese ( as Mn )	mg/L	<0.05	<0.05	0.1
16	Sulphate ( as SO4 )	mg/L	<2	<2	200
17	Nitrate ( as NO3 )	mg/L	1.5	1.9	45
18	Phenol Compounds ( as C6H5OH )	mg/L	<0.001	<0.001	0.001
19	Mercury ( as Hg )	mg/L	<0.001	<0.001	0.001
20	Cadmium ( as Cd )	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic ( as As )	mg/L	<0.002	<0.002	0.01
23	Cyanide ( as CN )	mg/L	<0.05	<0.05	0.05
24	Lead ( as Pb )	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc ( as Zn )	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity ( as CaCO3 )	mg/L	62	69	200
29	Iron ( as Fe )	mg/L	0.13	0.2	1.0
30	Total Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
31	Fecal Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
32	E.Coli	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample

BDL: Below Detectable Limit

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

## **ANNEXURE-8**

### **Noise Level Monitoring Report (April - 2023 to September - 2023)**

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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CIN NO : U74210WB1989PTC047403

ANX-8

NOISE LEVEL MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	15.04.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in $L_{eq}$ dB (A)
1.	In between DRI plant 1&2 and 3&4	59.0 - 73.4
2.	Near ADM Building	57.3 - 68.9
3.	Near Main Gate	55.6 - 69.7
4.	Near DRI Control Room	61.0 - 74.1
5.	Samaruma Village	57.0 - 62.9
6.	Panjipatra Village	53.1 - 68.3
7.	Parkipahari Village	51.1 - 59.1
8.	Near Raw Material Area	63.4 - 75.5
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-8

NOISE LEVEL MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	20.05.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in $L_{eq}$ dB (A)
1.	In between DRI plant 1&2 and 3&4	60.2 - 71.6
2.	Near ADM Building	56.4 - 68.7
3.	Near Main Gate	59.2 - 67.6
4.	Near DRI Control Room	70.1 - 77.2
5.	Samaruma Village	57.5 - 67.8
6.	Panjipatra Village	58.2 - 65.3
7.	Parkipahari Village	55.4 - 66.2
8.	Near Raw Material Area	65.6 - 73.6
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-8

NOISE LEVEL MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	15.06.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in $L_{eq}$ dB (A)
1.	In between DRI plant 1&2 and 3&4	63.4 - 74.1
2.	Near ADM Building	61.2 - 70.5
3.	Near Main Gate	62.5 - 65.8
4.	Near DRI Control Room	64.5 - 72.7
5.	Samaruma Village	56.8 - 63.3
6.	Panjipatra Village	57.2 - 67.4
7.	Parkipahari Village	55.1 - 65.9
8.	Near Raw Material Area	63.5 - 70.7
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accrediated by NABL, as per ISO/IEC 17025 :2017
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India  
☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: [eeplkol@gmail.com](mailto:eeplkol@gmail.com); [eeplkol2@gmail.com](mailto:eeplkol2@gmail.com)  
CIN NO : U74210WB1989PTC047403

ANX-8

NOISE LEVEL MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	10.07.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in $L_{eq}$ dB (A)
1.	In between DRI plant 1&2 and 3&4	62.5 - 70.5
2.	Near ADM Building	54.2 - 65.1
3.	Near Main Gate	57.3 - 66.2
4.	Near DRI Control Room	64.5 - 71.8
5.	Samaruma Village	55.1 - 60.3
6.	Panjipatra Village	52.0 - 64.6
7.	Parkipahari Village	53.2 - 60.6
8.	Near Raw Material Area	65.0 - 72.4
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accrediated by NABL, as per ISO/IEC 17025 :2017
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India  
☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: [eeplkol@gmail.com](mailto:eeplkol@gmail.com); [eeplkol2@gmail.com](mailto:eeplkol2@gmail.com)  
CIN NO : U74210WB1989PTC047403

ANX-8

NOISE LEVEL MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	14.08.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in $L_{eq}$ dB (A)
1.	In between DRI plant 1&2 and 3&4	68.2 - 73.9
2.	Near ADM Building	57.7 - 66.2
3.	Near Main Gate	52.9 - 67.5
4.	Near DRI Control Room	66.4 - 75.6
5.	Samaruma Village	52.8 - 60.0
6.	Panjipatra Village	53.1 - 68.4
7.	Parkipahari Village	58.1 - 49.6
8.	Near Raw Material Area	60.4 - 75.3
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Accredited by NABL, as per ISO/IEC 17025 :2017
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India

☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: [eeplkol@gmail.com](mailto:eeplkol@gmail.com); [eeplkol2@gmail.com](mailto:eeplkol2@gmail.com)

CIN NO : U74210WB1989PTC047403

ANX-8

No. 2022-23/EEPL/MON/SC/98

29.09.2022

NOISE LEVEL MONITORING REPORT

Name of Industry	M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	20.09.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in Leq dB (A)
1.	In between DRI plant 1&2 and 3&4	65.0 - 74.2
2.	Near ADM Building	58.3 - 68.5
3.	Near Main Gate	55.1 - 66.2
4.	Near DRI Control Room	68.8 - 73.8
5.	Samaruma Village	56.2 - 64.1
6.	Panjipatra Village	57.3 - 65.9
7.	Parkipahari Village	60.4 - 65.1
8.	Near Raw Material Area	64.7 - 77.4
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



*[Signature]*

(Authorized Signatory)

## **ANNEXURE-9**

# **ADVERTISEMENT ON LOCAL NEWSPAPERS FOR EC**

## ADVERTISEMENT ON LOCAL NEWSPAPERS FOR EC

## आम सूचना

सर्व साधारण को सूचित किया जाता है कि भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली के द्वारा पत्र क्रमांक **J110011/1267/2007-IA.II(I)** दिनांक 07 अगस्त 2018 के द्वारा हमारे प्लांट मेसर्स स्केनिया स्टील एंड पावर लिमिटेड, रायगढ़ इंटिग्रेटेड स्टील प्लांट के प्वावर प्लांट (स्पंज ऑयरन प्लांट 200 टी.पी.डी. स्टील मेल्टिंग शॉप-135000 टी.पी.ए. एवं वेस्ट हीट रिकवरी बॉयलर -8 मेगावॉट) को क्षमता विस्तार के तहत पर्यावरणीय स्वीकृति जारी की गई है, जो कि पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय के वेबसाइट में <http://envfor.nic.in> भी उपलब्ध है एवं छत्तीसगढ़ पर्यावरण संरक्षण मंडल में उपलब्ध है।

**मे.स्केनिया स्टील एंड पावर लिमिटेड**

22 कि.मी.स्टोन

घरघोड़ा रोड, पूंजीपथरा

जिला-रायगढ़ (छ.ग.)496011

स्थान में जगह बनाने अपनी

## आम सूचना

सर्व साधारण को सूचित किया जाता है कि भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली के द्वारा पत्र क्रमांक J-11011/1267/2007-IA.II(I) दिनांक 07 अगस्त 2018 के द्वारा हमारे प्लांट मेसर्स स्केनिया स्टील एंड पावर लिमिटेड, रायगढ़ इंटिग्रेटेड स्टील प्लांट केप्टीव पावर प्लांट ( स्पंज ऑयरन प्लांट 200 टी.पी.डी. स्टील मेल्टिंग शॉप-135000 टी.पी.ए. एवं वेस्ट हीट रिकवरी बॉयलर -8 मेगावॉट ) को क्षमता विस्तार के तहत पर्यावरणीय स्वीकृति जारी की गई है, जो कि पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय के वेबसाइट <http://envfor.nic.in> में भी उपलब्ध है एवं छत्तीसगढ़ पर्यावरण संरक्षण मंडल में उपलब्ध है।

**मे. स्केनिया स्टील एंड पावर लिमिटेड**

22 कि.मी. स्टोन

घरघोड़ा रोड, पूंजीपथरा

जिला-रायगढ़ ( छ.ग. ) 496011



## CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

PARYAVAS BHAWAN, NORTH BLOCK, SECTOR- 19,  
NAVA RAIPUR ATAL NAGAR, RAIPUR (C.G.) 492002

E-mail : hocecb@gmail.com, Ph. No. 0771-2512220

No. 7980/HSMD/HO/CECB/2024

Nava Raipur Atal Nagar, Date 08/01/2024

To,

**M/s Scania Steels & Powers Limited,  
(Formerly Known as - Sidhi Vinayak Sponge Iron Private Limited),  
22 KM Milestone, Gharghoda Road, Village-Punjipatra,  
District- Raigarh (C.G.)**

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

Ref:- Your online application no. 13320270 dated 30/07/2023 & subsequent correspondence ending dated 19/12/2023.

---00---

Chhattisgarh Environment Conservation Board had granted of authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 vide letter no. 4398/HSMD/HO/CECB/2018 dated 23/08/2018 for following hazardous waste, category and quantity subject to fulfillment of the terms and conditions mentioned therein. :-

S. No.	Name of Hazardous Waste	Category	Quantity/Year
1.	Used or Spent oil	(Schedule - I, Cat. No. 5.1)	5.0 KL/Annum

Industry, vide their online application no. 13320270 dated 30/07/2023 has requested for an amendment and subsequent renewal with respect to hazardous waste and their corresponding quantities mentioned therein. Based on the inspection report from R.O. Raigarh and after considering the application, facts and materials in records the board has decided to issue amendment and subsequent renewal of authorization with respect to hazardous wastes and their corresponding quantities mentioned below:-

S. No.	Name & Category of Hazardous Waste as per Schedules	Authorized mode of disposal or recycling or utilization or co- processing etc.	Quantity/Year
1.	Used or Spent oil (Schedule - I, Cat. No. 5.1)	Reuse/Sale to authorized recycler	5.0 KL/Annum
4.	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes (Schedule-I, Cat.No.- 33.1)	Sale to authorized recycler	42 MT/Annum
5.	Metal and metal-alloy wastes in metallic, non-dispersible form (Schedule-III, Part-D, Basel No. B1 B1010)	Utilization as Raw material/Sale to authorized recyclers	3000 MT/Annum

The amendment and renewal of authorization shall be valid for the period of **Five Years i.e. from 23/08/2023 to 22/08/2028**. The details of authorization along with terms & conditions are given as per below:

**FORM 2**  
**[See rule 6 (2)]**

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

1. Number of authorization **583/HO/HSMD/CECB/NAVA RAIPUR ATAL NAGAR, RAIPUR**
2. Reference of Online application no. **13320270** dated **30/07/2023** & subsequent correspondence ending dated **19/12/2023**.
3. The operator of facility i.e. occupier **M/s Scania Steels & Powers Limited, (Formerly Known as - Sidhi Vinayak Sponge Iron Private Limited), 22 KM Milestone, Gharghoda Road, Village-Punjipatra, District- Raigarh (C.G.)** is hereby granted an amendment and subsequent renewal of authorization based on the signed inspection report from RO for generation, storage, transportation, and incineration of hazardous wastes in the premises situated at **22 KM Milestone, Gharghoda Road, Village-Punjipatra, District- Raigarh (C.G.)**.

**Detail of Authorization**

S. No.	Name & Category of Hazardous Waste as per Schedules	Authorized mode of disposal or recycling or utilization or co- processing etc.	Quantity/Year
1.	Used or Spent oil (Schedule - I, Cat. No. 5.1)	Reuse/Sale to authorized recycler	5.0 KL/Annum
4.	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes (Schedule-I, Cat.No.- 33.1)	Sale to authorized recycler	42 MT/Annum
5.	Metal and metal-alloy wastes in metallic, non-dispersible form (Schedule-III, Part-D, Basel No. B1 B1010)	Utilization as Raw material/Sale to authorized recyclers	3000 MT/Annum

- (1) The amendment and renewal of authorization shall be valid for the period of Five Years i.e. from **23/08/2023 to 22/08/2028**.
- (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. At a time only one type/ Category of Hazardous waste shall be co-processed in the cement kiln. A log book of the waste co-process shall be maintained including emission monitoring result during co-processing.
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 of 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.

छत्तीसगढ़

**Member Secretary**

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

Endt. No. 7981/H.O./HSMD/CECB/2024

Nava Raipur Atal Nagar, Date 08/01/2024

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

Sd/-

**Member Secretary**

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

Signature Not Verified

Digitally Signed by : P Arun  
Prasad MS

Date: 2024.01.10 18:33:51 IST

Print

Close



**PUBLIC LIABILITY INSURANCE POLICY (UNDER  
PUBLIC LIABILITY ACT 1991)**

**[UIN:IRDAN123CP0072V01201819]**

THIS IS CLAIMS MADE BASIS POLICY - READ IT CAREFULLY

<b>CHOLAMANDALAM MS GENERAL INSURANCE COMPANY LTD.</b> <b>ADDRESS:</b> RAIPUR BRANCH OFFICE WARD NO - 25 (GRU GOVIND SINGH WARD), 2ND FLOOR, SIMRAN TOWERS, PANDRI ROAD, OPP - LIC BUILDING, RAIPUR - 492 001 RAIPUR H.O <b>CITY:</b> RAIPUR <b>STATE:</b> CHATTISGARH <b>GSTIN:</b> 22AABCC6633K1ZT	<b>GST Invoice No.:</b> 3120512081089 <b>DATE:</b> 06/05/2024 <b>PAN:</b> AABCC6633K <b>SAC Code:</b> 997139 <b>SAC Description:</b> Other non-life insurance services (excluding reinsurance services)
<b>Policy Issuing Office :</b> RAIPUR BRANCH OFFICE	<b>Broker / Agent :</b> 2005254796100001
<b>Policy Number :</b> 3120/00000463/000/01	<b>Customer Code :</b> 1013222681580001

<b>Name of Insured</b>	SCANIA STEELS AND POWERS LIMITED
<b>Address of Insured</b>	22 Km Stone,Gharghoda Road, Punjipatra Raigarh H.O, Raigarh Chattisgarh PIN-496001 GST No.: 22AAHCS4471R1ZT
<b>Policy Period</b>	From 12/05/2024 00:00 Hours to Midnight Hours 23:59 on 11/05/2025
<b>Premium Receipt</b>	1068267984, Date : 02/05/2024
<b>Business/ Profession</b>	Sponge iron manufacturing unit
<b>Policy Basis</b>	CLAIMS MADE BASIS
<b>Limit of Indemnity</b>	<b>AOY INR</b> 15,00,00,000.00 <b>AOA INR</b> 5,00,00,000.00
<b>Risk Location</b>	1. 22 Km Milestone Ghargoda Road, , Po Area - Raigarh, , Raigarh, Chattisgarh 496001
<b>Turnover</b>	INR 2,83,60,78,487.00
<b>Specific Terms and Conditions</b>	-
<b>Specific Exclusions</b>	1. Specific matter pandemic /communicable disease related claims absolutely
<b>Deductible</b>	NIL
<b>Jurisdiction</b>	India
<b>Territory</b>	India
<b>Retroactive Date</b>	12-05-2023
<b>Premium(Rs.)</b>	INR 28,440.00
<b>CGST (9%)</b>	INR 2,559.50
<b>SGST (9%)</b>	INR 2,559.50
<b>Kerala Cess (1%)(in Rs.)</b>	INR 0.00
<b>IGST (0%)</b>	INR 0.00
<b>Environment Relief Fund</b>	INR 28,440.00
<b>Amount Payable</b>	INR 61,999.00

IN WITNESS WHEREOF,the Insurer has caused this Policy to be executed and attested

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule and also as per Notification No. 13/2020-CT dated 21-03-2020. This policy schedule shall be in lieu of Tax Invoice and hence no separate GST invoice required In compliance with Rule 54(2) of CGST Rules, 2017.		
Consolidated Stamp Duty Paid Vide G.O. Rt No.114,Commercial Taxes and Registration (j1) Department, Tamil Nadu dated 08/03/2024.		
<b>Intermediary Name: IRM INSURANCE BROKERS PRIVATE LIMITED</b>		<b>POSP Name:</b>
<b>Code: 200525479610</b>	<b>Contact No: 9826175646</b>	

<b>Place</b> : Chennai	For Cholamandalam MS General Insurance Company Ltd.  K S Hg  K S Hg
<b>Date</b> : 06-05-2024	Authorised Signatory
Regd.&Head Office:Dare House, 2nd Floor, No.2, N.S.C Bose Road, Chennai-600 001, India CIN: U66030TN2001PLC047977   IRDAI Reg. No. 123	

10.111.5.52

Sl. No.	Office of the Ombudsman	Name of the Ombudsman and Contact Details	JURISDICTION
1	<b>AHMEDABAD</b>	Office of the Insurance Ombudsman, 2nd floor, Ambica House, Near C.U. Shah College, 5, Navyug Colony, Ashram Road, Ahmedabad – 380 014  Tel.:– 079–27546150/139, Fax:– 079–27546142  Email:– bimalokpal.ahmedabad@gbic.co.in	State of Gujarat and Union Territories of Dadra & Nagar Haveli and Daman and Diu.
2	<b>BENGALURU</b>	Office of the Insurance Ombudsman, Jeevan Soudha Building, PID No.57–27–N–19, Ground Floor, 19/19, 24th Main Road, JP Nagar, 1st Phase, Bengaluru–560 078. Tel.:– 080–26652048 / 26652049 Email:– bimalokpal.bengaluru@gbic.co.in	Karnataka.
3	<b>BHOPAL</b>	Office of the Insurance Ombudsman, Janak Vihar Complex, 2nd Floor, 6, Malviya Nagar, Opp.Airtel Office, Near	States of Madhya Pradesh and Chattisgarh.

		New Market, Bhopal – 462 033. Tel.:– 0755–2769200/201/202, Fax:– 0755–2769203  Email:– bimalokpalbhopal@gbic.co.in	
4	<b>BHUBANESHWAR</b>	Office of the Insurance Ombudsman, 62, Forest park, Bhubneshwar – 751 009.Tel.:– 0674–2596461 / 2596455, Fax:– 0674–2596429 –Email:– bimalokpal.bhubaneswar@gbic.co.in	State of Orissa.
5	<b>CHANDIGARH</b>	Office of the Insurance Ombudsman, S.C.O. No. 101, 102 & 103, 2nd Floor, Batra Building, Sector 17 – D, Chandigarh – 160 017.Tel.:– 0172– 2706196/5861 / 2706468, Fax:– 0172– 2708274, Email:– bimalokpal.chandigarh@gbic.co.in	States of Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir and Union territory of Chandigarh.
6	<b>CHENNAI</b>	Office of the Insurance Ombudsman, Fatima Akhtar Court, 4th Floor, 453 (old 312), Anna Salai, Teynampet, CHENNAI – 600 018.  Tel.:– 044-24333668 / 24335284, Fax:– 044–24333664, Email:– bimalokpal.chennai@gbic.co.in	State of Tamil Nadu and Union Territories – Pondicherry Town and Karaikal (which are part of Union Territory of Pondicherry).
7	<b>DELHI</b>	Office of the Insurance Ombudsman, 2/2 A, Universal Insurance Building, Asaf Ali Road, New Delhi – 110 002.Tel.:– 011– 23239611/7539/7532, Fax:– 011- 23230858, Email:– <a href="mailto:bimalokpal.delhi@gbic.co.in">bimalokpal.delhi@gbic.co.in</a>	State of Delhi
8	<b>ERNAKULAM</b>	Office of the Insurance Ombudsman, 2nd floor, Pulinat Building, Opp. Cochin Shipyards, M.G. Road, Ernakulam – 682 015.Tel.:– 0484–2358759/2359338, Fax:– 0484–2359336,  Email:– bimalokpal.ernakulam@gbic.co.in	Kerala, Lakshadweep, Mahe—a part of Pondicherry
9	<b>GUWAHATI</b>	Office of the Insurance Ombudsman, 'Jeevan Niveshi' ½, 5th Floor, Nr. Panbazar over bridge, S.S. Road, Guwahati – 781001(ASSAM).  Tel.:– 0361– 2132204 / 2132205, Fax:– 0361–2732937,  Email:– bimalokpal.guwahati@gbic.co.in	States of Assam, Meghalaya, Manipur, Mizoram, Arunachal Pradesh, Nagaland and Tripura.
10	<b>HYDERABAD</b>	Office of the Insurance Ombudsman, 6– 2–46, 1st floor, "Moin Court", Lane Opp. Saleem Function Palace, A. C. Guards, Lakdi-Ka-Pool, Hyderabad – 500 004. Tel.:– 040–65504123/23312122, Fax:– 040–23376599,  Email:– bimalokpal.hyderabad@gbic.co.in	States of Andhra Pradesh, Telangana and Union Territory of Yanam - a part of the Union Territory of Pondicherry.
11	<b>JAIPUR</b>	Office of the Insurance Ombudsman, Jeevan Nidhi-II Bldg., Ground Floor, Bhawani Singh Marg, Jaipur – 302005. Tel.:– 0141–2740363, Email:– <a href="mailto:bimalokpal.jaipur@gbic.co.in">bimalokpal.jaipur@gbic.co.in</a>	State of Rajasthan.
12	<b>KOLKATA</b>	Office of the Insurance Ombudsman,Hindustan Building Annexe, 4th floor, 4, CR Avenue, Kolkata – 700 072. Tel.:– 033–22124339 / 22124340, Fax:– 033–22124341,  Email:– bimalokpal.kolkata@gbic.co.in	States of West Bengal, Bihar, Sikkim and Union Territories of Andaman and Nicobar Islands.
13	<b>LUCKNOW</b>	Office of the Insurance Ombudsman, 6th Floor, Jeevan Bhawan, Phase-II, Nawal	District of Uttar Pradesh: Lalitpur, Jhansi, Mahoba,

		Kishore Road, Hazratganj, Lucknow-226 001. Tel.:– 0522-2231330 / 2231331, Fax:– 0522-2231310. Email:– bimalokpal.lucknow@gbic.co.in	Hamirpur, Banda, Chitrakoot, Allahabad, Mirzapur, Sonbhadra, Fatehpur, Pratapgarh, Jaunpur, Varansi, Gazipur, Jalaun, Kanpur, Lucknow, Unnao, Sitapur, Lakhimpur, Bahraich, Barabanki, Raebareli, Sravasti, Gonda, Faizabad, Amethi, Kaushambi, Balrampur, Basti, Ambedkarnagar, Sulampur, Maharajganj, Santkabirnagar, Azamgarh, Kaushinagar, Gorkhpur, Deoria, Mau, Chandauli, Ballia, Sidharathnagar.
14	<b>MUMBAI</b>	Office of the Insurance Ombudsman, 3rd Floor, Jeevan Seva Annexe, S. V. Road, Santacruz (W), Mumbai – 400 054. Tel.:– 022-26106928/360/889, Fax:– 022-26106052, Email:– bimalokpal.mumbai@gbic.co.in	States of Goa, Mumbai Metropolitan Region excluding Navi Mumbai & Thane.
15	<b>NOIDA</b>	Office of the Insurance Ombudsman, Bhagwan Sahai Palace, 4th Floor, Main Road, Naya Bans, Sector-15, Gautam Budh Nagar, Noida Email:– bimalokpal.noida@gbic.co.in	States of Uttaranchal and the following Districts of Uttar Pradesh: Agra, Aligarh, Bagpat, Bareilly, Bijnor, Budaun, Bulandshehar, Etah, Kanooj, Mainpuri, Mathura, Meerut, Moradabad, Muzaffarnagar, Oraiyya, Pilibhit, Etawah, Farrukhabad, Firozabad, Gautam Budh Nagar, Ghaziabad, Hardoi, Shahjahanpur, Hapur, Shamli, Rampur, Kashganj, Sambhal, Amroha, Hathras, Kanshiramnagar, Saharanpur.
16	<b>PATNA</b>	Office of the Insurance Ombudsman, 1st Floor, Kalpana Arcade Building, Bazar Samiti Road, Bahadurpur, Patna – 800 006. Email:– bimalokpal.patna@gbic.co.in	States of Bihar and Jharkhand.
17	<b>PUNE</b>	Office of the Insurance Ombudsman, Jeevan Darshan Building, 3rd Floor, CTS Nos. 195 to 198, NC Kelkar Road, Narayan Peth, Pune – 411 030 Tel: 020 – 32341320, Email:– bimalokpal.pune@gbic.co.in	States of Maharashtra, Area of Navi Mumbai and Thane excluding Mumbai Metropolitan Region. Bottom of Form

Cholamandalam MS General Insurance company Limited

HO: Dare House 2nd Floor, No. 2 NSC Bose Road, Chennai – 600 001.

Toll Free : 1800 208 5544

**CANCELLATION ENDORSEMENT**

Notwithstanding anything to the contrary mentioned in the policy or in any of the endorsements, it is hereby agreed and declared that

a. **We** may cancel this Policy by giving 30 days written notice of such cancellation to the last known address of the first named Insured and in such event **we** will return a pro-rata portion(subject to retaining the minimum premium, if any, prescribed under the policy) for the unexpired Policy Period.

b. This Policy may also be cancelled by **you** by giving 30 days written notice to **us** in which event **we** will retain premium at the short period scale stated below subject to retaining INR 2,500/- or the minimum premium, if any, prescribed under the policy, whichever is higher, provided that there has been no Claim under the Policy during the Policy Period in which case no refund of premium shall be allowed.

**Short Period Scale**

<b>Period (Not exceeding)</b>	<b>Rate</b>
1 week	10% of the Annual rate
1 Month	25% of the Annual rate
2 Months	35% of the Annual rate
3 Months	50% of the Annual rate
4 Months	60% of the Annual rate
6 Months	75% of the Annual rate
8 Months	85% of the Annual rate
Exceeding 8 Months	Full Annual Premium

The payment or tender of any unearned premium by us shall not be a condition precedent to the effectiveness of cancellation but such payment shall be made as soon as practicable.

All other terms and conditions remain unchanged

**Cholamandalam MS General Insurance Company Limited**

**PUBLIC LIABILITY INSURANCE POLICY  
(UNDER PUBLIC LIABILITY INSURANCE ACT 1991)**

**1. OPERATIVE CLAUSE**

Whereas the Insured Owner named in the schedule hereto and carrying on business described in the said schedule has applied to the Cholamandalam General Insurance Company Limited (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed there under.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions contained herein or endorsed hereon, the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said Act and the Rules framed thereunder.

**2. DEFINITIONS:**

a) **“ACT”** unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time.

b) **“Accident”** means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity.

c) **“Handling”** in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance;

d) **“Hazardous Substance”** means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act, 1986, and exceeding such quantity as may be specified, by notification, by the Central Government;

e) **“Owner”** means a person who owns, or has control over handling any hazardous substance at the time of accident and includes:

in the case of a firm any of its partners;

in the case of an association, any of its members, and

in the case of a company, any of its directors, managers, secretaries or other officers who is directly in charge of, and is responsible to the company for the conduct of the business of the company;

f) **“Turnover”** shall mean

- Manufacturing units-Annual Gross Sales of all goods including all levies and taxes
- Godowns/ warehouse owners-Total Annual rental receipts.
- Transport Operators-Total Annual freight receipts.
- Others-Total Annual gross receipts.

### **3. EXCLUSIONS:**

This Policy does not cover liability:

- (1) arising out of wilful or intentional non-compliance of any Statutory provisions.
- (2) in respect of fines, penalties, punitive and/or exemplary damages.
- (3) arising under any other legislation except in so far as provided for in Section 8 Sub Section (1) and (2) of the Act.
- (4) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody.
- (5) directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power;
- (6) directly or indirectly caused by or contributed to by.
  - a) ionizing radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel
  - b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

### **4. CONDITIONS:**

- (1) The Insured owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of applications forwarded by the Collector and all such additional information and or assistance that the company may require.
- (2) No admission, offer, promise or payments shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
- (3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
- (4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
- (5) If at the time of happening of any accident resulting in a claim under this policy there be any other insurance covering the same liability, then the Company shall not be liable to pay or contribute more than its ratable proportion of such liability.
- (6) This policy may be cancelled by the Insured Owner by giving 30 days notice in writing to the company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claims(s), failing which no refund of premium shall be allowable.

(7) This Policy may also be cancelled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a rateable proportion of the premium for the unexpired term from the date of cancellation.

(8) If the Company shall disclaim liability to the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for the practical purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.

(9) The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported, by any person on behalf of the Insured Owner and/or if the insurance has been continued in consequence of any material misstatement or non disclosure of any material information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.

(10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder or this Policy shall bear such specific meaning.

(11) Any dispute regarding interpretation of the terms, conditions and exceptions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.