



# 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

DATE: 23<sup>rd</sup> May, 2024

**The Deputy Director General of Forests (C),**  
Integrated Regional Office, Raiur,  
Ground Floor, Aranya Bhawan, North Block, Sector-19,  
Naya Raipur, Atal Nagar, Chhattisgarh - 490002

**Subject: Six Monthly Compliance Report for the period of October, 2023 to March, 2024 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 October, 2023 to March, 2024 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. Besides, Waste Heat Recovery Boiler has been recently installed and has been commissioned and is expected to be in operation shortly to utilize the waste heat to utilize the waste heat, generated from DRI kilns (4 Nos.) in steam generation, which in-turn is able to generate 8 MW power. 1x8T + 1x6T Induction Furnaces have been commissioned, but they are presently not in operation.

SL. NO.	CONDITIONS	STATUS AS ON 23.05.2024
<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	<b>Being complied.</b>

	capital expenditure in project mode. The project shall be completed in concurrence with the implementation of the expansion 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	<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>

	and three outside the plant area at an angle of 120° each), covering upwind and 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 / fugitive emissions for six months are attached as <b>Annexure-1</b>, <b>Annexures-3</b> and <b>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	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

	with six-monthly monitoring report.	<p>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 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 is being used in the WHR Boiler. Dolomitic 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;	<b>Complied.</b>			
f)	ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust	Being followed.			
<b>Complied.</b>					
Raw materials like Iron Ore, Coal, Dolomite, etc. are stored in the raw material yard from where they are					

	generation;	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> ,

		<p>Recharge shaft 40 m with filter media 4M*2M*2M Provided with proper drainage 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>Waste Heat Recovery Boiler has been recently installed and has been commissioned and is expected to be in operation shortly to utilize the waste heat, generated from DRI kilns (4 Nos.) in steam generation which in-turn is able to generate 8 MW power.</p> <p><b>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.	Shall be complied.
11)	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the	Within the existing plant area, greenbelt is present significantly. Out of the total plant area of 23.472 hectares (58 acres), the



	same including carbon sequestration including plantation.	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. 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	<b>Agreed and being complied.</b>

	data on their website and update the same periodically;	
e.	monitor the criteria pollutants level namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company;	<b>Being complied.</b>
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	<b>Agreed and shall be complied.</b>

	their presentation to the Expert Appraisal Committee. The commitment made by the project proponent to the issue raised during Public Hearing shall be 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 (October - 2023 to March - 2024)**

# Envirotech East Pvt. Limited

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

- Laboratory Recognized by MoEF&CC, Govt. of India
- 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	07.10.2023
Time of Sampling	10:30 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	Field Study of Stack(s)	Reference Method	Concentration
1	Temperature of emission (°C)	IS 11255 (Part 1)	103
2	Barometric Pressure (mmHg)	-	748
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.78
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	IS 11255 (Part 3)	93848
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)	IS 13270	8.3
E	Laboratory Test Result(s)		
7	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	US EPA, Method 7	-
9	Concentration of PM (mg/Nm <sup>3</sup> )	IS 11255 (Part 1)	23
10	Concentration of PM (mg/Nm <sup>3</sup> ) at 12% CO <sub>2</sub>	-	
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.		

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For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

Envirotech East Pvt. Limited

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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	07.10.2023
Time of Sampling	14:00 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	Field Study of Stack(s)		Reference Method	Concentration
1	Temperature of emission (°C)		IS 11255 (Part 1)	113
2	Barometric Pressure (mmHg)		-	748
3	Velocity of gas in duct (M/sec)		IS 11255 (Part 3)	11.2
4	Quantity of gas flow (Nm³/hr)		IS 11255 (Part 3)	99224
5	Concentration of CO (% V/V)		IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)		IS 13270	8.6
E	Laboratory Test Result(s)			
7	Concentration of SO <sub>2</sub> (mg/Nm³)		IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm³)		US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)		IS 11255 (Part 1)	27
10	Concentration of PM (mg/Nm³) at 12% CO <sub>2</sub>		-	
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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For ENVIROTECH EAST (P) LTD.



Signature

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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	10.11.2023
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	Field Study of Stack(s)	Reference Method	Concentration
1	Temperature of emission (°C)	IS 11255 (Part 1)	109
2	Barometric Pressure (mmHg)	-	749
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.1
4	Quantity of gas flow (Nm³/hr)	IS 11255 (Part 3)	94902
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO₂ (% V/V)	IS 13270	8.2
E	Laboratory Test Result(s)		
7	Concentration of SO₂ (mg/Nm³)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm³)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)	IS 11255 (Part 1)	21
10	Concentration of PM (mg/Nm³) at 12% CO₂	-	
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.		

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For ENVIROTECH EAST (P) LTD.



Signature

(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	10.11.2023
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	Field Study of Stack(s)		Reference Method	Concentration
1	Temperature of emission (°C)		IS 11255 (Part 1)	104
2	Barometric Pressure (mmHg)		-	749
3	Velocity of gas in duct (M/sec)		IS 11255 (Part 3)	10.7
4	Quantity of gas flow (Nm³/hr)		IS 11255 (Part 3)	92771
5	Concentration of CO (% V/V)		IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)		IS 13270	8.5
E	Laboratory Test Result(s)			
7	Concentration of SO <sub>2</sub> (mg/Nm³)		IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm³)		US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)		IS 11255 (Part 1)	26
10	Concentration of PM (mg/Nm³) at 12% CO <sub>2</sub>		-	
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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For ENVIROTECH EAST (P) LTD.



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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	15.12.2023
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>Field Study of Stack(s)</b>	<b>Reference Method</b>	<b>Concentration</b>
1	Temperature of emission (°C)	IS 11255 (Part 1)	117
2	Barometric Pressure (mmHg)	-	752
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.51
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	IS 11255 (Part 3)	88684
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)	IS 13270	8.4
<b>E</b>	<b>Laboratory Test Result(s)</b>		
7	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	US EPA, Method 7	-
9	Concentration of PM (mg/Nm <sup>3</sup> )	IS 11255 (Part 1)	26
10	Concentration of PM (mg/Nm <sup>3</sup> ) at 12% CO <sub>2</sub>	-	
<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.		

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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	15.12.2023
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	Field Study of Stack(s)		Reference Method	Concentration
1	Temperature of emission (°C)		IS 11255 (Part 1)	124
2	Barometric Pressure (mmHg)		-	752
3	Velocity of gas in duct (M/sec)		IS 11255 (Part 3)	11.58
4	Quantity of gas flow (Nm³/hr)		IS 11255 (Part 3)	95990
5	Concentration of CO (% V/V)		IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)		IS 13270	8.8
E	Laboratory Test Result(s)			
7	Concentration of SO <sub>2</sub> (mg/Nm³)		IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm³)		US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)		IS 11255 (Part 1)	25
10	Concentration of PM (mg/Nm³) at 12% CO <sub>2</sub>		-	
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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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	11.01.2024
Time of Sampling	10:25 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>Field Study of Stack(s)</b>	<b>Reference Method</b>	<b>Concentration</b>
1	Temperature of emission (°C)	IS 11255 (Part 1)	126
2	Barometric Pressure (mmHg)	-	755
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.7
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	IS 11255 (Part 3)	88872
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)	IS 13270	8.4
<b>E</b>	<b>Laboratory Test Result(s)</b>		
7	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	US EPA, Method 7	-
9	Concentration of PM (mg/Nm <sup>3</sup> )	IS 11255 (Part 1)	26
10	Concentration of PM (mg/Nm <sup>3</sup> ) at 12% CO <sub>2</sub>	-	
<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.		

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For ENVIROTECH EAST (P) LTD.



*[Signature]*

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CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/241

24.01.2023

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	11.01.2024
Time of Sampling	13:30 hrs;

<b>A.</b>	<b>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.</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.</b>	<b>Analysis/Characteristics of Stack</b>		
1	Fuel used	Coal	
2	Fuel consumption	1.1 T/hr.	
<b>D</b>	<b>Field Study of Stack(s)</b>	<b>Reference Method</b>	<b>Concentration</b>
1	Temperature of emission (°C)	IS 11255 (Part 1)	132
2	Barometric Pressure (mmHg)	-	755
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.4
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	IS 11255 (Part 3)	93339
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)	IS 13270	8.9
<b>E</b>	<b>Laboratory Test Result(s)</b>		
7	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )	US EPA, Method 7	-
9	Concentration of PM (mg/Nm <sup>3</sup> )	IS 11255 (Part 1)	25
10	Concentration of PM (mg/Nm <sup>3</sup> ) at 12% CO <sub>2</sub>	-	
<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 (3 & 4). Both the DRI Kilns (3 & 4) were in operation at the time of sampling.		

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For ENVIROTECH EAST (P) LTD.



*[Signature]*

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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	12.02.2024
Time of Sampling	10:30 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	Field Study of Stack(s)	Reference Method	Concentration
1	Temperature of emission (°C)	IS 11255 (Part 1)	128
2	Barometric Pressure (mmHg)	-	753
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.0
4	Quantity of gas flow (Nm³/hr)	IS 11255 (Part 3)	90496
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO₂ (% V/V)	IS 13270	8.1
E	Laboratory Test Result(s)		
7	Concentration of SO₂ (mg/Nm³)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm³)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)	IS 11255 (Part 1)	26
10	Concentration of PM (mg/Nm³) at 12% CO₂	-	
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.		

Note : - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation  
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)



# 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-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	12.02.2024
Time of Sampling	13:40 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	Field Study of Stack(s)		Reference Method	Concentration
1	Temperature of emission (°C)		IS 11255 (Part 1)	121
2	Barometric Pressure (mmHg)		-	753
3	Velocity of gas in duct (M/sec)		IS 11255 (Part 3)	11.1
4	Quantity of gas flow (Nm³/hr)		IS 11255 (Part 3)	92763
5	Concentration of CO (% V/V)		IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)		IS 13270	8.4
E	Laboratory Test Result(s)			
7	Concentration of SO <sub>2</sub> (mg/Nm³)		IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm³)		US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)		IS 11255 (Part 1)	25
10	Concentration of PM (mg/Nm³) at 12% CO <sub>2</sub>		-	
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.			

Note : - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation  
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

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	15.03.2024
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>Field Study of Stack(s)</b>	<b>Reference Method</b>	<b>Concentration</b>
1	Temperature of emission (°C)	IS 11255 (Part 1)	129
2	Barometric Pressure (mmHg)	-	748
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.46
4	Quantity of gas flow (Nm³/hr)	IS 11255 (Part 3)	93258
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)	IS 13270	8.5
<b>E</b>	<b>Laboratory Test Result(s)</b>		
7	Concentration of SO <sub>2</sub> (mg/Nm³)	IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm³)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)	IS 11255 (Part 1)	23
10	Concentration of PM (mg/Nm³) at 12% CO <sub>2</sub>	-	
<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.		

Note : - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation  
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)



# Envirotech East Pvt. Limited

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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	15.03.2024
Time of Sampling	13:40 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	Field Study of Stack(s)	Reference Method	Concentration
1	Temperature of emission (°C)	IS 11255 (Part 1)	130
2	Barometric Pressure (mmHg)	-	758
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.14
4	Quantity of gas flow (Nm³/hr)	IS 11255 (Part 3)	90506
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO <sub>2</sub> (% V/V)	IS 13270	8.6
E	Laboratory Test Result(s)		
7	Concentration of SO <sub>2</sub> (mg/Nm³)	IS 11255 (Part 2)	-
8	Concentration of NO <sub>x</sub> (mg/Nm³)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm³)	IS 11255 (Part 1)	27
10	Concentration of PM (mg/Nm³) at 12% CO <sub>2</sub>	-	
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.		

Note : - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation  
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

## **ANNEXURE-2**

### **Continuous stack emission monitoring Report (October - 2023 to March - 2024)**

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)
		0-500	0-250	0-1000	0-1000
range					
min		23.878	32.047	25.122	20.934
max		27.722	40.803	27.742	25.109
avg		27.386	32.845	27.397	24.849
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	02-10-2023 00:00	27.6	32.577	27.478	24.994
2	03-10-2023 00:00	27.592	32.412	27.349	24.925
3	04-10-2023 00:00	27.568	32.637	27.337	24.913
4	05-10-2023 00:00	27.498	32.991	27.742	25.062
5	06-10-2023 00:00	27.317	32.27	27.531	25.109
6	07-10-2023 00:00	27.64	32.776	27.336	24.869
7	08-10-2023 00:00	27.523	32.66	27.377	25
8	09-10-2023 00:00	27.508	32.63	27.478	25.099
9	10-10-2023 00:00	27.307	32.826	27.517	24.937
10	11-10-2023 00:00	27.558	32.291	27.585	24.978
11	12-10-2023 00:00	27.708	32.346	27.546	25.013
12	13-10-2023 00:00	27.352	32.597	27.519	25.01
13	14-10-2023 00:00	27.621	32.767	27.414	24.833
14	15-10-2023 00:00	27.322	32.424	27.496	25.001
15	16-10-2023 00:00	27.459	32.747	27.314	24.994
16	17-10-2023 00:00	27.337	32.047	27.478	24.913
17	18-10-2023 00:00	27.277	32.712	27.454	24.963
18	19-10-2023 00:00	27.489	32.594	27.582	24.893
19	20-10-2023 00:00	27.564	32.693	27.442	25.076

20	21-10-2023 00:00	27.526	32.759	27.517	24.917
21	22-10-2023 00:00	27.425	32.534	27.511	24.828
22	23-10-2023 00:00	27.584	32.237	27.516	25.054
23	24-10-2023 00:00	27.451	32.339	27.409	25.006
24	25-10-2023 00:00	27.499	32.669	27.611	25.069
25	26-10-2023 00:00	27.644	32.777	27.501	25.018
26	27-10-2023 00:00	27.552	32.75	27.515	24.982
27	28-10-2023 00:00	27.55	32.414	27.479	25.029
28	29-10-2023 00:00	27.506	32.391	27.334	25.023
29	30-10-2023 00:00	27.722	32.684	27.431	25.03
30	31-10-2023 00:00	23.878	40.803	25.122	20.934

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_Iron2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron2x100_TPD_DRI_3and4Kiln(SO2)
range	0-500	0-250	0-1000	0-1000
min	27.385	32.271	27.378	24.931
max	27.665	32.555	27.709	25.067
avg	27.498	32.402	27.519	25.007

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_Iron2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron2x100_TPD_DRI_3and4Kiln(SO2)
1	01-11-2023 00:00	26.706	32.293	27.576	25.494
2	02-11-2023 00:00	27.438	31.51	27.617	25.986
3	03-11-2023 00:00	27.398	32.116	27.544	25.086
4	04-11-2023 00:00	25.97	31.421	27.201	24.871
5	05-11-2023 00:00	28.542	32.596	27.865	25.114
6	06-11-2023 00:00	27.109	31.884	26.711	25.032
7	07-11-2023 00:00	27.74	32.87	27.307	25.207
8	08-11-2023 00:00	28.249	32.862	26.776	24.734
9	09-11-2023 00:00	27.905	32.426	28.064	24.554

10	10-11-2023 00:00	27.92	35.295	27.218	24.925
11	11-11-2023 00:00	27.956	32.574	27.871	25.308
12	12-11-2023 00:00	28.171	31.557	27.959	25.174
13	13-11-2023 00:00	27.661	34.367	27.875	24.711
14	14-11-2023 00:00	28.142	32.217	27.62	25.483
15	15-11-2023 00:00	26.943	32.775	27.547	25.594
16	16-11-2023 00:00	26.868	32.761	27.852	24.779
17	17-11-2023 00:00	27.345	33.37	27.246	25.601
18	18-11-2023 00:00	27.718	31.686	27.11	25.097
19	19-11-2023 00:00	26.374	32.032	28.015	24.984
20	20-11-2023 00:00	28.825	31.79	27.472	24.996
21	21-11-2023 00:00	27.304	31.992	27.652	24.907
22	22-11-2023 00:00	26.382	32.051	27.266	24.777
23	23-11-2023 00:00	27.556	32.156	28.046	25.087
24	24-11-2023 00:00	26.706	32.293	27.576	25.494
25	25-11-2023 00:00	27.438	31.51	27.617	25.986
26	26-11-2023 00:00	27.398	32.116	27.544	25.086
27	27-11-2023 00:00	25.97	31.421	27.201	24.871
28	28-11-2023 00:00	28.542	32.596	27.865	25.114
29	29-11-2023 00:00	27.109	31.884	26.711	25.032
30	30-11-2023 00:00	27.74	32.87	27.307	25.207

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	27.385	32.271	27.378	24.931
max	27.665	32.555	27.709	25.067
avg	27.498	32.402	27.519	25.007

SL	datentime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2	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)
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		(PM)			
1	02-12-2023 00:00	27.47	32.271	27.498	24.972
2	03-12-2023 00:00	27.421	32.363	27.508	24.94
3	04-12-2023 00:00	27.553	32.461	27.459	25.013
4	05-12-2023 00:00	27.519	32.453	27.563	25.03
5	06-12-2023 00:00	27.665	32.309	27.378	25.014
6	07-12-2023 00:00	27.401	32.277	27.472	25.01
7	08-12-2023 00:00	27.556	32.402	27.581	25.067
8	09-12-2023 00:00	27.385	32.555	27.489	24.988
9	10-12-2023 00:00	27.523	32.36	27.445	25.064
10	11-12-2023 00:00	27.524	32.542	27.709	25.052
11	12-12-2023 00:00	27.467	32.433	27.605	24.931
12	13-12-2023 00:00	28.731	33.554	27.806	25.101
13	14-12-2023 00:00	27.62	33.706	27.829	25.319
14	15-12-2023 00:00	26.19	33.345	27.76	25.055
15	16-12-2023 00:00	27.465	32.093	27.065	24.48
16	17-12-2023 00:00	27.344	32.305	27.868	24.729
17	18-12-2023 00:00	27.968	33.828	27.795	25.429
18	19-12-2023 00:00	27.576	32.024	27.326	25.295
19	20-12-2023 00:00	27.959	32.708	27.674	25.329
20	21-12-2023 00:00	28.797	31.519	26.832	25.051
21	22-12-2023 00:00	27.684	32.823	27.247	25.044
22	23-12-2023 00:00	27.317	32.241	27.458	24.59
23	24-12-2023 00:00	27.718	32.277	27.276	25.607
24	25-12-2023 00:00	26.922	31.38	28.151	25.118
25	26-12-2023 00:00	27.578	32.421	28.101	24.848
26	27-12-2023 00:00	27.68	32.949	27.458	24.695
27	28-12-2023 00:00	28.731	33.554	27.806	25.101
28	29-12-2023 00:00	27.62	33.706	27.829	25.319
29	30-12-2023 00:00	26.19	33.345	27.76	25.055
30	31-12-2023 00:00	27.465	32.093	27.065	24.48

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	27.243	32.03	22.887	20.661	
max	31.921	37.196	27.831	25.204	
avg	27.542	32.554	27.467	24.966	
SL	datentime	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	02-01-2024 00:00	27.559	32.375	27.337	25
2	03-01-2024 00:00	27.38	32.397	27.618	25.08
3	04-01-2024 00:00	27.5	32.356	27.559	24.909
4	05-01-2024 00:00	27.565	32.429	27.452	25.095
5	06-01-2024 00:00	27.446	32.431	27.343	24.993
6	07-01-2024 00:00	27.558	32.7	27.537	24.963
7	08-01-2024 00:00	27.427	32.72	27.53	25.069
8	09-01-2024 00:00	27.604	32.371	27.518	24.943
9	10-01-2024 00:00	27.54	32.835	27.472	24.962
10	11-01-2024 00:00	27.776	32.618	27.622	25.03
11	12-01-2024 00:00	27.646	32.458	27.503	25.007
12	13-01-2024 00:00	27.358	32.578	27.6	24.967
13	14-01-2024 00:00	27.63	32.62	27.485	25.137
14	15-01-2024 00:00	27.537	32.353	27.616	24.945
15	16-01-2024 00:00	27.688	32.831	27.686	25.075
16	17-01-2024 00:00	27.518	32.732	27.433	25.093
17	18-01-2024 00:00	27.69	32.363	27.638	25.079
18	19-01-2024 00:00	27.821	32.409	27.408	24.904
19	20-01-2024 00:00	27.718	32.35	27.471	24.935
20	21-01-2024 00:00	27.519	32.367	27.36	25.049
21	22-01-2024 00:00	27.334	32.288	27.548	24.941
22	23-01-2024 00:00	27.385	32.708	27.627	24.982

23	24-01-2024 00:00	27.625	32.822	27.621	25.089
24	25-01-2024 00:00	27.293	32.467	27.594	25.074
25	26-01-2024 00:00	27.342	32.792	27.366	25.105
26	27-01-2024 00:00	27.582	32.615	27.42	25.066
27	28-01-2024 00:00	27.363	32.313	27.661	25.035
28	29-01-2024 00:00	27.462	32.556	27.437	24.978
29	30-01-2024 00:00	27.471	32.376	27.655	25.037
30	31-01-2024 00:00	27.505	32.655	27.429	25.204
31	01-02-2024 00:00	27.543	32.457	27.601	25.154
32	02-02-2024 00:00	27.53	32.031	27.383	24.914
33	03-02-2024 00:00	27.345	32.728	27.624	25.031
34	04-02-2024 00:00	27.404	32.389	27.803	25.016
35	05-02-2024 00:00	27.417	32.367	27.509	24.879
36	06-02-2024 00:00	27.568	32.832	27.445	24.84
37	07-02-2024 00:00	27.41	32.766	27.722	25.007
38	08-02-2024 00:00	27.561	32.508	27.575	25.041
39	09-02-2024 00:00	27.243	32.196	27.56	24.999
40	10-02-2024 00:00	27.623	32.858	27.401	25.044
41	11-02-2024 00:00	27.594	32.459	27.6	24.997
42	12-02-2024 00:00	27.601	32.373	27.388	24.934
43	13-02-2024 00:00	27.562	32.267	27.262	24.951
44	14-02-2024 00:00	27.633	32.362	27.504	24.833
45	15-02-2024 00:00	27.485	32.456	27.404	25.068
46	16-02-2024 00:00	27.474	32.653	27.6	25.004
47	17-02-2024 00:00	27.421	32.397	27.351	25.022
48	18-02-2024 00:00	27.566	32.628	27.498	25.056
49	19-02-2024 00:00	27.678	32.55	27.57	25.017
50	20-02-2024 00:00	27.632	32.37	27.418	24.989
51	21-02-2024 00:00	27.555	32.682	27.262	24.99
52	22-02-2024 00:00	27.431	32.578	27.364	24.969
53	23-02-2024 00:00	27.588	32.396	27.522	25.084
54	24-02-2024 00:00	27.702	32.268	27.398	24.992
55	25-02-2024 00:00	27.501	32.939	27.562	25.101
56	26-02-2024 00:00	27.466	32.334	27.375	24.926
57	27-02-2024 00:00	27.553	32.338	27.432	25.038
58	28-02-2024 00:00	27.552	33.032	27.429	25.026
59	29-02-2024 00:00	27.326	32.766	27.422	24.987
60	01-03-2024 00:00	27.496	32.317	27.283	24.98
61	02-03-2024 00:00	27.817	32.455	27.564	25.049
62	03-03-2024 00:00	27.452	32.934	27.526	24.905
63	04-03-2024 00:00	27.515	32.651	27.616	25.138
64	05-03-2024 00:00	27.581	32.03	27.511	24.862
65	06-03-2024 00:00	27.357	32.573	27.581	25.09
66	07-03-2024 00:00	27.54	32.86	27.55	25.085
67	08-03-2024 00:00	27.629	32.715	27.422	24.915
68	09-03-2024 00:00	27.561	32.544	27.388	24.981



69	10-03-2024 00:00	27.44	32.322	27.631	24.978
70	11-03-2024 00:00	27.46	32.479	27.469	24.955
71	12-03-2024 00:00	27.403	32.562	27.564	25.04
72	13-03-2024 00:00	27.438	32.355	27.575	25.109
73	14-03-2024 00:00	27.598	32.277	27.477	24.942
74	15-03-2024 00:00	27.637	32.535	27.538	24.948
75	16-03-2024 00:00	27.348	32.296	27.458	25.133
76	17-03-2024 00:00	27.413	32.406	27.621	24.915
77	18-03-2024 00:00	27.457	32.698	27.649	24.969
78	19-03-2024 00:00	27.553	32.626	27.398	25.01
79	20-03-2024 00:00	27.523	32.636	27.731	25.065
80	21-03-2024 00:00	27.48	32.46	27.386	25.042
81	22-03-2024 00:00	27.489	32.431	27.724	24.956
82	23-03-2024 00:00	27.479	32.373	27.552	24.941
83	24-03-2024 00:00	27.451	32.581	27.405	24.982
84	25-03-2024 00:00	27.485	32.66	27.54	24.943
85	26-03-2024 00:00	27.497	32.356	27.479	24.95
86	27-03-2024 00:00	27.441	32.641	27.43	25.004
87	28-03-2024 00:00	NA	NA	NA	NA
88	29-03-2024 00:00	27.295	32.482	27.629	24.918
89	30-03-2024 00:00	27.634	32.615	27.4	25.113
90	31-03-2024 00:00	27.595	32.528	27.572	24.995

## **ANNEXURE-3**

### **Ambient Air Quality Monitoring Report (October, 2023 to March, 2024)**

# Envirotech East Pvt. Limited

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

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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: October, 2023 To March, 2024)				
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)
03.10.2023	68	30	11	15
05.10.2023	78	37	9	17
09.10.2023	70	32	10	14
12.10.2023	88	43	13	23
16.10.2023	73	34	9	17
19.10.2023	77	37	14	22
23.10.2023	68	31	11	19
26.10.2023	64	28	9	16
02.11.2023	75	34	12	14
06.11.2023	67	28	10	18
09.11.2023	72	33	13	25
13.11.2023	66	29	11	16
16.11.2023	88	42	9	21
20.11.2023	80	38	13	16
23.11.2023	73	34	10	14
27.11.2023	78	36	15	18
04.12.2023	84	40	12	15
07.12.2023	78	35	9	22
11.12.2023	61	27	12	15
14.12.2023	69	32	14	21
18.12.2023	64	29	9	16
21.12.2023	75	34	13	23
25.12.2023	83	40	12	19
28.12.2023	70	34	16	14
01.01.2024	62	27	9	21
04.01.2024	85	42	11	15
08.01.2024	80	37	16	17
11.01.2024	74	33	10	14

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CIN NO : U74210WB1989PTC047403

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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)
15.01.2024	69	28	14	20
18.01.2024	82	39	11	18
22.01.2024	88	42	16	23
25.01.2024	73	30	12	16
01.02.2024	88	43	14	20
04.02.2024	76	36	10	15
08.02.2024	81	39	15	27
12.02.2024	72	33	12	18
15.02.2024	82	40	9	14
19.02.2024	87	42	13	19
22.02.2024	69	31	15	23
26.02.2024	76	36	12	26
04.03.2024	82	39	9	21
07.03.2024	61	27	18	14
11.03.2024	68	31	13	20
14.03.2024	88	42	11	23
18.03.2024	76	36	15	17
21.03.2024	73	32	13	25
25.03.2024	65	29	17	16
28.03.2024	82	40	9	21

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - 2				
Onsite Ambient Air Quality Monitoring Results				
Location		Samaruma Village		
(Period: October, 2023 To March, 2024)				
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> )
03.10.2023	58	25	6	12
05.10.2023	73	33	11	16
09.10.2023	69	30	8	13
12.10.2023	57	27	10	18
16.10.2023	62	27	9	16
19.10.2023	71	33	6	14
23.10.2023	64	29	8	21
26.10.2023	59	25	10	12
02.11.2023	66	31	9	16
06.11.2023	56	25	7	18
09.11.2023	66	30	10	20
13.11.2023	77	36	9	13
16.11.2023	64	29	6	20
20.11.2023	57	25	7	23
23.11.2023	68	32	8	16
27.11.2023	61	27	10	22
04.12.2023	69	32	6	18
07.12.2023	64	30	10	20
11.12.2023	57	24	8	15
14.12.2023	70	34	7	12
18.12.2023	77	36	11	17
21.12.2023	61	26	8	12
25.12.2023	66	30	10	20
28.12.2023	63	27	7	14
01.01.2024	69	32	8	19
04.01.2024	57	26	6	17
08.01.2024	67	31	10	22
11.01.2024	55	24	6	15
15.01.2024	71	33	11	20
18.01.2024	63	28	7	13

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> )
22.01.2024	54	23	9	19
25.01.2024	70	33	11	15
01.02.2024	64	30	6	18
04.02.2024	55	24	11	14
08.02.2024	60	27	6	22
12.02.2024	73	34	8	15
15.02.2024	65	29	7	20
19.02.2024	59	27	10	14
22.02.2024	70	32	6	22
26.02.2024	54	24	9	16
04.03.2024	60	27	10	13
07.03.2024	71	34	7	17
11.03.2024	57	22	8	19
14.03.2024	66	30	6	14
18.03.2024	64	28	8	17
21.03.2024	75	36	7	14
25.03.2024	62	28	10	22
28.03.2024	58	28	7	15

For ENVIROTECH EAST (P) LTD.



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CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - 3				
Onsite Ambient Air Quality Monitoring Results				
Location   Parkipahari Village				
(Period: October, 2023 To March, 2024)				
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> )
04.10.2023	63	28	6	16
06.10.2023	54	21	5	19
10.10.2023	60	28	10	24
13.10.2023	55	20	4	13
17.10.2023	71	33	5	16
20.10.2023	54	19	6	14
24.10.2023	60	27	4	11
27.10.2023	55	24	5	19
03.11.2023	63	29	6	15
07.11.2023	54	21	4	11
10.11.2023	65	31	8	18
14.11.2023	50	20	6	14
17.11.2023	55	25	4	19
21.11.2023	63	29	5	11
24.11.2023	56	24	7	13
28.11.2023	65	29	5	19
05.12.2023	53	23	6	15
08.12.2023	63	30	8	11
12.12.2023	51	20	5	16
15.12.2023	60	28	6	22
19.12.2023	55	26	4	14
22.12.2023	52	23	7	16
26.12.2023	64	29	5	11
29.12.2023	55	24	4	14
02.01.2024	51	22	8	13
05.01.2024	63	27	6	10
09.01.2024	54	24	4	17
12.01.2024	56	26	6	13
16.01.2024	50	20	7	11
19.01.2024	60	28	5	15

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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> )
23.01.2024	51	21	8	12
26.01.2024	54	24	5	23
02.02.2024	63	29	9	15
05.02.2024	57	22	7	18
09.02.2024	50	19	4	13
13.02.2024	53	24	6	17
16.02.2024	64	29	10	14
20.02.2024	56	22	7	22
23.02.2024	52	21	9	11
27.02.2024	66	30	4	17
05.03.2024	62	27	10	10
08.03.2024	69	32	6	22
12.03.2024	50	20	7	13
15.03.2024	54	23	5	20
19.03.2024	62	27	6	16
22.03.2024	56	24	10	13
26.03.2024	73	34	5	20
29.03.2024	68	30	8	15

For ENVIROTECH EAST (P) LTD.



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CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - 4				
Onsite Ambient Air Quality Monitoring Results				
Location   Punjipatra Village				
(Period: October, 2023 To March, 2024)				
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> )
04.10.2023	60	26	8	15
06.10.2023	65	31	11	19
10.10.2023	57	25	7	16
13.10.2023	62	29	11	22
17.10.2023	58	27	9	14
20.10.2023	70	34	8	20
24.10.2023	64	29	10	15
27.10.2023	61	26	7	20
03.11.2023	59	28	8	13
07.11.2023	60	28	13	17
10.11.2023	56	27	10	15
14.11.2023	63	30	7	25
17.11.2023	56	25	8	17
21.11.2023	57	27	7	14
24.11.2023	69	32	9	25
28.11.2023	60	26	14	16
05.12.2023	75	36	10	13
08.12.2023	58	26	7	27
12.12.2023	73	34	12	20
15.12.2023	61	27	14	14
19.12.2023	84	40	7	21
22.12.2023	63	29	9	16
26.12.2023	77	36	10	27
29.12.2023	64	29	8	14
02.01.2024	58	25	7	18
05.01.2024	66	30	9	32
09.01.2024	80	39	11	19
12.01.2024	65	29	10	13
16.01.2024	74	34	13	20
19.01.2024	59	27	9	16

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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> )
23.01.2024	63	30	10	21
26.01.2024	71	33	9	15
02.02.2024	61	29	13	22
05.02.2024	74	36	15	17
09.02.2024	83	40	10	14
13.02.2024	62	28	13	24
16.02.2024	79	37	12	19
20.02.2024	82	39	9	21
23.02.2024	74	33	10	18
27.02.2024	79	38	7	13
05.03.2024	66	30	8	15
08.03.2024	59	28	11	26
12.03.2024	82	40	9	14
15.03.2024	70	32	7	23
19.03.2024	81	37	8	19
22.03.2024	76	33	7	25
26.03.2024	84	40	10	20
29.03.2024	67	30	8	27

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

Envirotech East Pvt. Limited

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

- Laboratory Recognized by MoEF&CC, Govt. of India
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



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CIN NO : U74210WB1989PTC047403

ANX-3

Table 1		Statistical Analysis of Pollutants				
		(Period: October, 2023 To March, 2024)				
Pollutants	Locations	MES	Min	Max	A.M.	P - 98
PM <sub>10</sub> (µg/m <sup>3</sup> )	Project Site	48	61	88	75.2	88.0
	Samaruma Village	48	54	77	64.0	77.0
	Parkipahari Village	48	50	73	58.1	71.1
	Punjipatra Village	48	56	84	67.6	84.0
	Overall	192	50	88	66.2	-
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Project Site	48	27	43	34.8	43.1
	Samaruma Village	48	22	36	29.1	36.2
	Parkipahari Village	48	19	34	25.3	33.4
	Punjipatra Village	48	25	40	31.4	40.3
	Overall	192	19	43	30.1	-
SO <sub>2</sub> (µg/m <sup>3</sup> )	Project Site	48	9	18	12.1	17.1
	Samaruma Village	48	6	11	8.2	11.0
	Parkipahari Village	48	4	10	6.2	10.0
	Punjipatra Village	48	7	15	9.6	14.1
	Overall	192	4	18	9.0	-
NO <sub>2</sub> (µg/m <sup>3</sup> )	Project Site	48	14	27	18.6	26.1
	Samaruma Village	48	12	23	16.9	22.1
	Parkipahari Village	48	10	24	15.4	23.1
	Punjipatra Village	48	13	32	18.9	27.3
	Overall	192	10	32	17.4	-

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

# Envirotech East Pvt. Limited

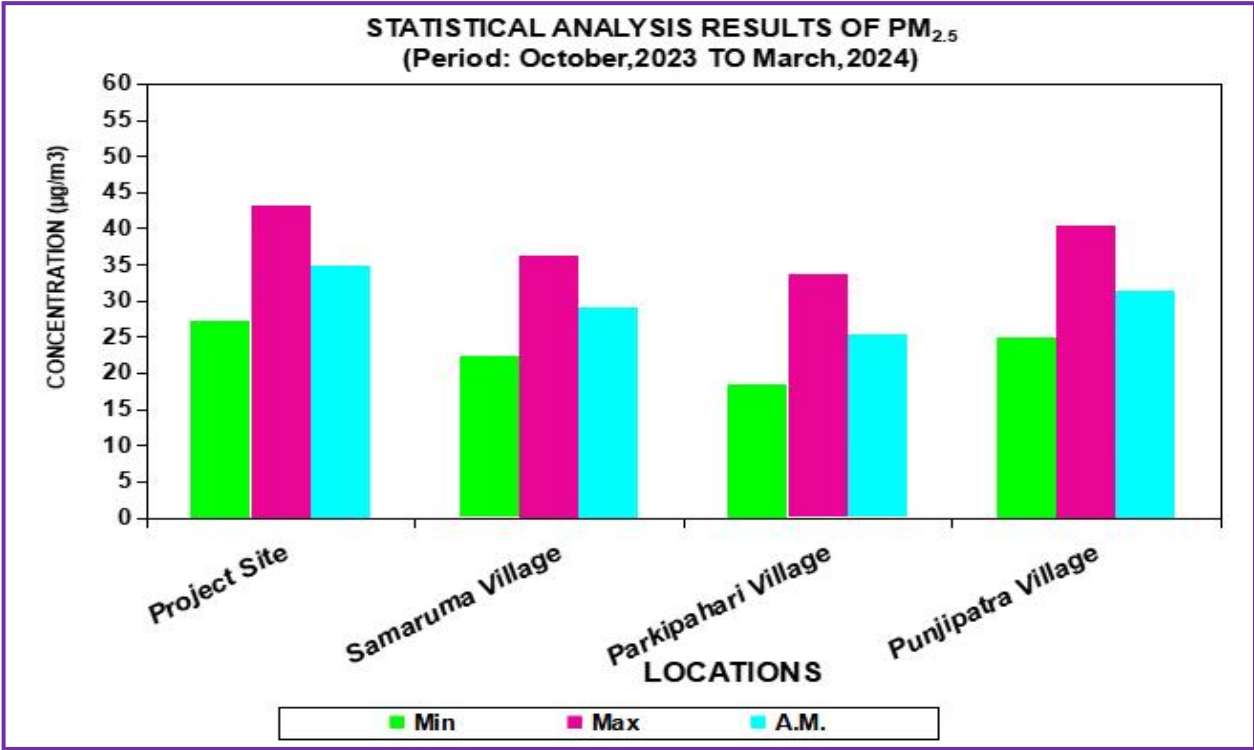
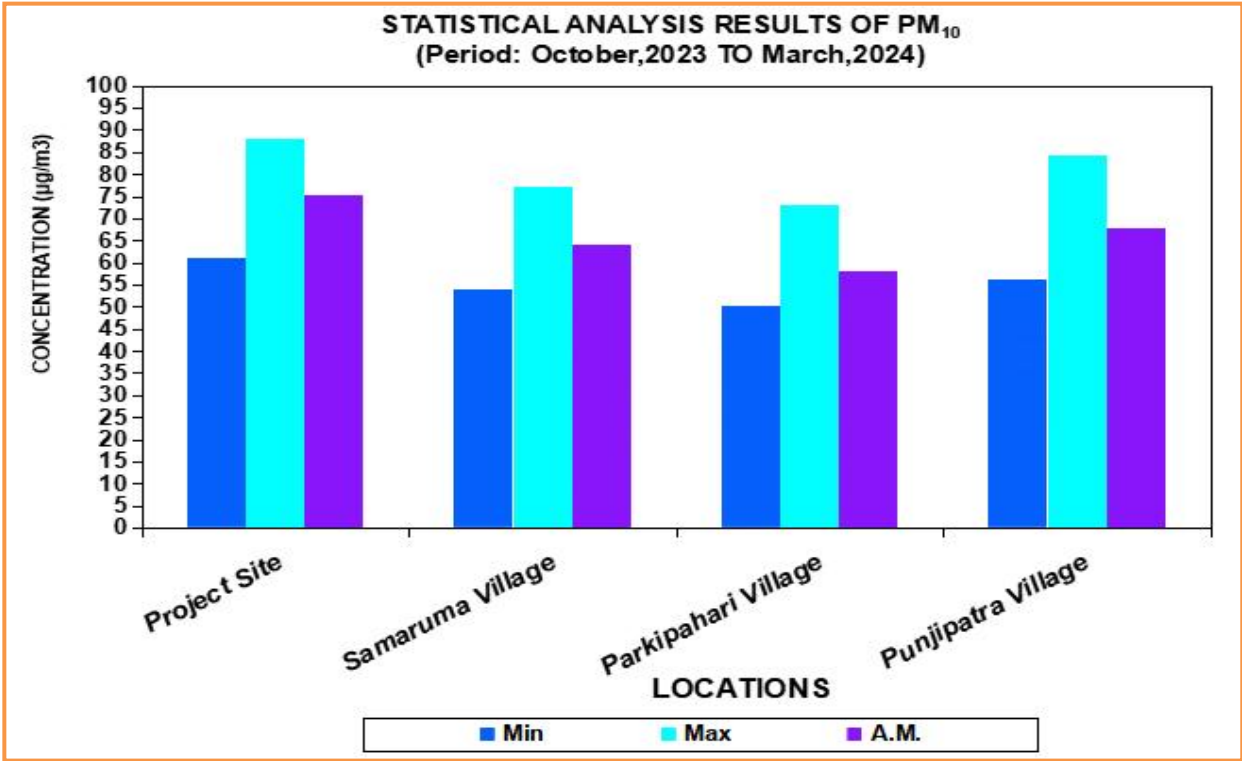
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CIN NO : U74210WB1989PTC047403

ANX-3



# Envirotech East Pvt. Limited

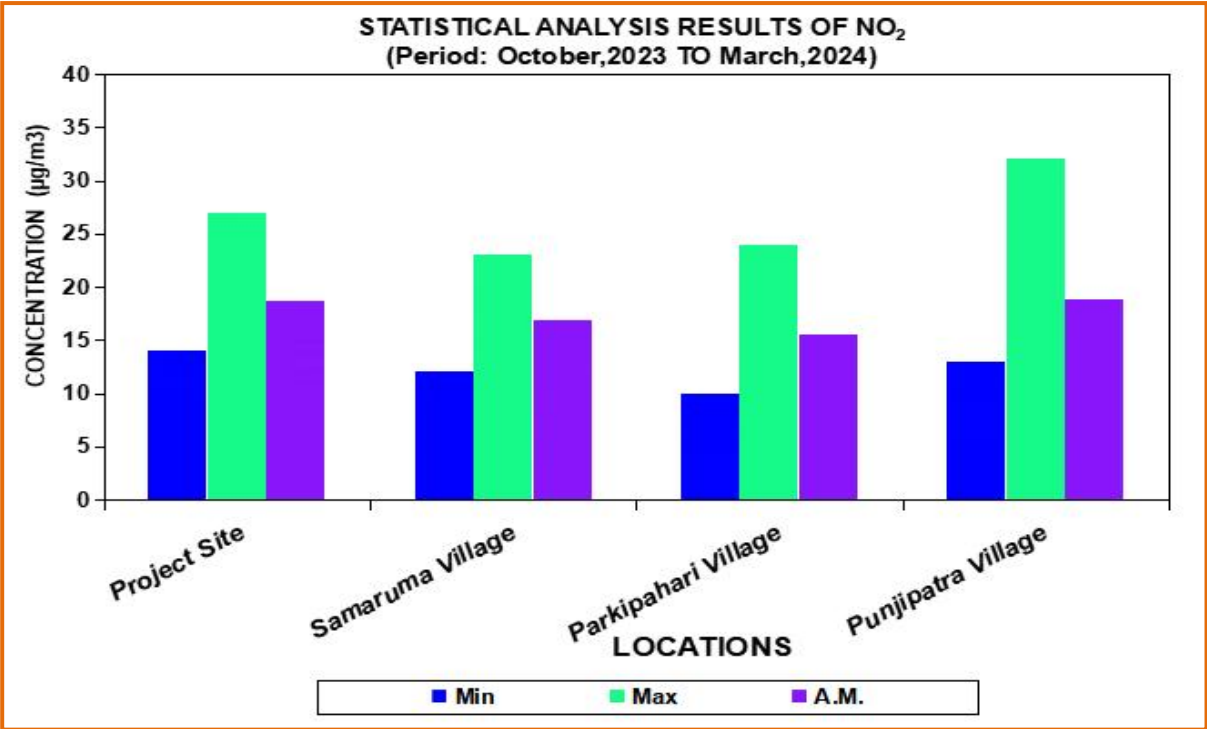
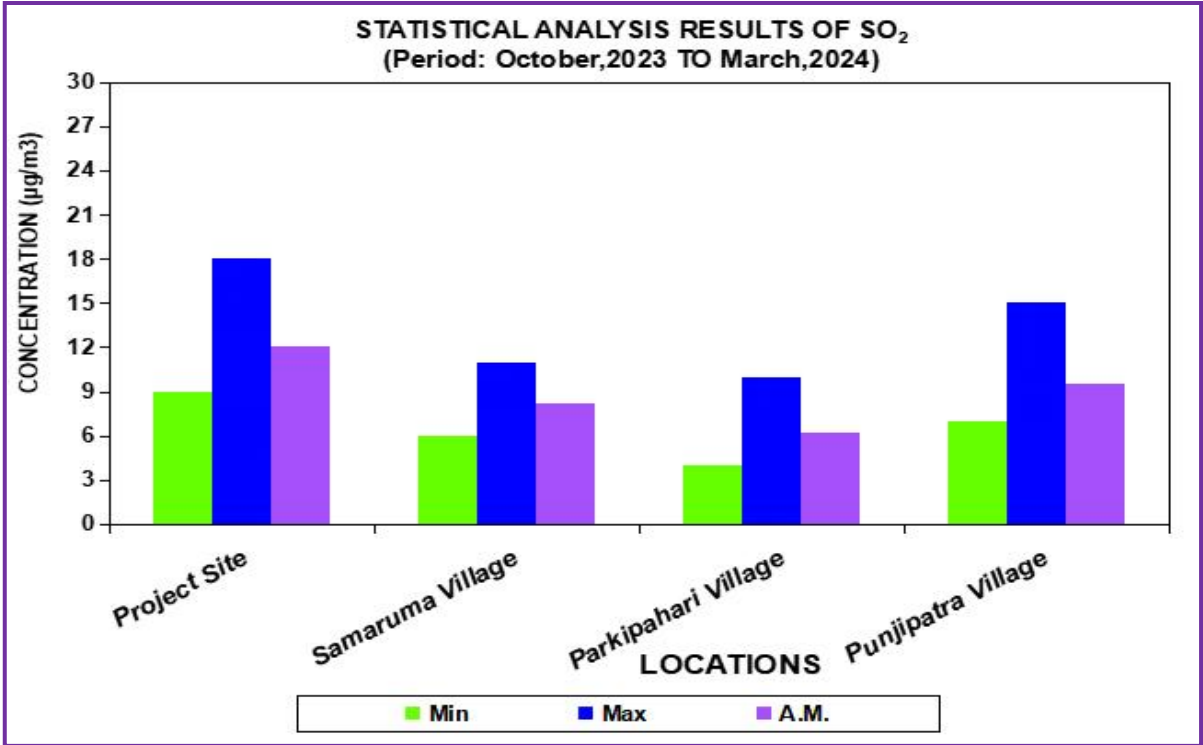
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CIN NO : U74210WB1989PTC047403

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: 01-10-2023T00:00:40Z To Date: 31-10-2023T00:00:01Z

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	0.98	6.27	4.98	12.41	42.74	69.85	40.24
Minimum Data	0.64	5.9	4.84	12.0	8.74	14.28	20.15
Geometric Mean	0.78	6.2	4.89	12.31	23.94	39.13	30.81
Median	0.77	6.23	4.88	12.35	23.77	38.86	30.84
Standard Deviation	0.08	0.09	0.03	0.1	8.39	13.72	4.62
Maximum Value At Time	2023-10-13 00:00:00	2023-10-28 00:00:00	2023-10-09 00:00:00	2023-10-26 00:00:00	2023-10-13 00:00:00	2023-10-13 00:00:00	2023-10-14 00:00:00
Minimum Value At Time	2023-10-03 00:00:00	2023-10-09 00:00:00	2023-10-17 00:00:00	2023-10-09 00:00:00	2023-10-04 00:00:00	2023-10-04 00:00:00	2023-10-06 00:00:00
Valid Data Points	27	27	27	27	27	27	25
Total Data Points	30	30	30	30	30	30	30
Data Availability %	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%	83.33%

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	2023-10-01 00:00:00	0.73	6.17	4.85	12.24	21.61	35.33	23.87
2	2023-10-02 00:00:00	0.70	6.15	4.86	12.24	13.76	22.50	29.99
3	2023-10-03 00:00:00	0.64	6.17	4.89	12.27	8.99	14.70	26.93
4	2023-10-04 00:00:00	0.67	6.16	4.87	12.25	8.74	14.28	28.14
5	2023-10-05 00:00:00	0.78	6.11	4.93	12.23	18.75	30.64	33.79
6	2023-10-06 00:00:00	0.69	6.21	4.94	12.36	19.26	31.42	20.15
7	2023-10-07 00:00:00	0.70	6.20	4.92	12.33	19.53	31.92	22.02
8	2023-10-08 00:00:00	0.81	5.96	4.94	12.04	16.64	27.21	NA

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	2023-10-09 00:00:00	0.86	5.90	4.98	12.00	15.02	24.58	NA
10	2023-10-10 00:00:00	NA	NA	NA	NA	NA	NA	NA
11	2023-10-11 00:00:00	NA	NA	NA	NA	NA	NA	NA
12	2023-10-12 00:00:00	NA	NA	NA	NA	NA	NA	NA
13	2023-10-13 00:00:00	0.98	6.21	4.86	12.32	42.74	69.85	32.90
14	2023-10-14 00:00:00	0.85	6.24	4.88	12.37	29.16	47.72	40.24
15	2023-10-15 00:00:00	0.80	6.22	4.91	12.36	27.09	44.36	35.79
16	2023-10-16 00:00:00	0.82	6.23	4.90	12.37	32.98	53.93	34.66
17	2023-10-17 00:00:00	0.80	6.22	4.84	12.31	32.15	52.55	26.93
18	2023-10-18 00:00:00	0.77	6.25	4.88	12.38	34.32	56.10	29.07
19	2023-10-19 00:00:00	0.84	6.25	4.86	12.36	31.27	51.09	31.13
20	2023-10-20 00:00:00	0.77	6.24	4.88	12.35	22.03	36.01	31.05
21	2023-10-21 00:00:00	0.73	6.23	4.89	12.34	13.65	22.31	31.70
22	2023-10-22 00:00:00	0.76	6.21	4.91	12.34	18.26	29.85	37.88
23	2023-10-23 00:00:00	0.75	6.25	4.86	12.35	20.22	33.06	30.84
24	2023-10-24 00:00:00	0.74	6.25	4.86	12.36	23.77	38.86	36.30
25	2023-10-25 00:00:00	0.71	6.26	4.86	12.37	30.29	49.58	31.36
26	2023-10-26 00:00:00	0.76	6.26	4.90	12.41	30.82	50.39	30.80
27	2023-10-27 00:00:00	0.79	6.25	4.86	12.36	26.67	43.60	30.30
28	2023-10-28 00:00:00	0.80	6.27	4.85	12.37	27.86	45.49	29.97
29	2023-10-29 00:00:00	0.85	6.24	4.90	12.38	27.49	44.92	30.82
30	2023-10-30 00:00:00	0.93	6.23	4.90	12.36	33.25	54.32	33.61



# 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: 01-11-2023T00:00:53Z To Date: 30-11-2023T00:00:00Z

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	1.22	6.35	4.99	12.48	5.08	8.31	74.25
Minimum Data	0.78	6.05	4.8	12.17	2.6	4.25	5.08
Geometric Mean	0.95	6.24	4.89	12.36	2.69	4.39	29.29
Median	0.94	6.29	4.89	12.41	2.6	4.25	25.59
Standard Deviation	0.1	0.1	0.05	0.1	0.46	0.75	19.09
Maximum Value At Time	2023-11-14 00:00:00	2023-11-11 00:00:00	2023-11-22 00:00:00	2023-11-11 00:00:00	2023-11-01 00:00:00	2023-11-01 00:00:00	2023-11-18 00:00:00
Minimum Value At Time	2023-11-05 00:00:00	2023-11-18 00:00:00	2023-11-02 00:00:00	2023-11-18 00:00:00	2023-11-02 00:00:00	2023-11-02 00:00:00	2023-11-26 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	2023-11-01 00:00:00	0.91	6.29	4.84	12.39	5.08	8.31	22.27
2	2023-11-02 00:00:00	1.00	6.34	4.80	12.42	2.60	4.25	17.16
3	2023-11-03 00:00:00	1.06	6.34	4.85	12.46	2.60	4.25	18.29
4	2023-11-04 00:00:00	0.80	6.31	4.83	12.41	2.60	4.25	28.10
5	2023-11-05 00:00:00	0.78	6.31	4.86	12.43	2.60	4.25	22.16
6	2023-11-06 00:00:00	0.80	6.30	4.85	12.40	2.60	4.25	38.15
7	2023-11-07 00:00:00	0.81	6.30	4.85	12.41	2.60	4.25	26.60
8	2023-11-08 00:00:00	0.91	6.31	4.89	12.45	2.60	4.25	27.68



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	2023-11-09 00:00:00	0.92	6.32	4.85	12.43	2.60	4.25	31.84
10	2023-11-10 00:00:00	1.05	6.32	4.89	12.46	2.60	4.25	25.14
11	2023-11-11 00:00:00	1.09	6.35	4.86	12.48	2.60	4.25	26.52
12	2023-11-12 00:00:00	1.05	6.34	4.88	12.47	2.60	4.25	24.16
13	2023-11-13 00:00:00	1.11	6.33	4.87	12.45	2.60	4.25	20.95
14	2023-11-14 00:00:00	1.22	6.30	4.85	12.40	2.60	4.25	30.57
15	2023-11-15 00:00:00	1.01	6.16	4.92	12.28	2.60	4.25	53.35
16	2023-11-16 00:00:00	0.95	6.12	4.97	12.27	2.60	4.25	56.20
17	2023-11-17 00:00:00	0.89	6.11	4.93	12.23	2.60	4.25	62.62
18	2023-11-18 00:00:00	0.91	6.05	4.95	12.17	2.60	4.25	74.25
19	2023-11-19 00:00:00	0.90	6.10	4.97	12.25	2.60	4.25	73.78
20	2023-11-20 00:00:00	0.86	6.10	4.96	12.24	2.60	4.25	47.40
21	2023-11-21 00:00:00	0.91	6.12	4.91	12.22	2.60	4.25	26.76
22	2023-11-22 00:00:00	0.96	6.05	4.99	12.20	2.60	4.25	25.59
23	2023-11-23 00:00:00	0.94	6.09	4.94	12.22	2.60	4.25	22.53
24	2023-11-24 00:00:00	0.96	6.23	4.93	12.38	2.60	4.25	15.11
25	2023-11-25 00:00:00	0.92	6.27	4.90	12.41	2.60	4.25	5.88
26	2023-11-26 00:00:00	0.97	6.32	4.88	12.45	2.60	4.25	5.08
27	2023-11-27 00:00:00	0.97	6.25	4.94	12.41	2.60	4.25	5.86
28	2023-11-28 00:00:00	0.98	6.26	4.87	12.37	2.60	4.25	7.33
29	2023-11-29 00:00:00	0.88	6.27	4.91	12.42	2.60	4.25	8.22



# 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: 01-12-2023T00:00:53Z To Date: 31-12-2023T00:00:53Z

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	1.24	6.41	4.91	12.56	2.6	4.25	7.58
Minimum Data	0.68	6.28	4.83	12.42	2.6	4.25	0.16
Geometric Mean	0.91	6.36	4.87	12.5	2.6	4.25	1.43
Median	0.89	6.36	4.87	12.51	2.6	4.25	0.91
Standard Deviation	0.16	0.03	0.02	0.03	0.0	0.0	1.51
Maximum Value At Time	2023-12-30 00:00:00	2023-12-02 00:00:00	2023-12-21 00:00:00	2023-12-15 00:00:00	2023-12-01 00:00:00	2023-12-01 00:00:00	2023-12-30 00:00:00
Minimum Value At Time	2023-12-06 00:00:00	2023-12-30 00:00:00	2023-12-01 00:00:00	2023-12-30 00:00:00	2023-12-01 00:00:00	2023-12-01 00:00:00	2023-12-03 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	2023-12-01 00:00:00	0.95	6.35	4.83	12.45	2.6	4.25	2.97
2	2023-12-02 00:00:00	1.00	6.41	4.83	12.52	2.6	4.25	0.20
3	2023-12-03 00:00:00	0.95	6.39	4.86	12.52	2.6	4.25	0.16
4	2023-12-04 00:00:00	0.96	6.37	4.83	12.47	2.6	4.25	0.69
5	2023-12-05 00:00:00	0.71	6.33	4.86	12.44	2.6	4.25	2.66
6	2023-12-06 00:00:00	0.68	6.32	4.89	12.45	2.6	4.25	3.84
7	2023-12-07 00:00:00	0.79	6.32	4.89	12.48	2.6	4.25	2.50
8	2023-12-08 00:00:00	0.72	6.33	4.88	12.46	2.6	4.25	2.19

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	2023-12-09 00:00:00	0.75	6.39	4.85	12.52	2.6	4.25	0.68
10	2023-12-10 00:00:00	0.70	6.38	4.88	12.53	2.6	4.25	0.48
11	2023-12-11 00:00:00	0.78	6.38	4.83	12.49	2.6	4.25	2.29
12	2023-12-12 00:00:00	0.84	6.37	4.86	12.51	2.6	4.25	0.31
13	2023-12-13 00:00:00	0.82	6.37	4.85	12.49	2.6	4.25	0.35
14	2023-12-14 00:00:00	0.78	6.36	4.88	12.51	2.6	4.25	0.64
15	2023-12-15 00:00:00	0.85	6.39	4.89	12.56	2.6	4.25	0.20
16	2023-12-16 00:00:00	0.84	6.36	4.88	12.51	2.6	4.25	0.68
17	2023-12-17 00:00:00	0.94	6.37	4.87	12.52	2.6	4.25	0.86
18	2023-12-18 00:00:00	0.79	6.38	4.83	12.51	2.6	4.25	1.27
19	2023-12-19 00:00:00	0.79	6.36	4.90	12.53	2.6	4.25	0.99
20	2023-12-20 00:00:00	0.82	6.36	4.84	12.48	2.6	4.25	1.05
21	2023-12-21 00:00:00	0.93	6.35	4.91	12.51	2.6	4.25	1.74
22	2023-12-22 00:00:00	1.04	6.36	4.88	12.51	2.6	4.25	2.02
23	2023-12-23 00:00:00	1.19	6.34	4.89	12.49	2.6	4.25	2.24
24	2023-12-24 00:00:00	1.09	6.37	4.89	12.54	2.6	4.25	0.96
25	2023-12-25 00:00:00	1.11	6.38	4.84	12.51	2.6	4.25	0.27
26	2023-12-26 00:00:00	1.07	6.39	4.85	12.52	2.6	4.25	0.35
27	2023-12-27 00:00:00	1.00	6.38	4.86	12.53	2.6	4.25	0.57
28	2023-12-28 00:00:00	1.13	6.35	4.89	12.51	2.6	4.25	0.73
29	2023-12-29 00:00:00	1.14	6.36	4.87	12.50	2.6	4.25	1.38
30	2023-12-30 00:00:00	1.24	6.28	4.90	12.42	2.6	4.25	7.58



# 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: 01-01-2024T00:00:18Z To Date: 31-01-2024T00:00:33Z

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	1.64	6.42	4.91	12.53	2.6	4.25	5.7
Minimum Data	0.72	6.31	4.81	12.43	2.6	4.25	0.76
Geometric Mean	1.08	6.35	4.86	12.48	2.6	4.25	2.14
Median	1.1	6.35	4.87	12.48	2.6	4.25	2.13
Standard Deviation	0.2	0.02	0.02	0.03	0.0	0.0	1.1
Maximum Value At Time	2024-01-05 00:00:00	2024-01-10 00:00:00	2024-01-01 00:00:00	2024-01-02 00:00:00	2024-01-01 00:00:00	2024-01-01 00:00:00	2024-01-01 00:00:00
Minimum Value At Time	2024-01-13 00:00:00	2024-01-28 00:00:00	2024-01-10 00:00:00	2024-01-24 00:00:00	2024-01-01 00:00:00	2024-01-01 00:00:00	2024-01-27 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	2024-01-01 00:00:00	0.99	6.32	4.91	12.48	2.6	4.25	5.70
2	2024-01-02 00:00:00	1.06	6.36	4.90	12.53	2.6	4.25	2.76
3	2024-01-03 00:00:00	1.20	6.36	4.87	12.51	2.6	4.25	0.98
4	2024-01-04 00:00:00	1.20	6.38	4.86	12.51	2.6	4.25	1.21
5	2024-01-05 00:00:00	1.64	6.37	4.87	12.52	2.6	4.25	2.50
6	2024-01-06 00:00:00	1.21	6.33	4.88	12.47	2.6	4.25	2.54
7	2024-01-07 00:00:00	1.15	6.32	4.89	12.46	2.6	4.25	2.30
8	2024-01-08 00:00:00	1.10	6.34	4.87	12.48	2.6	4.25	1.44

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	2024-01-09 00:00:00	1.32	6.34	4.85	12.46	2.6	4.25	3.95
10	2024-01-10 00:00:00	1.18	6.42	4.81	12.53	2.6	4.25	3.20
11	2024-01-11 00:00:00	0.91	6.36	4.86	12.50	2.6	4.25	1.08
12	2024-01-12 00:00:00	0.75	6.36	4.85	12.48	2.6	4.25	0.96
13	2024-01-13 00:00:00	0.72	6.39	4.83	12.49	2.6	4.25	0.95
14	2024-01-14 00:00:00	0.77	6.36	4.87	12.50	2.6	4.25	1.51
15	2024-01-15 00:00:00	0.89	6.36	4.86	12.48	2.6	4.25	2.48
16	2024-01-16 00:00:00	0.93	6.32	4.89	12.46	2.6	4.25	0.99
17	2024-01-17 00:00:00	1.33	6.37	4.83	12.47	2.6	4.25	1.95
18	2024-01-18 00:00:00	1.34	6.34	4.87	12.47	2.6	4.25	1.48
19	2024-01-19 00:00:00	1.11	6.36	4.85	12.47	2.6	4.25	2.44
20	2024-01-20 00:00:00	1.15	6.34	4.86	12.47	2.6	4.25	1.79
21	2024-01-21 00:00:00	0.93	6.36	4.87	12.50	2.6	4.25	3.10
22	2024-01-22 00:00:00	0.95	6.39	4.84	12.51	2.6	4.25	1.58
23	2024-01-23 00:00:00	1.07	6.34	4.88	12.50	2.6	4.25	2.83
24	2024-01-24 00:00:00	1.26	6.34	4.82	12.43	2.6	4.25	2.07
25	2024-01-25 00:00:00	0.99	6.34	4.88	12.48	2.6	4.25	2.29
26	2024-01-26 00:00:00	0.81	6.38	4.87	12.53	2.6	4.25	0.78
27	2024-01-27 00:00:00	1.03	6.33	4.90	12.49	2.6	4.25	0.76
28	2024-01-28 00:00:00	1.17	6.31	4.89	12.46	2.6	4.25	2.87
29	2024-01-29 00:00:00	1.15	6.33	4.85	12.45	2.6	4.25	2.20
30	2024-01-30 00:00:00	1.22	6.33	4.85	12.44	2.6	4.25	3.50



# 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: 2024-02-01 00:00 To Date: 2024-02-28 00:00

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	1.33	6.39	4.96	12.53	2.6	4.25	34.21
Minimum Data	0.65	6.03	4.8	12.15	2.59	4.23	0.46
Geometric Mean	0.97	6.33	4.86	12.45	2.6	4.25	5.32
Median	0.96	6.36	4.85	12.47	2.6	4.25	2.12
Standard Deviation	0.18	0.08	0.04	0.07	0.0	0.0	7.47
Maximum Value At Time	2024-02-05 00:00:00	2024-02-15 00:00:00	2024-02-21 00:00:00	2024-02-16 00:00:00	2024-02-01 00:00:00	2024-02-01 00:00:00	2024-02-21 00:00:00
Minimum Value At Time	2024-02-08 00:00:00	2024-02-21 00:00:00	2024-02-15 00:00:00	2024-02-21 00:00:00	2024-02-20 00:00:00	2024-02-21 00:00:00	2024-02-09 00:00:00
Valid Data Points	28	28	28	28	28	28	28
Total Data Points	28	28	28	28	28	28	28
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	2024-02-01 00:00:00	1.15	6.36	4.83	12.45	2.60	4.25	4.10
2	2024-02-02 00:00:00	0.94	6.33	4.87	12.45	2.60	4.25	2.45
3	2024-02-03 00:00:00	0.77	6.36	4.82	12.46	2.60	4.25	2.18
4	2024-02-04 00:00:00	0.92	6.36	4.84	12.48	2.60	4.25	1.79
5	2024-02-05 00:00:00	1.33	6.35	4.85	12.47	2.60	4.25	1.10
6	2024-02-06 00:00:00	1.12	6.34	4.85	12.46	2.60	4.25	0.93
7	2024-02-07 00:00:00	0.72	6.37	4.81	12.47	2.60	4.25	0.82
8	2024-02-08 00:00:00	0.65	6.38	4.85	12.51	2.60	4.25	0.50

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	2024-02-09 00:00:00	0.71	6.34	4.86	12.47	2.60	4.25	0.46
10	2024-02-10 00:00:00	0.87	6.33	4.87	12.47	2.60	4.25	0.90
11	2024-02-11 00:00:00	0.95	6.37	4.82	12.47	2.60	4.25	2.05
12	2024-02-12 00:00:00	0.93	6.34	4.85	12.47	2.60	4.25	2.05
13	2024-02-13 00:00:00	1.30	6.31	4.85	12.42	2.60	4.25	4.91
14	2024-02-14 00:00:00	1.13	6.38	4.85	12.52	2.60	4.25	1.29
15	2024-02-15 00:00:00	0.92	6.39	4.80	12.48	2.60	4.25	1.35
16	2024-02-16 00:00:00	1.06	6.39	4.85	12.53	2.60	4.25	0.57
17	2024-02-17 00:00:00	0.99	6.32	4.86	12.44	2.60	4.25	3.22
18	2024-02-18 00:00:00	1.05	6.25	4.91	12.39	2.60	4.25	9.14
19	2024-02-19 00:00:00	1.15	6.37	4.84	12.49	2.60	4.25	1.00
20	2024-02-20 00:00:00	1.21	6.18	4.92	12.31	2.59	4.24	15.95
21	2024-02-21 00:00:00	0.89	6.03	4.96	12.15	2.59	4.23	34.21
22	2024-02-22 00:00:00	0.96	6.25	4.90	12.39	2.60	4.25	17.85
23	2024-02-23 00:00:00	0.68	6.38	4.84	12.49	2.60	4.25	6.64
24	2024-02-24 00:00:00	1.04	6.36	4.84	12.46	2.60	4.25	3.86
25	2024-02-25 00:00:00	0.90	6.36	4.84	12.47	2.60	4.25	1.67
26	2024-02-26 00:00:00	0.96	6.38	4.87	12.52	2.60	4.25	10.53
27	2024-02-27 00:00:00	1.11	6.24	4.94	12.42	2.60	4.25	14.43
28	2024-02-28 00:00:00	0.85	6.37	4.83	12.48	2.60	4.25	2.89



# 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: 01-03-2024T00:00:34Z To Date: 31-03-2024T00:00:48Z

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	1.31	6.34	5.06	12.44	89.78	146.76	74.51
Minimum Data	0.61	5.42	4.84	11.29	2.47	4.02	1.73
Geometric Mean	0.97	5.96	4.94	12.05	25.65	40.07	41.66
Median	0.96	5.98	4.96	12.1	2.6	4.25	42.43
Standard Deviation	0.19	0.21	0.05	0.28	33.67	52.83	19.63
Maximum Value At Time	2024-03-11 00:00:00	2024-03-19 00:00:00	2024-03-02 00:00:00	2024-03-19 00:00:00	2024-03-23 00:00:00	2024-03-23 00:00:00	2024-03-28 00:00:00
Minimum Value At Time	2024-03-21 00:00:00	2024-03-30 00:00:00	2024-03-19 00:00:00	2024-03-30 00:00:00	2024-03-13 00:00:00	2024-03-13 00:00:00	2024-03-19 00:00:00
Valid Data Points	29	30	30	30	30	30	29
Total Data Points	30	30	30	30	30	30	30
Data Availability %	96.67%	100.0%	100.0%	100.0%	100.0%	100.0%	96.67%

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	2024-03-01 00:00:00	0.85	6.01	4.98	12.14	2.60	4.25	39.08
2	2024-03-02 00:00:00	1.03	5.94	5.06	12.12	2.60	4.25	50.64
3	2024-03-03 00:00:00	0.93	5.92	5.01	12.05	2.60	4.25	50.47
4	2024-03-04 00:00:00	1.00	6.00	4.97	12.12	2.60	4.25	38.63
5	2024-03-05 00:00:00	0.89	5.98	4.99	12.11	2.59	4.24	41.21
6	2024-03-06 00:00:00	0.93	6.01	4.94	12.11	2.59	4.24	52.42
7	2024-03-07 00:00:00	0.82	6.29	4.88	12.42	2.60	4.25	15.24
8	2024-03-08 00:00:00	0.80	6.13	4.92	12.25	2.60	4.25	29.77



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	2024-03-09 00:00:00	0.84	6.25	4.91	12.40	2.60	4.25	15.43
10	2024-03-10 00:00:00	1.09	6.05	4.96	12.19	2.60	4.25	42.43
11	2024-03-11 00:00:00	1.31	5.98	4.99	12.10	2.60	4.24	51.67
12	2024-03-12 00:00:00	1.00	5.93	4.96	12.01	2.49	4.09	61.35
13	2024-03-13 00:00:00	0.96	5.86	4.97	11.93	2.47	4.02	61.04
14	2024-03-14 00:00:00	0.89	5.97	4.99	12.09	2.58	4.21	46.55
15	2024-03-15 00:00:00	1.15	6.08	4.95	12.20	2.60	4.25	34.71
16	2024-03-16 00:00:00	1.31	5.91	5.00	12.03	2.49	4.08	56.51
17	2024-03-17 00:00:00	1.23	5.93	4.97	12.04	2.55	4.17	57.87
18	2024-03-18 00:00:00	1.31	5.99	4.96	12.11	2.60	4.25	38.10
19	2024-03-19 00:00:00	NA	6.34	4.84	12.44	2.60	4.25	1.73
20	2024-03-20 00:00:00	0.63	6.25	4.88	12.37	13.67	22.34	6.11
21	2024-03-21 00:00:00	0.61	6.24	4.87	12.35	34.72	56.75	7.99
22	2024-03-22 00:00:00	0.71	6.08	4.91	12.18	67.06	109.62	22.32
23	2024-03-23 00:00:00	0.91	5.83	4.98	11.90	89.78	146.76	51.20
24	2024-03-24 00:00:00	0.98	5.71	4.92	11.69	82.72	135.21	69.72
25	2024-03-25 00:00:00	1.02	5.72	4.94	11.73	84.38	137.93	64.13
26	2024-03-26 00:00:00	0.87	5.98	4.96	12.09	74.20	126.49	31.34
27	2024-03-27 00:00:00	0.83	5.93	4.93	12.00	54.73	104.51	31.85
28	2024-03-28 00:00:00	1.03	5.64	4.91	11.59	77.04	106.21	74.51
29	2024-03-29 00:00:00	1.18	5.51	4.89	11.41	74.62	103.05	NA
30	2024-03-30 00:00:00	1.09	5.42	4.90	11.29	67.57	73.30	64.18

## **ANNEXURE-5**

### **Fugitive Emission Monitoring Report (October - 2023 to March - 2024)**

# Envirotech East Pvt. Limited

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

- Laboratory Recognised by MoEF&CC, Govt. of India
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET



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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

TABLE: - I				
Onsite Fugitive Emission Monitoring Results				
Location		Inside Product House		
(Period: October, 2023 To March, 2024)				
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)
05.10.2023	121	53	11	34
07.10.2023	93	37	18	26
11.10.2023	86	29	16	30
14.10.2023	92	34	13	25
18.10.2023	103	36	9	41
21.10.2023	84	28	16	31
25.10.2023	109	49	10	23
28.10.2023	113	54	16	29
04.11.2023	87	41	10	22
08.11.2023	104	45	17	24
11.11.2023	114	52	13	35
15.11.2023	84	39	15	28
18.11.2023	96	43	10	40
22.11.2023	107	46	17	23
25.11.2023	99	40	13	32
29.11.2023	87	41	16	26
06.12.2023	108	46	9	36
09.12.2023	116	56	19	29
13.12.2023	98	44	15	22
16.12.2023	110	50	22	28
20.12.2023	121	57	17	24
23.12.2023	85	41	10	35
27.12.2023	113	50	21	29
30.12.2023	119	56	16	24
03.01.2024	102	43	10	22
06.01.2024	107	48	15	28
10.01.2024	104	42	21	26
13.01.2024	118	54	12	21

Envirotech East Pvt. Limited

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

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- Accredited EIA Consultant by QCI-NABET



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CIN NO : U74210WB1989PTC047403

ANX-5

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)
17.01.2024	110	48	16	30
20.01.2024	99	43	19	27
24.01.2024	115	46	9	32
25.01.2024	110	46	15	29
03.02.2024	103	48	23	34
06.02.2024	86	34	19	24
10.02.2024	114	49	18	21
14.02.2024	102	44	12	27
17.02.2024	123	43	11	22
21.02.2024	117	44	10	26
24.02.2024	102	45	16	21
28.02.2024	91	41	12	25
06.03.2024	127	48	18	21
09.03.2024	122	56	24	24
13.03.2024	99	40	19	26
16.03.2024	104	44	18	45
20.03.2024	123	43	13	36
23.03.2024	95	38	16	41
27.03.2024	121	45	20	34
30.03.2024	96	36	15	40

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

Envirotech East Pvt. Limited

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

- Laboratory Recognised by MoEF&CC, Govt. of India
- Laboratory Recognized by WBPCB
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ANX-5

TABLE: - 2				
Onsite Fugitive Emission Monitoring Results				
Location		Near ESP		
(Period: October, 2023 To March, 2024)				
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> )
05.10.2023	116	55	8	25
07.10.2023	99	45	14	19
11.10.2023	127	61	11	33
14.10.2023	110	48	9	30
18.10.2023	105	48	13	18
21.10.2023	117	50	10	35
25.10.2023	95	46	16	31
28.10.2023	126	57	14	20
04.11.2023	114	48	10	27
08.11.2023	97	45	8	34
11.11.2023	115	55	10	25
15.11.2023	127	60	15	30
18.11.2023	99	44	8	26
22.11.2023	105	48	10	25
25.11.2023	110	47	12	28
29.11.2023	101	47	14	34
06.12.2023	97	41	11	26
09.12.2023	105	46	10	21
13.12.2023	98	42	13	28
16.12.2023	117	49	10	24
20.12.2023	103	41	11	25
23.12.2023	114	44	13	29
27.12.2023	105	43	12	21
30.12.2023	95	34	15	32
03.01.2024	98	41	11	23
06.01.2024	106	47	16	26
10.01.2024	117	53	9	31
13.01.2024	105	40	13	18
17.01.2024	99	40	10	33
20.01.2024	114	48	16	28

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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> )
24.01.2024	109	41	11	25
25.01.2024	100	36	14	20
03.02.2024	128	56	16	31
06.02.2024	103	35	18	26
10.02.2024	118	48	13	32
14.02.2024	99	35	16	22
17.02.2024	105	45	12	29
21.02.2024	116	46	14	20
24.02.2024	142	50	10	25
28.02.2024	99	37	14	30
06.03.2024	105	42	11	18
09.03.2024	114	44	13	25
13.03.2024	104	35	9	21
16.03.2024	127	57	11	23
20.03.2024	109	41	14	27
23.03.2024	125	43	10	17
27.03.2024	104	42	13	29
30.03.2024	130	43	11	20

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TABLE: - 3				
Onsite Fugitive Emission Monitoring Results				
Location		Near DRI Control Room		
(Period: October, 2023 To March, 2024)				
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> )
05.10.2023	136	63	13	29
07.10.2023	114	49	17	23
11.10.2023	140	69	11	30
14.10.2023	115	53	14	32
18.10.2023	147	66	10	19
21.10.2023	126	59	12	23
25.10.2023	115	51	10	15
28.10.2023	103	44	15	27
04.11.2023	119	49	15	21
08.11.2023	108	48	17	17
11.11.2023	113	51	20	15
15.11.2023	120	52	16	18
18.11.2023	110	44	18	26
22.11.2023	105	39	17	19
25.11.2023	101	39	19	16
29.11.2023	110	50	15	24
06.12.2023	102	41	18	19
09.12.2023	111	48	21	15
13.12.2023	101	38	19	20
16.12.2023	127	56	16	28
20.12.2023	112	45	21	22
23.12.2023	106	`	17	16
27.12.2023	128	58	15	23
30.12.2023	122	50	21	20
03.01.2024	107	39	18	22
06.01.2024	103	43	20	17
10.01.2024	119	52	17	15
13.01.2024	108	50	15	23
17.01.2024	127	53	25	18
20.01.2024	111	43	18	26

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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> )
24.01.2024	114	51	20	16
25.01.2024	104	51	15	19
03.02.2024	141	68	10	24
06.02.2024	128	58	17	30
10.02.2024	139	65	21	23
14.02.2024	132	63	11	15
17.02.2024	136	67	17	26
21.02.2024	116	55	12	16
24.02.2024	114	55	16	30
28.02.2024	128	63	10	17
06.03.2024	144	68	19	24
09.03.2024	118	54	18	21
13.03.2024	105	51	19	28
16.03.2024	126	62	21	23
20.03.2024	124	60	20	28
23.03.2024	142	64	18	34
27.03.2024	107	46	21	23
30.03.2024	153	73	20	28

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Table 1		Statistical Analysis of Pollutants				
		(Period: October, 2023 To March, 2024)				
Pollutants	Locations	MES	Min	Max	A.M.	P - 98
PM <sub>10</sub> (µg/m <sup>3</sup> )	Inside Product House	48	84	127	105.0	123.2
	Near ESP	48	95	142	109.9	130.7
	Near DRI Control Room	48	101	153	119.5	147.4
	Overall	144	84	153	111.5	146.7
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Inside Product House	48	28	57	44.5	56.2
	Near ESP	48	34	61	45.6	59.8
	Near DRI Control Room	48	38	73	53.5	69.0
	Overall	144	28	73	47.8	68.6
SO <sub>2</sub> (µg/m <sup>3</sup> )	Inside Product House	48	9	24	15.2	23.1
	Near ESP	48	8	18	12.1	16.1
	Near DRI Control Room	48	10	25	16.8	21.2
	Overall	144	8	25	14.7	23.0
NO <sub>2</sub> (µg/m <sup>3</sup> )	Inside Product House	48	21	45	28.7	41.2
	Near ESP	48	17	35	25.9	34.1
	Near DRI Control Room	48	15	34	22.1	32.1
	Overall	144	15	45	25.6	41.0

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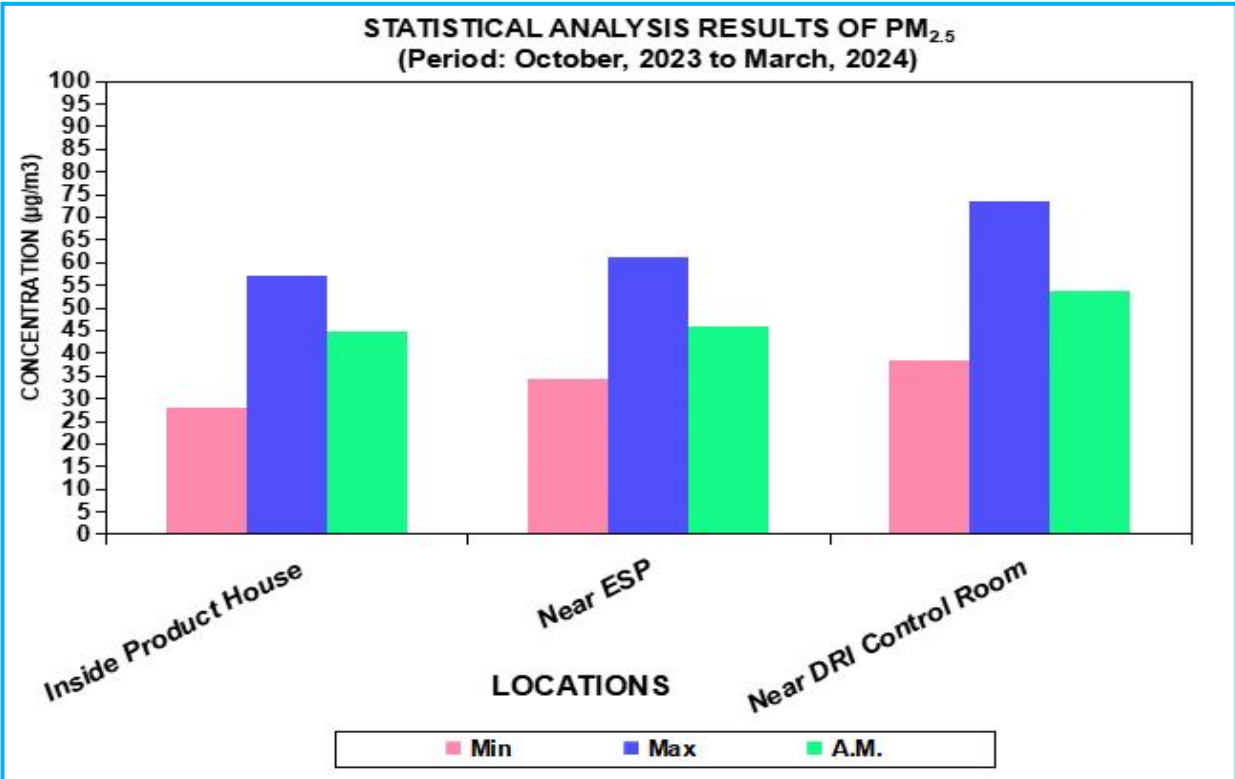
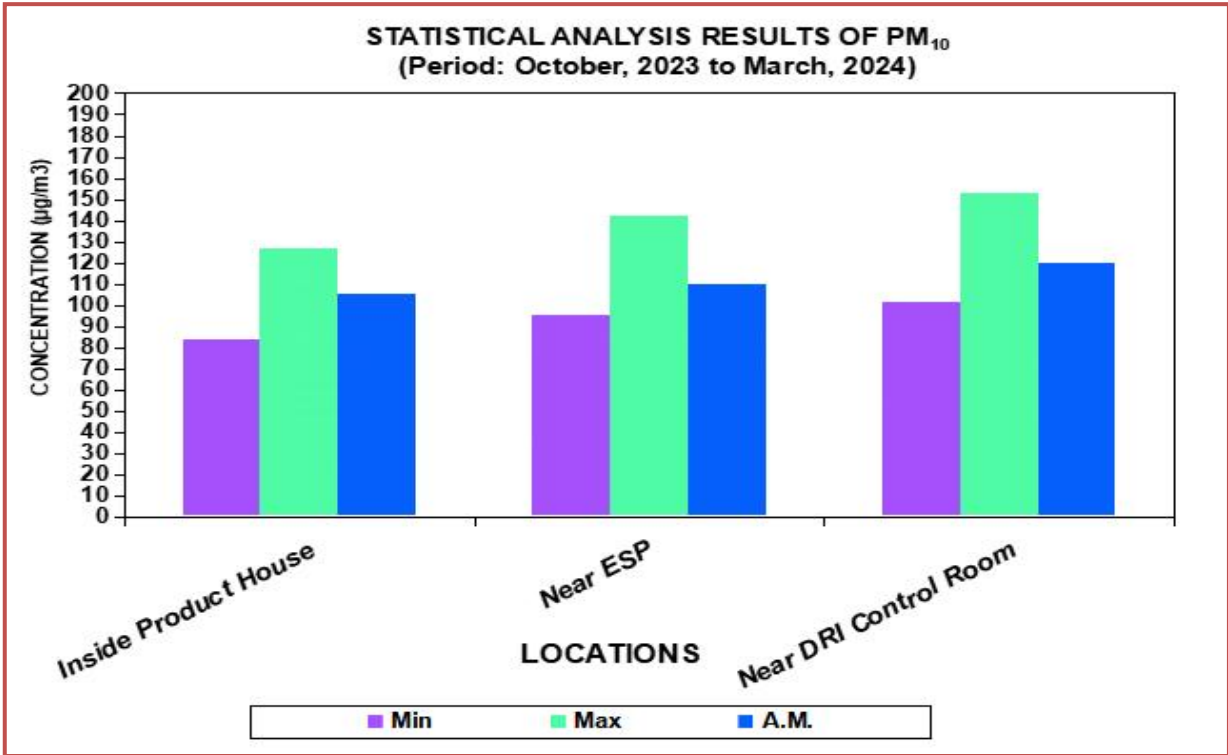
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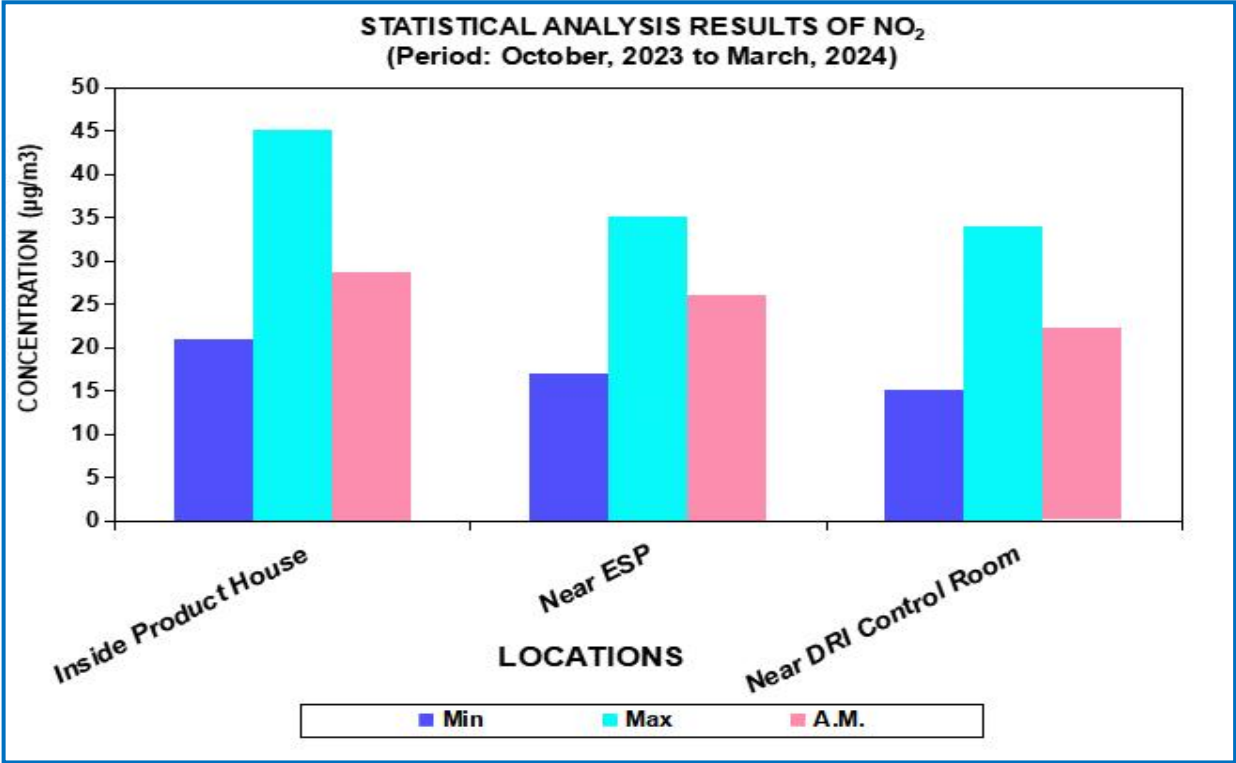
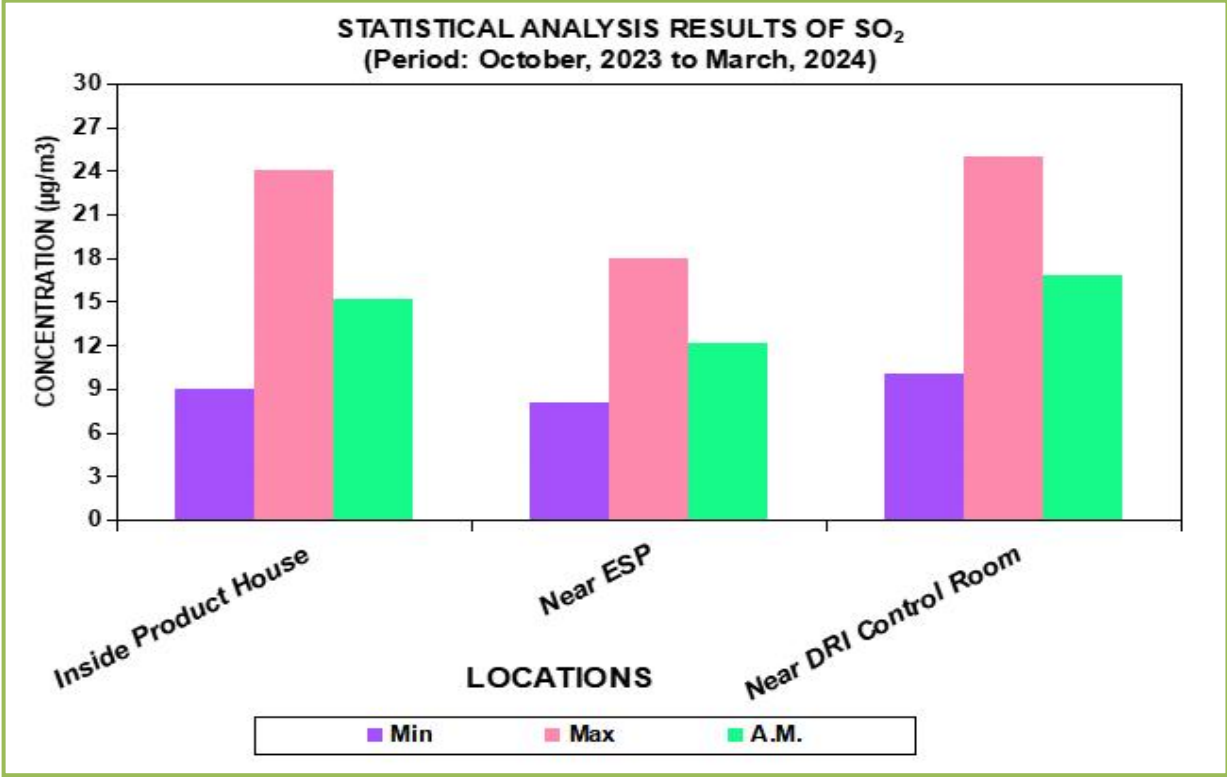
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**ANNEXURE-6**  
**Cooling Discharge Water Analysis Report**  
**(October - 2023 to March - 2024)**

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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	20.10.2023
Sample Collected by	Company Representative (EEPL)

## RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.1	5.5 - 9.0
2.	Total Suspended Solids	mg/l	82	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	118	250
5.	BOD (3 days at 27°C)	mg/l	<4	30

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For ENVIROTECH EAST (P) LTD.



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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	20.11.2023
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	102	250
5.	BOD (3 days at 27°C)	mg/l	<4	30

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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	20.12.2023
Sample Collected by	Company Representative (EEPL)

**RESULTS OF SAMPLE**

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.8	5.5 - 9.0
2.	Total Suspended Solids	mg/l	46	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	93	250
5.	BOD (3 days at 27°C)	mg/l	<4	30

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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	20.01.2024
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	58	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	97	250
5.	BOD (3 days at 27°C)	mg/l	4	30

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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	20.02.2024
Sample Collected by	Company Representative (EEPL)

## RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.3	5.5 - 9.0
2.	Total Suspended Solids	mg/l	64	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	85	250
5.	BOD (3 days at 27°C)	mg/l	<4	30

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For ENVIROTECH EAST (P) LTD.



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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	20.03.2024
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	46	100
3.	Oil & Grease	mg/l	<2	10
4.	COD	mg/l	92	250
5.	BOD (3 days at 27°C)	mg/l	<4	30

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For ENVIROTECH EAST (P) LTD.



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## **ANNEXURE-7**

### **Ground Water Analysis Report (October - 2023 to March - 2024)**

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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	20.10.2023
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	112	102	500
7	Total Hardness (as CaCO3)	mg/L	90	84	200
8	Calcium ( as Ca )	mg/L	26	27	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	37	32	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	0.12	0.18	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	77	70	200
29	Iron ( as Fe )	mg/L	0.23	0.38	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.



(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-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	20.11.2023
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	6.8	7.2	6.5-8.5
6	Total Dissolved Solids	mg/L	104	110	500
7	Total Hardness (as CaCO3)	mg/L	94	97	200
8	Calcium ( as Ca )	mg/L	31	29	75
9	Magnessium ( 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	38	40	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	<0.05	0.12	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	2.2	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	68	74	200
29	Iron ( as Fe )	mg/L	0.22	0.25	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	20.12.2023
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	7.0	6.5-8.5
6	Total Dissolved Solids	mg/L	120	112	500
7	Total Hardness (as CaCO3)	mg/L	102	86	200
8	Calcium ( as Ca )	mg/L	31	26	75
9	Magnessium ( as Mg )	mg/L	6	5	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	25	28	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride ( as F )	mg/L	0.16	0.13	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	2.5	2.0	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	92	87	200
29	Iron ( as Fe )	mg/L	0.24	0.21	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.



(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	20.01.2024
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	7.3	7.1	6.5-8.5
6	Total Dissolved Solids	mg/L	108	103	500
7	Total Hardness (as CaCO3)	mg/L	92	89	200
8	Calcium ( as Ca )	mg/L	22	29	75
9	Magnessium ( 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	19	23	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	2.3	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	82	86	200
29	Iron ( as Fe )	mg/L	<0.05	<0.05	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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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	20.02.2024
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	6.8	7.3	6.5-8.5
6	Total Dissolved Solids	mg/L	103	109	500
7	Total Hardness (as CaCO3)	mg/L	87	95	200
8	Calcium ( as Ca )	mg/L	28	28	75
9	Magnessium ( 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	25	28	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	1.7	1.6	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	76	82	200
29	Iron ( as Fe )	mg/L	0.2	0.23	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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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	20.03.2024
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	6.7	6.5-8.5
6	Total Dissolved Solids	mg/L	99	92	500
7	Total Hardness (as CaCO3)	mg/L	74	68	200
8	Calcium ( as Ca )	mg/L	28	30	75
9	Magnessium ( as Mg )	mg/L	7	4	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride ( as Cl )	mg/L	21	18	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	1.6	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	68	70	200
29	Iron ( as Fe )	mg/L	0.17	0.22	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.





(Authorized Signatory)

## **ANNEXURE-8**

### **Noise Level Monitoring Report (October - 2023 to March - 2024)**

# 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	18.10.2023

### MONITORING REPORT

Sl. No.	Location	Noise Level in Leq dB (A)
1.	In between DRI plant 1&2 and 3&4	54.2 - 70.4
2.	Near ADM Building	45.2 - 67.3
3.	Near Main Gate	47.6 - 66.9
4.	Near DRI Control Room	49.5 - 72.3
5.	Samaruma Village	40.6 - 64.0
6.	Panjipatra Village	44.0 - 63.1
7.	Parkipahari Village	38.9 - 62.1
8.	Near Raw Material Area	53.1 - 71.7
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	21.11.2023

### MONITORING REPORT

Sl. No.	Location	Noise Level in $L_{eq}$ dB (A)
1.	In between DRI plant 1&2 and 3&4	55.3 - 75.2
2.	Near ADM Building	50.2 - 67.3
3.	Near Main Gate	52.5 - 69.4
4.	Near DRI Control Room	66.5 - 78.1
5.	Samaruma Village	49.4 - 66.3
6.	Panjipatra Village	51.0 - 68.8
7.	Parkipahari Village	47.9 - 64.7
8.	Near Raw Material Area	60.8 - 73.5
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	22.12.2023

### MONITORING REPORT

Sl. No.	Location	Noise Level in Leq dB (A)
1.	In between DRI plant 1&2 and 3&4	64.2 - 75.4
2.	Near ADM Building	48.8 - 66.1
3.	Near Main Gate	53.3 - 67.2
4.	Near DRI Control Room	63.7 - 77.5
5.	Samaruma Village	52.1 - 65.0
6.	Panjipatra Village	53.7 - 68.5
7.	Parkipahari Village	50.3 - 67.1
8.	Near Raw Material Area	64.5 - 72.8
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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- 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	24.01.2024

### MONITORING REPORT

Sl. No.	Location	Noise Level in Leq dB (A)
1.	In between DRI plant 1&2 and 3&4	61.1 - 71.7
2.	Near ADM Building	53.1 - 64.6
3.	Near Main Gate	56.1 - 66.2
4.	Near DRI Control Room	56.1 - 72.3
5.	Samaruma Village	50.9 - 65.7
6.	Panjipatra Village	52.2 - 64.5
7.	Parkipahari Village	51.8 - 66.3
8.	Near Raw Material Area	65.3 - 73.7
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 Recognized by MoEF&CC, Govt. of India
- 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	22.02.2024

### MONITORING REPORT

Sl. No.	Location	Noise Level in Leq dB (A)
1.	In between DRI plant 1&2 and 3&4	62.7 - 74.9
2.	Near ADM Building	53.3 - 66.8
3.	Near Main Gate	52.7 - 67.1
4.	Near DRI Control Room	60.8 - 74.4
5.	Samaruma Village	51.5 - 64.9
6.	Panjipatra Village	50.5 - 66.3
7.	Parkipahari Village	49.4 - 62.8
8.	Near Raw Material Area	62.5 - 76.2
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



(Authorized Signatory)

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	26.03.2024

MONITORING REPORT

Sl. No.	Location	Noise Level in Leq dB (A)
1.	In between DRI plant 1&2 and 3&4	65.0 - 76.2
2.	Near ADM Building	54.0 - 68.7
3.	Near Main Gate	55.2 - 65.9
4.	Near DRI Control Room	63.3 - 72.2
5.	Samaruma Village	52.8 - 63.7
6.	Panjipatra Village	50.7 - 65.9
7.	Parkipahari Village	56.8 - 67.3
8.	Near Raw Material Area	68.1 - 75.7
STANDARD		75 dB (A)

For ENVIROTECH EAST (P) LTD.



(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 इंटीग्रेटेड 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

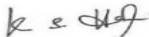
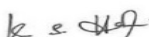
<b>CHOLAMANDALAM MS GENERAL INSURANCE COMPANY LTD.</b> <b>ADDRESS:</b> RAIPUR BRANCH OFFICE WARD NO - 25 (GRU GOVIND SINGH WARD), 2ND FLOOR, SIMRAN TOWERS, PANDRI ROAD, OPP - LIC BUILDING, RAIPUR - 492 001 RAIPUR H.O <b>CITY:</b> RAIPUR <b>STATE:</b> CHATTISGARH <b>GSTIN:</b> 22AABCC6633K1ZT	<b>GST Invoice 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 Gharghoda 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.    
<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.