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: 22nd June, 2023

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

Subject: Six Monthly Compliance Report for the period of October, 2022 to March, 2023 for expansion of integrated steel plant & captive power plant at village Punjipatra, District Raigarh, Chhattisgarh by M/s. Scania Steels and Powers Limited

Ref.: MoEF&CC File No. J-I1011/1267/2007-IA.II(I) dt. 7th August, 2018

Dear Sir,

With reference to the above mentioned Environmental Clearance letter (File No. J-11011/1267/2007-IA II (I)) dated 7th August, 2018, we do hereby submit six monthly Compliance Report for the period of October, 2022 to March, 2023 for expansion of integrated steel plant & captive power plant at village Punjipatra, District Raigarh in Chhattisgarh.

Thanking you,

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

SCANIA STEELS & POWERS LIMITED

Director

Sanjay Gadodia
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. 7th August, 2018

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

SL. NO.	CONDITIONS	STATUS AS ON 22.06.2023
A.	SPECIFIC CONDITION	
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^3.	The particulate matter emission from the process stacks have been reduced to 30 mg/Nm^3. 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^3. Monthly stack emission monitoring reports for six months have been attached as **Annexure-1**. **Complied.**
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 16th November, 2009.	The particulate matter emission from all the process stacks have been reduced to 30 mg/Nm^3 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 **Annexure-3**. **Complied.**
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 16th 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 **Annexure-5**. Complied.
B.	GENERAL CONDITION	
1)	An amount of Rs 225 Lakhs proposed towards Corporate Environment Responsibility (CER) shall be utilized as capital expenditure in project mode. The project shall be completed in concurrence with the implementation of the expansion	**Being complied.**

	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.	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. **Complied.**
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.	**Being complied.**
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 30th May 2008 as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	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 **Annexure-2**. **Complied.**
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.	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 **Annexure-5.** **Complied.**
c.	install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and	Continuous ambient air quality monitoring system has been installed for the air quality parameters of PM_{10}, $PM_{2.5}$, SO_2 and NO_X.

	downwind directions; and	**Complied.**
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.	Monthly summary report of continuous stack emission has been attached as **Annexure-2**. The same for continuous air quality monitoring is also enclosed as **Annexure-4**. Results of manual stack monitoring and manual monitoring of air quality / fugitive emissions for six months are attached as **Annexure-1, Annexures-3** and **Annexure-5** respectively. **Complied.**
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 30th May 2008; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	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 & greenery purpose inside the plant. 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. The analysis report of Cooling Discharge Water for the samples, taken for six months has been attached as **Annexure-6**. **Complied.**
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	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 **Annexure-7.** **Complied.**
c)	submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	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

<table>
<tr><td></td><td></td><td>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. The company will install Sewage Treatment Plant (STP) in future.

The analysis report of Cooling Discharge Water for the samples, taken for six months is attached as Annexure-6.

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 Annexure-7.

Complied.</td></tr>
<tr><td>6)</td><td>The project proponent shall (Air Pollution Control):</td><td></td></tr>
<tr><td>a)</td><td>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.</td><td>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:
<table>
<tr><th>Pollution Sources</th><th>Mitigation Measures</th></tr>
<tr><td colspan="2">Sponge Iron Plant:</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 & Product Separation Area</td><td>Bag Filter</td></tr>
<tr><td colspan="2">Steel Melting Shop:</td></tr>
<tr><td>Fumes from Furnaces (IF / LRF)</td><td>Bag Filter</td></tr>
</table>
Complied.</td></tr>
<tr><td>b)</td><td>provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags;</td><td>Available.

Complied.</td></tr>
</table>

<table>
<tr><td>c)</td><td>provide pollution control system in the steel plant as per the CREP Guidelines of CPCB;</td><td>
<table>
<tr><th>SN</th><th>Unit / Item</th><th>Responsibilities</th><th>Extent of fulfillment</th></tr>
<tr><td>1.</td><td>DRI</td><td>Utilisation of dolochar & waste gas</td><td>Waste gas shall be used in the WHR Boiler. Dolochar is used for power generation by the power generation companies.</td></tr>
<tr><td>2</td><td>SMS</td><td>To reduce fugitive emission by installing a secondary de-dusting system</td><td>Secondary de-dusting facility envisaged to reduce the fugitive emission.</td></tr>
<tr><td>3.</td><td>SMS</td><td>Utilisation of SMS Slag</td><td>100% utilization will be explored.</td></tr>
<tr><td>4.</td><td>Water conservation/ pollution</td><td>Reduce specific water consumption to 5 m^3/t for long products and 8 m^3/t for flat products.</td><td>The statutory norms are being complied to.</td></tr>
<tr><td>5.</td><td>Stack & AAQ</td><td>Installation of Continuous stack monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations.</td><td>Complied.</td></tr>
<tr><td>6.</td><td>APCS</td><td>To operate the pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect.</td><td>Being complied.</td></tr>
</table>
Complied.
</td></tr>
<tr><td>d)</td><td>provide sufficient number of mobile or stationery vacuum cleaners to clean plant roads, shop floors, roofs regularly;</td><td>Provided.

Complied.</td></tr>
<tr><td>e)</td><td>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;</td><td>Being followed.

Complied.</td></tr>
<tr><td>f)</td><td>ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation;</td><td>Raw materials like Iron Ore, Coal, Dolomite, etc. are stored in the raw material yard from where they are conveyed to the stock house kept in day bins by feeding into ground hopper and covered conveyors.</td></tr>
</table>

		Complied.
g)	provide wind shelter fence and chemical spraying on the raw material stock piles.	Provided. Complied.
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. **Complied.**
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. **Complied.**
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^3/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^3,

		Recharge shaft 40 m with filter media 4M*2M*2M Provided with proper drainage system. Roof Top Rain Water Harvesting structure (De-siltation + Filter pit with recharge shaft):- 2 **Numbers:** 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^3, without recharge shaft 2) Roof top dimension of Stock shed 6M X 20M with recharge pit dimension 3 x 2.5 x 2 m^3 with 40 m shaft. 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). **Complied.**
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.	All efforts have been made to minimise the use of fresh water by recycling the entire effluent water. **Complied.**
9)	The project proponent shall (Energy Conservation):	
a)	provide waste heat recovery system on the DRI Kilns;	Action has been taken to install Waste Heat Recovery Boiler to utilize the waste heat, generated from DRI kilns (4 Nos.) in steam generation which in-turn can generate 8 MW power. **Being complied.**
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	Shall be provided. **Being complied.**
c)	provide the project proponent for LED lights in their offices and residential areas;	LED lights have been provided in the plant office and the residential areas. **Complied.**
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 same including carbon sequestration including plantation.	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. Hence, GHG (CO_2 & 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. **Complied.**
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. **Complied.**
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) **Complied.**
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.	**Complied.**
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.	**Being complied.**
18)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	**Agreed.**
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).	**Agreed**
20)	The waste oil, grease and other hazardous waste shall be disposed of as per the	Used oils removed from machinery, gear boxes, compressors etc. are collected in

	Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	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 **Annexure-10**. **Complied.**
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 **Annexure-8**. **Complied.**
22)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	**Complied.**
23)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	**Being complied.**
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. **Complied.**
b.	put on the clearance letter on the web site of the company for access to the public.	**Being Complied.**
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 http:/ envfor.nic.in.	Already done. The copy of the advertisement in two local newspapers has been attached as **Annexure-9.**
d.	upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same	**Agreed and being complied.**

	periodically;	
e.	monitor the criteria pollutants level namely; PM_{10}, SO_2, NO_X (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company;	**Being complied.**
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;	**Being complied.**
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;	**Being complied.**
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.	**Shall be done.**
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, 14th September, 2006, as amended, subject to strict compliance of the above conditions.	-
29.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	-
30.0	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	-
30.0	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and that during their presentation to the Expert Appraisal	**Agreed and shall be complied.**

	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.	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 **Annexure-10**. The copy of the policy under the Public Liability Insurance Act, 1991 is also attached as **Annexure-11**.
32.0	This EC is issued in supersession of earlier EC vide F. No. J- 11011/1267/2007-IA.II(I) dated 5th 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 - 2022 to March - 2023)

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-1

No. 2022-23/EEPL/MON/SC/210 28.10.2022

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	14.10.2022
Time of Sampling	10:10 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)	110
2	Barometric Pressure (mmHg)	-	751
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.53
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	90277
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	7.9
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	25.1
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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.

ENVIROTECH EAST PVT. LTD. Kalikapur, Madurdaha Kolkata 700107

(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-1

No. 2022-23/EEPL/MON/SC/211 28.10.2022

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	14.10.2022
Time of Sampling	13:30 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)	102
2	Barometric Pressure (mmHg)	-	751
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.8
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	93042
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.1
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	22.2
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(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**
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CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/223 29.11.2022

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	15.11.2022
Time of Sampling	10:00 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)	106
2	Barometric Pressure (mmHg)	-	752
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.8
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	93761
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	7.7
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	23.0
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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

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CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/224 29.11.2022

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	15.11.2022
Time of Sampling	13:00 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)	115
2	Barometric Pressure (mmHg)	-	752
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.4
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	96296
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.0
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	24.0
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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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- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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

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CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/231 27.12.2022

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. Scania Steels & Powers Ltd.** **(Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.**
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	13.12.2022
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)	123
2	Barometric Pressure (mmHg)	-	753
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.06
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	90750
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.2
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	21.3
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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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- 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

No. 2022-23/EEPL/MON/SC/232 27.12.2022

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. Scania Steels & Powers Ltd.** **(Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address	22 KM Stone Gharghoda Road, Vill: Panjipatra, Raigarh, Pin: 496 011
Date of Sampling	13.12.2022
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)	119
2	Barometric Pressure (mmHg)	-	753
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.76
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	90462
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.4
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	27.0
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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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- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/240 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	09.01.2023
Time of Sampling	10:15 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)	121
2	Barometric Pressure (mmHg)	-	754
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.1
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	92803
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.6
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	29.0
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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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	09.01.2023
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)	125
2	Barometric Pressure (mmHg)	-	754
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.9
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	98523
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.7
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	25.4
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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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- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/248 28.02.2023

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	13.02.2023
Time of Sampling	10:50 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)	126
2	Barometric Pressure (mmHg)	-	750
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.7
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	96439
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.5
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	25.7
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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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- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

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CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/249 28.02.2023

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	13.02.2023
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)	129
2	Barometric Pressure (mmHg)	-	750
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.8
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	96120
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.0
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	27.3
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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)

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; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/255 23.03.2023

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	10.03.2023
Time of Sampling	10:40 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)	124
2	Barometric Pressure (mmHg)	-	750
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	10.95
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	90471
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.1
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	23.8
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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.

ENVIROTECH EAST PVT. LTD. Kalikapur, Madurdaha Kolkata 700107

(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; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

ANX-1

No. 2022-23/EEPL/MON/SC/256 23.03.2023

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	10.03.2023
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)	-	750
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.55
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	96157
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.4
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	US EPA, Method 7	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	26.6
10	Concentration of PM (mg/Nm^3) at 12% CO_2	-	
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.

ENVIROTECH EAST PVT. LTD. Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

	Stack_1_ESP_Sponge_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
Limit	100	-NA-	100	-NA-
Min	24.77	57.42	1.13	5.95
Max	25.13	58.93	22.1	17.9
Avg	24.97	58.3	20.79	17.07

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	2022-10-02 00:00:00	24.956	58.445	21.311	17.566
2	2022-10-03 00:00:00	25.053	57.42	21.791	17.673
3	2022-10-04 00:00:00	24.962	58.354	21.267	17.232
4	2022-10-05 00:00:00	25.004	58.216	21.591	17.538
5	2022-10-06 00:00:00	25.072	58.815	21.268	17.333
6	2022-10-07 00:00:00	25.127	58.797	21.14	17.186
7	2022-10-08 00:00:00	24.894	58.014	21.671	16.927
8	2022-10-09 00:00:00	24.981	58.731	21.028	17.028
9	2022-10-10 00:00:00	24.851	58.755	21.303	17.411
10	2022-10-11	25.012	58.934	21.319	17.867

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
	00:00:00				
11	2022-10-12 00:00:00	24.918	57.932	21.441	17.499
12	2022-10-13 00:00:00	24.842	58.199	21.586	17.17
13	2022-10-14 00:00:00	25.018	57.491	21.921	17.003
14	2022-10-15 00:00:00	25.041	57.973	21.803	17.777
15	2022-10-16 00:00:00	24.94	58.032	21.873	17.85
16	2022-10-17 00:00:00	24.987	58.112	21.457	17.832
17	2022-10-18 00:00:00	25.025	57.871	21.403	17.903
18	2022-10-19 00:00:00	24.954	57.96	20.934	17.226
19	2022-10-20 00:00:00	25.013	58.402	21.713	17.2
20	2022-10-21 00:00:00	24.773	58.517	21.707	17.448
21	2022-10-22 00:00:00	24.933	58.488	21.171	17.602
22	2022-10-23 00:00:00	25.049	58.702	21.358	17.79
23	2022-10-24 00:00:00	25.09	58.73	21.371	17.058
24	2022-10-25	24.896	58.668	21.349	17.683

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
	00:00:00				
25	2022-10-26 00:00:00	24.99	58.757	21.324	17.49
26	2022-10-27 00:00:00	24.921	58.004	21.542	17.53
27	2022-10-28 00:00:00	24.952	57.754	21.398	17.55
28	2022-10-29 00:00:00	24.956	NA	21.321	17.238
29	2022-10-30 00:00:00	24.92	NA	21.033	17.323
30	2022-10-31 00:00:00	25	NA	22.1	17.14
31	2022-11-01 00:00:00	24.885	NA	1.125	5.948

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

	Stack_1_ESP_Sponge_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
Limit	100	-NA-	100	-NA-
Min	18.5	0	21.25	17.14
Max	25.08	0	43.1	30.32
Avg	22.23	NAN	26.9	25.1

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	2022-11-02 00:00:00	24.854	NA	21.252	17.969
2	2022-11-03 00:00:00	24.82	NA	21.296	17.658
3	2022-11-04 00:00:00	24.984	NA	21.727	17.785
4	2022-11-05 00:00:00	25.078	NA	21.876	17.66
5	2022-11-06 00:00:00	24.955	NA	21.71	17.564
6	2022-11-07 00:00:00	24.791	NA	21.855	17.137
7	2022-11-08 00:00:00	25.03	NA	21.654	17.467
8	2022-11-09 00:00:00	24.992	NA	21.334	17.645
9	2022-11-10 00:00:00	NA	NA	NA	NA
10	2022-11-11	NA	NA	NA	NA

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
	00:00:00				
11	2022-11-12 00:00:00	NA	NA	NA	NA
12	2022-11-13 00:00:00	NA	NA	NA	NA
13	2022-11-14 00:00:00	NA	NA	NA	NA
14	2022-11-15 00:00:00	NA	NA	NA	NA
15	2022-11-16 00:00:00	NA	NA	NA	NA
16	2022-11-17 00:00:00	NA	NA	NA	NA
17	2022-11-18 00:00:00	18.5	NA	29.941	30.318
18	2022-11-19 00:00:00	20	NA	28.918	30.166
19	2022-11-20 00:00:00	20	NA	28.835	29.949
20	2022-11-21 00:00:00	20	NA	28.862	30.08
21	2022-11-22 00:00:00	20	NA	28.604	30.286
22	2022-11-23 00:00:00	20	NA	28.902	30.107
23	2022-11-24 00:00:00	20	NA	28.863	30.265
24	2022-11-25	19.986	NA	28.903	30.069

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
	00:00:00				
25	2022-11-26 00:00:00	20	NA	28.834	30.176
26	2022-11-27 00:00:00	NA	NA	28.758	30.215
27	2022-11-28 00:00:00	NA	NA	28.822	30.144
28	2022-11-29 00:00:00	NA	NA	28.853	30.163
29	2022-11-30 00:00:00	NA	NA	28.805	30.196
30	2022-12-01 00:00:00	NA	NA	43.1	19.2

VASTHI ENVIRO
Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

Range	0-500	0-250	0-1000	0-1000
Unit	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3
Limit	100	-NA-	100	-NA-
Min	20	0	28.72	29.83
Max	20	0	37.9	34.9
Avg	20	NAN	29.14	30.31

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	2022-12-02 00:00:00	NA	NA	28.788	30.164
2	2022-12-03 00:00:00	NA	NA	28.838	30.143
3	2022-12-04 00:00:00	NA	NA	28.821	30.177
4	2022-12-05 00:00:00	NA	NA	28.867	30.215
5	2022-12-06 00:00:00	NA	NA	28.842	30.153
6	2022-12-07 00:00:00	NA	NA	28.811	30.193
7	2022-12-08 00:00:00	NA	NA	28.885	30.172
8	2022-12-09 00:00:00	NA	NA	28.827	30.126
9	2022-12-10 00:00:00	NA	NA	28.837	30.178
10	2022-12-11 00:00:00	NA	NA	28.819	30.179
11	2022-12-12 00:00:00	NA	NA	NA	NA

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
12	2022-12-13 00:00:00	NA	NA	28.832	30.219
13	2022-12-14 00:00:00	NA	NA	28.825	30.122
14	2022-12-15 00:00:00	NA	NA	28.813	30.16
15	2022-12-16 00:00:00	20	NA	29.087	29.827
16	2022-12-17 00:00:00	NA	NA	28.931	30.127
17	2022-12-18 00:00:00	NA	NA	28.768	30.176
18	2022-12-19 00:00:00	NA	NA	28.909	30.18
19	2022-12-20 00:00:00	NA	NA	28.792	30.126
20	2022-12-21 00:00:00	NA	NA	28.827	30.085
21	2022-12-22 00:00:00	NA	NA	28.893	30.182
22	2022-12-23 00:00:00	NA	NA	28.716	30.12
23	2022-12-24 00:00:00	NA	NA	28.927	30.129
24	2022-12-25 00:00:00	NA	NA	28.833	30.124
25	2022-12-26 00:00:00	NA	NA	28.749	30.124

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
26	2022-12-27 00:00:00	NA	NA	28.814	30.195
27	2022-12-28 00:00:00	NA	NA	28.889	30.212
28	2022-12-29 00:00:00	NA	NA	28.813	30.119
29	2022-12-30 00:00:00	NA	NA	28.797	30.164
30	2022-12-31 00:00:00	NA	NA	28.816	30.184
31	2023-01-01 00:00:00	NA	NA	37.9	34.9

VASTHI ENVIRO
Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

Range	0-500	0-250	0-1000	0-1000
Unit	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3
Limit	100	-NA-	100	-NA-
Min	0	0	28.76	30.08
Max	0	0	28.91	30.22
Avg	NAN	NAN	28.84	30.14

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	2023-01-02 00:00:00	NA	NA	28.804	30.144
2	2023-01-03 00:00:00	NA	NA	28.832	30.163
3	2023-01-04 00:00:00	NA	NA	28.845	30.121
4	2023-01-05 00:00:00	NA	NA	28.822	30.137
5	2023-01-06 00:00:00	NA	NA	28.764	30.175
6	2023-01-07 00:00:00	NA	NA	28.821	30.141
7	2023-01-08 00:00:00	NA	NA	28.837	30.121
8	2023-01-09 00:00:00	NA	NA	28.824	30.117
9	2023-01-10 00:00:00	NA	NA	28.874	30.124
10	2023-01-11 00:00:00	NA	NA	28.906	30.077
11	2023-01-12 00:00:00	NA	NA	28.871	30.217

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
12	2023-01-13 00:00:00	NA	NA	NA	NA
13	2023-01-14 00:00:00	NA	NA	NA	NA
14	2023-01-15 00:00:00	NA	NA	NA	NA
15	2023-01-16 00:00:00	NA	NA	NA	NA
16	2023-01-17 00:00:00	NA	NA	NA	NA
17	2023-01-18 00:00:00	NA	NA	NA	NA
18	2023-01-19 00:00:00	NA	NA	NA	NA
19	2023-01-20 00:00:00	NA	NA	NA	NA
20	2023-01-21 00:00:00	NA	NA	NA	NA
21	2023-01-22 00:00:00	NA	NA	NA	NA
22	2023-01-23 00:00:00	NA	NA	NA	NA
23	2023-01-24 00:00:00	NA	NA	NA	NA
24	2023-01-25 00:00:00	NA	NA	NA	NA
25	2023-01-26 00:00:00	NA	NA	NA	NA

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
26	2023-01-27 00:00:00	NA	NA	NA	NA
27	2023-01-28 00:00:00	NA	NA	NA	NA
28	2023-01-29 00:00:00	NA	NA	NA	NA
29	2023-01-30 00:00:00	NA	NA	NA	NA
30	2023-01-31 00:00:00	NA	NA	NA	NA
31	2023-02-01 00:00:00	NA	NA	NA	NA

VASTHI ENVIRO
Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

Range	0-500	0-250	0-1000	0-1000
Unit	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3
Limit	100	-NA-	100	-NA-
Min	23.88	24.49	10.9	21.9
Max	33.97	32.9	29.04	31.04
Avg	27.62	31.96	28.15	29.88

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	2023-02-02 00:00:00	NA	NA	NA	NA
2	2023-02-03 00:00:00	23.881	24.487	27.848	31.045
3	2023-02-04 00:00:00	27.53	32.769	28.744	30.044
4	2023-02-05 00:00:00	27.456	32.345	28.826	30.146
5	2023-02-06 00:00:00	27.441	32.597	28.852	30.159
6	2023-02-07 00:00:00	27.576	32.667	28.786	30.116
7	2023-02-08 00:00:00	27.74	32.257	28.834	30.103
8	2023-02-09 00:00:00	27.823	32.412	28.715	30.082
9	2023-02-10 00:00:00	27.153	31.418	29.036	30.131
10	2023-02-11 00:00:00	27.423	32.832	28.807	30.165
11	2023-02-12 00:00:00	27.599	32.629	28.815	30.178

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
12	2023-02-13 00:00:00	27.484	32.44	28.819	30.178
13	2023-02-14 00:00:00	27.604	32.335	28.821	30.098
14	2023-02-15 00:00:00	27.435	32.426	28.695	30.207
15	2023-02-16 00:00:00	27.619	32.525	28.89	30.112
16	2023-02-17 00:00:00	27.606	32.289	28.813	30.139
17	2023-02-18 00:00:00	27.484	32.898	28.841	30.172
18	2023-02-19 00:00:00	27.636	32.43	28.838	30.163
19	2023-02-20 00:00:00	27.43	32.534	28.825	30.142
20	2023-02-21 00:00:00	27.546	32.556	28.863	30.163
21	2023-02-22 00:00:00	27.567	32.746	28.779	30.109
22	2023-02-23 00:00:00	27.491	32.342	28.849	30.145
23	2023-02-24 00:00:00	27.5	32.375	28.854	30.232
24	2023-02-25 00:00:00	27.587	32.32	28.833	30.148
25	2023-02-26 00:00:00	27.428	32.267	28.833	30.128

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_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)
26	2023-02-27 00:00:00	27.495	32.506	28.842	30.14
27	2023-02-28 00:00:00	27.564	32.595	28.857	30.197
28	2023-03-01 00:00:00	27.35	32.333	28.794	30.128
29	2023-03-02 00:00:00	33.966	26.509	10.9	21.9

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

	Stack_1_ESP_Sponge_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
Unit	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3
Limit	100	-NA-	100	-NA-
Min	27.31	32.24	28.73	30.09
Max	27.76	36.86	37.1	40.3
Avg	27.54	32.69	29.1	30.5

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	2023-03-02 00:00:00	27.502	32.441	28.888	30.144
2	2023-03-03 00:00:00	27.755	32.617	28.805	30.167
3	2023-03-04 00:00:00	27.369	32.595	28.771	30.117
4	2023-03-05 00:00:00	27.505	32.507	28.813	30.15
5	2023-03-06 00:00:00	27.468	32.359	28.787	30.164
6	2023-03-07 00:00:00	27.598	32.266	28.735	30.106
7	2023-03-08 00:00:00	27.533	32.241	28.776	30.139
8	2023-03-09 00:00:00	27.586	32.668	28.865	30.152
9	2023-03-10 00:00:00	27.51	32.354	28.916	30.182

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
10	2023-03-11 00:00:00	27.741	32.833	28.738	30.266
11	2023-03-12 00:00:00	27.523	32.275	28.861	30.117
12	2023-03-13 00:00:00	27.62	32.605	28.798	30.144
13	2023-03-14 00:00:00	27.553	32.608	28.856	30.134
14	2023-03-15 00:00:00	27.603	32.28	28.86	30.181
15	2023-03-16 00:00:00	27.747	32.486	28.861	30.157
16	2023-03-17 00:00:00	27.464	32.744	28.821	30.154
17	2023-03-18 00:00:00	27.506	32.549	28.888	30.18
18	2023-03-19 00:00:00	27.518	32.468	28.833	30.158
19	2023-03-20 00:00:00	27.534	32.646	28.837	30.209
20	2023-03-21 00:00:00	27.365	32.655	28.808	30.151
21	2023-03-22 00:00:00	27.508	32.552	28.835	30.266
22	2023-03-23 00:00:00	27.656	32.814	28.801	30.137
23	2023-03-24 00:00:00	27.504	32.313	28.814	30.195

VASTHI ENVIRO

Industry: M/s Scania Steels and Powers Limited (Formerly Known as Sidhi Vinayak Sponge Iron Pvt Ltd),
Industry Code: 08CG336
Industry Category: Steel & Iron
Industry Type: Emission
Station : Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln
Raigarh,Chhattisgarh
22 KM Mile Stone,Vil- Punjipatra Gharghoda Road, P.O.-Ruma Suma, District Raigarh

SL	Datentime	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(PM)	Stack_1_ESP_Sponge_Iron2x100_TPD_DRI_Kiln_1_2(SO2)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(PM)	Stack_2_ESP_Sponge_Iron_2x100_TPD_DRI_3and4Kiln(SO2)
24	2023-03-25 00:00:00	27.538	32.421	28.889	30.118
25	2023-03-26 00:00:00	27.374	32.779	28.849	30.17
26	2023-03-27 00:00:00	27.529	32.622	28.795	30.129
27	2023-03-28 00:00:00	27.313	32.854	28.915	30.174
28	2023-03-29 00:00:00	27.593	32.785	28.777	30.093
29	2023-03-30 00:00:00	27.575	32.471	28.851	30.154
30	2023-03-31 00:00:00	27.671	36.862	37.1	40.3

ANNEXURE-3

Ambient Air Quality Monitoring Report (October, 2022 to March, 2023)

Envirotech

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; eeplkol2@gmail.com

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

AMBIENT AIR QUALITY MONITORING REPORT

TABLE: - I

Onsite Ambient Air Quality Monitoring Results

Location | Project Site

(Period: October, 2022 To March, 2023)

DATE	PM_{10} (µg/m3)	$PM_{2.5}$ (µg/m3)	SO_2 (µg/m3)	NO_2 (µg/m3)
04.10.2022	87	39	12	30
07.10.2022	70	32	15	23
11.10.2022	78	37	17	35
14.10.2022	73	34	13	24
18.10.2022	84	38	16	31
21.10.2022	92	44	15	27
25.10.2022	79	38	19	22
28.10.2022	71	31	12	29
01.11.2022	94	46	14	34
04.11.2022	89	41	19	25
08.11.2022	83	37	13	22
11.11.2022	78	31	17	28
15.11.2022	91	43	14	26
18.11.2022	97	47	19	31
22.11.2022	82	34	15	37
25.11.2022	97	48	17	28
02.12.2022	85	40	13	23
06.12.2022	90	43	18	41
09.12.2022	81	37	15	26
13.12.2022	91	45	12	34
16.12.2022	96	46	16	37
20.12.2022	78	35	18	31
23.12.2022	85	40	15	34
27.12.2022	91	44	12	29
29.12.2022	70	32	21	22
03.01.2023	77	35	16	28
06.01.2023	97	47	14	31

Cont…….

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

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

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

CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - I

Onsite Ambient Air Quality Monitoring Results

Location | Project Site

(Period: October, 2022 To March, 2023)

DATE	PM_{10}	$PM_{2.5}$	SO_2	NO_2
	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)
10.01.2023	85	40	18	37
13.01.2023	82	36	16	33
17.01.2023	74	33	20	24
20.01.2023	91	45	12	29
24.01.2023	85	39	15	39
27.01.2023	79	36	18	23
01.02.2023	77	34	14	36
04.02.2023	87	42	12	28
08.02.2023	79	36	13	22
11.02.2023	97	48	16	34
15.02.2023	82	39	13	25
18.02.2023	86	41	17	30
22.02.2023	77	35	14	27
25.02.2023	73	32	18	24
01.03.2023	84	38	15	35
04.03.2023	76	32	13	26
08.03.2023	81	37	16	41
11.03.2023	75	33	14	24
15.03.2023	97	47	21	29
18.03.2023	89	42	16	24
22.03.2023	82	38	13	29
25.03.2023	87	40	18	36
29.03.2023	93	45	15	32

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech

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; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

ANX-3

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

AMBIENT AIR QUALITY MONITORING REPORT

TABLE: - 2

Onsite Ambient Air Quality Monitoring Results

Location | Samaruma Village

(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
04.10.2022	78	37	8	23
07.10.2022	61	26	13	18
11.10.2022	66	30	12	26
14.10.2022	79	37	10	19
18.10.2022	71	31	9	24
21.10.2022	65	30	12	18
25.10.2022	76	35	8	26
28.10.2022	60	27	11	20
01.11.2022	66	30	12	17
04.11.2022	77	37	9	21
08.11.2022	63	25	10	23
11.11.2022	72	33	8	18
15.11.2022	70	31	10	21
18.11.2022	81	39	9	18
22.11.2022	68	31	12	26
25.11.2022	85	42	9	22
02.12.2022	70	32	13	16
06.12.2022	83	39	11	27
09.12.2022	64	28	14	24
13.12.2022	79	36	13	20
16.12.2022	75	33	10	17
20.12.2022	87	42	13	22
23.12.2022	68	29	11	26
27.12.2022	77	35	8	18
29.12.2022	70	32	10	25
03.01.2023	65	28	12	16

Cont.....

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; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - 2

Onsite Ambient Air Quality Monitoring Results

Location | Samaruma Village

(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
06.01.2023	72	34	11	20
10.01.2023	62	27	9	22
13.01.2023	72	32	12	24
17.01.2023	83	39	11	31
20.01.2023	70	32	15	24
24.01.2023	63	28	9	27
27.01.2023	74	35	10	20
01.02.2023	67	30	12	26
04.02.2023	75	35	8	22
08.02.2023	70	33	12	24
11.02.2023	63	26	10	19
15.02.2023	77	37	9	28
18.02.2023	83	39	13	21
22.02.2023	67	28	10	30
25.02.2023	72	33	12	24
01.03.2023	69	30	9	18
04.03.2023	75	35	10	23
08.03.2023	63	28	14	21
11.03.2023	73	34	12	26
15.03.2023	61	27	8	31
18.03.2023	77	36	13	24
22.03.2023	69	31	9	27
25.03.2023	60	26	11	23
29.03.2023	76	36	13	31

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-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

AMBIENT AIR QUALITY MONITORING REPORT

TABLE: - 3
Onsite Ambient Air Quality Monitoring Results
Location | Parkipahari Village
(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
04.10.2022	70	33	9	19
07.10.2022	61	27	7	14
11.10.2022	67	31	10	20
14.10.2022	58	23	8	15
18.10.2022	61	27	11	26
21.10.2022	70	32	9	18
25.10.2022	64	25	7	21
28.10.2022	57	21	10	16
01.11.2022	60	27	9	20
04.11.2022	71	33	13	17
08.11.2022	63	25	10	25
11.11.2022	59	24	12	14
15.11.2022	73	33	7	20
18.11.2022	69	30	13	13
22.11.2022	76	35	9	25
25.11.2022	57	22	10	16
02.12.2022	61	26	8	23
06.12.2022	69	30	7	19
09.12.2022	63	27	10	26
13.12.2022	80	37	10	23
16.12.2022	75	33	8	29
20.12.2022	65	28	16	21
23.12.2022	58	21	12	28
27.12.2022	70	32	9	19
29.12.2022	61	24	8	25
03.01.2023	82	38	13	30
06.01.2023	62	23	7	19

Cont…….

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CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - 3

Onsite Ambient Air Quality Monitoring Results

Location | Parkipahari Village

(Period: October, 2022 To March, 2023)

DATE	PM_{10}	$PM_{2.5}$	SO_2	NO_2
	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
10.01.2023	78	37	8	22
13.01.2023	61	22	9	20
17.01.2023	67	30	7	17
20.01.2023	62	27	8	25
24.01.2023	70	32	9	21
27.01.2023	61	23	7	17
01.02.2023	72	34	11	24
04.02.2023	60	23	9	20
08.02.2023	69	31	7	25
11.02.2023	77	35	8	14
15.02.2023	70	29	10	16
18.02.2023	79	36	8	22
22.02.2023	67	29	9	18
25.02.2023	77	36	11	14
01.03.2023	65	26	8	19
04.03.2023	74	34	9	25
08.03.2023	69	33	7	17
11.03.2023	66	30	10	19
15.03.2023	78	35	8	14
18.03.2023	69	30	7	22
22.03.2023	65	28	13	19
25.03.2023	77	35	9	16
29.03.2023	68	30	14	23

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(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-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

AMBIENT AIR QUALITY MONITORING REPORT

TABLE: - 4
Onsite Ambient Air Quality Monitoring Results
Location | Punjipatra Village
(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
04.10.2022	89	42	15	26
07.10.2022	81	36	12	32
11.10.2022	86	41	9	18
14.10.2022	73	34	11	20
18.10.2022	66	31	14	31
21.10.2022	89	44	12	19
25.10.2022	77	35	10	28
28.10.2022	88	40	11	34
01.11.2022	83	37	9	30
04.11.2022	91	44	13	25
08.11.2022	74	33	10	37
11.11.2022	80	38	14	27
15.11.2022	76	35	13	26
18.11.2022	67	29	9	20
22.11.2022	80	38	14	24
25.11.2022	64	28	13	21
02.12.2022	76	35	17	27
06.12.2022	72	34	15	19
09.12.2022	95	47	14	30
13.12.2022	78	35	16	25
16.12.2022	75	32	12	37
20.12.2022	85	40	14	23
23.12.2022	74	34	22	27
27.12.2022	83	40	16	20
29.12.2022	77	36	12	30
03.01.2023	70	32	14	22

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CIN NO : U74210WB1989PTC047403

ANX-3

TABLE: - 4

Onsite Ambient Air Quality Monitoring Results

Location | Punjipatra Village

(Period: October, 2022 To March, 2023)

DATE	PM_{10}	$PM_{2.5}$	SO_2	NO_2
	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
06.01.2023	94	45	13	19
10.01.2023	76	35	15	37
13.01.2023	67	29	20	21
17.01.2023	82	39	16	18
20.01.2023	75	34	13	32
24.01.2023	80	38	18	25
27.01.2023	68	30	23	19
01.02.2023	91	44	10	26
04.02.2023	70	32	12	21
08.02.2023	84	39	9	32
11.02.2023	71	32	11	19
15.02.2023	65	28	10	23
18.02.2023	73	34	12	37
22.02.2023	94	46	14	24
25.02.2023	76	34	13	18
01.03.2023	81	37	19	25
04.03.2023	66	30	15	21
08.03.2023	70	34	13	26
11.03.2023	78	37	12	20
15.03.2023	68	32	16	27
18.03.2023	81	39	18	32
22.03.2023	90	43	13	19
25.03.2023	69	31	19	29
29.03.2023	86	40	15	24

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-3

Table 1		Statistical Analysis of Pollutants (Period: October, 2022 To March, 2023)				
Pollutants	**Locations**	**MES**	**Min**	**Max**	**A.M.**	**P - 98**
PM_{10} ($\mu g/m^3$)	Project Site	50	70	97	84.1	97.0
	Samaruma Village	50	60	87	71.4	85.0
	Parkipahari Village	50	57	82	67.7	80.0
	Punjipatra Village	50	64	95	78.1	94.0
	Overall	**200**	**57**	**97**	**75.3**	**-**
$PM_{2.5}$ ($\mu g/m^3$)	Project Site	50	31	48	38.9	47.5
	Samaruma Village	50	25	42	32.5	41.7
	Parkipahari Village	50	21	38	29.5	36.8
	Punjipatra Village	50	28	47	36.2	46.1
	Overall	**200**	**21**	**48**	**34.3**	**-**
SO_2 ($\mu g/m^3$)	Project Site	50	12	21	15.5	21.0
	Samaruma Village	50	8	15	10.8	14.0
	Parkipahari Village	50	7	16	9.4	14.0
	Punjipatra Village	50	9	23	13.8	22.0
	Overall	**200**	**7**	**23**	**12.4**	**-**
NO_2 ($\mu g/m^3$)	Project Site	50	22	41	29.5	41.0
	Samaruma Village	50	16	31	22.7	31.0
	Parkipahari Village	50	13	30	20.2	29.0
	Punjipatra Village	50	18	37	25.4	37.0
	Overall	**200**	**13**	**41**	**24.5**	**-**

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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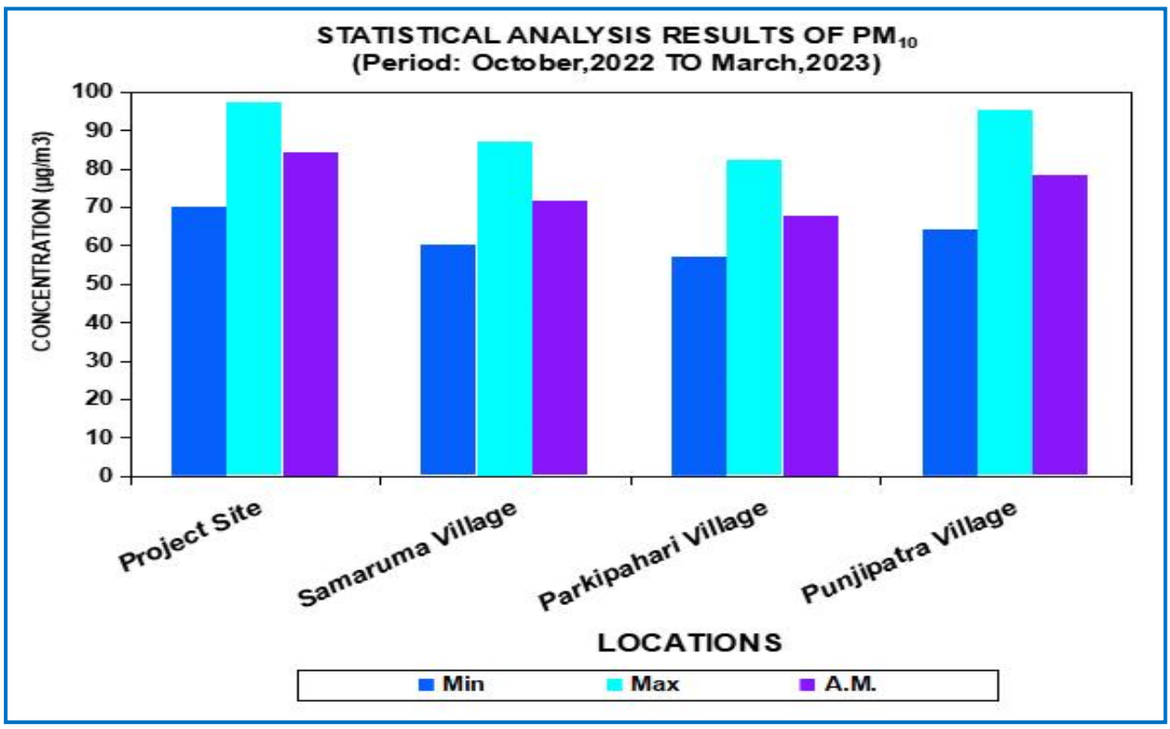
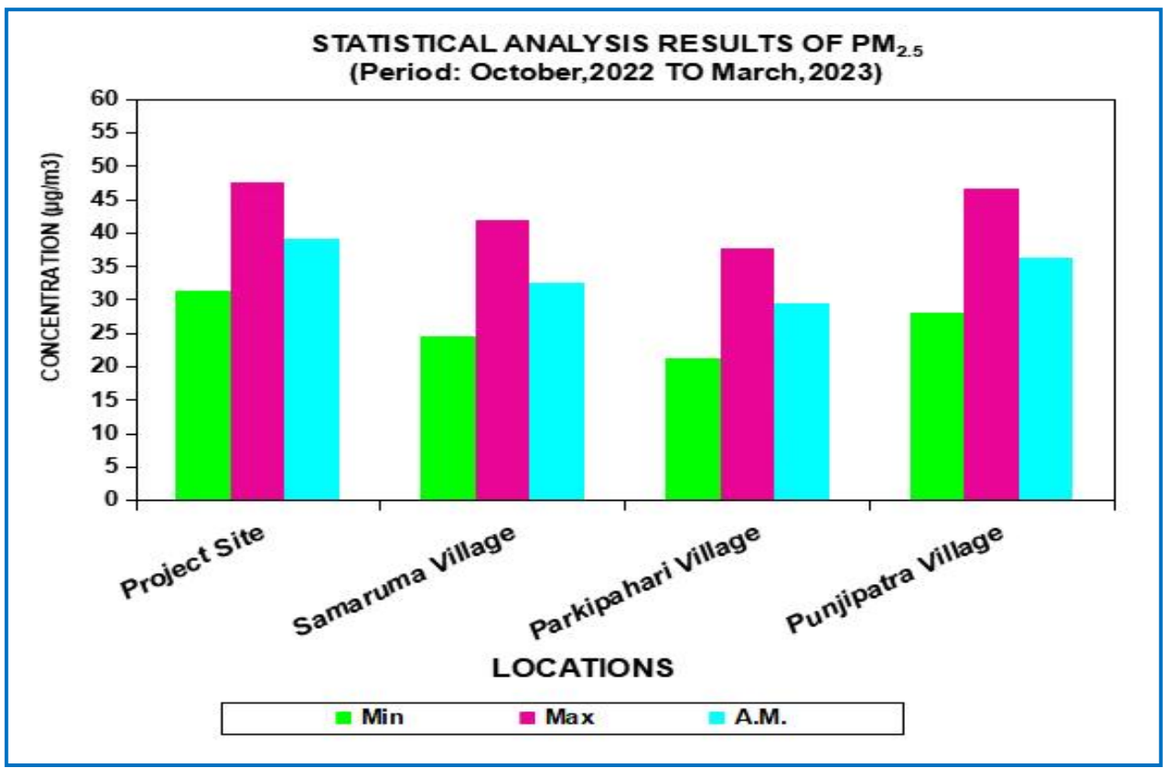
CIN NO : U74210WB1989PTC047403

ANX-3





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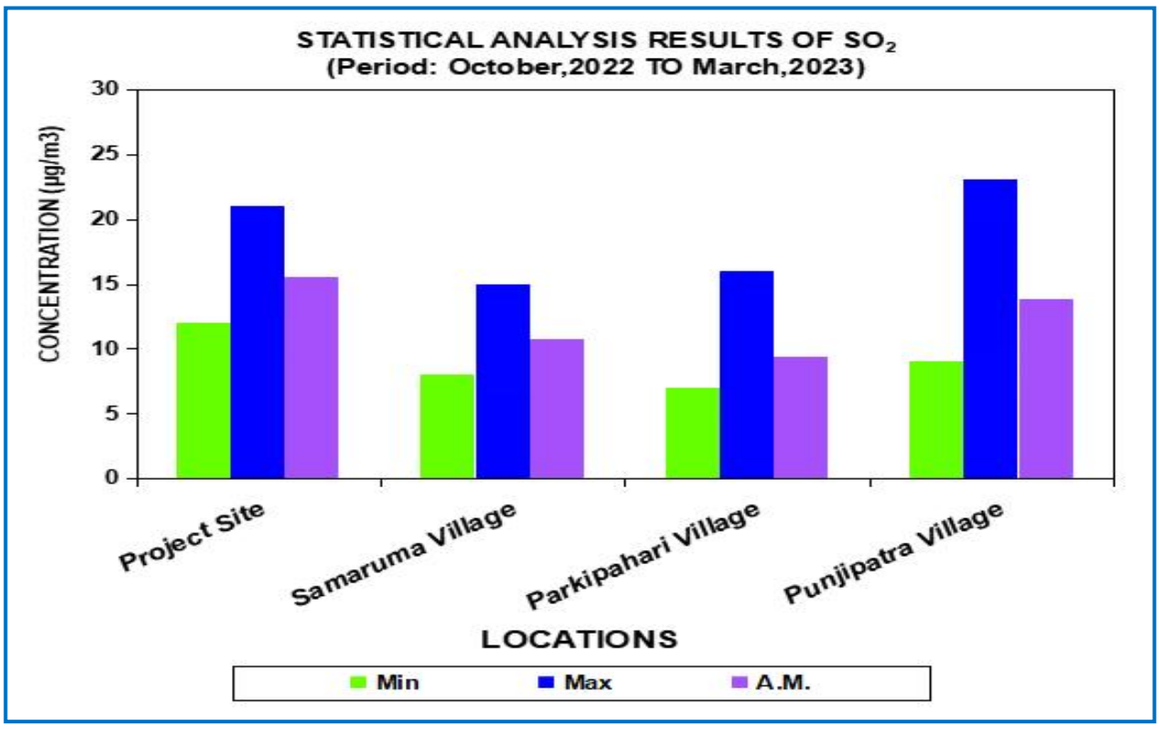
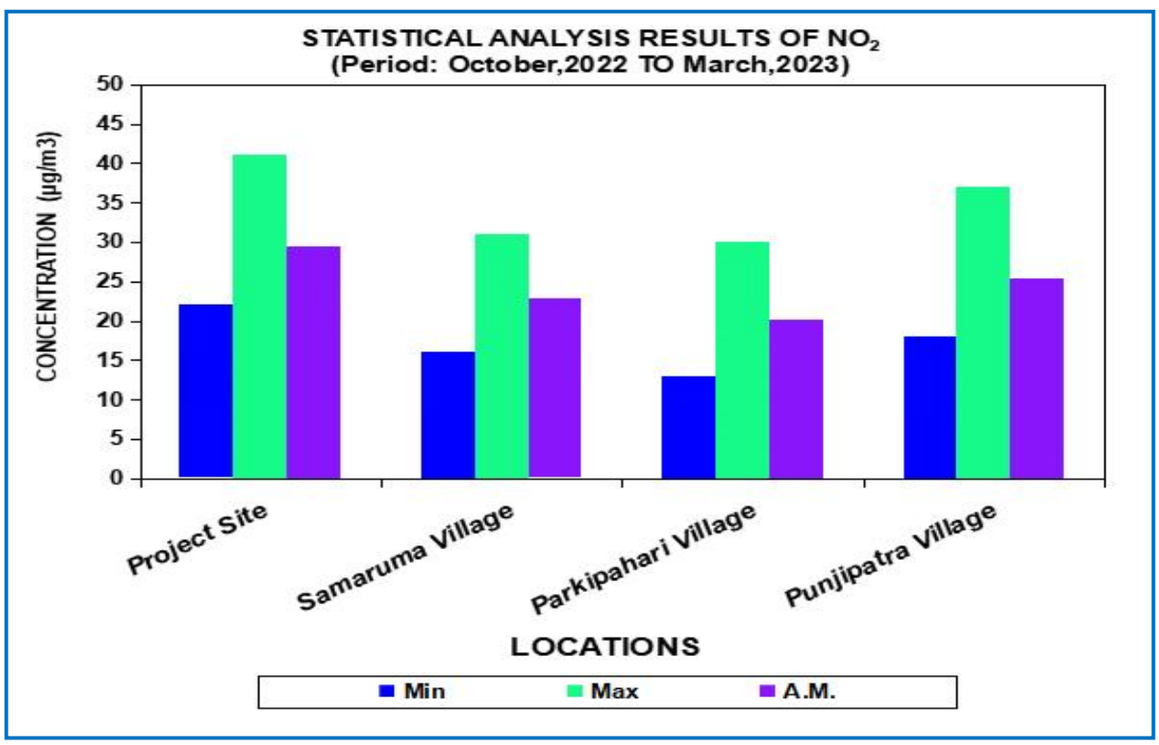
ANX-3





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: 11-11-2022T17:08:48Z To Date: 12-11-2022T17:09:09Z

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	1.14	3.35	2.23	6.19	33.29	61.04	29.52
Minimum Data	0.62	2.99	2.04	5.81	10.73	19.68	22.01
Geometric Mean	0.82	3.26	2.11	6.08	20.49	37.56	23.74
Median	0.8	3.32	2.1	6.12	20.34	37.28	22.73
Standard Deviation	0.12	0.11	0.05	0.11	6.33	11.6	2.2
Maximum Value At Time	2022-10-06 00:00:00	2022-10-14 00:00:00	2022-10-23 00:00:00	2022-10-21 00:00:00	2022-10-30 00:00:00	2022-10-30 00:00:00	2022-10-01 00:00:00
Minimum Value At Time	2022-10-11 00:00:00	2022-10-01 00:00:00	2022-10-04 00:00:00	2022-10-01 00:00:00	2022-10-04 00:00:00	2022-10-04 00:00:00	2022-10-30 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	2022-10-01 00:00:00	0.73	2.99	2.21	5.81	11.79	21.61	29.52
2	2022-10-02 00:00:00	0.79	3.03	2.20	5.85	20.31	37.24	28.31
3	2022-10-03 00:00:00	0.66	3.29	2.11	6.12	14.87	27.26	22.43
4	2022-10-04 00:00:00	0.84	3.34	2.04	6.12	10.73	19.68	22.64
5	2022-10-05 00:00:00	0.86	3.32	2.11	6.15	12.52	22.97	22.76
6	2022-10-06 00:00:00	1.14	3.29	2.11	6.11	15.14	27.76	22.68
7	2022-10-07 00:00:00	0.82	3.29	2.09	6.10	12.97	23.78	22.97
8	2022-10-08 00:00:00	0.99	3.33	2.11	6.16	20.26	37.12	22.85

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)
9	2022-10-09 00:00:00	1.05	3.33	2.12	6.17	20.12	36.89	23.04
10	2022-10-10 00:00:00	0.86	3.26	2.15	6.11	17.94	32.88	23.76
11	2022-10-11 00:00:00	0.62	3.32	2.07	6.11	15.67	28.73	22.62
12	2022-10-12 00:00:00	0.70	3.34	2.08	6.16	13.40	24.59	22.31
13	2022-10-13 00:00:00	0.62	3.32	2.10	6.14	12.47	22.87	23.08
14	2022-10-14 00:00:00	0.71	3.35	2.06	6.14	24.61	45.37	22.62
15	2022-10-15 00:00:00	0.80	3.34	2.06	6.15	20.36	37.33	22.66
16	2022-10-16 00:00:00	0.84	3.29	2.12	6.13	28.45	52.12	23.10
17	2022-10-17 00:00:00	0.84	3.35	2.05	6.14	20.41	37.43	22.97
18	2022-10-18 00:00:00	0.75	3.34	2.06	6.14	23.26	42.63	22.70
19	2022-10-19 00:00:00	0.75	3.33	2.10	6.16	24.52	44.96	22.68
20	2022-10-20 00:00:00	0.88	3.32	2.08	6.13	25.73	47.14	22.68
21	2022-10-21 00:00:00	0.76	3.35	2.10	6.19	22.28	40.84	22.62
22	2022-10-22 00:00:00	0.81	3.16	2.13	5.98	21.97	40.28	25.48
23	2022-10-23 00:00:00	0.78	3.01	2.23	5.85	17.53	32.13	29.22
24	2022-10-24 00:00:00	0.77	3.03	2.18	5.83	16.09	29.50	28.19
25	2022-10-25 00:00:00	0.80	3.13	2.17	5.95	20.60	37.80	25.38
26	2022-10-26 00:00:00	0.85	3.21	2.14	6.04	29.27	53.66	24.62
27	2022-10-27 00:00:00	0.80	3.31	2.08	6.12	26.45	48.31	22.11
28	2022-10-28 00:00:00	0.91	3.31	2.12	6.15	28.41	52.09	22.04
29	2022-10-29 00:00:00	1.06	3.33	2.04	6.11	33.17	60.82	22.18
30	2022-10-30 00:00:00	0.96	3.32	2.07	6.12	33.29	61.04	22.01

Real Time Data Acquisition And Monitoring

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

Report: Custom Report

From Date: 2022/12/01 00:00:00 To Date : 2023/01/31 23:59:55

Description	AAQMS_1-PM10 - (ug/m3) Raw	AAQMS_1-PM2.5 - (ug/m3) Raw	AAQMS_1-SO2 - (ug/m3) Raw	AAQMS_1-NO - (ug/m3) Raw	AAQMS_1-NO2 - (ug/m3) Raw	AAQMS_1-NOx - (ug/m3) Raw	AAQMS_1-CO - (mg/m3) Raw
Prescribed Standards	0 - 100	0 - 60	0 - 80	0 - 80	0 - 80	0 - 80	0 - 4
Maximum Data	108.32	56.85	31.13	3.2	2.29	6.03	1.62
Minimum Data	2.75	1.5	25.99	2.96	2.1	5.81	0.78
Geometric Mean	55.66	28.42	28.06	3.09	2.18	5.91	1.11
Median	56.64	28.28	27.85	3.09	2.18	5.91	1.08
Standard Deviation	23.55	12.79	1.3	0.06	0.04	0.06	0.21
Maximum Value At Time	2023-01-20	2023-01-03	2023-01-26	2023-01-15	2023-01-29	2023-01-19	2023-01-23
Minimum Value At Time	2023-01-14	2023-01-14	2022-12-09	2023-01-29	2023-01-15	2023-01-26	2022-12-15
Valid Data Points	62	62	62	62	62	62	62
Total Data Points	62	62	62	62	62	62	62
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No	Time	AAQMS_1-PM10 - (ug/m3) Raw	AAQMS_1-PM2.5 - (ug/m3) Raw	AAQMS_1-SO2 - (ug/m3) Raw	AAQMS_1-NO - (ug/m3) Raw	AAQMS_1-NO2 - (ug/m3) Raw	AAQMS_1-NOx - (ug/m3) Raw	AAQMS_1-CO - (mg/m3) Raw
1	2022-12-01	64.91	35.41	27.81	3.08	2.19	5.91	1.05
2	2022-12-02	75.59	41.23	28.33	3.10	2.17	5.91	1.09
3	2022-12-03	77.41	42.22	27.83	3.08	2.14	5.86	1.05
4	2022-12-04	73.38	40.03	28.03	3.09	2.18	5.92	1.02
5	2022-12-05	55.96	30.52	27.99	3.07	2.21	5.91	0.93
6	2022-12-06	56.66	30.90	27.60	3.09	2.18	5.91	0.93
7	2022-12-07	53.06	28.94	27.52	3.10	2.18	5.93	0.89
8	2022-12-08	65.17	35.55	26.71	3.13	2.14	5.93	0.99
9	2022-12-09	69.48	37.90	25.99	3.13	2.19	5.98	1.05
10	2022-12-10	65.62	35.79	27.08	3.13	2.15	5.94	1.22
11	2022-12-11	92.29	50.34	27.32	3.13	2.14	5.93	1.27
12	2022-12-12	65.98	35.99	28.31	3.07	2.18	5.89	1.16
13	2022-12-13	50.14	27.34	29.53	3.00	2.25	5.85	0.90
14	2022-12-14	36.33	19.82	29.92	3.02	2.20	5.84	0.80
15	2022-12-15	34.13	18.64	30.24	2.97	2.27	5.84	0.78
16	2022-12-16	35.33	19.26	29.78	3.02	2.21	5.85	0.82
17	2022-12-17	42.68	23.28	28.11	3.05	2.21	5.89	0.84
18	2022-12-18	49.91	27.22	27.24	3.10	2.15	5.90	0.92
19	2022-12-19	52.80	28.80	26.46	3.13	2.15	5.95	0.91
20	2022-12-20	48.01	26.18	27.01	3.08	2.17	5.89	0.90
21	2022-12-21	48.53	26.47	26.81	3.09	2.20	5.93	0.91
22	2022-12-22	58.40	31.86	27.36	3.13	2.18	5.96	1.07
23	2022-12-23	64.21	35.02	28.25	3.08	2.14	5.87	1.11
24	2022-12-24	73.35	40.01	28.32	3.06	2.22	5.91	1.33
25	2022-12-25	70.60	38.50	28.33	3.05	2.21	5.89	1.31
26	2022-12-26	64.62	35.25	28.82	3.03	2.16	5.83	1.38
27	2022-12-27	69.45	37.89	29.18	3.03	2.22	5.87	1.18
28	2022-12-28	48.27	26.33	29.95	3.01	2.23	5.85	0.88
29	2022-12-29	39.78	21.68	28.32	3.04	2.23	5.89	0.86
30	2022-12-30	61.24	33.41	27.88	3.11	2.17	5.93	1.13
31	2022-12-31	56.05	30.58	27.93	3.06	2.18	5.88	1.09
32	2023-01-01	54.37	29.66	28.30	3.07	2.20	5.92	0.96
33	2023-01-02	79.28	43.26	28.39	3.09	2.16	5.91	1.15
34	2023-01-03	104.22	56.85	27.33	3.10	2.18	5.93	1.39
35	2023-01-04	96.29	52.50	27.00	3.12	2.15	5.94	1.37
36	2023-01-05	94.86	51.73	27.54	3.09	2.19	5.94	1.43
37	2023-01-06	56.63	30.88	27.10	3.12	2.17	5.96	0.99
38	2023-01-07	36.10	19.69	26.26	3.16	2.16	6.00	0.81
39	2023-01-08	40.41	22.04	26.01	3.18	2.16	6.02	0.82
40	2023-01-09	35.20	19.20	26.45	3.16	2.16	5.99	0.91
41	2023-01-10	32.97	17.98	26.87	3.11	2.16	5.93	0.89
42	2023-01-11	51.33	28.00	27.30	3.10	2.19	5.93	0.96
43	2023-01-12	90.76	49.50	27.38	3.10	2.20	5.94	1.41
44	2023-01-13	18.30	9.98	26.74	3.17	2.15	5.98	1.34
45	2023-01-14	2.75	1.50	26.82	3.17	2.14	5.99	1.16
46	2023-01-15	2.75	1.50	27.43	3.20	2.10	6.00	1.01
47	2023-01-16	2.75	1.50	27.03	3.17	2.11	5.97	1.02
48	2023-01-17	2.75	1.50	26.62	3.18	2.16	6.00	1.23
49	2023-01-18	2.75	1.50	26.90	3.20	2.10	6.00	1.20
50	2023-01-19	55.38	30.21	26.97	3.20	2.13	6.03	1.27
51	2023-01-20	108.32	52.05	28.38	3.17	2.12	5.97	1.40
52	2023-01-21	76.14	28.55	29.12	3.06	2.22	5.90	1.41
53	2023-01-22	67.06	25.16	27.96	3.05	2.23	5.91	1.52
54	2023-01-23	60.22	22.58	27.83	3.05	2.21	5.88	1.62
55	2023-01-24	56.51	21.19	28.97	3.04	2.19	5.85	1.28
56	2023-01-25	57.13	21.42	30.16	3.01	2.23	5.86	1.49
57	2023-01-26	65.80	24.66	31.13	3.01	2.19	5.81	1.29
58	2023-01-27	58.02	21.77	30.51	2.98	2.25	5.82	1.06
59	2023-01-28	50.03	18.75	30.82	2.98	2.22	5.81	0.97
60	2023-01-29	60.26	22.59	30.69	2.96	2.29	5.84	1.12
61	2023-01-30	63.45	23.80	30.71	2.98	2.25	5.82	1.20
62	2023-01-31	49.01	18.40	29.00	3.12	2.14	5.92	1.09

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: 01-12-2022T00:00:15Z To Date: 31-12-2022T00:00:41Z

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	1.38	3.13	2.27	5.98	50.34	92.29	30.24
Minimum Data	0.78	2.97	2.14	5.83	18.64	34.13	25.99
Geometric Mean	1.02	3.07	2.19	5.9	32.06	58.78	28.07
Median	1.0	3.08	2.18	5.9	32.64	59.82	28.01
Standard Deviation	0.17	0.04	0.03	0.04	7.61	13.95	1.08
Maximum Value At Time	2022-12-26 00:00:00	2022-12-08 00:00:00	2022-12-15 00:00:00	2022-12-09 00:00:00	2022-12-11 00:00:00	2022-12-11 00:00:00	2022-12-15 00:00:00
Minimum Value At Time	2022-12-15 00:00:00	2022-12-15 00:00:00	2022-12-03 00:00:00	2022-12-26 00:00:00	2022-12-15 00:00:00	2022-12-15 00:00:00	2022-12-09 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	2022-12-01 00:00:00	1.05	3.08	2.19	5.91	35.41	64.91	27.81
2	2022-12-02 00:00:00	1.09	3.10	2.17	5.91	41.23	75.59	28.33
3	2022-12-03 00:00:00	1.05	3.08	2.14	5.86	42.22	77.41	27.83
4	2022-12-04 00:00:00	1.02	3.09	2.18	5.92	40.03	73.38	28.03
5	2022-12-05 00:00:00	0.93	3.07	2.21	5.91	30.52	55.96	27.99
6	2022-12-06 00:00:00	0.93	3.09	2.18	5.91	30.90	56.66	27.60
7	2022-12-07 00:00:00	0.89	3.10	2.18	5.93	28.94	53.06	27.52
8	2022-12-08 00:00:00	0.99	3.13	2.14	5.93	35.55	65.17	26.71

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)
9	2022-12-09 00:00:00	1.05	3.13	2.19	5.98	37.90	69.48	25.99
10	2022-12-10 00:00:00	1.22	3.13	2.15	5.94	35.79	65.62	27.08
11	2022-12-11 00:00:00	1.27	3.13	2.14	5.93	50.34	92.29	27.32
12	2022-12-12 00:00:00	1.16	3.07	2.18	5.89	35.99	65.98	28.31
13	2022-12-13 00:00:00	0.90	3.00	2.25	5.85	27.34	50.14	29.53
14	2022-12-14 00:00:00	0.80	3.02	2.20	5.84	19.82	36.33	29.92
15	2022-12-15 00:00:00	0.78	2.97	2.27	5.84	18.64	34.13	30.24
16	2022-12-16 00:00:00	0.82	3.02	2.21	5.85	19.26	35.33	29.78
17	2022-12-17 00:00:00	0.84	3.05	2.21	5.89	23.28	42.68	28.11
18	2022-12-18 00:00:00	0.92	3.10	2.15	5.90	27.22	49.91	27.24
19	2022-12-19 00:00:00	0.91	3.13	2.15	5.95	28.80	52.80	26.46
20	2022-12-20 00:00:00	0.90	3.08	2.17	5.89	26.18	48.01	27.01
21	2022-12-21 00:00:00	0.91	3.09	2.20	5.93	26.47	48.53	26.81
22	2022-12-22 00:00:00	1.07	3.13	2.18	5.96	31.86	58.40	27.36
23	2022-12-23 00:00:00	1.11	3.08	2.14	5.87	35.02	64.21	28.25
24	2022-12-24 00:00:00	1.33	3.06	2.22	5.91	40.01	73.35	28.32
25	2022-12-25 00:00:00	1.31	3.05	2.21	5.89	38.50	70.60	28.33
26	2022-12-26 00:00:00	1.38	3.03	2.16	5.83	35.25	64.62	28.82
27	2022-12-27 00:00:00	1.18	3.03	2.22	5.87	37.89	69.45	29.18
28	2022-12-28 00:00:00	0.88	3.01	2.23	5.85	26.33	48.27	29.95
29	2022-12-29 00:00:00	0.86	3.04	2.23	5.89	21.68	39.78	28.32
30	2022-12-30 00:00:00	1.13	3.11	2.17	5.93	33.41	61.24	27.88

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: 01-01-2023T00:00:15Z To Date: 31-01-2023T00:00:15Z

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	1.62	3.2	2.29	6.03	56.85	108.32	31.13
Minimum Data	0.81	2.96	2.1	5.81	1.5	2.75	26.01
Geometric Mean	1.19	3.1	2.18	5.93	25.05	52.76	28.02
Median	1.2	3.1	2.17	5.94	22.58	56.57	27.4
Standard Deviation	0.22	0.07	0.05	0.07	16.03	30.86	1.53
Maximum Value At Time	2023-01-23 00:00:00	2023-01-15 00:00:00	2023-01-29 00:00:00	2023-01-19 00:00:00	2023-01-03 00:00:00	2023-01-20 00:00:00	2023-01-26 00:00:00
Minimum Value At Time	2023-01-07 00:00:00	2023-01-29 00:00:00	2023-01-15 00:00:00	2023-01-26 00:00:00	2023-01-14 00:00:00	2023-01-14 00:00:00	2023-01-08 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	2023-01-01 00:00:00	0.96	3.07	2.20	5.92	29.66	54.37	28.30
2	2023-01-02 00:00:00	1.15	3.09	2.16	5.91	43.26	79.28	28.39
3	2023-01-03 00:00:00	1.39	3.10	2.18	5.93	56.85	104.22	27.33
4	2023-01-04 00:00:00	1.37	3.12	2.15	5.94	52.50	96.29	27.00
5	2023-01-05 00:00:00	1.43	3.09	2.19	5.94	51.73	94.86	27.54
6	2023-01-06 00:00:00	0.99	3.12	2.17	5.96	30.88	56.63	27.10
7	2023-01-07 00:00:00	0.81	3.16	2.16	6.00	19.69	36.10	26.26
8	2023-01-08 00:00:00	0.82	3.18	2.16	6.02	22.04	40.41	26.01

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)
9	2023-01-09 00:00:00	0.91	3.16	2.16	5.99	19.20	35.20	26.45
10	2023-01-10 00:00:00	0.89	3.11	2.16	5.93	17.98	32.97	26.87
11	2023-01-11 00:00:00	0.96	3.10	2.19	5.93	28.00	51.33	27.30
12	2023-01-12 00:00:00	1.41	3.10	2.20	5.94	49.50	90.76	27.38
13	2023-01-13 00:00:00	1.34	3.17	2.15	5.98	9.98	18.30	26.74
14	2023-01-14 00:00:00	1.16	3.17	2.14	5.99	1.50	2.75	26.82
15	2023-01-15 00:00:00	1.01	3.20	2.10	6.00	1.50	2.75	27.43
16	2023-01-16 00:00:00	1.02	3.17	2.11	5.97	1.50	2.75	27.03
17	2023-01-17 00:00:00	1.23	3.18	2.16	6.00	1.50	2.75	26.62
18	2023-01-18 00:00:00	1.20	3.20	2.10	6.00	1.50	2.75	26.90
19	2023-01-19 00:00:00	1.27	3.20	2.13	6.03	30.21	55.38	26.97
20	2023-01-20 00:00:00	1.40	3.17	2.12	5.97	52.05	108.32	28.38
21	2023-01-21 00:00:00	1.41	3.06	2.22	5.90	28.55	76.14	29.12
22	2023-01-22 00:00:00	1.52	3.05	2.23	5.91	25.16	67.06	27.96
23	2023-01-23 00:00:00	1.62	3.05	2.21	5.88	22.58	60.22	27.83
24	2023-01-24 00:00:00	1.28	3.04	2.19	5.85	21.19	56.51	28.97
25	2023-01-25 00:00:00	1.49	3.01	2.23	5.86	21.42	57.13	30.16
26	2023-01-26 00:00:00	1.29	3.01	2.19	5.81	24.66	65.80	31.13
27	2023-01-27 00:00:00	1.06	2.98	2.25	5.82	21.77	58.02	30.51
28	2023-01-28 00:00:00	0.97	2.98	2.22	5.81	18.75	50.03	30.82
29	2023-01-29 00:00:00	1.12	2.96	2.29	5.84	22.59	60.26	30.69
30	2023-01-30 00:00:00	1.20	2.98	2.25	5.82	23.80	63.45	30.71

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: 01-02-2023T23:59:25Z To Date: 28-02-2023T23:59:03Z

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	1.39	3.43	2.32	6.27	27.18	72.47	35.36
Minimum Data	0.73	2.98	2.03	5.86	7.93	21.13	22.24
Geometric Mean	0.97	3.08	2.24	5.95	17.23	45.95	30.62
Median	0.95	3.04	2.26	5.91	16.47	43.94	31.58
Standard Deviation	0.16	0.12	0.07	0.11	5.37	14.32	3.25
Maximum Value At Time	2023-02-18 00:00:00	2023-02-02 00:00:00	2023-02-09 00:00:00	2023-02-01 00:00:00	2023-02-19 00:00:00	2023-02-19 00:00:00	2023-02-23 00:00:00
Minimum Value At Time	2023-02-02 00:00:00	2023-02-23 00:00:00	2023-02-02 00:00:00	2023-02-07 00:00:00	2023-02-04 00:00:00	2023-02-04 00:00:00	2023-02-01 00:00:00
Valid Data Points	27	27	27	27	27	27	27
Total Data Points	27	27	27	27	27	27	27
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	2023-02-01 00:00:00	0.75	3.42	2.09	6.27	14.57	38.83	22.24
2	2023-02-02 00:00:00	0.73	3.43	2.03	6.24	10.64	28.35	22.34
3	2023-02-03 00:00:00	0.82	3.34	2.09	6.17	11.34	30.23	23.38
4	2023-02-04 00:00:00	0.79	3.14	2.17	5.98	7.93	21.13	27.32
5	2023-02-05 00:00:00	0.81	3.09	2.19	5.93	9.40	25.06	28.97
6	2023-02-06 00:00:00	0.95	3.06	2.22	5.90	16.28	43.43	30.71
7	2023-02-07 00:00:00	1.18	3.02	2.22	5.86	21.75	58.00	30.93
8	2023-02-08 00:00:00	0.92	3.02	2.28	5.90	15.47	41.24	32.30

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)
9	2023-02-09 00:00:00	0.87	3.04	2.32	5.97	12.60	33.61	30.95
10	2023-02-10 00:00:00	0.99	3.06	2.22	5.91	16.47	43.94	31.09
11	2023-02-11 00:00:00	1.02	3.01	2.27	5.89	15.19	40.50	31.75
12	2023-02-12 00:00:00	0.76	3.00	2.26	5.87	12.79	34.12	32.06
13	2023-02-13 00:00:00	0.79	3.02	2.28	5.91	11.21	29.90	31.69
14	2023-02-14 00:00:00	0.86	3.08	2.20	5.91	11.32	30.19	30.85
15	2023-02-15 00:00:00	0.85	3.04	2.25	5.91	13.97	37.19	30.05
16	2023-02-16 00:00:00	0.92	3.05	2.21	5.89	17.23	45.97	31.14
17	2023-02-17 00:00:00	1.06	3.03	2.25	5.90	21.82	58.19	31.70
18	2023-02-18 00:00:00	1.39	3.02	2.26	5.89	25.34	67.57	31.77
19	2023-02-19 00:00:00	1.22	3.03	2.28	5.92	27.18	72.47	31.98
20	2023-02-20 00:00:00	1.05	3.06	2.30	5.98	23.69	63.16	33.83
21	2023-02-21 00:00:00	1.13	3.03	2.30	5.94	21.94	58.50	31.19
22	2023-02-22 00:00:00	1.12	3.00	2.30	5.89	22.25	59.32	33.36
23	2023-02-23 00:00:00	1.18	2.98	2.30	5.87	21.74	57.97	35.36
24	2023-02-24 00:00:00	1.03	3.00	2.28	5.87	19.71	52.57	33.95
25	2023-02-25 00:00:00	0.97	3.04	2.31	5.96	19.43	51.81	31.58
26	2023-02-26 00:00:00	0.95	3.05	2.30	5.96	19.50	51.99	32.16
27	2023-02-27 00:00:00	1.01	3.03	2.30	5.94	24.49	65.31	32.06

ANNEXURE-5

Fugitive Emission Monitoring Report (October - 2022 to March - 2023)

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

100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India
☎ – + 91 33 2443 8127/8128 ; Fax – + 91 33 2443 8128; email: eeplkol@gmail.com; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

ANX-5

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

FUGITIVE EMISSION MONITORING RESULT

TABLE: - I
Onsite Fugitive Emission Monitoring Results
Location | Inside Product House
(Period: October, 2022 To March, 2023)

DATE	PM_{10} (µg/m3)	$PM_{2.5}$ (µg/m3)	SO_2 (µg/m3)	NO_2 (µg/m3)
05.10.2022	132	58	30	38
08.10.2022	138	65	25	33
12.10.2022	121	51	28	31
15.10.2022	126	57	34	37
19.10.2022	123	49	30	35
22.10.2022	137	63	33	30
26.10.2022	130	57	25	39
29.10.2022	118	51	28	36
02.11.2022	110	44	35	41
05.11.2022	129	54	24	38
09.11.2022	122	57	32	43
12.11.2022	105	41	28	33
16.11.2022	133	57	27	30
19.11.2022	121	52	30	36
23.11.2022	142	50	29	31
26.11.2022	136	52	28	35
03.12.2022	121	53	34	30
07.12.2022	110	50	30	34
10.12.2022	146	55	27	30
14.12.2022	141	51	33	33
17.12.2022	148	59	28	35
21.12.2022	123	52	27	54
24.12.2022	142	50	24	45
28.12.2022	114	46	25	50
30.12.2022	140	52	29	43
04.01.2023	115	43	24	49
07.01.2023	141	56	26	45

Cont…….

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-5

TABLE: - I

Onsite Fugitive Emission Monitoring Results

Location	**Inside Product House**			
(Period: October, 2022 To March, 2023)				
DATE	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**
	(µg/m3)	**(µg/m3)**	**(µg/m3)**	**(µg/m3)**
11.01.2023	137	48	24	50
14.01.2023	140	62	29	52
18.01.2023	112	45	27	44
21.01.2023	105	36	25	48
25.01.2023	111	41	31	34
28.01.2023	108	38	27	50
02.02.2023	103	34	25	40
05.02.2023	128	58	28	32
09.02.2023	132	63	34	38
12.02.2023	101	47	28	31
16.02.2023	128	55	35	33
19.02.2023	133	61	31	44
23.02.2023	103	48	33	37
26.02.2023	115	52	29	49
02.03.2023	126	54	35	32
05.03.2023	121	48	31	41
09.03.2023	106	50	25	35
12.03.2023	127	55	33	45
16.03.2023	148	71	28	30
19.03.2023	142	64	24	31
23.03.2023	129	58	31	37
26.03.2023	140	66	26	32
30.03.2023	104	50	33	44

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech

Envirotech East Pvt. Limited

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

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CIN NO : U74210WB1989PTC047403

ANX-5

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

FUGITIVE EMISSION MONITORING RESULT

TABLE: - 2
Onsite Fugitive Emission Monitoring Results
Location | Near ESP
(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
05.10.2022	110	40	17	27
08.10.2022	138	61	19	38
12.10.2022	113	38	21	33
15.10.2022	128	52	16	39
19.10.2022	109	38	19	29
22.10.2022	115	49	15	36
26.10.2022	126	50	17	27
29.10.2022	152	53	13	32
02.11.2022	109	40	17	37
05.11.2022	115	46	14	25
09.11.2022	124	48	16	32
12.11.2022	114	39	12	28
16.11.2022	137	62	14	30
19.11.2022	119	45	17	34
23.11.2022	135	46	13	24
26.11.2022	114	46	16	36
03.12.2022	140	46	14	27
07.12.2022	123	53	19	30
10.12.2022	135	65	22	43
14.12.2022	146	69	17	32
17.12.2022	129	58	23	46
21.12.2022	157	75	20	40
24.12.2022	140	62	18	37
28.12.2022	135	62	22	32
30.12.2022	147	63	19	42
04.01.2023	125	60	25	38

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-5

TABLE: - 2

Onsite Fugitive Emission Monitoring Results

Location | Near ESP

(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
.07.01.2023	156	70	23	44
11.01.2023	144	60	19	34
14.01.2023	120	55	17	41
18.01.2023	145	70	19	32
21.01.2023	157	74	24	37
25.01.2023	129	57	17	33
28.01.2023	135	62	13	32
02.02.2023	140	60	15	35
05.02.2023	131	62	17	41
09.02.2023	109	46	14	33
12.02.2023	120	53	13	28
16.02.2023	113	49	16	35
19.02.2023	132	55	13	31
23.02.2023	118	47	14	32
26.02.2023	129	50	16	36
02.03.2023	120	49	15	28
05.03.2023	110	40	18	39
09.03.2023	113	47	14	30
12.03.2023	121	53	19	33
16.03.2023	132	59	12	38
19.03.2023	120	46	16	25
23.03.2023	109	44	13	40
26.03.2023	124	52	19	35
30.03.2023	119	45	14	32

For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-5

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

FUGITIVE EMISSION MONITORING RESULT

TABLE: - 3
Onsite Fugitive Emission Monitoring Results
Location | Near DRI Control Room
(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
05.10.2022	118	50	20	30
08.10.2022	134	59	17	28
12.10.2022	123	57	15	36
15.10.2022	142	60	25	31
19.10.2022	126	49	18	39
22.10.2022	129	58	20	29
26.10.2022	119	58	15	32
29.10.2022	156	75	19	37
02.11.2022	143	64	26	43
05.11.2022	154	72	30	36
09.11.2022	147	71	20	28
12.11.2022	151	74	17	39
16.11.2022	131	62	21	29
19.11.2022	129	62	25	43
23.11.2022	143	70	19	30
26.11.2022	159	75	28	37
03.12.2022	133	61	18	34
07.12.2022	120	59	28	41
10.12.2022	141	69	30	36
14.12.2022	139	67	29	41
17.12.2022	157	71	27	47
21.12.2022	122	52	30	36
24.12.2022	168	81	29	41
28.12.2022	152	71	33	44
30.12.2022	140	63	28	37
04.01.2023	154	71	32	42
07.01.2023	132	57	35	36

Cont……

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-5

TABLE: - 3

Onsite Fugitive Emission Monitoring Results

Location | Near DRI Control Room

(Period: October, 2022 To March, 2023)

DATE	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)
11.01.2023	158	77	20	43
14.01.2023	133	61	23	45
18.01.2023	165	74	19	32
21.01.2023	144	68	21	36
25.01.2023	133	59	19	28
28.01.2023	121	52	24	40
02.02.2023	118	48	15	34
05.02.2023	126	55	17	30
09.02.2023	131	59	20	28
12.02.2023	118	51	16	31
16.02.2023	128	51	18	39
19.02.2023	123	46	17	32
23.02.2023	119	46	19	29
26.02.2023	128	58	15	37
02.03.2023	120	48	18	32
05.03.2023	129	55	21	28
09.03.2023	119	45	19	33
12.03.2023	142	62	16	41
16.03.2023	127	51	21	35
19.03.2023	121	`	17	29
23.03.2023	143	64	15	36
26.03.2023	137	56	21	33
30.03.2023	122	44	18	35

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(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-5

Table 1		Statistical Analysis of Pollutants (Period: October, 2022 To March, 2023)				
Pollutants	**Locations**	**MES**	**Min**	**Max**	**A.M.**	**P - 98**
PM_{10} ($\mu g/m^3$)	Inside Product House	50	101	148	125.3	148.00
	Near ESP	50	109	157	127.6	157.00
	Near DRI Control Room	50	118	168	135.3	165.06
	Overall	**150**	**101**	**168**	**129.4**	**164.74**
$PM_{2.5}$ ($\mu g/m^3$)	Inside Product House	50	34	71	52.5	65.90
	Near ESP	50	38	75	53.4	73.82
	Near DRI Control Room	50	44	81	60.6	77.55
	Overall	**150**	**34**	**81**	**55.5**	**77.40**
SO_2 ($\mu g/m^3$)	Inside Product House	50	24	35	28.9	35.00
	Near ESP	50	12	25	16.9	24.02
	Near DRI Control Room	50	15	35	21.7	33.04
	Overall	**150**	**12**	**35**	**22.5**	**34.92**
NO_2 ($\mu g/m^3$)	Inside Product House	50	30	54	38.5	52.04
	Near ESP	50	24	46	34.0	44.04
	Near DRI Control Room	50	28	47	35.4	45.04
	Overall	**150**	**24**	**54**	**35.9**	**51.76**

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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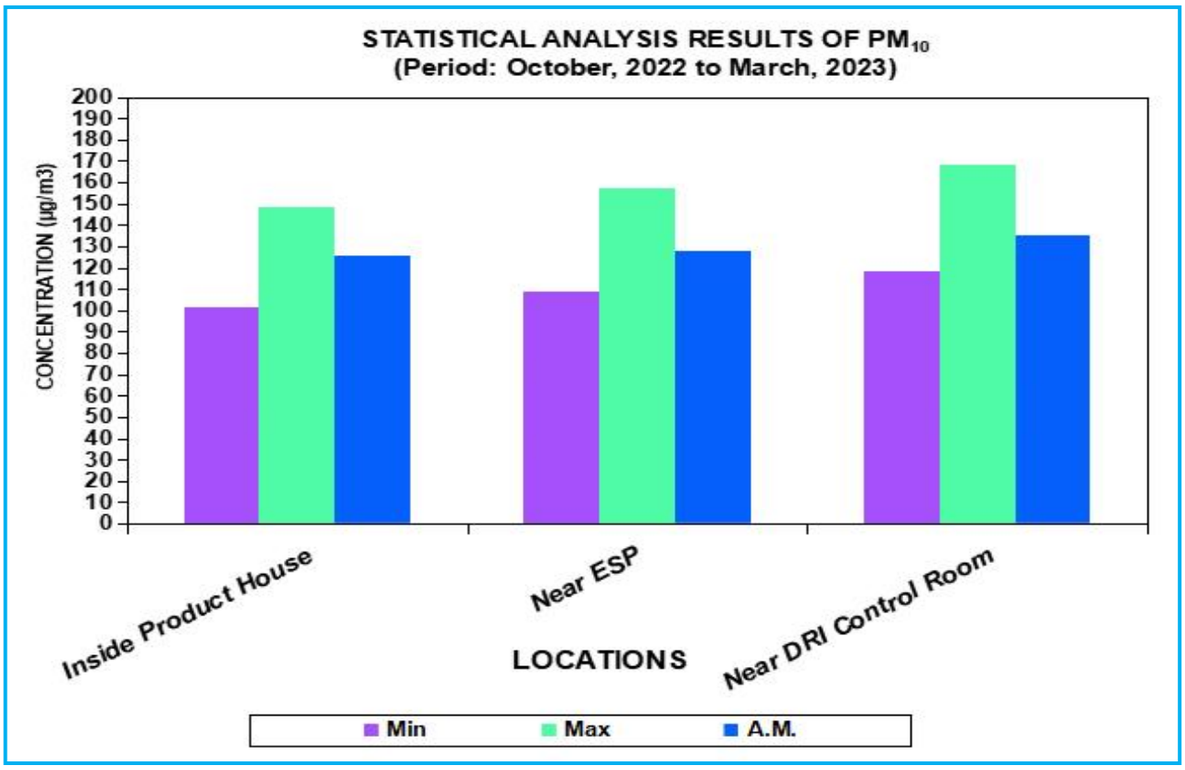
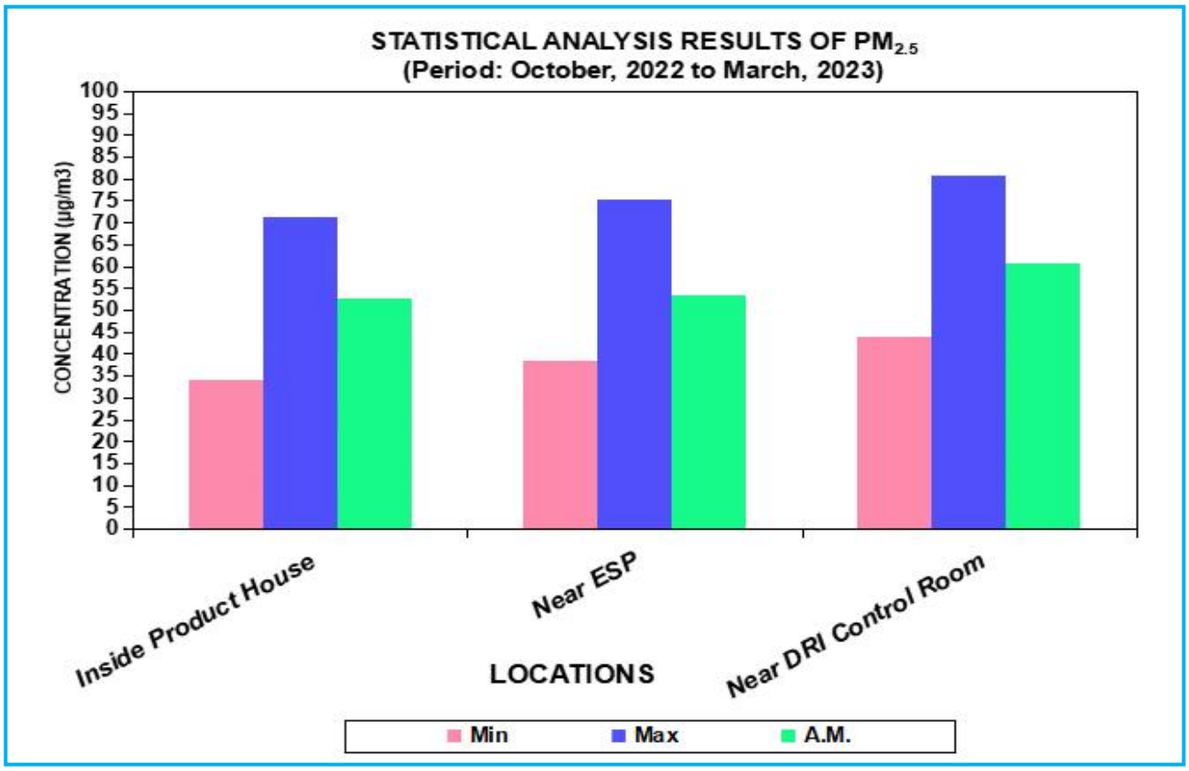
CIN NO : U74210WB1989PTC047403





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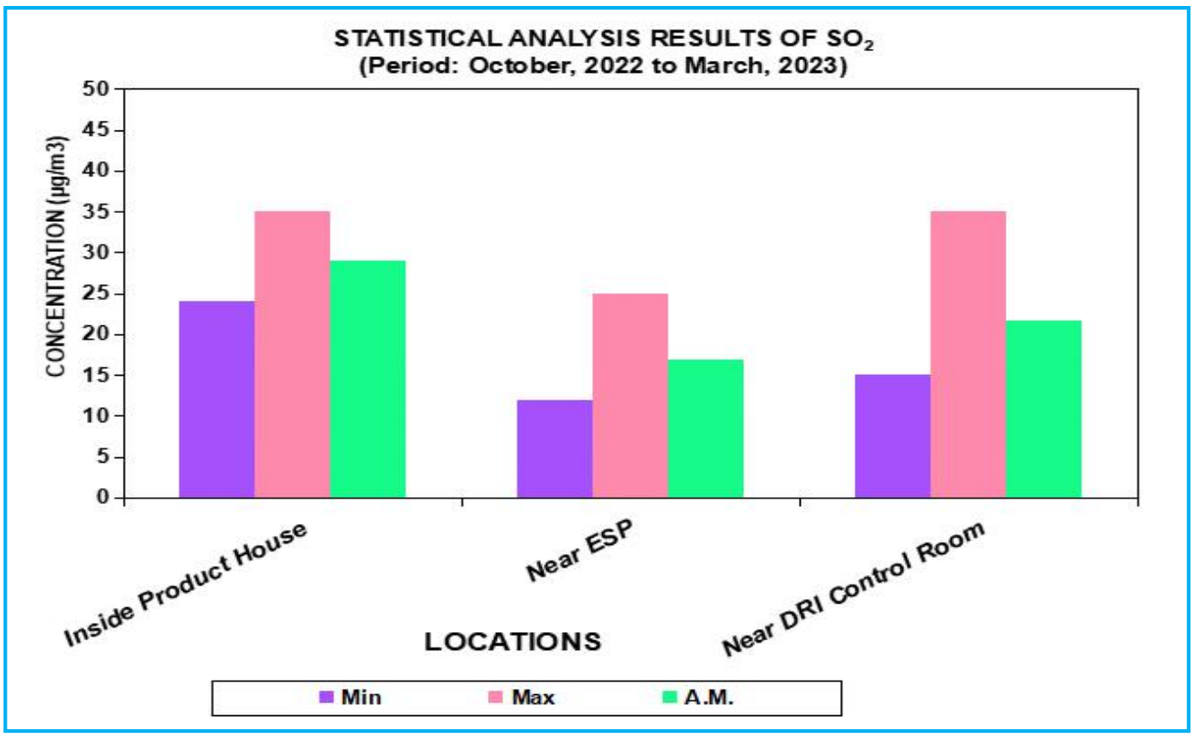
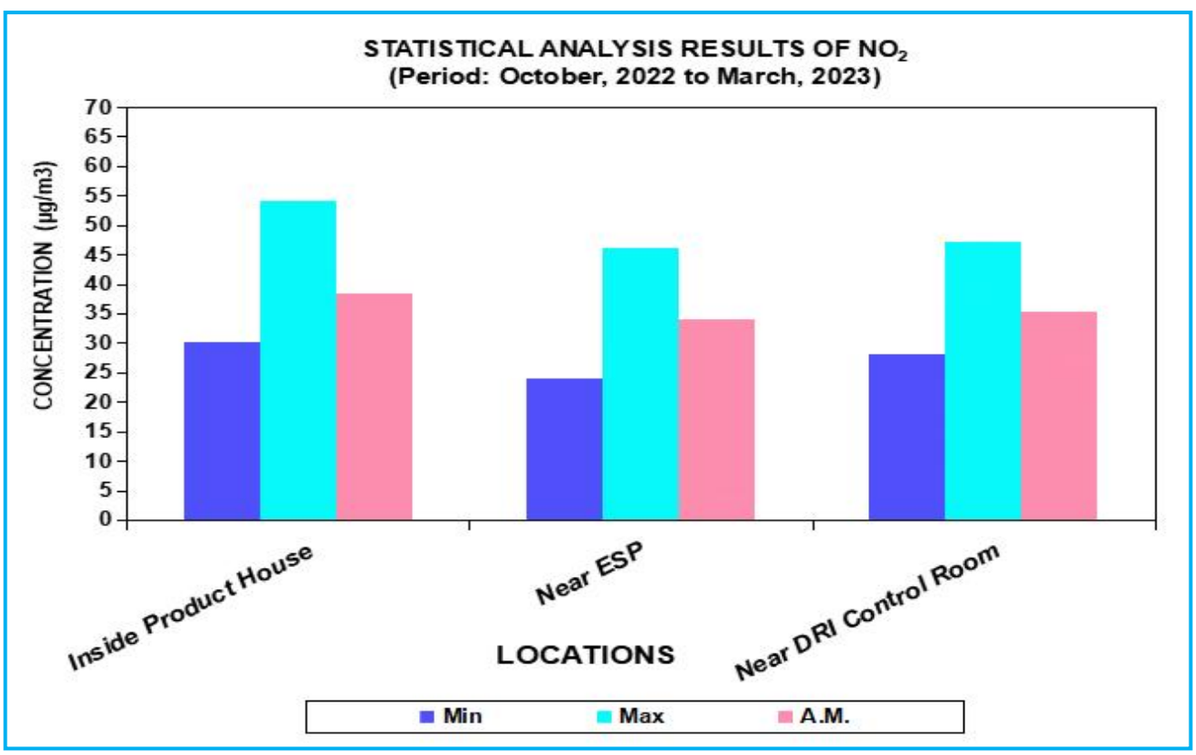
CIN NO : U74210WB1989PTC047403

ANX-5





For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

ANNEXURE-6

Cooling Discharge Water Analysis Report (October - 2022 to March - 2023)

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
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CIN NO : U74210WB1989PTC047403

ANX-6

No. 2022-23/EEPL/MON/SC/213 28.10.2022

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	16.10.2022
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	51	**100**
3.	Oil & Grease	mg/l	<2	**10**
4.	COD	mg/l	56	**250**
5.	BOD (3 days at 27°C)	mg/l	<4	**30**

Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence, Litigation

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(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-6

No. 2022-23/EEPL/MON/SC/226 29.11.2022

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	**M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	17.11.2022
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.0	**5.5 - 9.0**
2.	Total Suspended Solids	mg/l	46	**100**
3.	Oil & Grease	mg/l	<2	**10**
4.	COD	mg/l	39	**250**
5.	BOD (3 days at 27°C)	mg/l	<4	**30**

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For ENVIROTECH EAST (P) LTD.

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-6

No. 2022-23/EEPL/MON/SC/234 27.12.2022

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	14.12.2022
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	55	**100**
3.	Oil & Grease	mg/l	<2	**10**
4.	COD	mg/l	64	**250**
5.	BOD (3 days at 27°C)	mg/l	8	**30**

Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence, Litigation

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(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; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

ANX-6

No. 2022-23/EEPL/MON/SC/243 24.01.2023

COOLING DISCHARGE WATER ANALYSIS REPORT

Name of the client	**M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Location of Sample	Cooling Discharge Water
Sampling Date	10.01.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.2	**5.5 - 9.0**
2.	Total Suspended Solids	mg/l	44	**100**
3.	Oil & Grease	mg/l	<2	**10**
4.	COD	mg/l	37	**250**
5.	BOD (3 days at 27°C)	mg/l	<4	**30**

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For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-6

No. 2022-23/EEPL/MON/SC/251 28.02.2023

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	14.02.2023
Sample Collected by	Company Representative (EEPL)

RESULTS OF SAMPLE

Sl. No.	Parameter	Unit	Concentration	Standard
1.	pH	-	6.6	**5.5 - 9.0**
2.	Total Suspended Solids	mg/l	48	**100**
3.	Oil & Grease	mg/l	<2	**10**
4.	COD	mg/l	53	**250**
5.	BOD (3 days at 27°C)	mg/l	4	**30**

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For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-6

No. 2022-23/EEPL/MON/SC/258 23.03.2023

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	11.03.2023
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	58	**100**
3.	Oil & Grease	mg/l	<2	**10**
4.	COD	mg/l	60	**250**
5.	BOD (3 days at 27°C)	mg/l	6	**30**

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For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kolkata 700107

(Authorized Signatory)

ANNEXURE-7

Ground Water Analysis Report (October - 2022 to March - 2023)

Envirotech East Pvt. Limited

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

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CIN NO : U74210WB1989PTC047403

ANX-7

No. 2022-23/EEPL/MON/SC/214 28.10.2022

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	16.10.2022
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	85	79	500
7	Total Hardness (as CaCO3)	mg/L	55	50	200
8	Calcium (as Ca)	mg/L	17	15	75
9	Magnessium (as Mg)	mg/L	3	3	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride (as Cl)	mg/L	16	14	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride (as F)	mg/L	0.06	0.07	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	1.3	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	46	41	200
29	Iron (as Fe)	mg/L	0.11	0.13	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.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha, Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-7

No. 2022-23/EEPL/MON/SC/227 29.11.2022

MONITORING REPORT

Name of Industry	**M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	17.11.2022
Location	**(A)**Borewell-2 water (at Project Site) **(B)** Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	5
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	7.1	7.3	6.5-8.5
6	Total Dissolved Solids	mg/L	99	84	500
7	Total Hardness (as CaCO3)	mg/L	88	58	200
8	Calcium (as Ca)	mg/L	27	17	75
9	Magnessium (as Mg)	mg/L	5	4	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride (as Cl)	mg/L	8	11	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride (as F)	mg/L	0.08	0.09	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	1.5	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	54	48	200
29	Iron (as Fe)	mg/L	0.18	0.15	1.0
30	Total Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
31	Fecal Coliform	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample
32	E.Coli	MPN/100 ml	N.D.	N.D.	Shall not be detectable in any 100 ml sample

BDL: Below Detectable Limit

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

Envirotech East Pvt. Limited

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CIN NO : U74210WB1989PTC047403

ANX-7

No. 2022-23/EEPL/MON/SC/235 27.12.2022

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	14.12.2022
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	6.8	6.5-8.5
6	Total Dissolved Solids	mg/L	105	93	500
7	Total Hardness (as CaCO3)	mg/L	82	74	200
8	Calcium (as Ca)	mg/L	23	21	75
9	Magnessium (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	15	13	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride (as F)	mg/L	0.11	0.08	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	1.3	1.1	45
18	Phenol Compounds (as C6H5OH)	mg/L	<0.001	<0.001	0.001
19	Mercury (as Hg)	mg/L	<0.001	<0.001	0.001
20	Cadmium (as Cd)	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic (as As)	mg/L	<0.002	<0.002	0.01
23	Cyanide (as CN)	mg/L	<0.05	<0.05	0.05
24	Lead (as Pb)	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc (as Zn)	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity (as CaCO3)	mg/L	57	52	200
29	Iron (as Fe)	mg/L	0.14	0.16	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.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-7

No. 2022-23/EEPL/MON/SC/244 24.01.2023

MONITORING REPORT

Name of Industry	**M/s. Scania Steels & Powers Ltd. (Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Sampling	10.01.2023
Location	**(A)**Borewell-2 water (at Project Site) **(B)** Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	**5**
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	7.1	6.9	6.5-8.5
6	Total Dissolved Solids	mg/L	103	94	500
7	Total Hardness (as CaCO3)	mg/L	76	67	200
8	Calcium (as Ca)	mg/L	22	20	75
9	Magnessium (as Mg)	mg/L	5	4	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride (as Cl)	mg/L	10	12	250
12	Residual Free Chlorine	mg/L	<0.1	<0.1	0.2
13	Fluoride (as F)	mg/L	<0.05	<0.05	1
14	Copper (as Cu)	mg/L	<0.05	<0.05	0.05
15	Manganese (as Mn)	mg/L	<0.05	<0.05	0.1
16	Sulphate (as SO4)	mg/L	<2	<2	200
17	Nitrate (as NO3)	mg/L	1.4	1.3	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	57	52	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.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(Authorized Signatory)

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CIN NO : U74210WB1989PTC047403

ANX-7

No. 2022-23/EEPL/MON/SC/252 28.02.2023

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	14.02.2023
Location	**(A)**Borewell-2 water (at Project Site) **(B)** Borewell water (at Punjipatra)

GROUND WATER ANALYSIS REPORT

Sl. No.	Parameter	Unit	Concentration		Standard IS:10500:2012
			(a)	(b)	
1	Colour	Hazen	<5	<5	**5**
2	Odour		Agreeable	Agreeable	Agreeable
3	Taste		Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	1
5	pH	mg/L	6.7	6.8	6.5-8.5
6	Total Dissolved Solids	mg/L	95	91	500
7	Total Hardness (as CaCO3)	mg/L	68	63	200
8	Calcium (as Ca)	mg/L	19	18	75
9	Magnessium (as Mg)	mg/L	5	5	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride (as Cl)	mg/L	12	10	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	1.2	1.1	45
18	Phenol Compounds (as C6H5OH)	mg/L	<0.001	<0.001	0.001
19	Mercury (as Hg)	mg/L	<0.001	<0.001	0.001
20	Cadmium (as Cd)	mg/L	<0.003	<0.003	0.003
21	Selenium (as Se)	mg/L	<0.002	<0.002	0.01
22	Arsenic (as As)	mg/L	<0.002	<0.002	0.01
23	Cyanide (as CN)	mg/L	<0.05	<0.05	0.05
24	Lead (as Pb)	mg/L	<0.01	<0.01	0.01
25	Total Chromium (Cr)	mg/L	<0.05	<0.05	0.05
26	Zinc (as Zn)	mg/L	<0.05	<0.05	5
27	Aluminium (as Al)	mg/L	<0.03	<0.03	0.03
28	Alkalinity (as CaCO3)	mg/L	46	43	200
29	Iron (as Fe)	mg/L	0.15	0.12	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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Envirotech East Pvt. Limited

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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; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

ANX-7

No. 2022-23/EEPL/MON/SC/259 23.03.2023

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	11.03.2023
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	7.3	7.4	6.5-8.5
6	Total Dissolved Solids	mg/L	108	96	500
7	Total Hardness (as CaCO3)	mg/L	81	77	200
8	Calcium (as Ca)	mg/L	24	21	75
9	Magnessium (as Mg)	mg/L	5	6	30
10	Anionic detergents (as MBAS)	mg/L	<0.1	<0.1	0.2
11	Chloride (as Cl)	mg/L	17	13	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	59	53	200
29	Iron (as Fe)	mg/L	0.21	0.16	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 - 2022 to March - 2023)

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; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

ANX-8

No. 2022-23/EEPL/MON/SC/212 28.10.2022

NOISE LEVEL MONITORING REPORT

Name of Industry	**M/s. Scania Steels & Powers Ltd.** **(Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	16.10.2022

MONITORING REPORT

Sl. No.	Location	Noise Level in L_{eq} dB (A)
1.	In between DRI plant 1&2 and 3&4	**63.3 - 72.0**
2.	Near ADM Building	**54.1 - 64.2**
3.	Near Main Gate	**56.6 - 69.1**
4.	Near DRI Control Room	**64.5 - 73.2**
5.	Samaruma Village	**57.6 - 67.3**
6.	Panjipatra Village	**59.5 - 72.5**
7.	Parkipahari Village	**56.2 - 65.9**
8.	Near Raw Material Area	**62.0 - 75.3**
STANDARD		**75 dB (A)**

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(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; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

ANX-8

No. 2022-23/EEPL/MON/SC/225 29.11.2022

NOISE LEVEL MONITORING REPORT

Name of Industry	**M/s. Scania Steels & Powers Ltd.** **(Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	16.11.2022

MONITORING REPORT

Sl. No.	Location	Noise Level in L_{eq} dB (A)
1.	In between DRI plant 1&2 and 3&4	**60.5 - 74.3**
2.	Near ADM Building	**56.3 - 65.0**
3.	Near Main Gate	**55.4 - 67.3**
4.	Near DRI Control Room	**62.1 - 70.5**
5.	Samaruma Village	**54.3 - 65.5**
6.	Panjipatra Village	**56.9 - 67.7**
7.	Parkipahari Village	**53.5 - 62.2**
8.	Near Raw Material Area	**64.3 - 72.7**
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

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

CIN NO : U74210WB1989PTC047403

ANX-8

No. 2022-23/EEPL/MON/SC/233 27.12.2022

NOISE LEVEL MONITORING REPORT

Name of Industry	**M/s. Scania Steels & Powers Ltd.** **(Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	14.12.2022

MONITORING REPORT

Sl. No.	Location	Noise Level in L_{eq} dB (A)
1.	In between DRI plant 1&2 and 3&4	**63.7 - 71.2**
2.	Near ADM Building	**55.6 - 62.5**
3.	Near Main Gate	**58.1 - 64.8**
4.	Near DRI Control Room	**65.6 - 72.1**
5.	Samaruma Village	**55.8 - 62.9**
6.	Panjipatra Village	**58.9 - 69.2**
7.	Parkipahari Village	**56.1 - 65.5**
8.	Near Raw Material Area	**60.8 - 74.1**
STANDARD		**75 dB (A)**

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha, Kolkata 700107

(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; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

ANX-8

No. 2022-23/EEPL/MON/SC/242 24.01.2023

NOISE LEVEL MONITORING REPORT

Name of Industry	**M/s. Scania Steels & Powers Ltd.** **(Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	10.01.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in L_{eq} dB (A)
1.	In between DRI plant 1&2 and 3&4	**64.4 - 75.6**
2.	Near ADM Building	**57.0 - 64.2**
3.	Near Main Gate	**57.4 - 65.0**
4.	Near DRI Control Room	**67.7 - 76.3**
5.	Samaruma Village	**56.3 - 64.4**
6.	Panjipatra Village	**56.5 - 66.9**
7.	Parkipahari Village	**53.5 - 63.45**
8.	Near Raw Material Area	**63.5 - 71.8**
STANDARD		**75 dB (A)**

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. Kalikapur, Madurdaha Kolkata 700107

(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-8

No. 2022-23/EEPL/MON/SC/250 28.02.2023

NOISE LEVEL MONITORING REPORT

Name of Industry	**M/s. Scania Steels & Powers Ltd.** **(Formerly Known as Sidhi Vinayak Sponge Iron Pvt. Ltd.)**
Address :	22 KM Stone Gharghoda Road, Vill: Punjipatra, Raigarh, Pin: 496 011
Date of Monitoring	14.02.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in L_{eq} dB (A)
1.	In between DRI plant 1&2 and 3&4	**66.5 - 73.2**
2.	Near ADM Building	**55.8 - 65.3**
3.	Near Main Gate	**56.2 - 63.5**
4.	Near DRI Control Room	**65.1 - 70.9**
5.	Samaruma Village	**54.2 - 61.7**
6.	Panjipatra Village	**55.3 - 64.3**
7.	Parkipahari Village	**56.8 - 66.1**
8.	Near Raw Material Area	**64.2 - 73.7**
STANDARD		**75 dB (A)**

For ENVIROTECH EAST (P) LTD.

ENVIROTECH EAST PVT. LTD. 100, Kalikapur, Madurdaha Kolkata 700107

(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**
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☎ – + 91 33 2443 8127/8128 ; + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

ANX-8

No. 2022-23/EEPL/MON/SC/257 23.03.2023

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	11.03.2023

MONITORING REPORT

Sl. No.	Location	Noise Level in L_{eq} dB (A)
1.	In between DRI plant 1&2 and 3&4	**63.8 - 70.5**
2.	Near ADM Building	**57.3 - 66.4**
3.	Near Main Gate	**59.4 - 67.1**
4.	Near DRI Control Room	**65.1 - 70.9**
5.	Samaruma Village	**55.7 - 64.4**
6.	Panjipatra Village	**58.1 - 67.9**
7.	Parkipahari Village	**54.2 - 63.6**
8.	Near Raw Material Area	**65.6 - 72.2**
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 इंटिग्रेटेड स्टील प्लांट केप्टीव पॉवर प्लांट (स्पंज ऑयरन प्लांट 200 टी.पी.डी. स्टील मेल्टींग शॉप-135000 टी.पी.ए. एवं वेस्ट हीट रिकव्हरी बॉयलर -8 मेगावॉट) को क्षमता विस्तार के तहत पर्यावरणीय स्वीकृति जारी की गई है, जो कि पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय के वेबसाईट 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 पॉवर लिमिटेड, रायगढ़ इंटिग्रेटेड स्टील प्लांट केप्टीव पॉवर प्लांट (स्पंज ऑयरन प्लांट 200 टी.पी.डी. स्टील मेल्टींग शॉप-135000 टी.पी.ए. एवं वेस्ट हीट रिकव्हरी बॉयलर -8 मेगावॉट) को क्षमता विस्तार के तहत् पर्यावरणीय स्वीकृति जारी की गई है, जो कि पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय के वेबसाईट 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

ANNEXURE-10

छत्तीसगढ़ पर्यावरण संरक्षण मंडल, रायपुर

CHHATTISGARH ENVIRONMENT CONSERVATION BOARD, RAIPUR

Commercial Complex, Housing Board Colony, Kabir Nagar, Raipur – 492 099

E-mail:hocecb@gmail.com, Ph.-0771-2970070, Fax- 0771-2970074

No4398 /HO/HSMD/CECB/2018 Naya Raipur, Date23/8/ 2018

To,

M/s Scania Steels and Powers Limited,
Village-Punjipatra,
Gharghoda Road, P.O.-Ruma Suma,
Distt. - Raigarh (C.G.)

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

Ref:- Your Online application no. 735974 dated 31/03/2018 & Subsequent correspondence ending dated 30/06/2018.

----:oo:----

The authorization under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 is hereby granted for **Five Year** from date of issue of this letter. The terms & conditions of the authorization are given in the enclosed authorization letter.

Please acknowledge the receipt of this letter.

Encl :-As above

Member Secretary
C.G. Environment Conservation Board
Naya Raipur (C.G.)

Endt. No. /H.O./HSMD/CECB/2018 Naya Raipur, Date / /2018

Copy to :-

1. HSMD Section, Chhatisgarh Environment Conservation Board, H.O. Naya Raipur (C.G.).
2. 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.

Member Secretary
C.G. Environment Conservation Board
Naya Raipur (C.G.)

FORM 2
[See rule 6 (2)]

FOR GRANT OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITEIS

1. Number of authorization 252/HO/HSMD/CECB/RAIPUR and date of issue 23/08/2018
2. Reference of Online application no. **735974 dated 31/03/2018 & Subsequent correspondence ending dated 30/06/2018.**
3. The operator of facility i.e. occupier **M/s Scania Steels and Powers Limited, Village-Punjipatra, Gharghoda Road, P.O.-Ruma Suma, Distt. - Raigarh (C.G.)** is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, storage, transport & disposal of hazardous wastes in the primises situated at **Village-Punjipatra, Gharghoda Road, P.O.-Ruma Suma, Distt. - Raigarh (C.G.).**

Detail of Authorisation

S.No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (Tonnes/Annum)
1.	Used or spent oil (Schedule-I, Cat.No.- 5.1)	To be sold to authorized recyclers	5.0 Kl/Year

(1) The authorization shall be valid for a period of **Five Year** from date of issue of this letter.
(2) The authorization is subject to the following conditions.

TERMS & CONDITIONS OF AUTHORIZATION

1. The person authorised 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 authorised shall not rent, lend, sell transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Chhattisgarh Environment Conservation Board.
4. 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.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation 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.
6. The person authorised 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".
7. It is the duty of the authorized person to take prior permission of the Chhattisgarh Environment Conservation Board to close down the facility.

छत्तीसगढ़ पर्यावरण संरक्षण मंडल, रायपुर
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD, RAIPUR
Commercial Complex, Housing Board Colony, Kabir Nagar, Raipur – 492 099
E-mail:hocecb@gmail.com, Ph.-0771-2970070, Fax- 0771-2970074

8. Industry shall prepare emergency response plan (ERP) and ensure implementation the same at the event of any accident occurs due to handling and transporting of hazardous waste as per CPCB guideline.

9. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per standard operating procedures/guidelines issued by CPCB from time to time.

10. An application for the renewal of an authorisation shall be made three months before the expiry of authorization as laid down in the Rules.

11. Annual return in form IV shall be filed by June 30th for the period ending 31st March of the last financial year.

12. The wastes shall be collected and stored properly with adequate safety measures as per rule.

13. Person authorised shall comply with the provisions of rule 17, 18 and 19 for packing, labeling and transport of Hazardous Waste.

14. The person authorised should maintain the record of Hazardous Waste as per Form-3 of Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

15. 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.

16. The industry shall display data out side factory gate on quantity and nature of hazardous chemicals and wastes being used in the plant, water and air emissions and solid wastes generated within the factory premises.

17. Industry shall ensure disposal of hazardous waste through authorized recycler/co-processing in cement plant/captive disposal facility/arrangement for sharing of authorized disposal facility/common TSDF as per rule. Failing which this authorization shall be treated as cancelled and appropriate action would be initiated against the industry.

18. The waste must be given thermal/biological/physico-chemical treatment. The waste should be completely dewatered, detoxified, and proper conditioned and any possible recovery is made before their disposal.

19. The industry should constitute a hazardous waste management cell to take care of the management aspect to the hazardous waste generated in the plant.

20. 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.

21. At least four nos. of peizometric points should be provided around the storage site of H.W. to monitor the leaching of the waste. Each type of waste shall be stored in a separate storage cell.

22. 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.

23. In the event of any accident due to handling of hazardous waste the person authorised must inform immediately to the Concerned Regional Office and H.O., Naya 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].

24. The authorization obtained by the Chhattisgarh Environment Conservation Board should be prominently displayed.

25. Used batteries shall be disposed of as per the Batteries (Management & Handling) Rules, 2001.

26. Board reserves the right to cancel/amend the above condition and add new conditions as and when deemed necessary.

Member Secretary
C.G. Environment Conservation Board
Naya Raipur (C.G.)

ANNEXURE-11

Chola MS
GENERAL INSURANCE

Public Liability (Act) Insurance Policy
[UIN:IRDAN123CP0072V01201819]

THIS IS CLAIMS MADE BASIS POLICY - READ IT CAREFULLY

CHOLAMANDALAM MS GENERAL INSURANCE COMPANY Ltd. **ADDRESS:** RAIPUR BRANCH OFFICE WARD NO - 25 (GRU GOVIND SINGH WARD), 2ND FLOOR, SIMRAN TOWERS, PANDRI ROAD, OPP - LIC BUIDING, RAIPUR H.O **CITY:** RAIPUR **STATE:** CHATTISGARH **GSTIN:** 22AABCC6633K1ZT	**GST Invoice No.:**3120305944339 **DATE:** 15/04/2021 **PAN:** AABCC6633K **SAC Code:** 997139 **SAC Description:** Other non-life insurance services (excluding reinsurance services)
Policy Issuing Office : RAIPUR BRANCH OFFICE	**Broker / Agent** : 2005254796100001
Policy Number : 3120/00000365/000/00	**Customer Code** : 100447619131

Name of Insured	SCANIA STEELS AND POWERS LTD
Address of Insured	22 Km Milestone,Ghargoda Road, Punjipathra Raigarh H.O, Raigarh , Chattisgarh PIN-496001 GST No.: 22AAHCS4471R1ZT
Aadhar No.	-
PAN No.	AAHCS4471R
Policy Period	From 13/04/2021 00:00 Hours to Midnight Hours 23:59 on 12/04/2022
Premium Receipt	1025060241, Date : 13/04/2021
Business/ Profession	Sponge iron manufacturing unit
Policy Basis	CLAIMS MADE BASIS
Limit of Indeminity	**AOY INR** 15,00,00,000.00
	AOA INR 5,00,00,000.00
Risk Location	1. As Mentioned In Condition
Turnover	INR 2,68,48,28,283.00
Specific Terms and Conditions	2. 1.Notwithstanding any provision to the contrary, this policy/insurance excludes any loss, damage, liability, expense, fines, penalties or any other amount directly or indirectly caused by, in connection with, or in any way involving or arising out of any of the following including any fear or threat thereof, any action taken or failure to take action in controlling, preventing, suppressing or in any way responding to such whether actual/alleged/threat or perceived of: a) Any infectious disease, virus, bacterium or other microorganism (whether asymptomatic or not); or. b) Coronavirus (COVID-19) including any mutation or variation thereof; or, c) Pandemic or epidemic, as declared as such by the World Health Organization or any governmental authority. If the insurer alleges that, by reason of this exclusion, any amount is not covered by this policy/insurance, the burden of proving the contrary shall rest on the insured 3. Location Address: 22 KM MILESTONE GHARGODA ROAD, , PO Area - RAIGARH, , RAIGARH, CHATTISGARH 496001
Specific Exclusions	-
Deductible	NIL
Jurisdiction	India
Territory	India
Retroactive Date	13-04-2021
Premium(Rs.)	INR 28,440.00
CGST (9%)	INR 2,559.50
SGST (9%)	INR 2,559.50
Kerala Cess (1%)(in Rs.)	INR 0.00
IGST (0%)	INR 0.00
Environment Relief Fund	INR 28,440.00
Amount Payable	INR 61,999.00

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

Consolidated Stamp Duty Paid Vide G.O. Rt No.426,Commercial Taxes and Registration (j1) Department, Tamil Nadu dated 21/12/2020.

Intermediary Name: IRM INSURANCE BROKERS PRIVATE LIMITED		POSP Name
Code: 200525479610	**Contact No: 9826175646**	

Note: The Certificate of Insurance / Policy Schedule is an important document issued based on your declaration. We request you to verify the details and ensure that everything is in order. In case of any discrepancies, please contact us within 15 days from the date of issuance of policy.

Place : Chennai

For Cholamandalam MS General Insurance Company Ltd.

Signature valid
Digitally signed by:
KANCHIPURAM
SRIDHAR HARISH

Date : 15-04-2021

Authorised Signatory