



TEST REPORT

Name of Industry	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Iron Ore Mines
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Sample Collected by	Md. R. Rahman & Team
Date of Sampling	17.08.2023	Sampling done by	Sabz Care Lab
Sample Details	Ground Water Level	Sampling Method	Manual
		Location	Near Weigh Bridge
Sample ID	SCECPL/TR/23/265/WL-18	Report Release Date	21.08.2023
Meteorological Information	Average Ambient Temperature : 30.0°C , Barometric Pressure : 750 mmHg Relative Humidity : 72%, Weather Condition - Clear		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result	Requirements (Acceptable Limit) as per IS 10500: 2012
1	Ground Water Level	Meter	Manual	7.5	Not Specified

*** END OF REPORT ***

Remark-

- The test report is not to be reproduced in JSPCB unless written permission obtained from Sabz Care Lab.

Authorized Signatory

Quality Manager
(Piyush Ranjan)



Sabz Care Environmental Consultancy Pvt. Ltd.



lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi
Accredited by NABL, ISO/IEC 17025:2017

Unique Lab Report No. (ULR No.)		TC994823000001339F		TEST REPORT
Name of the Customer	M/s Atibir Industries Co. Ltd. (Unit- II)	Type of Plant	Integrated Steel Plant	
Address	At- Bhorandiha, P.O.- Udanabad, Dist- Giridih, Jharkhand	Group	Pollution & Environment	
Discipline	Chemical	Sample Collected by	Md. Razaur Rahman	
Date of Sampling	18.08.2023	Sample Condition	Sealed & Preserved	
Date of Sample Receiving	18.08.2023	Sample Drawn By	Sabz Care Lab	
Type of Sample	Water	Location	Near Blast Furnace	
Sample Details	Effluent Water (Recycle Water)	Report Release Date	21.08.2023	
Sample ID	SCECPL/23/265/WT-148	Plant Status	Working	
Period of Analysis	18.08.2023 to 21.08.2023	Sampling Plan	SCECPL/SOP/WA/01	
Sampling Method	IS 3025: Part 1	Remark	-	
Meteorological information	Average Ambient Temperature : 30.0°C , Barometric Pressure :750 mmHg Relative Humidity : 72%, Weather Condition - Clear			

TEST RESULTS

Sl. No.	Parameters	Unit	Test Method	Results	Requirement/Specifications as per CPCB Guideline for Inland Surface Discharge (EPR 1986)
1	pH @25°C	---	APHA 4500-H ⁺ B: 23 rd Ed. 2017	6.72	5.5 – 9.0
2	Temperature	°C	APHA 2550-B: 23 rd Ed. 2017	25.9	Not specified
3	Total Dissolved Solids @ 180°C	mg/L	APHA 2540-C: 23 rd Ed. 2017	639.30	2100.0
4	Total Suspended Solid @ 105°C	mg/L	APHA 2540-D: 23 rd Ed. 2017	37.90	100.0
5	Chemical Oxygen Demand	mg/L	APHA 5220 B:23 rd Ed. 2017	59.50	250.0
6	Biological Oxygen Demand (3 Days @ 27°C)	mg/L	IS 3025 Part-44:2019	17.0	30
7	Oil & Grease	mg/L	APHA 5520-B: 23 rd Ed. 2017	3.60	10

*** END OF REPORT ***

Remarks:

- Test values are reported based on the samples received
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory

Piyush
21/8/23
Quality Manager
(Piyush Ranjan)

ISO 9001 : 2015 CERTIFIED COMPANY : OHSAS : 45001 : 2018 CERTIFIED LAB

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com



TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001338F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Type of Industry	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Method	IS: 5182 & CPCB Air Manual Volume-1	Plant Status	Operational
Date of Sampling	17.08.2023	Sample Collected by	Md. R. Rahman & Team
Location	Bag Filter Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/23/265/ST-41	Period of Analysis	18.08.2023
Plant Status	Operational	Report Release Date	21.08.2023

GENERAL INFORMATION ABOUT STACK

Observed While Sampling		Reported by Customer	
Shape of Stack	Circular	Stack attached to	Sinter Plant No.-02
Material of Construction	RCC	Height of Stack from G.L (mtr)	100.0 Meter
Height of sampling port from G.L. (mtr)	40.0 Meter	Stack ID at sampling point (mtr)	3.0 Meter
Ladder	Permanent	Working Load/Capacity	Iron Ore/Fines 1000MT/day
Platform	Permanent	Emission due to	Process Activity
Stack Gas Temperature (°C)	56 ⁰ C	Type of Fuel Used	BF Gas
Barometric Pressure (mm of Hg)	750	Fuel Consumption:	BF Gas – 4000 M ³ /hr
Velocity of Gas Flow (m/s)	5.99	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	136274		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	26.30
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	82.90
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	4.8
4.	Oxide of Nitrogen as NO _x	mg/Nm ³	IS 11255: Part 7	55.68

*Remark:

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory
Piyush Ranjan
21/8/23
Quality Manager
(Piyush Ranjan)



Sabz Care Environmental Consultancy Pvt. Ltd.



Let's start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi
Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001337F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Type of Industry	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Method	IS: 5182 & CPCB Air Manual Volume-1	Plant Status	Operational
Date of Sampling	17.08.2023	Sample Collected by	Md. R. Rahman & Team
Location	Bag Filter Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/23/265/ST-40	Period of Analysis	18.08.2023
Plant Status	Operational	Report Release Date	21.08.2023

GENERAL INFORMATION ABOUT STACK

Observed While Sampling		Reported by Customer	
Shape of Stack	Circular	Stack attached to	Sinter Plant No.-01 (300nm ³)
Material of Construction	Bricks	Height of Stack from G.L (mtr)	60.0 Meter
Height of sampling port from G.L. (mtr)	23.0 Meter	Stack ID at sampling point (mtr)	3.0 Meter
Ladder	Permanent	Working Load/Capacity	Iron Ore/Fines 1000MT/day
Platform	Permanent	Emission due to	Process Activity
Stack Gas Temperature (°C)	87 ⁰ C	Type of Fuel Used	BF Gas
Barometric Pressure (mm of Hg)	750	Fuel Consumption:	BF Gas – 4000 M ³ /hr
Velocity of Gas Flow (m/s)	7.39	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	52288		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	27.91
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	91.60
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	5.4
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7	68.84

*Remark:

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory
Piyush Ranjan
21/8/23
Quality Manager
(Piyush Ranjan)

ISO 9001 : 2015 CERTIFIED COMPANY : OHSAS : 45001 : 2018 CERTIFIED LAB

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com



Sabz Care Environmental Consultancy Pvt. Ltd.



lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi
Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001336F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Type of Industry	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Method	IS: 5182 & CPCB Air Manual Volume-1	Plant Status	Operational
Date of Sampling	17.08.2023	Sample Collected by	Md. R. Rahman & Team
Location	Bag Filter Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/23/265/ST-39	Period of Analysis	18.08.2023
Plant Status	Operational	Report Release Date	21.08.2023

GENERAL INFORMATION ABOUT STACK

Observed While Sampling		Reported by Customer	
Shape of Stack	Circular	Stack attached to	Blast Furnace No.-02 (300nm ³)
Material of Construction	RCC	Height of Stack from G.L (mtr)	88.0 Meter
Height of sampling port from G.L. (mtr)	40.0 Meter	Stack ID at sampling point (mtr)	3.0 Meter
Ladder	Permanent	Working Load/Capacity	Sinter/Pillet 1900 MT/day
Platform	Permanent	Emission due to	Smelting of Coke & Ore
Stack Gas Temperature (°C)	124 ⁰ C	Type of Fuel Used	Hard Coke
Barometric Pressure (mm of Hg)	750	Fuel Consumption:	-----
Velocity of Gas Flow (m/s)	6.99	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	131890		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	25.92
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	74.70
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	5.8
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7	53.42

*Remark:

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory

Piyush
21/08/2023
Quality Manager
(Piyush Ranjan)

ISO 9001 : 2015 CERTIFIED COMPANY : OHSAS : 45001 : 2018 CERTIFIED LAB

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecplmdp@gmail.com



TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001335F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Type of Industry	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Method	IS: 5182 & CPCB Air Manual Volume-1	Plant Status	Operational
Date of Sampling	17.08.2023	Sample Collected by	Md. R. Rahman & Team
Location	Bag Filter Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/23/265/ST-38	Period of Analysis	18.08.2023
Plant Status	Operational	Report Release Date	21.08.2023

GENERAL INFORMATION ABOUT STACK

Observed While Sampling		Reported by Customer	
Shape of Stack	Circular	Stack attached to	Blast Furnace No.-01 (300nm ³)
Material of Construction	Bricks	Height of Stack from G.L (mtr)	60.0 Meter
Height of sampling port from G.L. (mtr)	23.0 Meter	Stack ID at sampling point (mtr)	1.75 Meter
Ladder	Permanent	Working Load/Capacity	Sinter/Pillet 1900 MT/day
Platform	Permanent	Emission due to	Smelting of Coke & Ore
Stack Gas Temperature (°C)	168 ⁰ C	Type of Fuel Used	Hard Coke
Barometric Pressure (mm of Hg)	750	Fuel Consumption:	-----
Velocity of Gas Flow (m/s)	7.32	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	42299		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	27.69
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	68.72
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	5.6
4.	Oxide of Nitrogen as NO _x	mg/Nm ³	IS 11255: Part 7	48.92

*Remark:

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory

Piyush
21/8/23
Quality Manager
(Piyush Ranjan)

ISO 9001 : 2015 CERTIFIED COMPANY : OHSAS : 45001 : 2018 CERTIFIED LAB

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com



TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001334F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Type of Industry	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Method	IS: 5182 & CPCB Air Manual Volume-1	Plant Status	Operational
Date of Sampling	17.08.2023	Sample Collected by	Md. R. Rahman & Team
Location	E.S.P. Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/23/265/ST-37	Period of Analysis	18.08.2023
Plant Status	Operational	Report Release Date	21.08.2023

GENERAL INFORMATION ABOUT STACK

Observed While Sampling		Reported by Customer	
Shape of Stack	Circular	Stack attached to	Pelletisation Plant
Material of Construction	M.S.	Height of Stack from G.L (mtr)	45.0 Meter
Height of sampling port from G.L. (mtr)	35.62 Meter	Stack ID at sampling point (mtr)	3.50 Meter
Ladder	Permanent	Working Load/Capacity	Iron Ore 200 MT/day
Platform	Permanent	Emission due to	Burning of H.S.D.
Stack Gas Temperature (°C)	129 ⁰ C	Type of Fuel Used	Coal & BF Gas
Barometric Pressure (mm of Hg)	750	Fuel Consumption:	Coal-20Kg/MT, BF Gas-10,000 M ³ /hr
Velocity of Gas Flow (m/s)	6.95	Pollution Control Device	E.S.P.
Flue Gas Quantity (Nm ³ /Hr)	169558		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	29.83
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	92.72
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	5.8
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7	62.19

*Remark:

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

*** END OF REPORT ***

Authorized Signatory

Piyush
21/8/23
Quality Manager
(Piyush Ranjan)

ISO 9001 : 2015 CERTIFIED COMPANY : OHSAS : 45001 : 2018 CERTIFIED LAB

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)
Contact : 09334315731, 07563048389, e-mail : scecpplmdp@gmail.com



Sabz Care Environmental Consultancy Pvt. Ltd.



lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi
Accredited by NABL, ISO/IEC 17025:2017

Unique Lab Report No. (ULR No.)		TC994823000001333F		TEST REPORT
Name of Industry	M/s Atibir Industries Co Ltd. Unit (II)			
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand		Type of Industry	Integrated Steel Plant
Discipline	Chemical		Group	Atmospheric Pollution
Date of Study	17.08.2023 to 18.08.2023		Sample Collected By	Md. R. Rahman
Sample ID	SCECPL/TR/23/265/NR-175/01,02		Time of Duration	24 Hours
Sample Drawn by	Sabz Care Lab		Remarks	-----
Sample details	Ambient Noise		Sample Receiving Date	18.08.2023
Sampling Method	IS:9989-1981 (Reaffirmed-2020)		Report Release Date	21.08.2023
Meteorological Information	Average Ambient Temperature : 30.0°C , Barometric Pressure :750 mmHg Relative Humidity : 72%, Weather Condition - Clear			

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF
ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT
OF INDIA)

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

*Day time is reckoned in between 6:00 A.M. & 10:00 P.M.

* Night time is reckoned in between 10:00 P.M. & 6:00 A.M

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq-Mean	Maximum
1. Near Coke Stock Yard	57.1	73.7	58.6	72.5	79.4
2. Near Steel Melting Shop	57.8	74.4	59.3	73.2	80.1

*** END OF REPORT ***

Remarks- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.

Authorized Signatory

Piyush
21/8/23
Quality Manager
(Piyush Ranjan)

ISO 9001 : 2015 CERTIFIED COMPANY : OHSAS : 45001 : 2018 CERTIFIED LAB

Registered Office : Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand)

Contact : 09334315731, 07563048389, e-mail : scecpmdp@gmail.com



TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001332F		
Name of Industry	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Type of Industry	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Date of Study	17.08.2023 to 18.08.2023	Sample Collected By	Md. R. Rahman
Sample ID	SCECPL/TR/23/265/NR-174/01,02	Time of Duration	24 Hours
Sample Drawn by	Sabz Care Lab	Remarks	-----
Sample details	Ambient Noise	Sample Receiving Date	18.08.2023
Sampling Method	IS:9989-1981 (Reaffirmed-2020)	Report Release Date	21.08.2023
Meteorological Information	Average Ambient Temperature : 30.0°C , Barometric Pressure :750 mmHg Relative Humidity : 72%, Weather Condition - Clear		

Limit in Leq dB(A)

(CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF
ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT
OF INDIA)

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

*Day time is reckoned in between 6:00 A.M. & 10:00 P.M.

* Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

AMBIENT NOISE QUALITY REPORT

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114

Sampling Location	NOISE LEVEL IN dB(A)				
	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	Leq Mean	Maximum
1. Near Administrative Building	52.1	70.5	57.9	69.8	75.5
2. Near Weigh Bridge No.-2	57.4	72.0	59.1	71.3	77.2

*** END OF REPORT ***

Remarks- dB(A) L_d & L_n denotes the time weighted average of the level of sound in decibels on scale(A) in day and night respectively and L_{eq} denotes average of 24 hours which is relatable to human hearing.

Authorized Signatory
Piyush
21/8/23
Quality Manager
(Piyush Ranjan)



TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001331F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Particular of the Plant	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	17.08.2023 to 18.08.2023	Sample Collected by	Md. R. Rahman & Team
Sample Receiving Date	18.08.2023	Sample Condition	Sealed and Preserved
		Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Sample Details	Ambient Air	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/23/265/AA-255/01,02	Type of Sample	Suspended Dust and Gases
Period of Analysis	18.08.2023 to 19.08.2023	Report Release Date	21.08.2023
Meteorological Information	Average Ambient Temperature : 30.0°C , Barometric Pressure : 750 mmHg Relative Humidity : 72%, Weather Condition - Clear		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Coke Stock Yard
Location- 2: Near Steel Melting Shop

Duration of Sampling: 24 hours

B. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements/S pecifications as per CPCB
1.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	83.25	91.62	100 (µg/m ³)
2.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182(Part 2)	30.47	32.81	80 (µg/m ³)
3.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182(Part 6)	39.28	41.63	80 (µg/m ³)

*** END OF REPORT ***

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory
Piyush
21/8/23
Quality Manager
(Piyush Ranjan)



TEST REPORT

Unique Lab Report No. (ULR No.)		TC994823000001330F	
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Particular of the Plant	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	17.08.2023 to 18.08.2023	Sample Collected by	Md. R. Rahman & Team
Sample Receiving Date	18.08.2023	Sample Condition	Sealed and Preserved
		Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Sample Details	Ambient Air	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/23/265/AA-254/01,02	Type of Sample	Suspended Dust and Gases
Period of Analysis	18.08.2023 to 19.08.2023	Report Release Date	21.08.2023
Meteorological Information	Average Ambient Temperature : 30.0°C , Barometric Pressure : 750 mmHg Relative Humidity : 72%, Weather Condition - Clear		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Administrative Building

Location- 2: Near Weigh Bridge No.-2

Duration of Sampling: 24 hours

B. TEST RESULTS

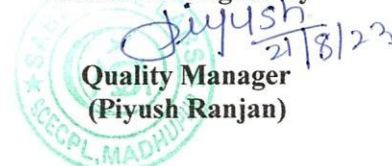
S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	Requirements/S pecifications as per CPCB
1.	Particulate Matter as PM ₁₀	µg/m ³	IS 5182 (Part 23)	69.46	71.38	100 (µg/m ³)
2.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182(Part 2)	21.88	23.44	80 (µg/m ³)
3.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182(Part 6)	25.21	31.07	80 (µg/m ³)

***** END OF REPORT *****

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory

Piyush Ranjan
**Quality Manager
(Piyush Ranjan)**





TEST REPORT

Unique Lab Report No. (ULR No.)	TC994823000001329F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)		
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Particular of the Plant	Integrated Steel Plant
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	17.08.2023 to 18.08.2023	Sample Collected by	Md. R. Rahman & Team
Sample Receiving Date	18.08.2023	Sample Condition	Sealed and Preserved
		Sampling Plan	SCECPL/SOP/AA/01
Sampling Method	IS 5182 and CPCB Air Manual Volume 1 (NAAQM/36/2012-13)		
Sample Details	Ambient Air (PM 2.5)	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/23/265/AA-254 (1,2), 255 (1,2)	Type of Sample	Suspended Dust and Gases
Period of Analysis	18.08.2023 to 19.08.2023	Report Release Date	21.08.2023
Meteorological Information	Average Ambient Temperature : 30.0°C , Barometric Pressure :750 mmHg Relative Humidity : 72%, Weather Condition - Clear		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Administrative Building
Location- 2: Near Weigh Bridge No.-2
Location-3: Near Coke Stock Yard
Location- 4: Near Steel Melting Shop

Duration of Sampling: 24 hours

B. TEST RESULTS

S. N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	RESULTS (Location-3)	RESULTS (Location-4)	Requirements/ Specifications as per CPCB
1.	Particulate Matter as PM _{2.5}	µg/m ³	IS 5182 (Part 24)	30.47	33.11	38.49	45.57	60 (µg/m ³)

*** END OF REPORT ***

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory

Piyush
Quality Manager
(Piyush Ranjan) 21/8/23