



TEST REPORT

Name of Industry	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Sample Collected by	Vivek Kr. Malakar & Team
Date of Sampling	29.10.2025	Sampling done by	Sabz Care Lab
Sample Receiving Date	01.11.2025	Sampling Method	Manual
Sample Details	Ground Water Level	Location	Near Weigh Bridge (Bore Well)
Sample ID	SCECPL/TR/25/264/WL-06	Report Release Date	04.11.2025
Meteorological Information	Average Ambient Temperature : 27.50°C , Barometric Pressure :752 mmHg Relative Humidity : 74%, Weather Condition - Clear		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Result
1	Ground Water Level	Meter	Manual	7.50

Remarks: 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.

Tested By

Ranjet
4.11.25

Sr. Analyst

(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
4.11.25
Lab In Charge

(S.K.M. Mizanur Rahman)

Authorized Signator

Piyush Ranjan
04/11/2025
Quality Manager

Quality Manager

(Piyush Ranjan)



*** END OF REPORT ***





TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000970F	
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Particular of the Plant	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand		
Discipline	Chemical	Group	Atmospheric Pollution
Date of Sampling	29.10.2025 to 30.10.2025	Sample Collected by	Vivek Kr. Malakar & Team
Sample Receiving Date	01.11.2025	Sample Condition	Sealed and Preserved
		Sampling Plan	SCECPL/SOP/SAMP/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/25/264/AA-332 (1,2), 333 (1,2)	Type of Sample	Suspended Dust
Period of Analysis	01.11.2025 to 03.11.2025	Report Release Date	04.11.2025
Meteorological Information	Average Ambient Temperature : 27.50°C , Barometric Pressure :752 mmHg Relative Humidity : 74%, 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) : 2019	36.60	42.55	51.85	48.45	60 (µg/m ³)

Remarks: 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.

Tested By

Ranjet
4.11.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahaman
6/11/25
Lab in Charge
(S.K.M. Mizanur Rahaman)

Authorized Signatory

Piyush Ranjan
04/11/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000971F	
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Particular of the Plant	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
Discipline	Chemical	Sample Collected by	Vivek Kr. Malakar & Team
Date of Sampling	29.10.2025 to 30.10.2025	Sample Condition	Sealed and Preserved
Sample Receiving Date	01.11.2025	Sampling Plan	SCECPL/SOP/SAMP/AA/01
		Plant Status	Operational
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/2/264/AA-332/01,02	Type of Sample	Suspended Dust and Gases
Period of Analysis	01.11.2025 to 03.11.2025	Report Release Date	04.11.2025
Meteorological Information	Average Ambient Temperature : 27.50°C , Barometric Pressure :752 mmHg Relative Humidity : 74%, 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) : 2006	76.38	79.52	100 (µg/m ³)
2.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	24.51	28.43	80 (µg/m ³)
3.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 Part 6) : 2006	29.32	31.47	80 (µg/m ³)

Remarks: 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.

Tested By
Ranjet Yadav
4.11.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By
S.K.M. Mizanur Rahman
4/11/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory
Piyush Ranjan
04/11/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000972F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Particular of the Plant	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
Discipline	Chemical	Sample Collected by	Vivek Kr. Malakar & Team
Date of Sampling	29.10.2025 to 30.10.2025	Sample Condition	Sealed and Preserved
Sample Receiving Date	01.11.2025	Sampling Plan	SCECPL/SOP/SAMP/AA/01
		Plant Status	Operational
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/25/264/AA-333/01,02	Type of Sample	Suspended Dust and Gases
Period of Analysis	01.11.2025 to 03.11.2025	Report Release Date	04.11.2025
Meteorological Information	Average Ambient Temperature : 27.50°C , Barometric Pressure : 752 mmHg Relative Humidity : 74%, Weather Condition - Clear		

A. GENERAL INFORMATION

Location of Sampling: Location-1: Near Coke Stock Yard
Location- 2: Near Steel Melting Shop Area
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) : 2006	90.32	87.56	100 (µg/m ³)
2.	Sulphur Dioxide as SO ₂	µg/m ³	IS 5182 (Part 2) : 2001	30.64	28.43	80 (µg/m ³)
3.	Nitrogen Dioxide as NO ₂	µg/m ³	IS 5182 Part 6) : 2006	34.59	31.47	80 (µg/m ³)

Remarks: 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.

Tested By
Ranjeet Yadav
4.11.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
S.K.M. Mizanur Rahman
4.11.25
Lab In Charge
(S.K.M. Mizanur Rahman)



Authorized Signatory
Piyush Ranjan
04/11/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000973F	
Name of Industry	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
		Sampling Plan	SCECPL/SOP/SAMP/Noise/01
Discipline	Chemical	Sample Collected By	Vivek Kr. Malakar & Team
Date of Study	29.10.2025 to 30.10.2025	Time of Duration	24 Hours
Sample ID	SCECPL/TR/25/264/NR-199/01,02	Plant Status	Operational
Sample Receiving Date	01.11.2025	Sample Drawn by	Sabz Care Lab
Sample details	Ambient Noise	Data Analysis Date	01.11.2025
Sampling Method	IS:9989-1981	Report Release Date	04.11.2025
Meteorological Information	Average Ambient Temperature : 27.50°C , Barometric Pressure :752 mmHg Relative Humidity : 74%, 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 Administrative Building	52.6	71.0	58.4	70.3	76.0
2. Near Weigh Bridge No.-2	53.2	73.8	60.9	73.1	79.0

Remarks: 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.

Tested By
Ranjeet Yadav
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
S.K.M. Mizanur Rahman
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory
Piyush Ranjan
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000974F	
Name of Industry	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
		Sampling Plan	SCECPL/SOP/SAMP/Noise/01
Discipline	Chemical	Sample Collected By	Vivek Kr. Malakar & Team
Date of Study	29.10.2025 to 30.10.2025	Time of Duration	24 Hours
Sample ID	SCECPL/TR/25/264/NR-200/01,02	Plant Status	Operational
Sample Receiving Date	01.11.2025	Sample Drawn by	Sabz Care Lab
Sample details	Ambient Noise	Data Analysis Date	01.11.2024
Sampling Method	IS:9989-1981 (Reaffirmed-2020)	Report Release Date	04.11.2025
Meteorological Information	Average Ambient Temperature : 27.50°C , Barometric Pressure :752 mmHg Relative Humidity : 74%, 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	53.1	72.7	58.3	71.6	76.5
2. Near Steel Melting Shop Area	57.2	73.8	58.7	72.6	79.5

Remarks: 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.

Tested By

Ranjeet Yadav
4.11.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By

S.K.M. Mizanur Rahman
9/11/25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory

Piyush Ranjan
4/11/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)	TC99482500000975F		
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
Discipline	Chemical	Plant Status	Operational
Sampling Method	IS: 11255 & CPCB Guideline (Lats/80/2013-14)	Sample Collected by	Vivek Kr. Malakar & Team
		Sampling Plan	SCECPL/SOP/SAMP/STK/01
Date of Sampling	30.10.2025	Sample Receiving date	01.11.2025
Location	Sinter 01, Bag Filter Stack (Bhorandiha)	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/264/ST-87	Period of Analysis	01.11.2025
Sinter Plant No.-01	Operational	Report Release Date	04.11.2025

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	1000 TPD (Sinter)
Platform	Permanent	Emission due to	Process Activity
Stack Gas Temperature (°C)	95	Type of Fuel Used	BF Gas
Barometric Pressure (mm of Hg)	752	Fuel Consumption:	BF Gas – 4000 M ³ /hr
Velocity of Gas Flow (m/s)	7.34	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	149703		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS 11255 (Part 1) :1985	27.61
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS 11255 (Part 2) : 1985	88.72
3.	Carbon Dioxide as CO ₂	% (v/v)	IS 13270 : 1992	4.80
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7 : 2005	57.45

Remarks: 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.

Tested By
Ranjet
4.11.25
Sr. Analyst
(Ranjet Yadav)

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S.K.M. Mizanur Rahman
4.11.25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory
Piyush Ranjan
4/11/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000976F	
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
Discipline	Chemical	Plant Status	Operational
Sampling Method	IS: 11255 & CPCB Guideline (Lats/80/2013-14)	Sampling Plan	SCECPL/SOP/SAMP/STK/01
Date of Sampling	30.10.2025	Sample Receiving date	01.11.2025
Location	BF 02, Bag Filter Stack (Bhorandiha)	Sample Collected by	Vivek Kr. Malakar & Team
Sample Details	Stack Emission	Sample condition	Sealed
Sample ID	SCECPL/TR/25/264/ST-88	Sample Drawn By	Sabz Care Lab
Blast Furnace No.-02	Operational	Period of Analysis	01.11.2025
		Report Release Date	04.11.2025

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	1000 TPD (Pig Iron)
Platform	Permanent	Emission due to	Smelting of Coke & Ore
Stack Gas Temperature (°C)	103 ⁰ C	Type of Fuel Used	Hard Coke
Barometric Pressure (mm of Hg)	752	Fuel Consumption:	-----
Velocity of Gas Flow (m/s)	6.50	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	129799		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS 11255 (Part 1) :1985	29.45
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS 11255 (Part 2) : 1985	61.82
3.	Carbon Dioxide as CO ₂	% (v/v)	IS 13270 : 1992	6.40
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7 : 2005	43.29

Remarks: 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.

Tested By
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4.11.25
Sr. Analyst
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S.K.M. Mizanur Rahman
4/11/25
Lab In Charge
(S.K.M. Mizanur Rahman)



Authorized Signatory
Piyush Ranjan
04/11/2025
Quality Manager
(Piyush Ranjan)

***END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000977F	
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
Discipline	Chemical	Plant Status	Not Operational
Sampling Method	IS: 11255 & CPCB Guideline (Lats/80/2013-14)	Sampling Plan	SCECPL/SOP/SAMP/STK/01
		Sample Receiving date	01.11.2025
Date of Sampling	15.05.2025	Sample Collected by	Vivek Kr. Malakar & Team
Location	Sinter 02, Bag Filter Stack (Bhorandiha)	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/264/ST-89	Period of Analysis	01.11.2025
Sinter Plant No.-02	Stack Not in Operation	Report Release Date	04.11.2024

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	1000 TPD (Sinter)
Platform	Permanent	Emission due to	Process Activity
Stack Gas Temperature (°C)	-	Type of Fuel Used	BF Gas
Barometric Pressure (mm of Hg)	752	Fuel Consumption:	-
Velocity of Gas Flow (m/s)	-	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	-		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS 11255 (Part 1) :1985	Stack Not in Operation
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS 11255 (Part 2) : 1985	-
3.	Carbon Dioxide as CO ₂	% (v/v)	IS 13270 : 1992	-
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7 : 2005	-

Remarks: 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.

Tested By
Ranjeet Yadav
4.11.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
S.K.M. Mizanur Rahman
9.11.25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory
Piyush Ranjan
04/11/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000978F	
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
Discipline	Chemical	Plant Status	Not Operational
Sampling Method	IS: 11255 & CPCB Guideline (Lats/80/2013-14)	Sampling Plan	SCECPL/SOP/SAMP/STK/01
		Sample Receiving date	01.11.2025
Date of Sampling	30.10.2025	Sample Collected by	Vivek Kr. Malakar & Team
Location	BF – 01, Bag Filter Stack (Bhorandiha)	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/264/ST-90	Period of Analysis	01.11.2025
Blast Furnace No.-01	Not Operational	Report Release Date	04.11.2025

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	1000 TPD (Pig Iron)
Platform	Permanent	Emission due to	Smelting of Coke & Ore
Stack Gas Temperature (°C)	-	Type of Fuel Used	Hard Coke
Barometric Pressure (mm of Hg)	752	Fuel Consumption:	-----
Velocity of Gas Flow (m/s)	-	Pollution Control Device	Bag Filter
Flue Gas Quantity (Nm ³ /Hr)	-		

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS 11255 (Part 1) :1985	Not Operational
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS 11255 (Part 2) : 1985	-
3.	Carbon Dioxide as CO ₂	% (v/v)	IS 13270 : 1992	-
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7 : 2005	-

Remarks: 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.

Tested By
Ranjeet Yadav
4.11.25
Sr. Analyst
(Ranjeet Yadav)

Reviewed By
S.K.M. Mizanur Rahman
4.11.25
Lab In Charge
(S.K.M. Mizanur Rahman)

Authorized Signatory
Piyush Ranjan
04/11/2025
Quality Manager
(Piyush Ranjan)

*** END OF REPORT ***





TC-9948



let's start thinking about nature for tomorrow

TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000979F	
Name of Customer	M/s Atibir Industries Co Ltd. Unit (II)	Type of Industry	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand	Group	Atmospheric Pollution
Discipline	Chemical	Plant Status	Not Operational
Sampling Method	IS: 11255 & CPCB Guideline (Lats/80/2013-14)	Sampling Plan	SCECPL/SOP/SAMP/STK/01
Date of Sampling	30.10.2025	Sample Receiving date	01.11.2025
Location	Pellet Plant E.S.P. Stack (Bhorandiha)	Sample Collected by	Vivek Kr. Malakar & Team
Sample Details	Stack Emission	Sample condition	Sealed
Sample ID	SCECPL/TR/25/264/ST-91	Sample Drawn By	Sabz Care Lab
Pelletisation Plant	Not in Operation	Period of Analysis	01.11.2025
		Report Release Date	04.11.2025

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	1000 MT/day (Pellet)
Platform	Permanent	Emission due to	Burning of Coal & BF Gas
Stack Gas Temperature (°C)	----	Type of Fuel Used	Coal & BF Gas
Barometric Pressure (mm of Hg)	752	Fuel Consumption:	-----
Velocity of Gas Flow (m/s)	-----	Pollution Control Device	E.S.P.
Flue Gas Quantity (Nm ³ /Hr)	-----		

TEST RESULTS


S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS 11255 (Part 1) :1985	Stack Not in Operation
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS 11255 (Part 2) : 1985	-----
3.	Carbon Dioxide as CO ₂	% (v/v)	IS 13270 : 1992	-----
4.	Oxide of Nitrogen as NOx	mg/Nm ³	IS 11255: Part 7 : 2005	-----

Remarks: 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.

Tested By
Ranjet Yadav
4.11.25
Sr. Analyst
(Ranjet Yadav)

Reviewed By
S.K.M. Mizanur Rahman
9/11
Lab In Charge 25
(S.K.M. Mizanur Rahman)

Authorized Signatory
Piyush Ranjan
04/11/2025
Quality Manager
(Piyush Ranjan)



*** END OF REPORT ***



TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000980F	
Name of the Customer	Atibir Industries Co. Ltd.(Unit-II)	Particular of the Plant	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand		
Discipline	Chemical	Sample Collected by	Vivek Kumar Malakar
Date of Sampling	30.10.2025	Group	Water & Residues in Water
Date of Sample Receiving	01.11.2025	Sample Condition	Sealed & Preserved
Type of Sample	Ground Water	Sampling Plan	SCECPL/SOP/SAMPWA/01
Sample Details	Borewell Water	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/264/WT-202	Location	Near Automobile Center
Period of Analysis	01.11.2025 to 04.11.2025	Report Release Date	04.11.2025
Sampling Method	IS 17614 (Part 1): 2021		
Meteorological information	Average Ambient Temperature : 27.50°C , Barometric Pressure : 752 mmHg Relative Humidity : 74%, Weather Condition - Clear		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Minimum Detection Limit	Result	Requirements (Acceptable Limit) as per IS 10500: 2012	Permissible Limit in the absence of Alternate Source as per IS 10500: 2012
10	Chloride as Cl	mg/L	IS 3025 (Part 32) : 1988	1.0	61.11	250	1000
11	Fluoride as F	mg/L	IS 3025 (Part 60) : 1988	0.05	0.13	1.0	1.5
12	Sulphate	mg/L	IS 3025 (Part 24) : 1986	1.0	58.1	200	200
13	Nitrate	mg/L	IS 3025 (Part 34) : 1988	0.1	6.8	45	45
14	Phosphate	mg/L	IS 3025 (Part 31, Sec 1) : 1988	0.1	0.41	Not specified	Not specified
15	Arsenic	mg/L	IS 3025 (Part 37) : 1988	0.05	BDL	0.01	0.01
16	Total Chromium as Cr	mg/L	IS 3025 (Part 52 i) : 2003	0.03	BDL	0.05	0.05
17	Copper as Cu	mg/L	IS 3025 (Part 42 a) : 1992	0.03	BDL	0.05	1.5
18	Iron as Fe	mg/L	IS 3025 (Part 53 a) : 2024	0.075	0.35	1.0	1.0
19	Manganese as Mn	mg/L	IS 3025 (Part- 59 b) : 2023	0.01	BDL	0.1	0.3
20	Nickel	mg/L	IS3025 (Part- 54 a) : 2003	0.03	BDL	0.02	0.02
21	Lead	mg/L	IS3025 (Part- 47 iv) : 1994	0.03	BDL	0.01	0.01
22	Zinc	mg/L	IS3025 (Part- 49 i) : 1994	0.02	0.016	5	15

Remarks-

- 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.

Tested By

S.K.M. Mizanur Rahaman
Analyst
9/11/25

(S.K.M. Mizanur Rahaman)

Reviewed By

Ranjeet Yadav
4.11.2025
Sr. Analyst

(Ranjeet Yadav)

Authorized Signatory



Piyush Ranjan
04/11/2025
Quality Manager

(Piyush Ranjan)

*** END OF REPORT ***

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TEST REPORT

Unique Lab Report No. (ULR No.)		TC99482500000980F	
Name of the Customer	Atibir Industries Co. Ltd.(Unit-II)	Particular of the Plant	Integrated Steel Plant
Address	Bhorandiha, P.O.-Udnabad District-Giridih, State-Jharkhand		
Discipline	Chemical	Sample Collected by	Vivek Kumar Malakar
Date of Sampling	30.10.2025	Group	Water & Residue in Water
Date of Sample Receiving	01.11.2025	Sample Condition	Sealed & Preserved
Type of Sample	Ground Water	Sampling Plan	SCECPL/SOP/SAMPWA/01
Sample Details	Borewell Water	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/25/264/WT-202	Location	Near Automobile Center
Period of Analysis	01.11.2025 to 04.11.2025	Report Release Date	04.11.2025
Sampling Method	IS 17614 (Part 1): 2021		
Meteorological information	Average Ambient Temperature : 27.50°C , Barometric Pressure :752 mmHg Relative Humidity : 74%, Weather Condition - Clear		

TEST REPORT

S.N.	Parameter	Unit	Test Method	Minimum Detection Limit	Result	Requirements (Acceptable Limit) as per IS 10500: 2012	Permissible Limit in the absence of Alternate Source as per IS 10500: 2012
1	pH @ 25°C	---	IS 3025 (Part 11) : 1983	4.0	7.16	6.5 to 8.5	6.5 to 8.5
2	Electrical Conductivity	µS/cm	IS 3025 (Part 14) : 1984	5.0	525.0	Not specified	Not specified
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	0.1	0.8	1	5
4	Odour	---	IS 3025 (Part 5) : 1983	Qualitative	Agreeable	Agreeable	Agreeable
5	Total Dissolved Solids	mg/L	IS 3025 (Part 16) : 1984	2.0	332.0	500	2000
6	Total Alkalinity	mg/L	IS 3025 (Part 23) : 1986	0.5	139.10	200	600
7	Total Hardness as CaCO ₃	mg/L	IS 3025 (Part 21) : 1983	1.0	162.66	200	600
8	Calcium as Ca	mg/L	IS 3025 (Part 40) : 1991	1.0	59.0	75	200
9	Magnesium as Mg	mg/L	IS 3025 (Part 46) : 1994	1.0	28.9	30	100

Tested By

[Signature]
Analyst
(S.K.M. Mizanur Rahaman)

Reviewed By

[Signature]
4.11.2025
Sr. Analyst
(Ranjeet Yadav)

Authorized Signatory



[Signature]
04/11/2025
Quality Manager
(Piyush Ranjan)