



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

TEST REPORT

Name of Industry	M/s Atibir Industries Co. Ltd (Unit-II)	Work order No	13022724 (Date-15.04.2022)
Address	At-Bhorandiha, P.OUdanabad District- Giridih, State-Jharkhand	Particular of the Plant	Integrated Steel Plant
Date of Sampling	16.04.2022 to 17.04.2022	Sample Collected by	Ranjeet Yadav & Team
Type of Sample	Suspended Dust and Gases	Sample condition	Sealed and Preserved
Sample Details	Ambient Air	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/22/90/AA-80	ULR No.	TC994822000000175
Period of Analysis	20.04.2022 to 21.04.2022	Plant Status	Operational
		Report Release Date	22.04.2022

A. GENERAL INFORMATION

Location of Sampling:

Location-1: Near Main Gate (Coordinates- 24°8'39.31"N to 86°20'20.62"E)

Location- 2: Near Admin Building (Coordinates- 24°8'37.06"N to 86°20'20.08"E)

Location- 3: Near Temple (Coordinates- 24°8'39.31"N to 86°20'19.41"E)

Duration of Sampling: 24 hours

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 34

2. Relative Humidity (%)

: 48

3. Barometric Pressure (mmHg)

: 747

4. Smell or Odour

: No Remarkable smell

5. Weather condition

: Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS	RESULTS	RESULTS	Requirements/
				(Location-1)	(Location-2)	(Location-3)	Specifications
					47		as per CPCB
1.	Particulate Matter as PM _{2.5}	μig/m ³	IS 5182 (Part 24)	36.22	34.62	37.83	$60 (\mu g/m^3)$
2.	Particulate Matter as PM ₁₀	μg/m ³	IS 5182 (Part 23)	72.66	74.57	78.36	$100 (\mu g/m^3)$
3.	Sulphur Dioxide as SO ₂	μg/m ³	IS 5182(Part 2)	20.31	22.66	24.48	$80 (\mu g/m^3)$
4.	Nitrogen Dioxide as NO ₂	μg/m ³	IS 5182(Part 6)	28.54	30.68	31.47	80 (μg/m ³)

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard.

Test values are reported based on the samples received.

• Samples will be destroyed after 30 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

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)





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TEST REPORT

Name of Industry	M/s Atibir Industries Co. Ltd (Unit-II)	Work order No	13022724 (Date-15.04.2022)
Address	At-Bhorandiha, P.OUdanabad District- Giridih, State-Jharkhand	Particular of the Plant	Integrated Steel Plant
Date of Sampling	17.04.2022 to 18.04.2022	Sample Collected by	Ranjeet Yadav & Team
Type of Sample	Suspended Dust and Gases	Sample condition	Sealed and Preserved
Sample Details	Ambient Air	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/22/90/AA-81	ULR No.	TC994822000000176
Period of Analysis	20.04.2022 to 21.04.2022	Plant Status	Operational
		Report Release Date	22.04.2022

A. GENERAL INFORMATION

Location of Sampling: Location-4: Near Pump House (Pellet Plant) (Coordinates- 24°8'43.52"N to 86°20'10.21"E)

Location- 5: Near Electrical Control Room (Coordinates- 24°8'42.72"N to 86°20'4.56"E)

Location- 6: Near Old Guest House (Coordinates- 24°8'37.17"N to 86°20'9.06"E)

Duration of Sampling: 24 hours

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C)

2. Relative Humidity (%)

: 48

3. Barometric Pressure (mmHg)

: 747

4. Smell or Odour

: No Remarkable smell

5. Weather condition

: Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS	RESULTS	RESULTS	Requirements/
				(Location-1)	(Location-2)	(Location-3)	Specifications
				4			as per CPCB
1.	Particulate Matter as PM _{2.5}	μig/m ³	IS 5182 (Part 24)	49.33	47.36	45.57	60 ($\mu g/m^3$)
2.	Particulate Matter as PM ₁₀	μg/m³	IS 5182 (Part 23)	94.75	92.40	90.29	100 (μg/m ³)
3.	Sulphur Dioxide as SO ₂	μg/m ³	IS 5182(Part 2)	38.54	36.46	34.64	$80 (\mu g/m^3)$
4.	Nitrogen Dioxide as NO ₂	μg/m ³	IS 5182(Part 6)	43.78	48.66	45.34	$80 (\mu g/m^3)$

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard.

- Test values are reported based on the samples received.
- Samples will be destroyed after 30 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

Quality Manager MADH Piyush Ranjan)

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

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





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Name of Industry	M/s Atibir Industries Co. Ltd (Unit-II)	Work order No	13022724 (Date-15.04.2022)
Address	At-Bhorandiha, P.OUdanabad District- Giridih, State-Jharkhand	Particular of the Plant	Integrated Steel Plant
Date of Sampling	18.04.2022 to 19.04.2022	Sample Collected by	Ranjeet Yadav & Team
Type of Sample	Suspended Dust and Gases	Sample condition	Sealed and Preserved
Sample Details	Ambient Air	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/22/90/AA-82	ULR No.	TC994822000000177
Period of Analysis	20.04.2022 to 21.04.2022	Plant Status	Operational
		Report Release Date	22.04.2022

A. GENERAL INFORMATION

Location of Sampling:

Location-7: Near Workshop (Coordinates- 24°8'41"N to 86°20'20.97"E)

Location- 8: Near PCM BF-02 (Coordinates- 24°8'48.17"N to 86°19'56.65"E)

Location- 9: Near China Office (Coordinates- 24°8'38.95"N to 86°20'6.18"E)

Duration of Sampling: 24 hours

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 34

2. Relative Humidity (%)

: 48

3. Barometric Pressure (mmHg)

: 747

4. Smell or Odour

: No Remarkable smell

5. Weather condition

: Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS	RESULTS	RESULTS	Requirements/
				(Location-1)	(Location-2)	(Location-3)	Specifications
			,				as per CPCB
1.	Particulate Matter as PM _{2.5}	μġ/m³	IS 5182 (Part 24)	42.73	41.30	44.96	60 ($\mu g/m^3$)
2.	Particulate Matter as PM ₁₀	μg/m ³	IS 5182 (Part 23)	91.85	89.53	93.35	$100 (\mu g/m^3)$
3.	Sulphur Dioxide as SO ₂	μg/m ³	IS 5182(Part 2)	35.68	34.38	37.50	80 (μg/m ³)
4.	Nitrogen Dioxide as NO ₂	μg/m ³	IS 5182(Part 6)	44.36	43.39	47.49	$80 (\mu g/m^3)$

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard.

Test values are reported based on the samples received.

• Samples will be destroyed after 30 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

Quality Manager (Piyash Ranjan)

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

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





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TEST REPORT

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Address	At-Bhorandiha, P.OUdanabad District- Giridih, State-Jharkhand	Particular of the Plant	Integrated Steel Plant
Date of Sampling	19.04.2022 to 20.04.2022	Sample Collected by	Ranjeet Yadav & Team
Type of Sample	Suspended Dust and Gases	Sample condition	Sealed and Preserved
Sample Details	Ambient Air	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/22/90/AA-83	ULR No.	TC994822000000178
Period of Analysis	20.04.2022 to 21.04.2022	Plant Status	Operational
	-	Report Release Date	22.04.2022

A. GENERAL INFORMATION

Location of Sampling:

Location-10: Near Gate No. 02 (Coordinates- 24°8'43.35"N to 86°20'19.34"E)

Location- 11: Near Granulisation Plant (Coordinates- 24°8'42.31"N to 86°19'58"E)

Location- 12: Near Tipler (Coordinates- 24°8'45.27"N to 86°20'14.02"E)

Duration of Sampling: 24 hours

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 34

2. Relative Humidity (%)

: 48

3. Barometric Pressure (mmHg)

: 747

4. Smell or Odour

: No Remarkable smell

5. Weather condition

: Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Location-1)	RESULTS (Location-2)	RESULTS (Location-3)	Requirements/ Specifications as per CPCB
1.	Particulate Matter as PM _{2.5}	μg/m ³	IS 5182 (Part 24)	40.77	38.66	36.76	60 ($\mu g/m^3$)
2.	Particulate Matter as PM ₁₀	μg/m ³	IS 5182 (Part 23)	88.58	84.73	86.30	100 (μg/m³)
3.	Sulphur Dioxide as SO ₂	μg/m ³	IS 5182(Part 2)	33.59	30.47	32.55	$80 (\mu g/m^3)$
4.	Nitrogen Dioxide as NO ₂	μg/m³	IS 5182(Part 6)	38.30	37.52	40.45	80 (μg/m ³)

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard.

• Test values are reported based on the samples received.

• Samples will be destroyed after 30 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 ***

REAuthorized Signatory

uality 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)





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TEST REPORT

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Address	At-Bhorandiha, P.OUdanabad District- Giridih, State-Jharkhand	Type of Industry	Integrated Steel Plant
Date of Study	16.04.2022 to 17.04.2022	Sample Collected By	Ranjeet Yadav & Team
Sample ID	SCECPL/TR/22/90/NR-56	Time of Duration	24 Hours
Sample Drawn by	Sabz Care Lab	ULR No.	TC994822000000179
Sample details	Ambient Noise	Plant Status	Operational
Method No.	IS:9989-2014	Report Release Date	22.04.2022

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.

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

AMBIENT NOISE QUALITY REPORT

Sampling Location	Minimum	Ld-Mean (Day)	Ln-Mean (Night)	L _{eq} Mean	Maximum
1. Near Main Gate (Coordinates- 24°8'39.31"N to 86°20'20.62"E)	48.90	68.80	54.80	67.80	73.60
2. Near Admin Building (Coordinates- 24°8'37.06"N to 86°20'20.08"E)	47.60	68.00	54.80	67.20	72.80
3. Near Temple (Coordinates- 24°8'39.31"N to 86°20'19.41"E)	50.80	69.20	56.60	68.50	74.20

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.

*** END OF REPORT ***

Authorized Signatory

Quality Manager (Piyush Ranjan)

Puyush

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

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

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





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Address	At-Bhorandiha, P.OUdanabad	Type of Industry	Integrated Steel Plant
	District- Giridih, State-Jharkhand		
Date of Sampling	19.04.2022	Sample Collected by	Ranjeet Yadav & Team
Location	Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/22/90/ST-16	ULR No.	TC994822000000180
Period of Analysis	20.04.2022	Plant Status	Operational
7/		Report Release Date	22.04.2022

GENERAL INFORMATION ABOUT STACK

1. Stack attached to

: Pelletisation Plant

2. Shape of Stack

: Circular

M.S

3. Material of Construction

: 45 Meter

4. Height of Stack from G.L (mtr)

: 3.50 Meter

5. Stack ID at sampling point (mtr) 6. Height of sampling port from G.L. (mtr)

: 35 Meter

7. Capacity

: 1000 MT/Day (Iron Ore Pellet) : Combustion of Coal/Furnace Oil

8. Emission due to

: Coal & BF Gas

9. Type of Fuel Used 10. Fuel Consumption

: Coal-50 Kg/MT & BF Gas-10,000 M³/hr

b. Platform: Permanent

11. a. Ladder: Permanent

: E.S.P.

12. Pollution Control Device 13. Stack Gas Temperature (°C)

: 142 °C

14. Barometric Pressure (mm of Hg)

: 747.00 mm of Hg

15. Velocity of Gas Flow (m/s)

: 4.93 m/s

16. Emission Rate (Nm³/Hr)

: 120497 Nm³/Hr

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	62.47
2.	Sulphur Dioxide as SO ₂	mg/Nm³	IS: 11255 (Part 2)	112.10
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	6.2
4.	Oxide of Nitrogen as NOx	mg/Nm3	IS 11255: Part 7	66.59

*Remark:

Test values are reported based on the samples received.

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*** END OF REPORT **

Puyush Quality Manager

uthorized Signatory

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





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TEST REPORT

Name of Industry	M/s Atibir Industries Co. Ltd (Unit-II)	Work order No	13022724 (Date-15.04.2022)
Address	At-Bhorandiha, P.OUdanabad	Type of Industry	Integrated Steel Plant
	District- Giridih, State-Jharkhand		
Date of Sampling	19.04.2022	Sample Collected by	Ranjeet Yadav & Team
Location	Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/22/90/ST-17	ULR No.	TC994822000000181
Period of Analysis	20.04.2022	Stack Status	Not Operational
		Report Release Date	22.04.2022

GENERAL INFORMATION ABOUT STACK

1. Stack attached to

: Blast Furnace No.-01 (300 Nm³)

2. Shape of Stack

: Circular

Bricks

3. Material of Construction

: 60.0 Meter

4. Height of Stack from G.L (mtr)

: 1.75 Meter

5. Stack ID at sampling point (mtr) 6. Height of sampling port from G.L. (mtr)

: 23 Meter

7. Capacity

8. Emission due to

: 1000 MT/Day (Pig Iron) : Smelting of Coke & Ore

9. Type of Fuel Used

: Hard Coke

10. Fuel Consumption

Ladder: Permanent 11. a.

b. Platform: Permanent

12. Pollution Control Device

: Bag Filter

: -----

13. Stack Gas Temperature (°C) 14. Barometric Pressure (mm of Hg)

: 747.00 mm of Hg

15. Velocity of Gas Flow (m/s)

16. Emission Rate (Nm³/Hr)

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TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	MS NAT THE DEC THE SALE OF THE
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	
4.	Oxide of Nitrogen as NOx	mg/Nm3	IS 11255: Part 7	

*Remark: Stack Was not in Operation While Testing

- Test values are reported based on the samples received.
- Samples will be destroyed after 30 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 ***

Duyush Quality Manager MADH Piyush Ranjan)

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TEST REPORT

Name of Industry	M/s Atibir Industries Co. Ltd (Unit-II)	Work order No	13022724 (Date-15.04.2022)
Address	At-Bhorandiha, P.OUdanabad	Type of Industry	Integrated Steel Plant
	District- Giridih, State-Jharkhand		
Date of Sampling	19.04.2022	Sample Collected by	Ranjeet Yadav & Team
Location	Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/22/90/ST-18	ULR No.	TC994822000000182
Period of Analysis	20.04.2022	Stack Status	Not Operational
		Report Release Date	22.04.2022

GENERAL INFORMATION ABOUT STACK

1. Stack attached to

2. Shape of Stack

3. Material of Construction

4. Height of Stack from G.L (mtr) 5. Stack ID at sampling point (mtr)

6. Height of sampling port from G.L. (mtr)

7. Capacity

8. Emission due to

9. Type of Fuel Used

10. Fuel Consumption

Ladder: Permanent 11. a.

12. Pollution Control Device 13. Stack Gas Temperature (°C)

14. Barometric Pressure (mm of Hg)

15. Velocity of Gas Flow (m/s)

16. Emission Rate (Nm³/Hr)

: Blast Furnace No.-02 (300 Nm³)

: Circular

Bricks

: 88.0 Meter

: 3.0 Meter

: 40.0 Meter

: 1000 MT/Day (Pig Iron)

: Smelting of Coke & Ore

: Hard Coke

b. Platform: Permanent

: Bag Filter

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: 747.00 mm of Hg

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	7
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	******
4.	Oxide of Nitrogen as NOx	mg/Nm3	IS 11255: Part 7	

*Remark: Stack was not in Operation while Testing.

- Test values are reported based on the samples received.
- Samples will be destroyed after 30 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 Duyush

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





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TEST REPORT

Name of Industry	M/s Atibir Industries Co. Ltd (Unit-II)	Work order No	13022724 (Date-15.04.2022)
Address	At-Bhorandiha, P.OUdanabad	Type of Industry	Integrated Steel Plant
	District- Giridih, State-Jharkhand		
Date of Sampling	19.04.2022	Sample Collected by	Ranjeet Yadav & Team
Location	Stack	Sample condition	Sealed
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab
Report No.	SCECPL/TR/22/90/ST-19	ULR No.	TC994822000000183
Period of Analysis	20.04.2022	Stack Status	Not Operational
		Report Release Date	22.04.2022

GENERAL INFORMATION ABOUT STACK

1. Stack attached to

: Sinter Plant No.-01

2. Shape of Stack

: Circular

3. Material of Construction

Bricks

4. Height of Stack from G.L (mtr)

60.0 Meter

: 1.75 Meter

5. Stack ID at sampling point (mtr)

6. Height of sampling port from G.L. (mtr)

7. Capacity

: 1000 MT/Day (Iron Ore Fines)

8. Emission due to

: Process Activity

9. Type of Fuel Used

: BF Gas

10. Fuel Consumption

11. a. Ladder: Permanent

b. Platform: Permanent

12. Pollution Control Device

: Bag Filter

13. Stack Gas Temperature (°C)

14. Barometric Pressure (mm of Hg)

: 747.00 mm of Hg

15. Velocity of Gas Flow (m/s)

-

16. Emission Rate (Nm³/Hr)

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm³	IS: 11255 (Part 1)	******
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS: 11255 (Part 2)	
3.	Carbon Dioxide as CO ₂	% (v/v)	IS: 13270	
4.	Oxide of Nitrogen as NOx	mg/Nm3	IS 11255: Part 7	

*Remark: Stack was not in Operation while Testing.

- Test values are reported based on the samples received.
- Samples will be destroyed after 30 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 ***

uthorized Signatory * Duyush **O**uality Manager

(Piyush Ranjan)

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