



NEW VISION EARTH CONSULTANCY (OPC) PVT. LTD. (NVECPL)

Accredited By: -
Jharkhand State Pollution Control Board (JSPCB) B-2062
Certified By: - ISO 14001: 2015, ISO 45001: 2018, ISO 9001:2015

TEST REPORT

Client Reference No:	19006499	Report No.:	VEC/RNC/AQ/2026/240
Name & Address of Client:	ATIBIR INDUSTRIES CO. LTD, AT- UNIT-II, BHORANDIHA, DIST- GIRIDIH, JHARKHAND.	Report Release Date:	31/03/2026
		Sampling Date	21/03/2026 to 22/03/2026
		Sample Receipt Date:	22/03/2026
Weather Condition	Clear	Sample Description:	Ambient Air Quality
Average Temperature (°C)	22 °C	Sample Condition	Normal
Barometric Pressure(mmHg)	761 (mmHg)	Period of Analysis	23/03/2026 to 28/03/2026
Plant Status	Operational		

Sampling Location	Unit 1	Unit 2	Unit 3
	NEAR ADMINISTRATION BUILDING	NEAR WEIGH BRIDGE NO-2	NEAR COKE STOCK YARD
Latitude & Longitude	24°08'41.93"N 86°19'53.09" E	24°08'35.47"N 86°19'54.45" E	24°08'32.47"N 86°19'51.71" E
Sample ID	VEC/AQ/26/03/22/001	VEC/AQ/26/03/22/002	VEC/AQ/26/03/22/003
Instrument calibration status	10/03/2026 to 09/03/2027	10/03/2026 to 09/03/2027	10/03/2026 to 09/03/2027

General Information

Client Representative	Paras Kumar Sarawgi	Surrounding activity	Industrial Area
Sample collected by	VEC Team	Scope of Monitoring	PM10, PM2.5, SO ₂ , NO ₂
Time of Monitoring	24 Hrs.	Sampling Protocol/Procedure	IS 5182 or VEC/SP/AIR/14

TEST RESULTS

S. No.	Parameter	Protocol	Group : Atmospheric Pollution				Unit	NAAQS
			Sampling Location					
			UNIT 1	UNIT 2	UNIT 3			
1	Particulate Matter (PM10)	IS 5182: Part 23: 2006 (RA:2022)	85.2	88.5	83.5	µg/m ³	100 µg/m ³	
2	Particulate Matter (PM2.5)	IS 5182: Part 24: 2019	40.7	42.4	39.4	µg/m ³	60 µg/m ³	
3	Sulphur Dioxide (SO ₂)	IS 5182: Part 2:2018 (RA: 2023)	15.3	16.5	13.3	µg/m ³	80 µg/m ³	
4	Oxides of Nitrogen (NO ₂)	IS 5182: Part 6:2006 (RA:2022)	32.8	34.6	31.6	µg/m ³	80 µg/m ³	

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4. This analyzed parameters are found within the limit.

Reviewed by:

Name: Krishna Kumar
Designation: Technical Manager



Authorized Signatory:

Name: Ajay Kumar Singh
Designation: CEO

*****End of the Report*****

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TEST REPORT

Client Reference No:	19006499	Report No.:	VEC/RNC/ANQ/2026/241
Name & Address of Client:	ATIBIR INDUSTRIES CO. LTD, AT- UNIT-II, BHORANDIHA, DIST- GIRIDIH, JHARKHAND.	Report Release Date :	31/03/2026
		Sampling Date	21/03/2026 to 22/03/2026
		Sample Receipt Date :	22/03/2026
Weather Condition	Clear	Sample Description:	Ambient Noise Quality
Average Temperature (°C)	22 °C	Period of Analysis	23/03/2026 to 28/03/2026
Barometric Pressure(mmHg)	761 (mmHg)		
Plant Status	Operational		

Sampling Location	Unit 1	Unit 2	Unit 3
	NEAR ADMINISTRATION BUILDING	NEAR WEIGH BRIDGE NO-2	NEAR COKE STOCK YARD
Latitude & Longitude	24°08'41.93"N 86°19'53.09" E	24°08'35.47"N 86°19'54.45" E	24°08'32.47"N 86°19'51.71" E
Sample ID	VEC/ANQ/26/03/22/004	VEC/ANQ/26/03/22/005	VEC/ANQ/26/03/22/006
Instrument calibration status	10/03/2026 to 09/03/2027	10/03/2026 to 09/03/2027	10/03/2026 to 09/03/2027

General Information

Client Representative	Paras Kumar Sarawgi	Surrounding activity	Industrial Area
Sample collected by	VEC Team	Scope of Monitoring	Ambient Noise Level

TEST RESULTS

Discipline	: Chemical	Group	: Atmospheric Pollution								
Parameter	: Ambient Noise Level	Protocol	: IS 9989								
Sampling Location									Unit	CPCB Limit	Time Duration
Unit 1			Unit 2			Unit 3					
L _{MAX} (DAY)	L _{MIN} (NIGHT)	L _{eq}	L _{MAX} (DAY)	L _{MIN} (NIGHT)	L _{eq}	L _{MAX} (DAY)	L _{MIN} (NIGHT)	L _{eq}	dB(A)	Day 75 dB(A) & Night 70 dB(A)	Day 6.00 a.m.-10.0. p.m. Night 10.00 p.m.-6.00 a.m.
68.5	40.4	54.4	70.3	43.7	57.0	66.2	40.2	53.2			

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Reviewed by:

Krishna Kumar

Name: Krishna Kumar
Designation: Technical Manager



Authorized Signatory:

Ajay Kumar Singh

Name: Ajay Kumar Singh
Designation: CEO

*****End of the Report*****



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TEST REPORT

Client Reference No:	19006499	Report No.:	VEC/RNC/SE/2026/242
Name & Address of Client:	ATIBIR INDUSTRIES CO. LTD, AT- UNIT-II, BHORANDIHA, DIST- GIRIDIH, JHARKHAND.	Report Release Date :	31/03/2026
		Sampling Date	21/03/2026
		Sample Receipt Date :	22/03/2026
Weather Condition	Clear	Sample Description:	Stack Emission
Average Temperature (°C)	22 °C	Sample Condition	Normal
Barometric Pressure(mmHg)	761 (mmHg)	Period of Analysis	23/03/2026 to 28/03/2026
Plant Status	Operational		

Sampling Location	Sinter 01, Bag Filter Stack (Bhorandiha)	Particular of Plant	Integrated Steel Plant
Latitude & Longitude	24°08'43.71"N 86°20'04.49"E	Client Representative	Paras Kumar Sarawgi
Sample ID	VEC/SE/26/03/22/007	Sample Collected by	VEC Team
Instrument Used	Stack Monitoring Kit	Sampling Protocol/ Procedure	IS 11255 (part- 1)
Instrument code	VEC/Field/010	Scope Of Monitoring	PM, Sox, Nox.
Instrument calibration status	10/03/2026 to 09/03/2027		

General Information			
Sampling Duration (Minutes)	77 Minute	Diameter of stack at Sampling Point (m)	3.0 m
Stack attached to	Sinter Plant No.-01 (300 nm ³)	Height of stack	
Make of stack	Bricks	(i) From Ground Level	60.0 m
Shape of Stack	Circular	(ii) From sampling port hole	23.0 m
Emission Due to	Process Activity	Ladder/ Platform	Permanent
Operating Schedule (Hrs/day)	N/A	Type of fuel used	BF Gas
Control measure if Any	Bag Filter	Average Flow rate of PM (LPM)	13 LPM
Operating condition at the time of Sampling	Running	Flow rate of Gas (LPM)	2 LPM

TEST RESULTS

Discipline : Chemical		Group : Atmospheric Pollution		
S. No.	Parameters	Protocol	Results	Unit
1	Particulate Matter (PM)	IS 11255 (Part 1)	32.0	mg/Nm ³
2	Oxide of Sulphur (SOx)	IS 11255 (Part 2)	83.6	mg/Nm ³
3	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)	63.1	mg/Nm ³

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Reviewed by:

Krishna Kumar

Name: Krishna Kumar
Designation: Technical Manager



Authorized Signatory:

Ajay Kumar Singh

Name: Ajay Kumar Singh
Designation: CEO

*****End of the Report*****



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TEST REPORT

Client Reference No:	19006499	Report No.:	VEC/RNC/SE/2026/243
Name & Address of Client:	ATIBIR INDUSTRIES CO. LTD, AT- UNIT-II, BHORANDIHA, DIST- GIRIDIH, JHARKHAND.	Report Release Date :	31/03/2026
		Sampling Date	21/03/2026
		Sample Receipt Date :	22/03/2026
Weather Condition	Clear	Sample Description:	Stack Emission
Average Temperature (°C)	23 °C	Sample Condition	Normal
Barometric Pressure(mmHg)	760 (mmHg)	Period of Analysis	23/03/2026 to 28/03/2026
Plant Status	Operational		

Sampling Location	BF 02, Bag Filter Stack (Bhorandiha)	Particular of Plant	Integrated Steel Plant
Latitude & Longitude	24°08'45.57"N 86°19'55.92"E	Client Representative	Paras Kumar Sarawgi
Sample ID	VEC/SE/26/03/22/008	Sample Collected by	VEC Team
Instrument Used	Stack Monitoring Kit	Sampling Protocol/ Procedure	IS 11255 (part- 1)
Instrument code	VEC/Field/010	Scope Of Monitoring	PM, Sox, Nox.
Instrument calibration status	10/03/2026 to 09/03/2027		

General Information			
Sampling Duration (Minutes)	83 Minute	Diameter of stack at Sampling Point (m)	3.0 m
Stack attached to	Blast Furnace No,-02 (300 nm ³)	Height of stack	
Make of stack	RCC	(i) From Ground Level	88.0 m
Shape of Stack	Circular	(ii) From sampling port hole	40.0 m
Emission Due to	Smelting of Coke & ore	Ladder/ Platform	Permanent
Operating Schedule (Hrs/day)	N/A	Type of fuel used	Hard Coke
Control measure if Any	Bag Filter	Average Flow rate of PM (LPM)	12 LPM
Operating condition at the time of Sampling	Running	Flow rate of Gas (LPM)	2 LPM

TEST RESULTS

Discipline : Chemical		Group : Atmospheric Pollution		
S. No.	Parameters	Protocol	Results	Unit
1	Particulate Matter (PM)	IS 11255 (Part 1)	26.0	mg/Nm ³
2	Oxide of Sulphur (SOx)	IS 11255 (Part 2)	63.5	mg/Nm ³
3	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)	46.5	mg/Nm ³

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Reviewed by:

Name: Krishna Kumar
Designation: Technical Manager



Authorized Signatory:

Name: Ajay Kumar Singh
Designation: CEO

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TEST REPORT

Client Reference No:	19006499	Report No.:	VEC/RNC/SE/2026/244
Name & Address of Client:	ATIBIR INDUSTRIES CO. LTD, AT- UNIT-II, BHORANDIHA, DIST- GIRIDIH, JHARKHAND.	Report Release Date :	31/03/2026
		Sampling Date	21/03/2026
		Sample Receipt Date :	22/03/2026
Weather Condition	Clear	Sample Description:	Stack Emission
Average Temperature (°C)	22 °C	Sample Condition	Normal
Barometric Pressure(mmHg)	760 (mmHg)	Period of Analysis	23/03/2026 to 28/03/2026
Plant Status	Operational		

Sampling Location	Sinter 02, Bag Filter Stack (Bhorandiha)	Particular of Plant	Integrated Steel Plant
Latitude & Longitude	24°08'39.68"N 86°20'04.49"E	Client Representative	Paras Kumar Sarawgi
Sample ID	VEC/SE/26/03/22/009	Sample Collected by	VEC Team
Instrument Used	Stack Monitoring Kit	Sampling Protocol/ Procedure	IS 11255 (part- 1)
Instrument code	VEC/Field/010	Scope Of Monitoring	PM, Sox, Nox.
Instrument calibration status	10/03/2026 to 09/03/2027		

General Information			
Sampling Duration (Minutes)	83 Minute	Diameter of stack at Sampling Point (m)	3.0 m
Stack attached to	Sinter Plant No.-02	Height of stack	
Make of stack	RCC	(i) From Ground Level	100.0 m
Shape of Stack	Circular	(ii) From sampling port hole	40.0 m
Emission Due to	Process Activity	Ladder/ Platform	Permanent
Operating Schedule (Hrs/day)	N/A	Type of fuel used	BF Gas
Control measure if Any	Bag Filter	Average Flow rate of PM (LPM)	12 LPM
Operating condition at the time of Sampling	Running	Flow rate of Gas (LPM)	2 LPM

TEST RESULTS

Discipline : Chemical		Group : Atmospheric Pollution		
S. No.	Parameters	Protocol	Results	Unit
1	Particulate Matter (PM)	IS 11255 (Part 1)	28.0	mg/Nm ³
2	Oxide of Sulphur (SOx)	IS 11255 (Part 2)	81.3	mg/Nm ³
3	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)	43.4	mg/Nm ³

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TEST REPORT

Client Reference No:	19006499	Report No.:	VEC/RNC/SE/2026/245
Name & Address of Client:	ATIBIR INDUSTRIES CO. LTD, AT- UNIT-II, BHORANDIHA, DIST- GIRIDIH, JHARKHAND.	Report Release Date :	31/03/2026
		Sampling Date	22/03/2026
		Sample Receipt Date :	22/03/2026
Weather Condition	Clear	Sample Description:	Stack Emission
Average Temperature (°C)	23 °C	Sample Condition	Normal
Barometric Pressure(mmHg)	761 (mmHg)	Period of Analysis	23/03/2026 to 28/03/2026
Plant Status	Operational		

Sampling Location	BF 01, Bag Filter Stack (Bhorandiha)	Particular of Plant	Integrated Steel Plant
Latitude & Longitude	24°08'44.25"N 86°20'04.48"E	Client Representative	Paras Kumar Sarawgi
Sample ID	VEC/SE/26/03/22/010	Sample Collected by	VEC Team
Instrument Used	Stack Monitoring Kit	Sampling Protocol/ Procedure	IS 11255 (part- 1)
Instrument code	VEC/Field/010	Scope Of Monitoring	PM, Sox, Nox.
Instrument calibration status	10/03/2026 to 09/03/2027		

General Information			
Sampling Duration (Minutes)	71 Minute	Diameter of stack at Sampling Point (m)	1.75 m
Stack attached to	Blast Furnace No,- 01 (300 nm ³)	Height of stack	
Make of stack	RCC	(i) From Ground Level	60.0 m
Shape of Stack	Circular	(ii) From sampling port hole	23.0 m
Emission Due to	Smelting of Coke & ore	Ladder/ Platform	Permanent
Operating Schedule (Hrs/day)	N/A	Type of fuel used	Hard Coke
Control measure if Any	Bag Filter	Average Flow rate of PM (LPM)	14 LPM
Operating condition at the time of Sampling	Running	Flow rate of Gas (LPM)	2 LPM

TEST RESULTS

Discipline : Chemical		Group : Atmospheric Pollution		
S. No.	Parameters	Protocol	Results	Unit
1	Particulate Matter (PM)	IS 11255 (Part 1)	36.0	mg/Nm ³
2	Oxide of Sulphur (SOx)	IS 11255 (Part 2)	88.5	mg/Nm ³
3	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)	51.3	mg/Nm ³

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Reviewed by:

Name: Krishna Kumar
Designation: Technical Manager



Authorized Signatory:

Name: Ajay Kumar Singh
Designation: CEO

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TEST REPORT

Client Reference No:	19006499	Report No.:	VEC/RNC/SE/2026/035
Name & Address of Client:	ATIBIR INDUSTRIES CO. LTD, AT- UNIT-II, BHORANDIHA, DIST- GIRIDIH, JHARKHAND.	Report Release Date :	31/03/2026
		Visit Date	22/03/2026
		Sample Receipt Date :	NA
Weather Condition	Clear	Sample Description:	NA
Average Temperature (°C)	23°C	Sample Condition	NA
Barometric Pressure(mmHg)	761 (mmHg)	Period of Analysis	NA
Plant Status	Non-Operational		

Sampling Location	NA	Particular of Plant	Integrated Steel Plant
Latitude & Longitude	24°08'43.47" N 86°20'09.37" E	Client Representative	Paras Kumar Sarawgi
Sample ID	NA	Sample Collected by	NA
Instrument Used	NA	Sampling Protocol/ Procedure	NA
Instrument code	NA	Scope Of Monitoring	NA
Instrument calibration status	NA		

General Information			
Sampling Duration (Minutes)	NA	Diameter of stack at Sampling Point (m)	3.50 m
Stack attached to	Pelletisation Plant	Height of stack	
Make of stack	MS	(i) From Ground Level	45.0 m
Shape of Stack	Circular	(ii) From sampling port hole	35.62 m
Emission Due to	Burning of Coal & BF Gas	Ladder/ Platform	No
Operating Schedule (Hrs/day)	N/A	Type of fuel used	Coal & BF Gas
Control measure if Any	E.S.P.	Average Flow rate of PM (LPM)	NA
Operating condition at the time of Sampling	NA	Flow rate of Gas (LPM)	NA

TEST RESULTS

Discipline		: Chemical	Group	: Atmospheric Pollution
S. No.	Parameters	Protocol	Results	Unit
1	Particulate Matter (PM)	IS 11255 (Part 1)	NA	mg/Nm ³
2	Oxide of Sulphur (SO _x)	IS 11255 (Part 2)	NA	mg/Nm ³
3	Oxides of Nitrogen (NO _x)	IS 11255 (Part 7)	NA	mg/Nm ³

Note – Since plant was not in working condition so monitoring analysis was not possible.

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Reviewed by:

Krishna Kumar

Name: Krishna Kumar
Designation: Technical Manager



Authorized Signatory:

Ajay Kumar Singh

Name: Ajay Kumar Singh
Designation: CEO

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