



# Eco Care



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Specialised House on Environmental Monitoring, Analysis, Assessment & Management

ISO 9000:2008 Certified, OHSAS 18001:2007 Certified

Manoj Talkies, (Basement Floor)  
Kumarpur, Asansol - 713304  
Dist. Burdwan (West Bengal)

## TEST REPORT

Report Release Date : 10.04.2017	Sample Ref. No.(ARF) : EC/ARF/29/170413
Test Report No : EC/TR/42/04030	Source of Sample : Ferro Alloys Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 05.04.17 to 06.04.17
Sample Collected by : Mr. Sisir Kr. Roy & Team	Period of Analysis : 07.04.17 to 08.04.17
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : <b>Jamshedpur Minerals &amp; Chemicals</b>	Remarks : ----
B-29(P), VI <sup>th</sup> Phase	Sample Drawn By : ECO CARE
A.I.A, Gamharia	Deviation from : None
Saraikela Kharsawan, Jharkhand	Method, if any

### 1. Sampling Location : Back Side of the Plant (North Side )

SL NO	TESTS	PROTOCOL	RESULT	Method Detection Limit
1	Particulate Matter PM <sub>10</sub> µg/m <sup>3</sup>	IS 5182:Part 23:2006	83.44	20
2	Particulate Matter PM <sub>2.5</sub> µg/m <sup>3</sup>	EPA CFR- 40 (pt 50), Appendix 1	41.69	10
3	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	IS 5182:Part 2:2001	21.66	4
4	Nitrogen Dioxide (NO <sub>x</sub> ), µg/m <sup>3</sup>	IS 5182:Part 6:2006	34.74	6

### 2. Sampling Location: Back Side of the Plant (South Side)

SL NO	TESTS	PROTOCOL	RESULT	Method Detection Limit
1	Particulate Matter PM <sub>10</sub> µg/m <sup>3</sup>	IS 5182:Part 23:2006	79.70	20
2	Particulate Matter PM <sub>2.5</sub> µg/m <sup>3</sup>	EPA CFR- 40 (pt 50), Appendix 1	35.83	10
3	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	IS 5182:Part 2:2001	23.43	4
4	Nitrogen Dioxide (NO <sub>x</sub> ), µg/m <sup>3</sup>	IS 5182:Part 6:2006	36.44	6

1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval of laboratory.

  
Authorised Signatory

**Nupur Chatterjee**  
B. Sc. M. Sc. (Env. Sc.)  
Dy Technical Manager



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## TEST REPORT

Report Release Date	: 10.04.2017	Sample Ref. No.(ARF)	: EC/ARF/29/170413
Test Report No	: EC/TR/42/04031	Source of Sample	: Ferro Alloys Plant
Type of Sample	: Suspended Dust & Gases	Sampling Date	: 05.04.17 to 06.04.17
Sample Collected by	: Mr. Sisir Kr. Roy & Team	Period of Analysis	: 07.04.17 to 08.04.17
Sample Details	: Ambient Air	Sample Condition	: Sealed & Preserved
Name & Address	: <b>Jamshedpur Minerals &amp; Chemicals</b> B-29(P), VI <sup>th</sup> Phase A.I.A, Gamharia Saraikela Kharsawan, Jharkhand	Remarks	: ----
		Sample Drawn By	: ECO CARE
		Deviation from Method, if any	: None

### 3. Sampling Location : Near Main Gate

SL NO	TESTS	PROTOCOL	RESULT	Method Detection Limit
1	Particulate Matter PM <sub>10</sub> µg/m <sup>3</sup>	IS 5182:Part 23:2006	86.90	20
2	Particulate Matter PM <sub>2.5</sub> µg/m <sup>3</sup>	EPA CFR- 40 (pt 50), Appendix 1	39.27	10
3	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	IS 5182:Part 2:2001	26.08	4
4	Nitrogen Dioxide (NO <sub>x</sub> ), µg/m <sup>3</sup>	IS 5182:Part 6:2006	34.95	6

### 4. Sampling Location: Near Administrative Building

SL NO	TESTS	PROTOCOL	RESULT	Method Detection Limit
1	Particulate Matter PM <sub>10</sub> µg/m <sup>3</sup>	IS 5182:Part 23:2006	73.47	20
2	Particulate Matter PM <sub>2.5</sub> µg/m <sup>3</sup>	EPA CFR- 40 (pt 50), Appendix 1	33.85	10
3	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	IS 5182:Part 2:2001	19.60	4
4	Nitrogen Dioxide (NO <sub>x</sub> ), µg/m <sup>3</sup>	IS 5182:Part 6:2006	32.24	6

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## TEST REPORT

Report Release Date : 10.04.2017	Sample Ref. No.(ARF) : EC/ARF/29/170413
Test Report No : EC/TR/42/04032	Source of Sample : Ferro Alloys Plant
Type of Sample : Noise	Sampling Date : 05.04.2017
Sample Collected by : Mr. Sisir Kr. Roy & Team	Period of Analysis : ----
Sample Details : Ambient Noise	Sample Condition : ----
Name & Address : <b>Jamshedpur Minerals &amp; Chemicals</b>	Remarks : ----
B-29(P), VI <sup>th</sup> Phase	Sample Drawn By : ECO CARE
A.I.A, Gamharia	Deviation from
Saraikela Kharsawan, Jharkhand	Method, if any : None

## METEOROLOGICAL INFORMATION

1	Average Temperature ( °C )	29.1.0
2	Average Relative Humidity (%)	41.3
3	Barometric Pressure (mm of Hg)	748
4	Weather Condition	Clear Day

## AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL		
	Minimum	Leq – Mean	Maximum
Near Main Gate	60.10 dB(A)	69.48 dB(A)	74.30 dB(A)
Back Side of the Plant	61.40 dB(A)	70.02 dB(A)	72.50 dB(A)
Near Administrative Building	59.20 dB(A)	66.57 dB(A)	70.10 dB(A)

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