



# 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	: 26.09.2017	Sample Ref. No.(ARF)	: EC/ARF/29/170929
Test Report No	: EC/TR/42/09084	Source of Sample	: Ferro Alloys Plant
Type of Sample	: Suspended Dust & Gases	Sampling Date	: 22.09.17 to 23.09.17
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 25.09.17 to 26.09.17
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 if any	: None

## METEOROLOGICAL INFORMATION

1	Average Temperature	28.2° C	2	Barometric Pressure	752 mm of Hg
3	Average Relative Humidity	71.0 %	4	Weather Condition	Clear Day

## AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 ( Part - 2 )	IS : 5182 ( Part - 6 )	IS : 5182 ( Part - 23 )	EPA CFR40(50), Appendix L
PARAMETERS	SO <sub>2</sub> (µg/M <sup>3</sup> )	NO <sub>x</sub> (µg/M <sup>3</sup> )	PM < 10 micron (µg/M <sup>3</sup> )	PM-2.5 (µg/M <sup>3</sup> )
Method Detection Limit	4	6	20	10
<b>1. Sampling Location : Back Side of the Plant (East Side)</b>				
Shift - A (09:40 PM To 05:40 PM)	27.42	36.38	87.16	42.29
Shift - B (05:50 PM To 01:50 AM)	21.92	32.21	72.06	
Shift - C (02:00 AM To 10:00 PM)	25.58	34.13	91.46	
Average ( Shift - A To Shift - C )	24.97	34.24	83.56	
<b>2. Sampling Location : Back Side of the Plant (North Side)</b>				
Shift - A (10:00 PM To 06:00 PM)	19.17	38.30	69.08	34.71
Shift - B (06:10 PM To 02:10 AM)	23.75	35.09	53.23	
Shift - C (02:20 AM To 10:20 PM)	20.08	44.40	79.18	
Average ( Shift - A To Shift - C )	21.00	39.26	67.16	

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.

*(Signature)*  
Authorised Signatory

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



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## TEST REPORT

Report Release Date	: 26.09.2017	Sample Ref. No.(ARF)	: EC/ARF/29/170929
Test Report No	: EC/TR/42/09085	Source of Sample	: Ferro Alloys Plant
Type of Sample	: Suspended Dust & Gases	Sampling Date	: 22.09.17 to 23.09.17
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: 25.09.17 to 26.09.17
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 if any	: None

## METEOROLOGICAL INFORMATION

1	Average Temperature	28.2° C	2	Barometric Pressure	752 mm of Hg
3	Average Relative Humidity	71.0 %	4	Weather Condition	Clear Day

## AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 ( Part - 2 )	IS : 5182 ( Part - 6 )	IS : 5182 ( Part - 23 )	EPA CFR40(50), Appendix L
PARAMETERS	SO <sub>2</sub> (µg/M <sup>3</sup> )	NO <sub>x</sub> (µg/M <sup>3</sup> )	PM < 10 micron (µg/M <sup>3</sup> )	PM-2.5 (µg/M <sup>3</sup> )
Method Detection Limit	4	6	20	10
<b>3. Sampling Location : Near Main Gate</b>				
Shift - A (09:00 PM To 05:00 PM)	32.00	40.87	85.10	39.00
Shift - B (05:10 PM To 01:10 AM)	25.58	34.78	63.28	
Shift - C (01:20 AM To 09:20 PM)	27.42	37.02	73.41	
Average ( Shift - A To Shift - C )	28.33	37.56	73.93	
<b>4. Sampling Location : Near Administrative Building</b>				
Shift - A (09:20 PM To 05:20 PM)	26.50	33.49	89.21	28.30
Shift - B (05:30 PM To 01:30 AM)	22.83	30.60	65.32	
Shift - C (01:40 AM To 09:40 PM)	24.67	36.38	82.04	
Average ( Shift - A To Shift - C )	24.67	33.49	78.86	

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## TEST REPORT

Report Release Date	: 26.09.2017	Sample Ref. No.(ARF)	: EC/ARF/29/170929
Test Report No	: EC/TR/42/09086	Source of Sample	: Ferro Alloys Plant
Type of Sample	: Noise	Sampling Date	: 22.09.2017
Sample Collected by	: Mr. Sumit Sarkar & Team	Period of Analysis	: ----
Sample Details	: Ambient Noise	Sample Condition	: ----
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 if any	: None

## METEOROLOGICAL INFORMATION

1	Average Temperature ( ° C )	28.2
2	Average Relative Humidity (%)	71.0
3	Barometric Pressure (mm of Hg)	752
4	Weather Condition	Clear Day

## AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL		
	Minimum	Leq – Mean	Maximum
Near Main Gate	61.70 dB(A)	68.63 dB(A)	73.90 dB(A)
Back Side of the Plant	52.10 dB(A)	61.55 dB(A)	66.90 dB(A)
Near Administrative Building	49.20 dB(A)	58.53 dB(A)	63.80 dB(A)

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