



Eco Care



Phone : (0341) 2252011
Fax : (0341) 2252011

Certificate No. TC 5109

Specialised House on Environmental Monitoring, Analysis, Assessment & Management

E-mail: ecocareasansol@rediffmail.com

ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

Mangj Talkies Basement, Kumparpur

ASANSOL-713304 (W.B.)

ULR NO - TC51091800000634F

Format No. : EC/TR/42/EM-07

TEST REPORT

Report Release Date	: 10.09.2018	Sample Ref. No (ARF)	: EC/ARF/29/180907
Test Report No	: EC/TR/42/09034	Source of Sample	: Ferro Alloys Plant
Type of Sample	: Noise	Sampling Date	: 05.09.2018
Sample Collected by	: Mr. Rajeev Kumar & Team	Period of Analysis	: ----
Sample Details	: Ambient Noise	Sample Condition	: ----
Name & Address	: Jamshedpur Minerals & Chemicals B-29(P).VI th Phase A.I.A.Gamharia Dist. - Saraikela Kharsawan Jharkhand	Remarks	: ----
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Deviation if any	: None

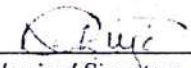
METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	27.6
2	Average Relative Humidity (%)	59.0
3	Barometric Pressure (mm of Hg)	750
4	Weather Condition	Clear Day

AMBIENT NOISE QUALITY REPORT

Sampling Location		NOISE LEVEL		
		Minimum	Leq - Mean	Maximum
1. Near Main Gate	Day	59.20 dB(A)	70.91 dB(A)	76.10 dB(A)
	Night	55.30 dB(A)	62.34 dB(A)	67.00 dB(A)
2. Back Side of the Plant	Day	54.70 dB(A)	63.91 dB(A)	68.80 dB(A)
	Night	51.50 dB(A)	58.77 dB(A)	63.20 dB(A)
3. Near Administrative Building	Day	48.40 dB(A)	55.48 dB(A)	60.70 dB(A)
	Night	45.70 dB(A)	52.55 dB(A)	57.30 dB(A)

1. Test values are reported based on the samples received.
2. 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



ULR NO - TCS1091800000632F

Format No. : EC/TRT/42/FM/04

TEST REPORT

Report Release Date : 10.09.2018	Sample Ref. No.(ARF) : EC/ARF/29/180907
Test Report No : EC/TR/42/09032	Source of Sample : Ferre Alloys Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 05.09.18 to 06.09.18
Sample Collected by : Mr. Rajeev Kumar & Team	Period of Analysis : 07.09.18 to 08.09.18
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Jamshedpur Minerals & Chemicals B-29(P), VI th Phase A.L.A.Gamharia Dist. Saraikela Kharsawan Jharkhand	Remarks : --- Sample Drawn By : ECO CARE Sampling Plan & Procedure : EC/SOP/03/01 Deviation if any : None

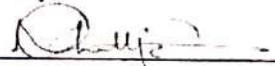
METEOROLOGICAL INFORMATION

1	Average Temperature	27.6 °C	2	Barometric Pressure	750 mm of Hg
3	Average Relative Humidity	59.0 %	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 I
PARAMETERS	SO ₂ (µg/M ³)	NO _x (µg/M ³)	PM ₁₀ (µg/M ³)	PM _{2.5} (µg/M ³)
Method Detection Limit	4	6	20	10
1. Sampling Location : Back Side of the Plant (East Side)				
Shift - A (09:00 AM To 05:00 PM)	34.30	39.40	70.11	31.32
Shift - B (05:10 PM To 01:10 AM)	25.58	35.09	52.25	
Shift - C (01:20 AM To 09:20 AM)	31.40	38.68	58.05	
Average (Shift - A To Shift - C)	30.43	37.72	60.14	
2. Sampling Location : Back Side of the Plant (North Side)				
Shift - A (09:20 AM To 05:20 PM)	28.49	33.65	65.28	28.05
Shift - B (05:30 PM To 01:30 AM)	19.77	30.78	59.15	
Shift - C (01:40 AM To 09:40 AM)	25.58	36.53	71.19	
Average (Shift - A To Shift - C)	24.61	33.65	65.21	

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



Eco Care



Phone : (0341) 2252011
Fax : (0341) 2252011

Specialised House on Environmental Monitoring, Analysis, Assessment & Management
ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

Certificate No. TC 5104

E-mail: ecpcareasansol@rediffmail.com
Manoj Talkies Basement, Kumpurpur
ASANSOL-713304 (W.B.)

ULR NO - TCS1091800000633F

Format No. : EC/TR/42/EM/04

TEST REPORT

Report Release Date : 10.09.2018	Sample Ref. No (ARI) : EC/ARF/29/180907
Test Report No : EC/TR/42/09033	Source of Sample : Ferro Alloys Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 05.09.18 to 06.09.18
Sample Collected by : Mr. Rajeev Kumar & Team	Period of Analysis : 07.09.18 to 08.09.18
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Jamshedpur Minerals & Chemicals B-29(P), VI th Phase A.I.A. Gambaria Dist. - Saraikela Kharsawan Jharkhand	Remarks : --- Sample Drawn By : ECO CARE Sampling Plan & Procedure : EC/SOP/03/01 Deviation if any : None

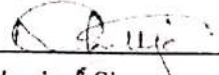
METEOROLOGICAL INFORMATION

1	Average Temperature	27.6°C	2	Barometric Pressure	750 mm of Hg
3	Average Relative Humidity	59.0 %	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 1
PARAMETERS	SO ₂ (µg/M ³)	NO _x (µg/M ³)	PM ₁₀ (µg/M ³)	PM _{2.5} (µg/M ³)
Method Detection Limit	4	6	20	10
3. Sampling Location : Near Main Gate				
Shift - A (09:40 AM To 05:40 PM)	40.12	43.72	74.46	34.28
Shift - B (05:50 PM To 01:50 AM)	37.21	30.78	65.33	
Shift - C (02:00 AM To 10:00 AM)	45.93	41.56	70.28	
Average (Shift - A To Shift - C)	41.09	38.69	70.02	
4. Sampling Location : Near Administrative Building				
Shift - A (10:00 AM To 06:00 PM)	22.68	25.74	62.36	23.47
Shift - B (06:10 PM To 02:10 AM)	16.86	23.58	47.07	
Shift - C (02:20 AM To 10:20 AM)	25.58	27.18	56.49	
Average (Shift - A To Shift - C)	21.71	25.50	55.31	

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