



ENVIROCHECK

LABORATORY ACCREDITED BY NABL

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CERTIFICATE No. : T-1751

ANNEXURE - II

AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Foundry Cluster Development Association
2.	Address	: Domjur, Amta Road, Howrah
3.	Date of sampling	: 23.06.2014 – 24.06.2014
4.	Report No.	: 39/EC/June/TR(A)/I/14-15
5.	Analysis completed on	: 28.06.2014
6.	Reporting Date	: 10.07.2014
7.	Particular of Plant	: Foundry Park

AJ GENERAL INFORMATION

1.	Location of Sampling	: Near Site Office
2.	Duration of Sampling	: 24 hrs. (09:00 a.m. – 09:00 a.m.)

BJ METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 34.2
2.	Average Relative Humidity (%)	: 78.6
3.	Barometric Pressure (mm of Hg)	: 754.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Cloudy

CJ RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 56.89
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	: 93.14
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914-01	: 7.89
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607-91	: 35.0
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10) & ASTM D 3162-94	: 0.5
6.	Concentration of Pb (µg/m ³)	IS 5182 (Part 22) & ASTM D 4185-06	: <0.01
7.	Benzo (a) Pyrene (BaP) (ng/m ³)	IS 5182 (Part 12) 2004 & ASTM D 6209-98	: <0.36
8.	Benzene (C ₆ H ₆) (µg/m ³)	IS 5182 (Part 11) 2006 & ASTM D 5466-01	: <0.74
9.	Ozone (O ₃) (µg/m ³)	IS 5182 (Part-IX)	: <10.0
10.	Ammonia (NH ₃) (µg/m ³)	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015	: <0.15
11.	Nickel (Ni) (ng/m ³)	IS 5182 (Part-22) 2004 & ASTM D 4185-06	: <0.02
12.	Arsenic (As) (ng/m ³)	IS 5182 (Part 22) 2004 & ASTM D 4185-06	: <0.01

Date : 10.07.2014

Authorised Signatory :