

ANNEXURE - II

AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Foundry Cluster Development Association (F.C.D.A)
2.	Address	: Domjur, Amta Road, Howrah
3.	Date of sampling	: 30.03.2015 – 31.03.2015
4.	Report No.	: 60A/EC/M/March/TR(A)/I/14-15
5.	Analysis completed on	: 06.04.2015
6.	Reporting Date	: 08.04.2015
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)	: 33.0
2.	Average Relative Humidity (%)	: 72.0
3.	Barometric Pressure (mm of Hg)	: 756.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Clear sky

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	: 46.47
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	: 86.64
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914-01	: 10.46
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607-91	: 42.75
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10) & ASTM D 3162-94	: 1.58
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	: 0.73
8.	Benzene (C ₆ H ₆) (µg/m ³)	IS 5182 (Part 11) 2006 & ASTM D 5466-01	: 2.77
9.	Ozone (O ₃) (µg/m ³)	IS 5182 (Part-IX)	: 28.75
10.	Ammonia (NH ₃) (mg/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 : 08.04.2015
Authorised Signatory :


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7.	Particular of Plant	: Foundry Park

AJ GENERAL INFORMATION

1.	Location of Sampling	: Near WW # 1
2.	Duration of Sampling	: 24 hrs. (10:00 a.m. – 10:00 a.m.)

BJ METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 33.0
2.	Average Relative Humidity (%)	: 72.0
3.	Barometric Pressure (mm of Hg)	: 756.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Clear sky

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	: 54.60
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	: 97.82
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914-01	: 12.55
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607-91	: 41.77
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10) & ASTM D 3162-94	: 1.78
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	: 0.68
8.	Benzene (C ₆ H ₆) (µg/m ³)	IS 5182 (Part 11) 2006 & ASTM D 5466-01	: 3.12
9.	Ozone (O ₃) (µg/m ³)	IS 5182 (Part-IX)	: 23.67
10.	Ammonia (NH ₃) (mg/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

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6. Reporting Date	: 08.04.2015
7. Particular of Plant	: Foundry Park

AJ GENERAL INFORMATION

1. Location of Sampling	: Near WW # 2
2. Duration of Sampling	: 24 hrs. (11:00 a.m. – 11:00 a.m.)

BJ METEOROLOGICAL INFORMATION

1. Average Temperature (°C)	: 33.0
2. Average Relative Humidity (%)	: 72.0
3. Barometric Pressure (mm of Hg)	: 756.0
4. Smell or Odour	: No Remarkable Smell
5. Weather Condition	: Clear sky

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	: 51.96
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	: 87.12
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914-01	: 10.0
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607-91	: 38.50
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10) & ASTM D 3162-94	: 1.66
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	: 0.59
8.	Benzene (C ₆ H ₆) (µg/m ³)	IS 5182 (Part 11) 2006 & ASTM D 5466-01	: 2.43
9.	Ozone (O ₃) (µg/m ³)	IS 5182 (Part-IX)	: 33.82
10.	Ammonia (NH ₃) (mg/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

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