



ENVIROCHECK

LABORATORY ACCREDITED BY NABL



CERTIFICATE No.: T-1751

189 & 190, Rastraguru Avenue, Kol-700028, Ph : 2579-2889 /2891, 2549-7490, Fax : 2529-9141

E-mail : envcheck@cal2.vsnl.net.in, Website : www.envirocheck.org

ANNEXURE - II

AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Foundry Cluster Development Association (F.C.D.A)
2.	Address	: Domjur, Amta-Ranihati Road, Howrah
3.	Date of sampling	: 30.03.2016 – 31.03.2016
4.	Report No.	: 52/EC/March/TR(A)/I/15-16
5.	Analysis completed on	: 05.04.2016
6.	Reporting Date	: 06.04.2016
7.	Particular of Plant	: Foundry Park

A] GENERAL INFORMATION

1.	Location of Sampling	: Near Office
2.	Duration of Sampling	: 24 hrs. (09:30 a.m. – 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 28.0
2.	Average Relative Humidity (%)	: 72.0
3.	Barometric Pressure (mm of Hg)	: 759.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Sunny & Clear

C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 46.08
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	: 91.86
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914-01	: 4.53
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607-91	: 24.96
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10) & ASTM D 3162-94	: 0.65
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) (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 : 07.04.2016

Authorised Signatory :



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2.	Address	: Domjur, Amta-Ranihati Road, Howrah
3.	Date of sampling	: 30.03.2016 – 31.03.2016
4.	Report No.	: 52/EC/March/TR(A)/II/15-16
5.	Analysis completed on	: 05.04.2016
6.	Reporting Date	: 06.04.2016
7.	Particular of Plant	: Foundry Park

A] GENERAL INFORMATION

1.	Location of Sampling	: Near WW # 1
2.	Duration of Sampling	: 24 hrs. (09:45 a.m. – 09:45 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 28.0
2.	Average Relative Humidity (%)	: 72.0
3.	Barometric Pressure (mm of Hg)	: 759.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Sunny & Clear

C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 38.54
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	: 76.46
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914-01	: <4.0
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607-91	: 20.02
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10) & ASTM D 3162-94	: <0.1
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) (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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AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Foundry Cluster Development Association (F.C.D.A)
2.	Address	: Domjur, Amta-Ranihati Road, Howrah
3.	Date of sampling	: 30.03.2016 – 31.03.2016
4.	Report No.	: 52/EC/March/TR(A)/III/15-16
5.	Analysis completed on	: 05.04.2016
6.	Reporting Date	: 06.04.2016
7.	Particular of Plant	: Foundry Park

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 28.0
2.	Average Relative Humidity (%)	: 72.0
3.	Barometric Pressure (mm of Hg)	: 759.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Sunny & Clear

C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 36.17
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	: 73.81
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914-01	: <4.0
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607-91	: 15.0
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10) & ASTM D 3162-94	: <0.1
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) (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 : 06.04.2016

Authorised Signatory :