

<b>AMBIENT AIR ANALYSIS REPORT</b>
------------------------------------

1.	Name of the Industry	:	Foundry Cluster Development Association (F.C.D.A)
2.	Address	:	Domjur, Amta Road, Howrah
3.	Date of sampling	:	25.09.2017 – 26.09.2017
4.	Report No.	:	40/EC/Sep./TR(A)/I/17-18
5.	Analysis completed on	:	03.10.2017
6.	Reporting Date	:	10.10.2017
7.	Particular of Plant	:	Foundry Park

**A] GENERAL INFORMATION**

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

**B] METEOROLOGICAL INFORMATION**

1.	Average Temperature (°C)	:	32.0
2.	Average Relative Humidity (%)	:	82.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Clear sky & Occasionally Cloudy

**C] RESULTS**

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	USEPA 1997a, 40 CFR Part 50, Appendix L	46.21
2.	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 (PART 23) : 2006	76.26
3.	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	5.04
4.	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	24.97
5.	Concentration of CO (mg/m <sup>3</sup> )	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.23
6.	Concentration of Pb (µg/m <sup>3</sup> )	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP) (ng/m <sup>3</sup> )	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O <sub>3</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH <sub>3</sub> ) (µg/m <sup>3</sup> )	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> Ed 3114C : 2017	<0.01

**Date : 10.10.2017**
**Authorised Signatory :**




# ENVIROCHECK

Laboratory Recognised by Ministry of Environment, Forest & Climate Change (Govt. of India), WBPCB & OSPCB.  
 ISO 9001 : 2015, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory  
 189 & 190, Rastraguru Avenue, Kolkata - 700028, Ph : 033-2579-2889/2891, 2549-7490, Fax : 033-2529-9141  
 Email : envcheck@cal2.vsnl.net.in / info@envirocheck.org, Website : www.envirocheck.org

<b>AMBIENT AIR ANALYSIS REPORT</b>
------------------------------------

1.	Name of the Industry	: Foundry Cluster Development Association (F.C.D.A)
2.	Address	: Domjur, Amta Road, Howrah
3.	Date of sampling	: 25.09.2017 – 26.09.2017
4.	Report No.	: 40/EC/Sep./TR(A)/II/17-18
5.	Analysis completed on	: 03.10.2017
6.	Reporting Date	: 10.10.2017
7.	Particular of Plant	: Foundry Park

**A] GENERAL INFORMATION**

1.	Location of Sampling	: Near WW # I
2.	Duration of Sampling	: 24 hrs. (09:20 a.m. – 09:20 a.m.)

**B] METEOROLOGICAL INFORMATION**

1.	Average Temperature (°C)	: 32.0
2.	Average Relative Humidity (%)	: 82.0
3.	Barometric Pressure (mm of Hg)	: 755.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Clear sky & Occasionally Cloudy

**C] RESULTS**

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	USEPA 1997a, 40 CFR Part 50, Appendix L	: 36.31
2.	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 (PART 23) : 2006	: 68.35
3.	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: <4.0
4.	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: 20.02
5.	Concentration of CO (mg/m <sup>3</sup> )	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: <0.1
6.	Concentration of Pb (µg/m <sup>3</sup> )	IS 5182 (Part 22) 2004	: <0.01
7.	Benzo (a) Pyrene (BaP) (ng/m <sup>3</sup> )	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	: <0.36
8.	Benzene (C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: <0.74
9.	Ozone (O <sub>3</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part-IX) : 1974	: <10.0
10.	Ammonia (NH <sub>3</sub> ) (µg/m <sup>3</sup> )	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	: <4.18
11.	Nickel (Ni) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999	: <0.02
12.	Arsenic (As) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> Ed 3114C : 2017	: <0.01

Date : 10.10.2017

Authorised Signatory :



# ENVIROCHECK

Laboratory Recognised by Ministry of Environment, Forest & Climate Change (Govt. of India), WBPCB & OSPCCB.  
 ISO 9001 : 2015, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory  
 189 & 190, Rastraguru Avenue, Kolkata - 700028, Ph : 033-2579-2889/2891, 2549-7490, Fax : 033-2529-9141  
 Email : envcheck@cal2.vsnl.net.in / info@envirocheck.org, Website : www.envirocheck.org

<b>AMBIENT AIR ANALYSIS REPORT</b>
------------------------------------

1.	Name of the Industry	:	Foundry Cluster Development Association (F.C.D.A)
2.	Address	:	Domjur, Amta Road, Howrah
3.	Date of sampling	:	25.09.2017 – 26.09.2017
4.	Report No.	:	40/EC/Sep./TR(A)/III/17-18
5.	Analysis completed on	:	03.10.2017
6.	Reporting Date	:	10.10.2017
7.	Particular of Plant	:	Foundry Park

**A] GENERAL INFORMATION**

1.	Location of Sampling	:	Near WW # II
2.	Duration of Sampling	:	24 hrs. (09:40 a.m. – 09:40 a.m.)

**B] METEOROLOGICAL INFORMATION**

1.	Average Temperature (°C)	:	32.0
2.	Average Relative Humidity (%)	:	82.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Clear sky & Occasionally Cloudy

**C] RESULTS**

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	USEPA 1997a, 40 CFR Part 50, Appendix L	: 37.59
2.	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 (PART 23) : 2006	: 67.28
3.	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: <0.4
4.	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: 21.55
5.	Concentration of CO (mg/m <sup>3</sup> )	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: <0.1
6.	Concentration of Pb (µg/m <sup>3</sup> )	IS 5182 (Part 22) 2004	: <0.01
7.	Benzo (a) Pyrene (BaP) (ng/m <sup>3</sup> )	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	: <0.36
8.	Benzene (C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: <0.74
9.	Ozone (O <sub>3</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part-IX) : 1974	: <10.0
10.	Ammonia (NH <sub>3</sub> ) (µg/m <sup>3</sup> )	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	: <4.18
11.	Nickel (Ni) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999	: <0.02
12.	Arsenic (As) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> Ed 3114C : 2017	: <0.01

**Date : 10.10.2017****Authorised Signatory :**