

DRINKING WATER ANALYSIS REPORT

1.	Name of the Project	:	Foundry Cluster Development Association (F.C.D.A)
2.	Address	:	Domjur, Amta Road, Howrah
3.	Report No.	:	ENV/753/D/M(i)/15-16
4.	Date of sampling	:	31.03.2016
5.	Reporting date	:	06.04.2016
6.	Collection & Preservation of sample	:	APHA 22 nd Edition, 1060
7.	Type of sample	:	Drinking Water
8.	Location of sample	:	Office Tap

<u>PARAMETERS</u>			<u>RESULTS</u>	<u>LIMIT</u>
1.	Colour	:	1.0	25.0
2.	Odour	:	Odourless	Unobjectionable
3.	Taste	:	Acceptable	Agreeable
4.	pH	:	7.49	6.5 – 8.5***
5.	Total Hardness as CaCO ₃ (mg./l)	:	184.0	600.0
6.	Calcium as Ca (mg./l)	:	48.09	200.0
7.	Magnesium as Mg (mg./l)	:	15.36	100.0
8.	Chloride as Cl (mg./l)	:	44.35	1000.0
9.	Iron as Fe (mg./l)	:	0.59	1.0
10.	Arsenic (mg./l)	:	<0.01	0.05***
11.	Cadmium (mg./l)	:	<0.01	0.01***
12.	Chromium (mg./l)	:	<0.06	--
13.	Copper as Cu (mg./l)	:	<0.04	1.5
14.	Cyanide (mg./l)	:	<0.05	0.05
15.	Lead (mg./l)	:	<0.088	0.05***
16.	Mercury (mg./l)	:	<0.001	0.001***
17.	Nitrate as NO ₃ (mg./l)	:	7.50	100.0
18.	Total Dissolved Solid (mg/l)	:	529.0	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.1	0.002
20.	Turbidity (NTU)	:	<1.0	10.0
21.	Residual Free Chlorine (mg./l)	:	<0.004	0.2***
22.	Fluoride (mg./l)	:	<0.1	1.5
23.	Manganese (mg./l)	:	<0.1	0.3
24.	Alkalinity (mg./l)	:	180.0	600.0
25.	Total Coliform (CFU/100 ml.)	:	Absent	Shall not be detected in any 100 ml sample
26.	E.Coli (CFU/100 ml.)	:	Absent	Shall not be detected in any 100 ml sample

*CFU indicates Colony Forming Unit.

**<1 indicate No Colony developed in 1 ml. Sample., <10 indicate No Colony developed in 0.1 ml. Sample., <100 indicate No Colony developed in 0.01 ml. Sample. (N.B. : No colony developed in 1 ml, 0.1 ml and 0.01 ml sample indicate that bacteria is absent in water sample.)

***Desirable limit and permissible limit are same due to no relaxation for permissible limit as per IS 10500, 1991 (Revised)

Authorised Signatory :



DRINKING WATER ANALYSIS REPORT

1.	Name of the Project	:	Foundry Cluster Development Association (F.C.D.A)
2.	Address	:	Domjur, Amta Road, Howrah
3.	Report No.	:	ENV/753/D/M(ii)/15-16
4.	Date of sampling	:	31.03.2016
5.	Reporting date	:	06.04.2016
6.	Collection & Preservation of sample	:	APHA 22 nd Edition, 1060
7.	Type of sample	:	Drinking Water
8.	Location of sample	:	Tubewell inside the Factory

<u>PARAMETERS</u>			<u>RESULTS</u>	<u>LIMIT</u>
1.	Colour	:	1.0	25.0
2.	Odour	:	Odourless	Unobjectionable
3.	Taste	:	Acceptable	Agreeable
4.	pH	:	7.03	6.5 – 8.5***
5.	Total Hardness as CaCO ₃ (mg./l)	:	600.0	600.0
6.	Calcium as Ca (mg./l)	:	140.28	200.0
7.	Magnesium as Mg (mg./l)	:	60.0	100.0
8.	Chloride as Cl (mg./l)	:	819.60	1000.0
9.	Iron as Fe (mg./l)	:	0.93	1.0
10.	Arsenic (mg./l)	:	<0.01	0.05***
11.	Cadmium (mg./l)	:	<0.01	0.01***
12.	Chromium (mg./l)	:	<0.06	--
13.	Copper as Cu (mg./l)	:	<0.04	1.5
14.	Cyanide (mg./l)	:	<0.05	0.05
15.	Lead (mg./l)	:	<0.088	0.05***
16.	Mercury (mg./l)	:	<0.001	0.001***
17.	Nitrate as NO ₃ (mg./l)	:	10.0	100.0
18.	Total Dissolved Solid (mg/l)	:	2071.0	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.1	0.002
20.	Turbidity (NTU)	:	<1.0	10.0
21.	Residual Free Chlorine (mg./l)	:	<0.004	0.2***
22.	Fluoride (mg./l)	:	<0.1	1.5
23.	Manganese (mg./l)	:	<0.1	0.3
24.	Alkalinity (mg./l)	:	320.0	600.0
25.	Total Coliform (CFU/100 ml.)	:	Absent	Shall not be detected in any 100 ml sample
26.	E.Coli (CFU/100 ml.)	:	Absent	Shall not be detected in any 100 ml sample

*CFU indicates Colony Forming Unit.

**<1 indicate No Colony developed in 1 ml. Sample., <10 indicate No Colony developed in 0.1 ml. Sample., <100 indicate No Colony developed in 0.01 ml. Sample. (N.B. : No colony developed in 1 ml, 0.1 ml and 0.01 ml sample indicate that bacteria is absent in water sample.)

***Desirable limit and permissible limit are same due to no relaxation for permissible limit as per IS 10500, 1991 (Revised)

Authorised Signatory :

