

**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/343/D/M(i)/16-17
4.	Date of sampling	:	16.09.2016
5.	Reporting date	:	05.10.2016
6.	Collection & Preservation of sample	:	APHA 22 <sup>nd</sup> Edition, 1060
7.	Type of sample	:	Drinking Water
8.	Location of sample	:	From Tubewell

<u>PARAMETERS</u>			<u>RESULTS</u>	<u>LIMIT (IS : 10500-2012)</u>
1.	Colour	:	1.0	15.0
2.	Odour	:	Odourless	Unobjectionable
3.	Taste	:	Acceptable	Agreeable
4.	pH	:	7.34	6.5 – 8.5***
5.	Total Hardness as CaCO <sub>3</sub> (mg./l)	:	214.0	600.0
6.	Calcium as Ca (mg./l)	:	54.51	200.0
7.	Magnesium as Mg (mg./l)	:	18.95	100.0
8.	Chloride as Cl (mg./l)	:	50.15	1000.0
9.	Iron as Fe (mg./l)	:	0.80	0.3
10.	Arsenic (mg./l)	:	<0.01	0.05
11.	Cadmium (mg./l)	:	<0.01	0.003***
12.	Chromium (mg./l)	:	<0.06	0.05***
13.	Copper as Cu (mg./l)	:	<0.04	1.5
14.	Cyanide (mg./l)	:	<0.05	0.05***
15.	Lead (mg./l)	:	<0.088	0.01***
16.	Mercury (mg./l)	:	<0.001	0.001***
17.	Nitrate as NO <sub>3</sub> (mg./l)	:	<0.01	45.0***
18.	Total Dissolved Solid (mg/l)	:	539.0	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.1	0.002
20.	Turbidity (NTU)	:	1.20	5.0
21.	Residual Free Chlorine (mg./l)	:	<0.004	1.0
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.

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

Authorised Signatory:



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1.	Name of the Project	:	Foundry Cluster Development Association (F.C.D.A)
2.	Address	:	Domjur, Amta Road, Howrah
3.	Report No.	:	ENV/343/D/M(ii)/16-17
4.	Date of sampling	:	16.09.2016
5.	Reporting date	:	05.10.2016
6.	Collection & Preservation of sample	:	APHA 22 <sup>nd</sup> Edition, 1060
7.	Type of sample	:	Drinking Water
8.	Location of sample	:	From Canteen Tap

<u>PARAMETERS</u>			<u>RESULTS</u>	<u>LIMIT (IS : 10500-2012)</u>
1.	Colour	:	1.0	15.0
2.	Odour	:	Odourless	Unobjectionable
3.	Taste	:	Acceptable	Agreeable
4.	pH	:	7.28	6.5 – 8.5***
5.	Total Hardness as CaCO <sub>3</sub> (mg./l)	:	200.0	600.0
6.	Calcium as Ca (mg./l)	:	51.50	200.0
7.	Magnesium as Mg (mg./l)	:	15.0	100.0
8.	Chloride as Cl (mg./l)	:	45.0	1000.0
9.	Iron as Fe (mg./l)	:	0.72	0.3
10.	Arsenic (mg./l)	:	<0.01	0.05
11.	Cadmium (mg./l)	:	<0.01	0.003***
12.	Chromium (mg./l)	:	<0.06	0.05***
13.	Copper as Cu (mg./l)	:	<0.04	1.5
14.	Cyanide (mg./l)	:	<0.05	0.05***
15.	Lead (mg./l)	:	<0.088	0.01***
16.	Mercury (mg./l)	:	<0.001	0.001***
17.	Nitrate as NO <sub>3</sub> (mg./l)	:	<0.01	45.0***
18.	Total Dissolved Solid (mg/l)	:	518.0	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.1	0.002
20.	Turbidity (NTU)	:	1.10	5.0
21.	Residual Free Chlorine (mg./l)	:	<0.004	1.0
22.	Fluoride (mg./l)	:	<0.1	1.5
23.	Manganese (mg./l)	:	<0.1	0.3
24.	Alkalinity (mg./l)	:	160.0	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.

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