

DRINKING WATER ANALYSIS REPORT

ANNEXURE - 3

1.	Name of the Project	:	Foundry Cluster Development Association (F.C.D.A)
2.	Address	:	Domjur, Amta Road, Howrah
3.	Report No.	:	ENV/518/W/M(i)/17-18
4.	Date of sampling	:	25.09.2017
5.	Reporting date	:	10.10.2017
6.	Collection & Preservation of sample	:	APHA 23 rd Edition, 1060 : 2017
7.	Type of sample	:	Drinking Water
8.	Location of sample	:	From Tubewell Inside Park

<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	:	8.08	6.5 – 8.5***
5.	Total Hardness as CaCO ₃ (mg./l)	:	200.0	600.0
6.	Calcium as Ca (mg./l)	:	44.8	200.0
7.	Magnesium as Mg (mg./l)	:	21.12	100.0
8.	Chloride as Cl (mg./l)	:	55.73	1000.0
9.	Iron as Fe (mg./l)	:	0.90	0.3
10.	Arsenic (mg./l)	:	<0.1	0.05
11.	Cadmium (mg./l)	:	<0.002	0.003***
12.	Chromium (mg./l)	:	<0.02	0.05***
13.	Copper as Cu (mg./l)	:	<0.04	1.5
14.	Cyanide (mg./l)	:	<0.05	0.05***
15.	Lead (mg./l)	:	<0.005	0.01***
16.	Mercury (mg./l)	:	<0.001	0.001***
17.	Nitrate as NO ₃ (mg./l)	:	6.50	45.0***
18.	Total Dissolved Solid (mg/l)	:	452.0	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.001	0.002
20.	Turbidity (NTU)	:	1.12	5.0
21.	Residual Free Chlorine (mg./l)	:	<0.04	1.0
22.	Fluoride (mg./l)	:	<0.1	1.5
23.	Manganese (mg./l)	:	<0.05	0.3
24.	Alkalinity (mg./l)	:	336.0	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, 2012 (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/518/W/M(ii)/17-18
4.	Date of sampling	:	25.09.2017
5.	Reporting date	:	10.10.2017
6.	Collection & Preservation of sample	:	APHA 23 rd Edition, 1060 : 2017
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	:	8.07	6.5 – 8.5***
5.	Total Hardness as CaCO ₃ (mg./l)	:	192.0	600.0
6.	Calcium as Ca (mg./l)	:	43.5	200.0
7.	Magnesium as Mg (mg./l)	:	20.16	100.0
8.	Chloride as Cl (mg./l)	:	57.58	1000.0
9.	Iron as Fe (mg./l)	:	0.80	0.3
10.	Arsenic (mg./l)	:	<0.1	0.05
11.	Cadmium (mg./l)	:	<0.002	0.003***
12.	Chromium (mg./l)	:	<0.02	0.05***
13.	Copper as Cu (mg./l)	:	<0.04	1.5
14.	Cyanide (mg./l)	:	<0.05	0.05***
15.	Lead (mg./l)	:	<0.005	0.01***
16.	Mercury (mg./l)	:	<0.001	0.001***
17.	Nitrate as NO ₃ (mg./l)	:	4.50	45.0***
18.	Total Dissolved Solid (mg/l)	:	456.0	2000.0
19.	Phenolic Compounds as Phenol (mg./l)	:	<0.001	0.002
20.	Turbidity (NTU)	:	1.10	5.0
21.	Residual Free Chlorine (mg./l)	:	<0.04	1.0
22.	Fluoride (mg./l)	:	<0.1	1.5
23.	Manganese (mg./l)	:	<0.05	0.3
24.	Alkalinity (mg./l)	:	340.0	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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