

**GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER
SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR
TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156**

**WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS
OF NEW TOWN KOLKATA PROJECT, DURING MONTH
NOVEMBER' 2019**

ACTION AREA – I
(NOVEMBER' 2019)

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 06.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				OUTLET OF O.H.R.	NBCC	CE/1/C/139	CE - 74	CE /1/A/97
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.29	7.34	7.35	7.36
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.6	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.4	132.3	131.7	132.3	131.2
4	Turbidity (NTU)	1.00	5.00	1.81	2.05	2.02	1.84	1.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.15	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	127.68	123.42	123.42	127.68	123.42
8	Total Alkalinity (mg/L)	200.00	600.00	105.04	101.0	105.04	105.04	101.0
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36	17.36	17.36
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.

O.H.R. – OVER HEAD RESERVOIR, N.F. – NOT FOUND

Sd/-
Chemist & Bacteriologist
Central Water Testing Laboratory
NTKD – I, P.H.E. Dte.

GOVERNMENT OF WEST BENGAL
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – III
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 06.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - III					
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AI- 16	AL/1/C/40	AI/153/18
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.04	7.11	7.13	7.19	7.21	7.23
2	Temperature(degree C)	----	----	25.9	26.4	26.7	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.0	133.1	132.7	132.1	132.5	133.5
4	Turbidity, (NTU)	1.00	5.00	1.82	2.01	2.05	1.90	1.83	1.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.35	0.2	0.2	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	127.68	127.68	123.42	123.42	127.68	127.68
8	Total Alkalinity, (mg/L)	200.00	600.00	105.04	101.0	105.04	101.0	101.0	105.04
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36	17.36	17.36	17.36
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE - IV

Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 07.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - IV				
				OUTLET OF O.H.R.	Senior Citizen Park	BE - 17	BB - 50	BC - 105
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.13	7.18	7.22	7.23	7.25
2	Temperature(degree C)	----	----	25.9	26.2	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.8	133.0	133.2	133.2	132.3
4	Turbidity (NTU)	1.00	5.00	0.81	1.69	2.05	1.63	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.2	0.1	0.15	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	123.42	127.68	127.68	127.68	127.68
8	Total Alkalinity (mg/L)	200.00	600.00	101.0	101.0	105.04	105.04	101.0
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – V

Sub. : Water Testing (Physico-Chemical, Chemical & Bacteriological)

Date of Testing: 07.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				OUTLET OF O.H.R.	CC-201	CD-125	CB-08	CA-81
Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.31	7.34	7.34	7.35
2	Temperature(degree C)	----	----	26.2	26.4	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.4	132.4	132.5	132.4	132.3
4	Turbidity (NTU)	1.00	5.00	1.42	2.00	2.07	1.64	2.06
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.15	0.1	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	123.42	123.42	123.42	123.42	123.42
8	Total Alkalinity (mg/L)	200.00	600.00	101.0	101.0	105.04	105.04	101.0
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 08.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				ZONE - X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD 4D
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.27	7.37
2	Temperature(degree C)	----	----	25.5	25.5	25.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	133.0	132.9	133.1
4	Turbidity, (NTU)	1.00	5.00	1.20	0.95	1.52
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	123.42	119.17	123.42
8	Total Alkalinity, (mg/L)	200.00	600.00	101	96.96	101
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36
Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.

O.H.R. – OVER HEAD RESERVOIR, N.F-NOT FOUND

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – IX
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 08.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				ZONE - IX		
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.31	7.34
2	Temperature(degree C)	----	----	25.4	25.4	25.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	133.4	132.9	133.1
4	Turbidity, (NTU)	1.00	5.00	1.43	1.29	1.63
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.35	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	123.42	119.17	123.42
8	Total Alkalinity, (mg/L)	200.00	600.00	101	101	101
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.

O.H.R. – OVER HEAD RESERVOIR, N.F. – NOT FOUND

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

Sub. : Water Testing (Physico-chemical ,Chemical & Bacteriological)

Date of Testing: 11.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AC - 50	AD - 26	AC - 107	AA - 03
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.36	7.34	7.39	7.39	7.42
2	Temperature(degree C)	----	----	25.1	25.4	25.5	25.4	25.6	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.4	133.8	134.1	133.3	133.9	133.2
4	Turbidity (NTU)	1.00	5.00	0.75	1.04	1.38	1.15	1.13	0.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.45	0.2	0.2	0.15	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	119.17	123.42	123.42	119.17	123.42	123.42
8	Total Alkalinity (mg/L)	200.00	600.00	101	101	101	101	101	101
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36	17.36	17.36	17.36
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

Sub. : **Water Testing (Physico-chemical, Chemical & Bacteriological)**

Date of Testing: 11.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINOUS	BA-120	AB-13	AB - 72
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.48	7.45	7.43	7.45	7.47
2	Temperature(degree C)	----	----	25.1	25.2	25.0	24.9	24.9	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.8	133.4	133.7	133.7	133.5	133.3
4	Turbidity (NTU)	1.00	5.00	1.00	1.79	1.19	0.78	1.28	1.07
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.3	0.2	0.15	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	119.17	123.42	123.42	123.42	123.42	119.17
8	Total Alkalinity (mg/L)	200.00	600.00	96.96	101	101	101	101	101
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36	17.36	17.36	17.36
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

O.H.R. - OVER HEAD RESERVOIR, N.F- NOT FOUND

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 19.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				OUTLET OF O.H.R.	NBCC	CE/1/A/97	CE-74	CE-197
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.47	7.51	7.52	7.53
2	Temperature(degree C)	----	----	26.5	27.3	27.3	26.7	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	145.5	146.5	146.9	146.0	146.2
4	Turbidity (NTU)	1.00	5.00	0.51	0.82	0.41	0.82	0.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.2	0.2	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	126.48	126.48	130.56	126.48	130.56
8	Total Alkalinity (mg/L)	200.00	600.00	127.1	123	127.1	123	123

O.H.R. - OVER HEAD RESERVOIR,

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – III

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 19.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - III					
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AL/1/C/4	AL/1/C/40	AI - 153/18
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.38	7.37	7.37	7.37	7.43
2	Temperature(degree C)	----	----	26.6	26.5	26.6	26.5	26.8	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	146.9	136.6	145.7	145.6	145.8	146.4
4	Turbidity, (NTU)	1.00	5.00	0.77	0.48	0.65	0.48	0.57	0.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.3	0.2	0.15	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	130.56	126.48	130.56	130.56	130.56	130.56
8	Total Alkalinity, (mg/L)	200.00	600.00	127.1	123	127.1	127.1	127.1	123

O.H.R. – OVER HEAD RESERVOIR,

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 25.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF - 94	HIDCO Admin. Building	DA - 88
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.43	7.44	7.47	7.41	7.45
2	Temperature(degree C)	----	----	25.7	25.9	26.1	25.7	25.5	25.8
3	Total Dissolved Solid.	500.00	2000.00	156.1	155.4	155.3	154.7	155.0	155.3
4	Turbidity, (NTU)	1.00	5.00	0.87	1.62	1.64	1.13	1.24	1.07
5	Residual Free Chlorine	0.20	1.00	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	142.8	138.72	142.8	138.72	138.72	142.8
8	Total Alkalinity, (mg/L)	200.00	600.00	127.1	127.1	127.1	127.1	127.1	127.1

O.H.R. – OVER HEAD RESERVOIR

Sd/-
Chemist
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NTKD - I P.H.E. Dte.

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I. ZONE – VIII

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 25.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DA-136	DC-23	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.55	7.51	7.50	7.50	7.48
2	Temperature(degree C)	----	----	25.7	25.7	25.7	25.5	25.4	25.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	155.2	154.6	154.7	155.5	154.4	154.2
4	Turbidity (NTU)	1.00	5.00	1.56	0.96	1.03	0.64	1.68	1.05
5	Residual Free Chlorine(mg/L)	0.20	1.00	1.5	0.3	0.1	0.1	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	142.8	142.8	142.8	142.8	138.72	138.72
8	Total Alkalinity. (mg/L)	200.00	600.00	127.1	131.2	131.2	131.2	131.2	131.2

O.H.R. – OVER HEAD RESERVOIR

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 27.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 26	AC - 50	AC - 107	AA - 05
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.37	7.43	7.40	7.44	7.43
2	Temperature(degree C)	----	----	25.8	26.0	25.8	25.7	25.9	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.4	157.8	157.4	157.7	157.3	157.9
4	Turbidity (NTU)	1.00	5.00	0.92	0.72	0.68	0.77	0.84	1.12
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.35	0.2	0.2	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	146.88	146.88	146.88	146.88	142.80	146.88
8	Total Alkalinity (mg/L)	200.00	600.00	135.30	135.30	135.30	139.40	135.30	139.40

O.H.R. - OVER HEAD RESERVOIR,

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 27.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	New Town Bus Terminus	BA - 120	AB - 13	AB - 72
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.41	7.42	7.43	7.42	7.44
2	Temperature(degree C)	----	----	26.0	26.0	25.9	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.3	157.3	157.5	157.5	157.5	157.5
4	Turbidity (NTU)	1.00	5.00	1.09	1.45	0.65	0.87	0.95	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.2	0.2	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	142.80	142.80	146.88	146.88	146.88	146.88
8	Total Alkalinity (mg/L)	200.00	600.00	135.30	135.30	139.40	135.30	135.3	139.40

O.H.R. - OVER HEAD RESERVOIR,

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 ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 28.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				ZONE - X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.71	7.71
2	Temperature(degree C)	----	----	26.1	26.2	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	156.8	157.2	156.7
4	Turbidity, (NTU)	1.00	5.00	1.19	1.33	1.66
5	Residual Free Chlorine(mg/L)	0.20	1.00	<0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	142.80	142.80	138.72
8	Total Alkalinity, (mg/L)	200.00	600.00	139.40	143.50	139.40

O.H.R. – OVER HEAD RESERVOIR

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – IX

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 28.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.74	7.87	7.87
2	Temperature(degree C)	----	----	26.1	26.1	26.0	26.0
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	156.4	156.9	157.3	157.2
4	Turbidity, (NTU)	1.00	5.00	1.15	1.53	1.52	1.46
5	Residual Free Chlorine(mg/L)	0.20	1.00	<0.1	0.3	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	138.72	142.80	142.80	142.80
8	Total Alkalinity, (mg/L)	200.00	600.00	139.40	143.50	143.50	143.50

O.H.R. - OVER HEAD RESERVOIR

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GOVERNMENT OF WEST BENGAL
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 ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

Sub. : Water Testing (Physico-chemical, Chemical)

Date of Testing: 29.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	Senior Citizen Park	BE - 17	BB - 50	BC - 105
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.78	7.70	7.77	7.75	7.74
2	Temperature(degree C)	----	----	25.9	25.9	25.9	25.7	25.9	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.2	157.5	158.0	157.4	157.5	157.3
4	Turbidity (NTU)	1.00	5.00	1.49	1.60	1.26	1.13	1.41	1.39
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.2	0.1	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	150.96	150.96	150.96	150.96	150.96	150.96
8	Total Alkalinity (mg/L)	200.00	600.00	135.30	135.30	139.40	139.40	139.40	135.30

O.H.R. - OVER HEAD RESERVOIR

Sd/
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GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – V

Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 29.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				OUTLET OF O.H.R.	CC-201	CA - 28	CB-08	CA-81
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.82	7.80	7.82	7.80
2	Temperature(degree C)	----	----	25.7	25.7	25.8	25.8	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.8	157.3	157.5	157.5	157.1
4	Turbidity (NTU)	1.00	5.00	1.36	1.29	1.60	1.47	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.15	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	146.88	150.96	150.96	150.96	146.88
8	Total Alkalinity (mg/L)	200.00	600.00	135.30	139.40	139.40	139.40	135.30

O.H.R. - OVER HEAD RESERVOIR,

Sd/-
Chemist
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ACTION AREA – II
(NOVEMBER' 2019)

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II C, ZONE – I
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 01.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	STARL IT COMPLEX	HILAND WOODS	MOON BEAM	NKDA MKT
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.36	7.39	7.41	7.42	7.43	7.44
2	Temperature (degree C)	----	----	26.6	26.6	26.7	26.6	26.7	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.0	132.5	132.3	132.0	131.9	131.8	131.9
4	Turbidity (NTU)	1.00	5.00	1.42	1.55	1.69	1.60	1.61	1.49	1.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.3	0.25	0.35	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	119.17	119.17	119.17	119.17	119.17	119.17	119.17
8	Total Alkalinity (mg/L)	200.00	600.00	101.0	101.0	101.0	96.96	96.96	96.96	96.96
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.50	13.50	13.50	13.50	13.50	13.50	13.50
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F

N.F- NOT FOUND, O.H.R. – OVER HEAD RESERVOIR

Sd/-
Chemist & Bacteriologist
Central Water Testing Laboratory
NTKD - I P.H.E. Dte.

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – IID, ZONE – V
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 01.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IID, ZONE - V		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.39	7.39
2	Temperature (degree C)	----	----	26.6	26.7	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.0	132.0	132.3
4	Turbidity (NTU)	1.00	5.00	1.80	1.37	1.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.35	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	119.17	119.17	119.17
8	Total Alkalinity (mg/L)	200.00	600.00	96.96	96.96	101.0
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.50	13.50	13.50
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F

O.H.R. – OVER HEAD RESERVOIR, N.F-NOT FOUND

Sd/-
Chemist & Bacteriologist
Central Water Testing Laboratory
NTKD - I P.H.E. Dte.

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II D, ZONE – VI
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 01.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.44	7.39	7.39
2	Temperature (degree C)	----	----	26.8	26.6	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.1	132.2	132.2	132.2
4	Turbidity (NTU)	1.00	5.00	1.16	1.68	1.53	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.7	0.55	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	119.17	119.17	119.17	119.17
8	Total Alkalinity (mg/L)	200.00	600.00	101.0	101.0	101.0	101.0
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.50	13.50	13.50	13.50
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F

O.H.R. – OVER HEAD RESERVOIR, N.F. – NOT FOUND

Sd/-
Chemist & Bacteriologist
Central Water Testing Laboratory
NTKD - I P.H.E. Dte.

GOVERNMENT OF WEST BENGAL
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 ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – IIG, ZONE – XI

Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 08.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE - XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.37	7.40
2	Temperature (degree C)	----	----	25.5	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.4	132.3	131.8
4	Turbidity (NTU)	1.00	5.00	1.72	1.38	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	119.17	119.17	119.17
8	Total Alkalinity (mg/L)	200.00	600.00	101	96.96	96.96
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.

O.H.R. – OVER HEAD RESERVOIR, N.F. -NOT FOUND

Sd/-
 Chemist & Bacteriologist
 Central Water Testing Laboratory
 NTKD - I P.H.E. Dte.

GOVERNMENT OF WEST BENGAL
 DIRECTORATE OF PUBLIC HEALTH ENGINEERING
 OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
 ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II A, ZONE – X

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 15.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.40	7.41
2	Temperature (degree C)	----	----	25.6	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.2	138.6	138.4
4	Turbidity (NTU)	1.00	5.00	0.73	0.57	0.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	139.4	135.3	135.3
8	Total Alkalinity (mg/L)	200.00	600.00	118.9	114.8	114.8

O.H.R. – OVER HEAD RESERVOIR,

Sd/-
 Chemist
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II B, ZONE – IV

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 15.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIB, ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.29	7.19	7.24	7.22	7.23	7.28
2	Temperature (degree C)	----	----	25.5	25.6	25.7	25.6	25.5	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.3	138.5	139.2	138.4	139.1	138.3	138.3
4	Turbidity (NTU)	1.00	5.00	0.86	0.53	0.66	0.97	1.08	1.10	4.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.25	0.1	0.15	0.2	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	139.4	135.3	139.4	135.3	139.4	135.3	135.3
8	Total Alkalinity (mg/L)	200.00	600.00	114.8	114.8	118.9	118.9	118.9	114.8	114.8

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II C, ZONE – I

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 22.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	STAR LIT COMPLEX	HILAND WOODS	MOON BEAM	NKDA Mkt.
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.43	7.45	7.46	7.48	7.48	7.51
2	Temperature (degree C)	----	----	25.6	25.9	25.9	25.9	26.0	25.9	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	151.0	150.9	150.2	149.9	149.9	149.7	149.0
4	Turbidity (NTU)	1.00	5.00	2.31	1.84	1.98	1.47	1.56	1.82	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.25	0.15	0.1	0.15	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	150.96	155.04	155.04	155.04	155.04	155.04	150.96
8	Total Alkalinity (mg/L)	200.00	600.00	118.9	123	123	118.9	118.9	123	118.9

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 ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II D. ZONE – V

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 22.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.49	7.47	7.46
2	Temperature (degree C)	----	----	25.6	25.7	25.7	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	149.7	149.9	150.0	149.9
4	Turbidity (NTU)	1.00	5.00	1.97	1.56	1.75	2.08
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.15	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	150.96	150.96	155.04	155.04
8	Total Alkalinity (mg/L)	200.00	600.00	118.9	118.9	123	118.9

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II D, ZONE – VI

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 22.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREEN WOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.48	7.48	7.45
2	Temperature (degree C)	----	----	25.4	25.6	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	151.0	149.7	149.7	150.0
4	Turbidity (NTU)	1.00	5.00	2.39	1.60	1.62	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.3	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	150.96	150.96	150.96	150.96
8	Total Alkalinity (mg/L)	200.00	600.00	118.9	118.9	118.9	118.9

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – IIG, ZONE – XI

Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 28.11.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE – XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.80	7.78
2	Temperature (degree C)	----	----	26.2	25.9	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.8	156.9	157.2
4	Turbidity (NTU)	1.00	5.00	1.38	1.64	1.74
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	142.80	142.80	142.80
8	Total Alkalinity (mg/L)	200.00	600.00	139.40	139.40	143.50

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