

**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
AUGUST' 2019**

ACTION AREA – I
(AUGUST' 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)

Date of Testing: 01.08.19

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					
				INLET OF O.H.R.	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	7.49	7.55	7.57	7.55	7.62	7.76
2	Temperature(degree C)	----	----	25.8	25.9	26.2	26.3	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	120.6	120.9	121.2	121.5	120.7	122.7
4	Turbidity (NTU)	1.00	5.00	0.62	0.97	0.93	0.86	1.36	1.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.3	0.25	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	106.91	106.91	111.02	111.02	106.91	111.02
8	Total Alkalinity (mg/L)	200.00	600.00	71.68	71.68	71.68	71.68	66.56	76.8

O.H.R. – OVER HEAD RESERVOIR,

Sd/-
 Chemist
 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 – I, ZONE – III

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

Date of Testing: 01.08.19

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/B/32	AL/1/C/40	AL/153/18
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.90	7.83	7.55	7.53	7.57
2	Temperature(degree C)	----	----	25.9	25.9	26.2	26.3	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	120.4	120.5	121.2	121.6	123.3	123.3
4	Turbidity, (NTU)	1.00	5.00	0.68	0.64	0.83	0.98	1.47	1.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.2	0.4	0.35	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	106.91	106.91	111.02	111.02	111.02	111.02
8	Total Alkalinity, (mg/L)	200.00	600.00	66.56	66.56	71.68	71.68	76.8	76.8

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 – V

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

Date of Testing: 02.08.19

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					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CB-08	CA-81
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.52	7.56	7.55	7.58	7.63
2	Temperature(degree C)	----	----	25.4	25.3	25.4	25.5	25.4	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	119.5	120.6	120.9	121.0	120.8	121.0
4	Turbidity (NTU)	1.00	5.00	1.45	1.70	1.18	1.34	1.22	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	<0.1	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	102.8	102.8	102.8	106.91	102.8	106.91
8	Total Alkalinity (mg/L)	200.00	600.00	66.56	66.56	71.68	71.68	71.68	71.68

O.H.R. – OVER HEAD RESERVOIR,

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 02.08.19

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	DC - 159
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.52	7.60	7.59	7.56	7.51	7.49
2	Temperature(degree C)	----	----	25.6	25.6	25.5	25.4	25.3	25.3
3	Total Dissolved Solid.	500.00	2000.00	120.9	121.0	121.0	121.4	120.8	120.7
4	Turbidity, (NTU)	1.00	5.00	1.43	1.56	1.80	2.04	1.60	1.73
5	Residual Free Chlorine	0.20	1.00	0.2	0.35	0.25	0.1	<0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	102.80	102.80	106.91	106.91	102.80	106.91
8	Total Alkalinity, (mg/L)	200.00	600.00	66.56	71.68	71.68	76.80	71.68	66.56

O.H.R. – OVER HEAD RESERVOIR,

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 05.08.19

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	AA - 03	AC – 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.60	7.64	7.63	7.60	7.65
2	Temperature(degree C)	----	----	25.8	25.5	25.4	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	122.6	123.7	123.5	122.9	123.0	122.4
4	Turbidity (NTU)	1.00	5.00	1.00	1.03	1.21	0.99	1.29	1.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.45	0.2	0.25	0.25	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	111.02	115.14	115.14	115.14	111.02	111.02
8	Total Alkalinity (mg/L)	200.00	600.00	76.8	76.8	81.92	76.8	76.8	76.8

O.H.R. – OVER HEAD RESERVOIR,

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I. ZONE – VIII

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

Date of Testing: 05.08.19

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	7.66	7.73	7.71	7.66	7.70	7.69
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.1	26.0	25.9
3	Total Dissolved Solid(mg/L)	500.00	2000.00	122.3	122.4	122.7	122.2	122.7	122.2
4	Turbidity (NTU)	1.00	5.00	1.12	1.29	1.12	1.35	1.18	1.17
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.7	0.3	0.1	<0.1	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	111.02	111.02	111.02	111.02	111.02	111.02
8	Total Alkalinity. (mg/L)	200.00	600.00	76.8	76.8	76.8	71.68	76.8	71.68

O.H.R. – OVER HEAD RESERVOIR

Sd/
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 09.08.19

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	7.30	7.35	7.66
2	Temperature(degree C)	----	----	24.2	24.4	24.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	124.9	127.3	125.8
4	Turbidity, (NTU)	1.00	5.00	1.31	1.36	1.90
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.35	0.45	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	102.74	102.74	106.85
8	Total Alkalinity, (mg/L)	200.00	600.00	81.92	87.04	81.92

O.H.R. – OVER HEAD RESERVOIR

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 09.08.19

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	7.44	7.43	7.45
2	Temperature (degree C)	----	----	24.4	24.2	24.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	125.8	125.8	125.4
4	Turbidity, (NTU)	1.00	5.00	1.24	1.32	2.01
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	106.85	106.85	102.74
8	Total Alkalinity, (mg/L)	200.00	600.00	81.92	81.92	81.92

O.H.R. – OVER HEAD RESERVOIR

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 22.08.19

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					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE/1/A/97	CE - 197	CE - 74
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.62	7.64	7.69	7.71	7.66
2	Temperature(degree C)	----	----	24.7	25.0	25.1	25.1	25.4	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.6	130.2	130.8	129.3	128.3	130.0
4	Turbidity (NTU)	1.00	5.00	2.08	1.55	1.99	1.74	1.21	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.35	0.20	0.15	0.25	<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	109.46	113.51	113.51	109.46	109.46	109.46
8	Total Alkalinity (mg/L)	200.00	600.00	101.6	101.6	106.68	101.6	101.6	101.6
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	15.31	15.31	15.31	15.31	15.31	15.31
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

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

GOVERNMENT OF WEST BENGAL
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 22.08.19

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	7.38	7.57	7.53	7.55	7.58	7.63
2	Temperature(degree C)	----	----	25.1	25.4	25.2	25.2	24.9	24.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.1	130.7	131.1	130.8	130.7	130.3
4	Turbidity, (NTU)	1.00	5.00	1.36	1.45	1.63	1.07	1.65	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.35	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	109.46	109.46	109.46	109.46	109.46	109.46
8	Total Alkalinity, (mg/L)	200.00	600.00	101.6	101.6	101.6	106.68	106.68	101.6
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	15.31	15.31	15.31	15.31	15.31	15.31
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

Sd/-
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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: 27.08.19

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	7.45	7.52	7.52	7.61	7.59
2	Temperature(degree C)	----	----	25.1	25.1	25.0	25.0	24.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.6	135.4	135.0	134.6	135.0
4	Turbidity (NTU)	1.00	5.00	1.42	1.35	1.46	2.07	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	<0.1	0.15	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	121.62	121.62	121.62	121.62	121.62
8	Total Alkalinity (mg/L)	200.00	600.00	106.68	101.60	106.68	101.60	106.68
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	15.31	15.31	15.31	15.31	15.31
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 27.08.19

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	7.42	7.52	7.53	7.53	7.52	7.52
2	Temperature(degree C)	----	----	24.9	25.0	25.0	25.0	25.0	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.9	133.8	134.1	133.6	134.1	133.8
4	Turbidity (NTU)	1.00	5.00	1.52	1.57	1.38	2.07	1.72	2.05
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.25	0.2	0.15	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	121.62	121.62	125.67	121.62	125.67	121.62
8	Total Alkalinity (mg/L)	200.00	600.00	101.6	101.6	106.68	101.6	101.6	101.6
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	15.31	15.31	15.31	15.31	15.31	15.31
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

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: ACTION AREA -I, ZONE - IV

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

Date of Testing: 30.08.19

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	BC - 17	BB - 50	BC - 105
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.47	7.50	7.45	7.51	7.53
2	Temperature(degree C)	----	----	25.8	25.7	25.5	25.4	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.6	134.7	134.9	135.3	134.7	134.8
4	Turbidity (NTU)	1.00	5.00	0.98	1.68	0.99	1.52	1.14	0.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.4	0.5	<0.1	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	109.46	105.40	109.46	109.46	105.40	109.46
8	Total Alkalinity (mg/L)	200.00	600.00	106.68	101.60	106.68	106.68	101.60	101.60
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	17.23	17.23	17.23	17.23	17.23	17.23
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	27	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. - NOT FOUND

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 - II

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

Date of Testing: 30.08.19

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	7.29	7.52	7.53	7.53	7.52	7.52
2	Temperature(degree C)	----	----	25.8	26.0	25.8	25.7	26.0	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.2	134.4	134.7	134.4	134.8	134.7
4	Turbidity (NTU)	1.00	5.00	0.92	1.55	1.43	1.34	1.39	1.62
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.3	0.25	0.1	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	109.46	105.40	105.40	109.46	109.46	105.40
8	Total Alkalinity (mg/L)	200.00	600.00	106.68	101.60	101.60	106.68	101.60	101.60
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	17.23	17.23	17.23	17.23	17.23	17.23
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

Sd/-
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ACTION AREA – II
(AUGUST' 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)

Date of Testing: 06.08.19

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	7.54	7.76	7.60	7.73	7.68	7.65	7.77
2	Temperature (degree C)	----	----	26.3	26.3	26.2	26.2	26.1	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	122.3	122.4	123.6	122.3	123.0	122.4	122.6
4	Turbidity (NTU)	1.00	5.00	1.97	1.29	1.32	1.51	1.61	1.37	1.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.35	0.25	0.35	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	106.91	106.91	111.02	106.91	111.02	106.91	106.91
8	Total Alkalinity (mg/L)	200.00	600.00	76.8	76.8	81.92	76.8	81.92	76.8	76.8

O.H.R. – OVER HEAD RESERVOIR

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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: AA – II D, ZONE – V

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

Date of Testing: 06.08.19

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	7.52	7.65	7.63	7.63
2	Temperature (degree C)	----	----	26.0	25.8	25.8	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	122.2	123.0	123.4	122.8
4	Turbidity (NTU)	1.00	5.00	1.53	1.95	1.74	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.5	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	106.91	106.91	111.02	106.91
8	Total Alkalinity (mg/L)	200.00	600.00	76.8	81.92	76.8	76.8

O.H.R. – OVER HEAD RESERVOIR,

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GOVERNMENT OF WEST BENGAL
 DIRECTORATE OF PUBLIC HEALTH ENGINEERING
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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 – VI

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

Date of Testing: 06.08.19

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	7.01	7.46	7.48	7.51
2	Temperature (degree C)	----	----	26.0	25.8	25.9	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.3	123.6	123.1	123.0
4	Turbidity (NTU)	1.00	5.00	1.67	1.51	1.38	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.5	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	111.02	111.02	111.02	111.02
8	Total Alkalinity (mg/L)	200.00	600.00	87.04	81.92	81.92	76.8

O.H.R. – OVER HEAD RESERVOIR

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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: AA – IIG, ZONE – XI

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

Date of Testing: 09.08.19

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	7.36	7.44	7.48
2	Temperature (degree C)	----	----	24.3	24.4	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.6	125.1	125.1
4	Turbidity (NTU)	1.00	5.00	2.14	2.90	2.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.35	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	106.91	102.8	102.8
8	Total Alkalinity (mg/L)	200.00	600.00	81.92	81.92	81.92

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: AA – II A, ZONE – X

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

Date of Testing: 14.08.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – II A, 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	7.33	7.42	7.45
2	Temperature (degree C)	----	----	25.0	25.1	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	126.0	125.9	125.8
4	Turbidity (NTU)	1.00	5.00	2.35	1.59	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	115.07	115.07	110.96
8	Total Alkalinity (mg/L)	200.00	600.00	107.52	107.52	102.4

O.H.R. – OVER HEAD RESERVOIR,

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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: AA – II B. ZONE – IV

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

Date of Testing: 14.08.19

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	7.43	7.41	7.35	7.31	7.33	7.35	7.30
2	Temperature (degree C)	----	----	25.3	25.3	25.4	25.2	25.1	25.2	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.7	125.4	125.9	126.0	125.4	125.3	125.6
4	Turbidity (NTU)	1.00	5.00	1.39	1.62	1.41	1.63	1.80	1.61	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.45	0.35	0.30	<0.1	0.2	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	110.96	110.96	110.96	115.07	110.96	110.96	110.96
8	Total Alkalinity (mg/L)	200.00	600.00	102.4	102.4	107.52	107.52	102.4	102.4	102.4

O.H.R. – OVER HEAD RESERVOIR ,

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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: AA – IIA, ZONE – X

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

Date of Testing: 21.08.19

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	7.46	7.47	7.49
2	Temperature (degree C)	----	----	23.4	23.5	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.3	127.7	127.4
4	Turbidity (NTU)	1.00	5.00	1.48	1.17	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	109.46	113.51	109.46
8	Total Alkalinity (mg/L)	200.00	600.00	96.52	96.52	96.52
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.23	17.23	17.23
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 B, ZONE – IV

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

Date of Testing: 21.08.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)						
				AA – II B, ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MAHUA MADHABI	NKDA MARKET	ECO URBAN VILLAGE
A. Physico-chemical Test Results:										
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.45	7.44	7.41	7.38	7.37	7.40	7.39
2	Temperature (degree C)	----	----	23.3	23.3	23.4	23.5	23.4	23.5	23.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	126.3	126.8	127.0	127.5	126.9	127.0	127.3
4	Turbidity (NTU)	1/1	5/10	0.89	0.81	1.23	1.36	0.92	1.26	1.15
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200/200	600/600	109.46	109.46	109.46	113.51	109.46	109.46	113.51
8	Total Alkalinity (mg/L)	200/200	600/600	96.52	96.52	96.52	96.52	96.52	96.52	96.52
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.23	17.23	17.23	17.23	17.23	17.23	17.23
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F

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

Sd/-
Chemist & Bacteriologist
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