

**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
JULY' 2019**

ACTION AREA – I
(JULY' 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 – I, ZONE – VII

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

Date of Testing: 02.07.19

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	7.58	7.65	7.62	7.66	7.66	7.64
2	Temperature(degree C)	----	----	25.8	25.9	25.9	25.7	25.7	25.7
3	Total Dissolved Solid.	500.00	2000.00	143.5	143.5	143.2	143.5	142.6	142.9
4	Turbidity, (NTU)	1.00	5.00	1.46	1.40	1.53	1.21	1.16	1.56
5	Residual Free Chlorine	0.20	1.00	0.45	0.35	0.15	0.2	0.1	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	109.16	109.16	105.11	109.16	105.11	105.11
8	Total Alkalinity, (mg/L)	200.00	600.00	81.6	81.6	76.8	81.6	76.8	76.8

O.H.R. – OVER HEAD RESERVOIR

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

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 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 – X

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

Date of Testing: 02.07.19

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	7.32	7.50	7.57
2	Temperature(degree C)	----	----	25.7	25.6	25.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	147.2	144.1	145.7
4	Turbidity, (NTU)	1.00	5.00	1.56	1.62	1.41
5	Residual Free Chlorine(mg/L)	0.20	1.00	1.0	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	109.16	105.11	109.16
8	Total Alkalinity, (mg/L)	200.00	600.00	81.6	76.8	81.6

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: 02.07.19

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	7.55	7.55	7.57
2	Temperature(degree C)	----	----	25.7	25.6	25.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	142.9	143.1	142.9
4	Turbidity, (NTU)	1.00	5.00	1.48	2.01	1.39
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.25	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	105.11	105.11	105.11
8	Total Alkalinity, (mg/L)	200.00	600.00	76.8	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 - IV

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

Date of Testing: 05.07.19

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	7.51	7.55	7.61	7.61	7.62	7.64
2	Temperature(degree C)	----	----	26.0	26.0	26.0	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.3	137.6	138.3	138.5	138.2	137.6
4	Turbidity (NTU)	1.00	5.00	1.42	1.96	1.91	1.71	1.94	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.35	0.2	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	109.16	105.11	109.16	109.16	109.16	105.11
8	Total Alkalinity (mg/L)	200.00	600.00	96	91.2	91.2	96	91.2	91.2

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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: 05.07.19

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	7.41	7.45	7.48	7.51	7.50	7.53
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.3	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.4	138.8	138.6	138.4	138.3	137.8
4	Turbidity (NTU)	1.00	5.00	1.67	1.74	1.85	2.07	2.08	1.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.5	0.15	0.2	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	109.16	109.16	109.16	109.16	109.16	109.16
8	Total Alkalinity (mg/L)	200.00	600.00	91.2	96	96	91.2	91.2	91.2

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE - IV

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

Date of Testing: 11.07.19

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.	BC-105	BE-17	BB-50	SR.CITIZEN PARK
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.46	7.46	7.47	7.49	7.50
2	Temperature(degree C)	----	----	25.3	25.3	25.2	25.2	25.4	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.7	129.5	130.5	130.4	129.8	130.1
4	Turbidity (NTU)	1.00	5.00	1.31	1.09	1.07	1.19	1.50	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.1	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	105.14	105.14	109.19	109.19	105.14	105.14
8	Total Alkalinity (mg/L)	200.00	600.00	81.6	81.6	86.4	81.6	81.6	81.6
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	19.57	19.57	19.57	19.57	19.57	19.57
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 - II

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

Date of Testing: 11.07.19

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-72	AB-13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.30	7.39	7.42	7.43	7.45
2	Temperature(degree C)	----	----	24.8	25.1	25.0	25.2	25.1	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.3	129.5	130.3	130.1	130.1	130.1
4	Turbidity (NTU)	1.00	5.00	1.30	1.42	1.31	1.44	1.25	1.22
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	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	105.14	105.14	109.19	109.19	109.19	109.19
8	Total Alkalinity (mg/L)	200.00	600.00	81.6	81.6	86.4	81.6	81.6	81.6
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	19.57	19.57	19.57	19.57	19.57	19.57
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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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: 15.07.19

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	7.42	7.42	7.43	7.51	7.54	7.49
2	Temperature(degree C)	----	----	26.4	26.5	26.6	26.5	26.5	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	126.1	126.6	126.7	125.6	125.6	126.7
4	Turbidity (NTU)	1.00	5.00	0.95	0.84	1.63	0.98	1.05	1.18
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.2	0.2	0.15	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	109.19	109.19	109.19	105.14	105.14	109.19
8	Total Alkalinity (mg/L)	200.00	600.00	72	76.8	76.8	72	72	76.8
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	19.57	19.57	19.57	19.57	19.57	19.57
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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Central Water Testing Laboratory
NTKD – I, P.H.E. Dte.

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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: 15.07.19

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/153/18	AL/1/C/40	AL/1/C/39
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.39	7.47	7.49	7.47	7.46
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.6	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	126.5	126.8	127.3	131.3	126.6	126.9
4	Turbidity, (NTU)	1.00	5.00	0.41	0.68	1.54	0.73	0.94	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.4	0.15	0.2	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	109.19	109.19	109.19	113.23	109.19	109.19
8	Total Alkalinity, (mg/L)	200.00	600.00	72	72	76.8	76.8	72	72
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	19.57	19.57	19.57	19.57	19.57	19.57
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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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 & Bacteriological)

Date of Testing: 17.07.19

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
Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.41	7.47	7.48	7.54	7.53
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.5	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.6	124.9	125.1	124.4	124.5	124.4
4	Turbidity (NTU)	1.00	5.00	1.17	1.26	1.62	1.25	1.14	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.1	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	108.97	108.97	108.97	108.97	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	79.68	79.68	79.68	79.68	79.68	79.68
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	17.48	17.48	17.48	17.48	17.48	17.48
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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NTKD - I P.H.E. Dte.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 17.07.19

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	DC - 255	DA-88
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.53	7.53	7.54	7.54	7.55
2	Temperature(degree C)	----	----	26.1	26.3	26.3	26.4	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	124.2	124.2	124.5	124.3	124.0	124.6
4	Turbidity, (NTU)	1.00	5.00	1.13	1.45	1.57	1.76	1.32	1.57
5	Residual Free Chlorine	0.20	1.00	0.3	0.5	0.2	0.2	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	108.97	108.97	108.97	108.97	108.97	108.97
8	Total Alkalinity, (mg/L)	200.00	600.00	79.68	79.68	79.68	79.68	74.70	79.68
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	17.48	17.48	17.48	17.48	17.48	17.48
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

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: ACTION AREA -I, ZONE - I

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

Date of Testing: 18.07.19

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 - 225	AD - I	AC-107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.45	7.52	7.53	7.54	7.56
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	122.1	122.5	123.0	122.7	122.9	123.4
4	Turbidity (NTU)	1.00	5.00	1.69	1.61	1.81	2.03	2.09	2.01
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.25	0.1	0.15	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	96.86	96.86	96.86	96.86	96.86	100.90
8	Total Alkalinity (mg/L)	200.00	600.00	54.78	54.78	54.78	54.78	54.78	59.76
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	17.48	17.48	17.48	17.48	17.48	17.48
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: AA – I. ZONE – VIII

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

Date of Testing: 18.07.19

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	7.59	7.64	7.62	7.62	7.63	7.62
2	Temperature(degree C)	----	----	26.8	26.7	26.7	26.7	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	121.9	122.1	122.8	122.9	122.5	122.9
4	Turbidity. (NTU)	1.00	5.00	1.49	1.46	1.60	1.94	1.72	1.79
5	Residual Free Chlorine	0.20	1.00	0.45	0.3	0.1	0.2	0.1	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	96.86	96.86	96.86	96.86	96.86	96.86
8	Total Alkalinity. (mg/L)	200.00	600.00	54.78	54.78	54.78	54.78	54.78	54.78
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	17.48	17.48	17.48	17.48	17.48	17.48
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

N.F- NOT FOUND.

O.H.R. – OVER HEAD RESERVOIR

Sd/-
Chemist & Bacteriologist
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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 – I, ZONE – X

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

Date of Testing: 22.07.19

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.	AIR FORCE (DJ/6)
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.16	7.25	7.31
2	Temperature(degree C)	----	----	26.7	26.6	26.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	120.6	120.9	120.7
4	Turbidity, (NTU)	1.00	5.00	1.83	1.74	2.06
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.9	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	100.9	100.9	100.9
8	Total Alkalinity, (mg/L)	200.00	600.00	74.7	74.7	74.7
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48
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 – I, ZONE – IX

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

Date of Testing: 22.07.19

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	7.27	7.26	7.26
2	Temperature(degree C)	----	----	26.6	26.7	26.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	119.1	119.8	120.1
4	Turbidity, (NTU)	1.00	5.00	1.87	1.91	2.01
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	0.8	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	96.86	100.9	100.9
8	Total Alkalinity, (mg/L)	200.00	600.00	69.72	74.7	74.7
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48
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: ACTION AREA - I, ZONE – VI

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

Date of Testing: 25.07.19

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	
				BF - 59	BF - 58
A. Physico - chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.39
2	Temperature(degree C)	----	----	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	116.8	119.7
4	Turbidity (NTU)	1.00	5.00	1.17	1.52
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	96.86	100.9
8	Total Alkalinity (mg/L)	200.00	600.00	74.7	74.7
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.60	13.60
C. Bacteriological Test Results :					
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.

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 - II

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

Date of Testing: 29.07.19

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	7.06	7.19	7.27	7.35	7.38	7.38
2	Temperature(degree C)	----	----	23.7	24.3	24.2	24.1	24.1	24.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	119.7	120.0	120.0	120.0	119.7	119.8
4	Turbidity (NTU)	1.00	5.00	1.01	1.09	1.08	1.17	1.19	1.14
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2	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	96.86	96.86	96.86	96.86	96.86	96.86
8	Total Alkalinity (mg/L)	200.00	600.00	74.7	74.7	74.7	74.7	74.7	74.7

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: ACTION AREA -I, ZONE - IV

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

Date of Testing: 29.07.19

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	7.24	7.32	7.40	7.41	7.44	7.45
2	Temperature(degree C)	----	----	24.0	24.0	24.0	23.9	24.0	24.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	120.4	119.8	120.8	120.6	120.7	120.6
4	Turbidity (NTU)	1.00	5.00	1.17	1.28	1.10	1.06	1.30	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	0.1	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	100.9	96.86	100.9	96.86	100.9	100.9
8	Total Alkalinity (mg/L)	200.00	600.00	79.68	74.7	79.68	79.68	79.68	79.68

O.H.R. – OVER HEAD RESERVOIR

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

ACTION AREA – II
(JULY' 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: 03.07.19

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	7.32	7.44	7.40	7.45	7.45	7.45	7.48
2	Temperature (degree C)	----	----	25.8	25.9	26.0	26.0	26.0	26.1	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	142.7	143.6	143.2	144.1	143.3	142.9	143.4
4	Turbidity (NTU)	1.00	5.00	1.79	1.66	1.69	1.38	2.07	1.27	1.50
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.4	0.25	0.25	0.3	0.35	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	113.20	113.20	113.20	113.20	113.20	109.16	113.20
8	Total Alkalinity (mg/L)	200.00	600.00	96	100.8	100.8	100.8	100.8	96	100.8

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 – II D, ZONE – V

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

Date of Testing: 03.07.19

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	7.51	7.48	7.49
2	Temperature (degree C)	----	----	26.4	26.5	26.4	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	143.2	143.3	143.2	143.1
4	Turbidity (NTU)	1.00	5.00	1.38	2.14	1.83	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	113.20	113.20	113.20	113.20
8	Total Alkalinity (mg/L)	200.00	600.00	100.8	100.8	100.8	100.8

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 – II D, ZONE – VI

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

Date of Testing: 03.07.19

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	7.46	7.57	7.54	7.48
2	Temperature (degree C)	----	----	26.2	26.0	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.7	143.5	143.9	143.7
4	Turbidity (NTU)	1.00	5.00	1.69	2.03	1.43	1.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.2	0.15	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	109.16	113.20	113.20	113.20
8	Total Alkalinity (mg/L)	200.00	600.00	96	100.8	100.8	100.8

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 – II A, ZONE – X

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

Date of Testing: 08.07.19

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	7.42	7.45	7.45
2	Temperature (degree C)	----	----	26.3	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.3	135.5	135.9
4	Turbidity (NTU)	1.00	5.00	1.80	1.71	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.5	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	109.16	109.16	109.16
8	Total Alkalinity (mg/L)	200.00	600.00	91.2	91.2	91.2

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 – IIG, ZONE – XI

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

Date of Testing: 08.07.19

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	7.35	7.39	7.43
2	Temperature (degree C)	----	----	26.2	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.6	135.1	134.9
4	Turbidity (NTU)	1.00	5.00	1.43	1.61	1.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	109.16	105.11	105.11
8	Total Alkalinity (mg/L)	200.00	600.00	91.2	86.4	86.4

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 – II B, ZONE – IV

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

Date of Testing: 10.07.19

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	MALANCH A	MAHUA MADHABI	NKDA MARKET	ECO URBAN VILLAGE
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.31	7.34	7.34	7.36	7.36	7.36	7.38
2	Temperature (degree C)	----	----	26.3	26.3	26.4	26.3	26.5	26.5	26.5	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.4	133.9	134.4	133.7	133.3	133.9	134.7	133.3
4	Turbidity (NTU)	1.00	5.00	1.52	1.77	1.59	2.00	1.54	2.01	1.69	2.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	<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
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	113.20	109.16	113.20	109.16	109.16	109.16	113.20	109.16
8	Total Alkalinity (mg/L)	200.00	600.00	91.2	91.2	91.2	86.4	86.4	91.2	91.2	86.4

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 – IIC, ZONE – I
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 19.07.19

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	7.48	7.49	7.46	7.45	7.46	7.49	7.49
2	Temperature (degree C)	----	----	26.7	27.1	26.9	26.9	27.0	26.9	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	120.9	122.6	123.4	122.4	122.9	122.8	122.6
4	Turbidity (NTU)	1.00	5.00	1.64	1.88	2.23	2.44	2.10	2.27	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.15	0.2	0.1	0.25	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	96.86	100.9	100.9	100.9	100.9	100.9	100.9
8	Total Alkalinity (mg/L)	200.00	600.00	79.68	79.68	84.66	79.68	79.68	84.66	79.68
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	17.48	17.48	17.48	17.48	17.48	17.48	17.48
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

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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: AA – IID, ZONE – V

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

Date of Testing: 19.07.19

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	GREENWOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.48	7.46	7.46
2	Temperature (degree C)	----	----	26.8	26.8	26.8	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	121.6	122.5	122.1	121.8
4	Turbidity (NTU)	1.00	5.00	1.99	1.93	1.85	1.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.3	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	96.86	100.9	96.86	96.86
8	Total Alkalinity (mg/L)	200.00	600.00	79.68	84.66	79.68	79.68
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	17.48	17.48	17.48	17.48
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

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

TEST REPORT: AA – IID, ZONE – VI

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

Date of Testing: 19.07.19

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	7.48	7.49	7.44	7.43
2	Temperature (degree C)	----	----	26.4	26.7	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	120.7	122.8	122.9	122.6
4	Turbidity (NTU)	1.00	5.00	1.43	1.61	1.92	2.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	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	96.86	100.9	100.9	100.9
8	Total Alkalinity (mg/L)	200.00	600.00	79.68	84.66	84.66	79.68
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	17.48	17.48	17.48	17.48
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

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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 & Bacteriological)

Date of Testing: 23.07.19

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.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.39
2	Temperature (degree C)	----	----	25.4	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	118.3	118.6
4	Turbidity (NTU)	1.00	5.00	2.08	2.44
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	104.94	104.94
8	Total Alkalinity (mg/L)	200.00	600.00	49.8	49.8
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.60	13.60
C. Bacteriological Test Results :					
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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: AA – IIG, ZONE – XI

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

Date of Testing: 23.07.19

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	7.24	7.32	7.36
2	Temperature (degree C)	----	----	25.2	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	121.4	120.6	119.3
4	Turbidity (NTU)	1.00	5.00	2.04	2.57	2.33
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.5	0.9	0.8
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	54.78	49.8	49.8
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.60	13.60	13.60
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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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 – II B, ZONE – IV

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

Date of Testing: 25.07.19

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	7.50	7.48	7.47	7.39	7.55	7.55	7.43
2	Temperature (degree C)	----	----	26.0	26.0	25.9	26.0	24.5	26.0	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	119.5	119.4	119.2	118.5	120.6	120.6	119.1
4	Turbidity (NTU)	1/1	5/10	2.67	3.61	3.25	3.24	2.07	2.61	2.58
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.25	0.3	<0.1	0.1	0.2	0.15	0.2
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	100.9	100.9	100.9	96.86	100.9	100.9	96.86
8	Total Alkalinity (mg/L)	200/200	600/600	74.7	74.7	74.7	74.7	79.68	79.68	74.7
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	13.60	13.60	13.60	13.60	13.60	13.60	13.60
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/-
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