

**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
SEPTEMBER' 2021**

ACTION AREA – I
(SEPTEMBER' 2021)

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: 01.09.2021

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.	AL/1/C/28	NKDA Off.	AK-62	AI/153/18	AL-36	AL/1/C/27
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.46	7.45	7.38	7.40	7.33	7.39	7.37
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.2	123.0	122.9	123.6	123.1	122.2	125.2	123.2
4	Turbidity, (NTU)	1.00	5.00	0.91	1.53	1.71	0.98	1.46	1.39	0.98	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.3	0.45	0.25	0.35	0.1	0.25
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	119.24	119.24	119.24	119.24	115.13	115.13	111.02	106.91
8	Total Alkalinity, (mg/L)	200.00	600.00	84.42	88.44	84.42	84.42	84.42	88.44	88.44	88.44

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 02.09.2021

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	DC-03	DA-88	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.21	7.22	7.23	7.26	7.28
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid.	500.00	2000.00	121.6	121.9	122.0	121.9	122.0	122.0
4	Turbidity. (NTU)	1.00	5.00	1.30	1.14	1.34	2.16	1.62	1.76
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.25	0.1	0.25	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	98.68	102.80	102.80	102.80	102.80	102.80
8	Total Alkalinity. (mg/L)	200.00	600.00	88.44	84.42	84.42	84.42	84.42	84.42
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	15.69	15.69	15.69	15.69	15.69	15.69
C .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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)

Date of Testing: 07.09.2021

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 - 17	AA- 05	AC - 107	AC - 50	AA-141	AA-151
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.05	7.06	7.08	7.09	7.10	7.12	7.13	7.16
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	118.9	120.0	120.2	120.4	120.2	120.6	120.2	121.0
4	Turbidity (NTU)	1.00	5.00	1.79	1.78	1.82	1.45	1.44	1.21	1.37	1.24
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.25	0.2	0.3	0.25	0.2	0.15
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	106.91	115.13	115.13	115.13	115.13	111.02	111.02	115.13
8	Total Alkalinity (mg/L)	200.00	600.00	88.44	88.44	88.44	88.44	88.44	88.44	88.44	88.44

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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 – X

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

Date of Testing: 08.09.2021

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	7.06	7.08	7.09
2	Temperature(degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	122.2	121.7	123.3
4	Turbidity, (NTU)	1.00	5.00	1.56	1.12	1.91
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	111.02	106.91	111.02
8	Total Alkalinity, (mg/L)	200.00	600.00	88.44	88.44	88.44

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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)

Date of Testing: 08.09.2021

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.	RISHI TOWER	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.10	7.11	7.11	7.12
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	121.6	121.2	121.5	121.8
4	Turbidity, (NTU)	1.00	5.00	1.56	1.80	1.24	1.19
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	106.91	106.91	106.91	106.91
8	Total Alkalinity, (mg/L)	200.00	600.00	88.44	88.44	88.44	88.44

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
 Assistant Engineer
 NTKD - I P.H.E. Dte.

Sd/-
 Executive Engineer
 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: 10.09.2021

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	7.27	7.28	7.29	7.31	7.35	7.34
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	123.2	121.7	121.5	121.6	121.9	121.4
4	Turbidity (NTU)	1.00	5.00	1.23	1.56	1.26	1.41	1.96	1.47
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.4	0.2	0.15	0.3	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	119.25	119.25	119.25	119.25	119.25	119.25
8	Total Alkalinity (mg/L)	200.00	600.00	88.44	92.46	88.44	88.44	92.46	92.46
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	15.69	15.69	15.69	15.69	15.69	15.69
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte

Sd/-
Executive Engineer
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 & Bacteriological)

Date of Testing: 14.09.2021

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 TERMINUS	BA - 120	BB-72	BC-13	AE-67	AE-80
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	6.82	7.03	7.09	7.21	7.23	7.25	7.26	7.25
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	120.3	121.6	122.0	121.6	122.6	121.9	122.3	122.2
4	Turbidity (NTU)	1.00	5.00	1.81	2.09	1.97	1.35	1.26	1.07	1.33	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.45	0.35	0.15	0.3	0.2	0.25	0.2
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	102.80	106.91	102.80	102.80	102.80	106.91	102.80	106.91
8	Total Alkalinity (mg/L)	200.00	600.00	96.48	88.44	88.44	92.46	88.44	88.44	88.44	88.44
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.95	12.20	13.95	13.95	15.69	15.69	12.20	13.95
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

Sd/-
Chemist & Bacteriologist
NTKD-I, P.H.E. Dte.

Sd/-
Assistant Engineer
NTKD – I, P.H.E. Dte.

Sd/-
Executive Engineer
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 & Bacteriological)

Date of Testing: 15.09.2021

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.	AL/1/C/28	NKDA Off.	AK-87	AL/1/C/40	AI/153/18	AK-40
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.16	7.17	7.17	7.18	7.19	7.20	7.21
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	122.4	123.3	122.9	123.1	123.0	122.4	122.6	122.7
4	Turbidity, (NTU)	1.00	5.00	1.90	2.46	2.43	2.25	1.94	2.15	2.05	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.7	0.35	0.5	0.3	0.3	0.4	0.4
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	104.31	104.31	104.31	108.32	108.32	104.31	104.31	108.32
8	Total Alkalinity, (mg/L)	200.00	600.00	90.20	90.20	90.20	94.30	94.30	90.20	90.20	94.30
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.15	13.15	13.15	14.80	14.80	13.15	13.15	14.80
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

Sd/-
Chemist & Bacteriologist
NTKD-I, P.H.E. Dte.

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
NTKD - I P.H.E. Dte.

ACTION AREA – II
(SEPTEMBER' 2021)

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 & Bacteriological)

Date of Testing: 03.09.2021

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	7.25	7.26	7.26
2	Temperature (degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	123.9	124.0	124.3
4	Turbidity (NTU)	1.00	5.00	1.89	1.93	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	102.80	106.91	106.91
8	Total Alkalinity (mg/L)	200.00	600.00	84.42	80.40	84.42
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.69	13.95	15.69
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 03.09.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE – IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	PLOT-842	PLOT-820	PLOT-1343	PLOT-858/16	PLOT-1678	PLOT-859/1
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	7.21	7.22	7.22	7.23	7.23	7.22	7.23	7.24
2	Temperature (degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	124.1	124.6	124.6	128.0	126.6	126.9	124.4	126.7
4	Turbidity (NTU)	1/1	5/10	1.98	1.82	1.79	1.62	1.81	1.73	1.84	1.49
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.4	0.25	0.1	0.2	0.15	0.3	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200/200	600/600	106.91	111.02	106.91	106.91	106.91	106.91	102.80	106.91
8	Total Alkalinity (mg/L)	200/200	600/600	84.42	84.42	84.42	84.42	84.42	84.42	80.40	84.42
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	<0.1
10	Chloride (mg/L)	250/200	1000/1000	13.95	15.69	15.69	15.69	15.69	15.69	13.95	15.69
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 08.09.2021

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	7.14	7.16	7.17
2	Temperature (degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	121.7	121.7	122.1
4	Turbidity (NTU)	1.00	5.00	1.21	1.12	1.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	104.31	104.31	108.32
8	Total Alkalinity (mg/L)	200.00	600.00	90.20	90.20	94.30

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
 Assistant Engineer
 NTKD - I P.H.E. Dte.

Sd/-
 Executive Engineer
 NTKD - I P.H.E. Dte.