

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

**WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF
NEW TOWN KOLKATA PROJECT, DURING MONTH
NOVEMBER' 2021**

ACTION AREA – I
(NOVEMBER' 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: ACTION AREA - I, ZONE – VI

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

Date of Testing: 01.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - VI							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE -74	CE-197	CE-1/C/48	CE-137
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.54	7.55	7.56	7.57	7.55	7.55	7.56
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	121.4	122.0	121.8	122.0	121.7	122.0	121.8	121.4
4	Turbidity (NTU)	1.00	5.00	1.15	1.14	1.12	1.10	1.24	1.16	1.12	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.55	0.35	0.35	0.3	0.2	0.25	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	115.68	115.68	111.69	115.68	111.69	115.68	111.69	111.69
8	Total Alkalinity (mg/L)	200.00	600.00	93.66	98.12	93.66	98.12	93.66	98.12	93.66	93.66

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 – V

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

Date of Testing: 01.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CB-162
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.56	7.57	7.59	7.60	7.61	7.60
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	121.6	122.5	121.6	121.7	121.8	121.7	121.9
4	Turbidity (NTU)	1.00	5.00	1.15	1.10	1.11	1.10	1.08	1.20	1.29
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.5	0.2	0.15	0.4	0.3	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	111.69	115.68	111.69	111.69	111.69	111.69	111.69
8	Total Alkalinity (mg/L)	200.00	600.00	93.66	98.12	93.66	93.66	93.66	93.66	93.66

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

Date of Testing: 03.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)									
				ZONE - VII									
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DF - 94	DC-248	DC-105	DC-115	DC-159	DC-251
A. Physico-chemical Test Results:													
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.89	7.90	7.71	7.68	7.89	7.94	7.96	7.97	7.95
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid.	500.00	2000.00	132.2	123.4	123.5	131.1	125.5	123.8	123.5	123.3	123.0	123.4
4	Turbidity, (NTU)	1.00	5.00	1.42	0.86	0.78	1.17	1.08	1.20	1.28	1.04	0.76	1.05
5	Residual Free Chlorine	0.20	1.00	0.5	0.6	0.45	0.1	0.35	0.4	0.3	0.25	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:													
7	Total Hardness, (mg/L)	200.00	600.00	115.68	115.68	115.68	119.67	111.69	111.69	111.69	111.69	111.69	111.69
8	Total Alkalinity, (mg/L)	200.00	600.00	98.12	98.12	98.12	102.58	98.12	98.12	98.12	98.12	98.12	98.12

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 - II

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

Date of Testing: 08.11.2021

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	AE-132	BA-91
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.55	7.57	7.61	7.63	7.65
2	Temperature(degree C)	----	----	25.7	25.7	25.7	25.7	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.6	128.4	128.3	128.4	128.2	128.5
4	Turbidity (NTU)	1.00	5.00	0.83	0.75	0.78	0.96	0.80	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.5	0.35	0.3	0.4	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	115.68	115.68	115.68	115.68	115.68	115.68
8	Total Alkalinity (mg/L)	200.00	600.00	107.04	107.04	107.04	107.04	107.04	107.04
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.38	13.38	13.38	13.38	13.38	13.38
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 - IV

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

Date of Testing: 08.11.2021

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-80	BC-105	BF-58
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.55	7.62	7.66	7.65	7.65	7.69
2	Temperature(degree C)	----	----	25.9	25.5	25.5	25.9	25.9	25.6	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.9	127.6	128.5	128.5	128.3	128.0	128.8
4	Turbidity (NTU)	1.00	5.00	1.39	1.25	0.98	1.29	1.27	0.97	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.4	0.3	0.15	0.4	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	107.70	107.70	111.69	111.69	111.69	111.69	111.69
8	Total Alkalinity (mg/L)	200.00	600.00	98.12	98.12	102.58	102.58	102.58	102.58	102.58
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.38	13.38	15.05	15.05	15.05	15.05	13.38
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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: ACTION AREA - I, ZONE – VI

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

Date of Testing: 09.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - VI							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE -74	CE-197	CE-1/C/46	CE-1/C/52
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.62	7.65	7.49	7.60	7.63	7.66	7.65
2	Temperature(degree C)	----	----	25.5	25.5	25.5	25.7	25.7	25.7	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.8	129.9	130.1	129.6	130.1	129.9	129.7	130.1
4	Turbidity (NTU)	1.00	5.00	0.92	1.19	1.05	1.32	0.97	0.99	1.10	1.03
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.55	0.4	0.25	0.3	0.35	0.3	0.35
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	115.68	115.68	119.67	115.68	119.67	115.68	115.68	119.67
8	Total Alkalinity (mg/L)	200.00	600.00	98.12	98.12	98.12	98.12	98.12	98.12	98.12	98.12
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	13.38	13.38	13.38	13.38	13.38	13.38	13.38	13.38
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: 09.11.2021

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.	AL/1/C/40	AI/153/18	AI/18
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.55	7.53	7.52	7.52	7.51	7.53
2	Temperature(degree C)	----	----	25.8	25.8	25.8	25.8	25.8	25.7	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.5	130.6	130.8	130.8	130.4	130.4	130.8
4	Turbidity, (NTU)	1.00	5.00	0.94	0.61	1.15	1.24	1.61	1.45	0.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.4	0.2	0.35	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	119.67	119.67	119.67	119.67	119.67	119.67	119.67
8	Total Alkalinity, (mg/L)	200.00	600.00	102.58	102.58	102.58	102.58	102.58	102.58	102.58
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.38	13.38	13.38	13.38	13.38	13.38	13.38
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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: ACTION AREA -I, ZONE - I

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

Date of Testing: 12.11.2021

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	AD-26	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.45	7.41	7.42	7.45	7.48
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.6	136.0	136.6	136.0	136.1	136.1
4	Turbidity (NTU)	1.00	5.00	1.34	0.81	0.85	0.78	0.94	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.55	0.6	0.4	0.3	0.35	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	123.66	123.66	123.66	123.66	123.66	123.66
8	Total Alkalinity (mg/L)	200.00	600.00	107.04	107.04	107.04	107.04	107.04	107.04
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.05	15.05	15.05	15.05	15.05	15.05
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,

-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 – V

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

Date of Testing: 18.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CB - 180	CA- 81	CB-08	CA-245
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.61	7.65	7.68	7.71	7.70	7.72
2	Temperature(degree C)	----	----	25.2	25.2	25.2	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	143.5	143.3	144.5	145.5	144.1	143.9	144.0
4	Turbidity (NTU)	1.00	5.00	0.93	0.80	0.78	1.33	0.82	0.97	0.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.35	0.1	0.15	0.25	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	130.43	126.60	130.43	130.43	126.60	126.60	130.43
8	Total Alkalinity (mg/L)	200.00	600.00	125.86	121.52	125.86	125.86	121.52	121.52	125.86
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	17.10	17.10	17.10	17.10	17.10	17.10	17.10
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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 – VII

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

Date of Testing: 18.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-232	HIDCO ADMIN BUILDING	DF - 94	DC-248
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.68	7.69	7.70	7.66	7.69
2	Temperature(degree C)	----	----	25.2	25.2	25.2	25.5	25.2	25.2
3	Total Dissolved Solid.	500.00	2000.00	144.1	144.0	144.4	145.5	144.3	144.3
4	Turbidity, (NTU)	1.00	5.00	1.02	1.05	0.76	1.51	1.71	0.79
5	Residual Free Chlorine	0.20	1.00	0.3	0.45	0.2	0.1	0.3	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	130.43	130.43	130.43	134.27	130.43	130.43
8	Total Alkalinity, (mg/L)	200.00	600.00	121.52	121.52	121.52	125.86	121.52	121.52
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
10	Chloride (mg/L)	250/200	1000/1000	17.10	17.10	17.10	17.10	17.10	17.10
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF

O.H.R. – OVER HEAD RESERVOIR,

-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 – X

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

Date of Testing: 22.11.2021

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	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.52	7.57	7.60
2	Temperature(degree C)	----	----	26.0	26.0	26.0	26.0
3	Total Dissolved Solid(mg/L)	500.00	2000.00	147.5	147.7	147.9	147.8
4	Turbidity, (NTU)	1.00	5.00	1.17	0.88	0.97	1.14
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.35	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	126.60	126.60	130.43	130.43
8	Total Alkalinity, (mg/L)	200.00	600.00	121.52	121.52	121.52	121.52
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.10	17.10	17.10	17.10
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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 – IX
Sub. : **Water Testing (Physico-Chemical , Chemical & Bacteriological)**

Date of Testing: 22.11.2021

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	GREAT MEDIA BUILDING
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.57	7.59	7.56	7.51
2	Temperature(degree C)	----	----	26.0	26.0	26.0	26.0	26.0
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	147.8	148.3	147.9	147.2	147.3
4	Turbidity, (NTU)	1.00	5.00	1.47	0.98	1.13	0.87	0.74
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.25	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	130.43	126.60	130.43	130.43	130.43
8	Total Alkalinity, (mg/L)	200.00	600.00	121.52	121.52	121.52	121.52	121.52
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.10	17.10	17.10	17.10	17.10
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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 – VIII
Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)

Date of Testing: 25.11.2021

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-23	DA-88	DB-222	DC-12	DA-27
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.65	7.67	7.68	7.71	7.72	7.74	7.75
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
3	Total Dissolved Solid.	500.00	2000.00	157.2	156.5	156.8	154.8	154.6	149.2	149.7	149.0
4	Turbidity. (NTU)	1.00	5.00	1.39	1.51	1.29	1.11	1.13	1.36	1.19	0.98
5	Residual Free Chlorine	0.20	1.00	0.4	0.5	0.1	0.25	0.2	0.35	0.35	0.3
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	130.43	130.43	130.43	130.43	130.43	130.43	126.60	130.43
8	Total Alkalinity. (mg/L)	200.00	600.00	121.52	121.52	121.52	121.52	121.52	121.52	121.52	121.52
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	15.20	15.20	15.20	15.20	15.20	15.20	15.20	15.20
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 – VII
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 26.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DF - 94	DC-248	DC-226
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.49	7.53	7.61	7.58	7.59	7.65	7.66
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.1	25.1	25.1
3	Total Dissolved Solid.	500.00	2000.00	149.6	150.1	150.6	150.5	150.6	150.7	151.7
4	Turbidity, (NTU)	1.00	5.00	0.91	0.63	0.66	0.90	0.91	0.99	1.07
5	Residual Free Chlorine	0.20	1.00	0.4	0.5	0.4	0.1	0.2	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness, (mg/L)	200.00	600.00	130.43	130.43	130.43	130.43	130.43	130.43	134.26
8	Total Alkalinity, (mg/L)	200.00	600.00	143.22	143.22	143.22	143.22	143.22	143.22	143.22

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)

Date of Testing: 26.11.2021

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	BF-27	BC-49
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.65	7.68	7.70	7.72	7.71	7.70	7.72
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	150.4	150.6	150.9	150.7	150.3	150.5	150.6	150.4
4	Turbidity (NTU)	1.00	5.00	0.68	0.81	0.91	0.65	0.82	0.97	0.95	0.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.55	0.45	0.25	0.3	0.15	0.3	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	134.27	130.43	130.43	130.43	130.43	130.43	130.43	130.43
8	Total Alkalinity (mg/L)	200.00	600.00	143.22	143.22	143.22	143.22	143.22	143.22	143.22	143.22

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 - I

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

Date of Testing: 29.11.2021

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.57	7.58	7.61	7.62	7.63
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	152.7	153.0	153.0	153.2	153.3	153.1
4	Turbidity (NTU)	1.00	5.00	0.94	0.75	1.04	0.74	0.88	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.3	0.2	0.3	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	134.27	134.27	134.27	134.27	134.27	134.27
8	Total Alkalinity (mg/L)	200.00	600.00	138.88	138.88	138.88	138.88	138.88	138.88

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 - II

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

Date of Testing: 29.11.2021

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	AB- 72	AB - 13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.66	7.65	7.66	7.67	7.68
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	153.6	153.4	153.5	153.6	153.3	153.3
4	Turbidity (NTU)	1.00	5.00	0.98	0.94	0.82	1.28	1.23	0.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.2	0.3	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	134.27	134.27	134.27	134.27	134.27	134.27
8	Total Alkalinity (mg/L)	200.00	600.00	138.88	138.88	138.88	138.88	138.88	138.88

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 – III

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

Date of Testing: 30.11.2021

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.	AL/1/C/40	AI/153/18	AL-1/C/11
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.75	7.77	7.77	7.78	7.79	7.80
2	Temperature(degree C)	----	----	25.3	25.3	25.3	25.3	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	153.5	154.3	155.2	155.3	155.2	155.1	156.0
4	Turbidity, (NTU)	1.00	5.00	1.36	0.89	0.88	0.74	0.88	0.71	0.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.45	0.4	0.25	0.45	0.42
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	134.27	134.27	134.27	134.27	134.27	134.27	134.27
8	Total Alkalinity, (mg/L)	200.00	600.00	130.20	130.20	134.54	130.20	130.20	130.20	130.20

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

-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)

Date of Testing: 30.11.2021

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.	NBCC	CE/1/A/97	CE-74	CE-184
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.82	7.84	7.84	7.92	7.91
2	Temperature(degree C)	----	----	25.3	25.3	25.3	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	154.7	154.8	155.0	153.1	154.9	155.1
4	Turbidity (NTU)	1.00	5.00	0.94	1.12	1.17	1.06	0.88	1.22
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.35	0.25	0.4	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	138.11	138.11	134.27	134.27	134.27	134.27
8	Total Alkalinity (mg/L)	200.00	600.00	130.20	134.54	130.20	130.20	130.20	130.20

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.

ACTION AREA – II
(NOVEMBER' 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)

Date of Testing: 02.11.2021

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	7.70	7.72	7.69
2	Temperature (degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.0	122.8	122.6
4	Turbidity (NTU)	1.00	5.00	1.91	1.32	1.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.5	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	119.67	115.68	115.68
8	Total Alkalinity (mg/L)	200.00	600.00	102.58	98.12	98.12

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 – II B, ZONE – IV

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

Date of Testing: 02.11.2021

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.	HILAND WOODS	ANAHITA	MALANCHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
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	7.80	7.86	7.37	7.46	7.48	7.47	7.46	7.65
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	129.9	123.6	123.0	123.3	123.1	132.0	132.6	130.0
4	Turbidity (NTU)	1/1	5/10	1.90	1.26	1.50	1.69	1.85	2.02	1.83	1.61
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.65	0.61	0.45	0.31	0.35	0.41	0.55	0.45
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	115.68	111.69	111.69	111.69	111.69	115.68	119.67	119.67
8	Total Alkalinity (mg/L)	200/200	600/600	98.12	98.12	98.12	98.12	98.12	98.12	102.58	102.58

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 – II C, ZONE – I

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

Date of Testing: 17.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.35	7.34	7.35	7.38	7.36	7.38
2	Temperature (degree C)	----	----	25.9	25.9	25.9	25.9	25.9	25.9	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	143.8	144.0	144.7	144.7	144.9	144.9	144.4
4	Turbidity (NTU)	1.00	5.00	1.46	1.28	1.20	1.32	1.24	0.95	1.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.2	0.35	0.3	0.25	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	118.92	118.92	118.92	118.92	122.76	122.76	118.92
8	Total Alkalinity (mg/L)	200.00	600.00	112.84	112.84	112.84	112.84	117.18	117.18	112.84
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	15.20	15.20	15.20	15.20	17.10	17.10	15.20
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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 – IID, ZONE – V

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

Date of Testing: 17.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – 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	7.44	7.46	7.51	7.53
2	Temperature (degree C)	----	----	25.9	25.9	25.9	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	145.2	144.1	144.1	144.2
4	Turbidity (NTU)	1.00	5.00	1.25	1.08	1.35	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.35	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	130.43	122.76	122.76	130.43
8	Total Alkalinity (mg/L)	200.00	600.00	125.86	121.52	121.52	121.52
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	17.10	17.10	17.10	17.10
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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 – IID, ZONE – VI

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

Date of Testing: 17.11.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – 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	7.30	7.41	7.42	7.43
2	Temperature (degree C)	----	----	25.9	25.9	25.9	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	146.4	143.4	143.5	143.6
4	Turbidity (NTU)	1.00	5.00	1.52	1.45	1.48	1.39
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.35	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	122.76	118.92	122.76	122.76
8	Total Alkalinity (mg/L)	200.00	600.00	112.84	112.84	112.84	112.84
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	15.20	15.20	15.20	15.20
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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 & Bacteriological)

Date of Testing: 22.11.2021

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	7.51	7.51	7.56
2	Temperature (degree C)	----	----	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	147.8	147.2	147.3
4	Turbidity (NTU)	1.00	5.00	1.25	0.94	0.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.5	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	130.43	130.43	130.43
8	Total Alkalinity (mg/L)	200.00	600.00	121.52	121.52	121.52
9	Chloride (mg/L)	250.00	1000.00	<0.1	<0.1	<0.1
10	Iron(mg/L)	1.0	No Relaxation	17.10	17.10	17.10
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 A, ZONE – X

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

Date of Testing: 24.11.2021

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	7.56	7.65	7.69
2	Temperature (degree C)	----	----	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	149.4	149.7	149.8
4	Turbidity (NTU)	1.00	5.00	1.52	1.46	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	130.43	130.43	130.43
8	Total Alkalinity (mg/L)	200.00	600.00	121.52	121.52	121.52
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.20	15.20	15.20
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: 24.11.2021

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.	HILAND WOODS	ANAHITA	MALANCHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
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	7.55	7.55	7.49	7.53	7.49	7.48	7.49	7.54
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	165.7	157.9	157.3	158.2	151.4	151.5	151.5	150.1
4	Turbidity (NTU)	1/1	5/10	1.96	1.98	1.39	1.42	1.37	1.66	1.59	1.34
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	0.45	0.3	0.25	0.2	0.4	0.4	0.3
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	130.43	130.43	130.43	130.43	130.43	126.60	126.60	126.60
8	Total Alkalinity (mg/L)	200/200	600/600	125.86	125.86	125.86	125.86	125.86	121.52	121.52	121.52
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	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.10	17.10	17.10	17.10	17.10	15.20	15.20	15.20
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.