

**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
APRIL' 2019**

ACTION AREA – I
(APRIL' 2019)

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

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 01.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-31	CD-125	CA-79
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	7.75	7.78	7.77	7.80	7.85
2	Temperature(degree C)	----	----	26.6	26.7	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	176.5	176.7	176.9	178.0	177.0
4	Turbidity (NTU)	1/1	5/10	1.48	1.29	1.20	1.39	1.07
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.35	0.4	0.2	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	136.68	136.68	136.68	140.70	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	106.56	111	111	111	106.56

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 – VI

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

Date of Testing: 01.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE-104	CE/1/C/139	CE-74
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	7.54	7.62	7.68	7.72	7.73
2	Temperature(degree C)	----	----	26.6	26.6	26.7	26.7	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	177.1	177.9	177.5	177.2	177.3
4	Turbidity (NTU)	1/1	5/10	1.00	1.23	1.28	1.44	0.95
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.4	0.45	0.2	0.2	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	136.68	140.70	140.70	136.68	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	106.56	111	106.56	106.56	106.56

O.H.R. – OVER HEAD RESERVOIR,

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

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 01.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - III				
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AXIS MALL	AL/1/C/40
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	7.34	7.62	7.63	7.71	7.68
2	Temperature(degree C)	----	----	26.9	26.7	26.7	26.8	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.9	177.0	177.7	177.7	177.4
4	Turbidity, (NTU)	1/1	5/10	1.15	1.23	1.37	1.40	1.18
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.5	0.4	0.2	0.15	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :								
7	Total Hardness, (mg/L)	200/200	600/600	136.68	140.70	140.70	140.70	140.70
8	Total Alkalinity, (mg/L)	200/200	600/600	106.56	106.56	106.56	106.56	106.56

O.H.R. – OVER HEAD RESERVOIR,

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

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

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 02.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-181	DF-94	DC-235
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	7.62	7.83	7.91	7.88	7.86
2	Temperature(degree C)	----	----	26.7	26.6	26.7	26.6	26.6
3	Total Dissolved Solid.	500/500	2000/2000	177.6	178.8	177.9	178.5	177.5
4	Turbidity, (NTU)	1/1	5/10	1.48	1.23	1.23	1.48	1.01
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	0.2	0.1	0.1	0.15	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200/200	600/600	140.70	140.70	140.70	140.70	136.68
8	Total Alkalinity, (mg/L)	200/200	600/600	128.76	128.76	128.76	128.76	128.76

O.H.R. – OVER HEAD RESERVOIR

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

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

TEST REPORT: AA – I. ZONE – VIII

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

Date of Testing: 02.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VIII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-101	DA-136	DB-43
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	7.66	7.75	7.79	7.77	7.79
2	Temperature(degree C)	----	----	26.6	26.7	26.7	26.6	26.7
3	Total Dissolved Solid.	500/500	2000/2000	177.9	177.4	177.1	179.2	180.1
4	Turbidity. (NTU)	1/1	5/10	1.20	1.06	1.24	1.29	1.31
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	0.7	0.3	0.2	0.1	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness. (mg/L)	200/200	600/600	140.70	136.68	136.68	140.70	140.70
8	Total Alkalinity. (mg/L)	200/200	600/600	128.76	128.76	128.76	128.76	128.76

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: 05.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - IV				
				INLET OF O.H.R.	OUTLET OF O.H.R.	BB-117	BE-143	BB-50
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	7.76	7.80	7.82	7.80
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.7	178.3	177.5	177.9	177.4
4	Turbidity (NTU)	1/1	5/10	1.15	1.21	1.08	1.29	1.51
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.6	0.35	0.1	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	136.68	136.68	136.68	140.70	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	124.32	124.32	119.88	124.32	119.88

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 - I

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

Date of Testing: 05.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - I				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AA-136	AB-72	AC-107
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	7.63	7.65	7.68	7.70	7.73
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.5	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.0	178.7	179.7	177.2	177.8
4	Turbidity (NTU)	1/1	5/10	1.15	1.20	0.94	0.88	1.10
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.4	0.35	0.2	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	136.68	136.68	140.70	136.68	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	119.88	124.32	124.32	119.88	119.88

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 - II

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

Date of Testing: 05.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - II				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AB-23	BA-120	AB-13
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	7.76	7.66	7.74	7.77	7.79
2	Temperature(degree C)	----	----	26.6	26.6	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	177.8	177.8	177.4	177.3	177.5
4	Turbidity (NTU)	1/1	5/10	1.20	1.01	1.08	0.98	1.34
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.45	0.5	0.2	0.1	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	136.68	136.68	136.68	136.68	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	119.88	119.88	119.88	119.88	119.88

O.H.R. – OVER HEAD RESERVOIR,

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

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

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 08.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	AL-AMEENATION (DJ/4/9)	AIR FORCE Navsl (DJ/6)
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	7.68	7.72	7.78	7.82
2	Temperature(degree C)	----	----	26.6	26.6	26.5	26.5
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	180.6	180.8	180.0	179.6
4	Turbidity, (NTU)	1/1	5/10	1.11	1.11	0.92	1.09
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.1	0.2	0.15	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	136.68	136.68	136.68	132.66
8	Total Alkalinity, (mg/L)	200/200	600/600	119.88	124.32	119.88	119.88

O.H.R. – OVER HEAD RESERVOIR

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

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

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 08.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				Inlet OF O.H.R.	Outlet OF O.H.R.	Dawat Restaurant	TATA Medical Centre
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	7.59	7.62	7.65	7.68
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.5
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	181.1	180.9	180.8	180.2
4	Turbidity, (NTU)	1/1	5/10	1.11	1.20	1.24	1.21
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.2	0.25	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	136.68	136.68	136.68	136.68
8	Total Alkalinity, (mg/L)	200/200	600/600	124.32	124.32	124.32	119.88

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 – VI

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

Date of Testing: 12.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE-125	CE/1/C/-204	CE-104
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	7.58	7.65	7.68	7.75	7.79
2	Temperature(degree C)	----	----	26.6	26.7	26.7	26.5	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.8	183.0	183.0	182.0	181.9
4	Turbidity (NTU)	1/1	5/10	0.78	1.12	1.16	0.93	0.99
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.3	0.15	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	131.70	131.70	131.70	131.70	131.70
8	Total Alkalinity (mg/L)	200/200	600/600	126.56	126.56	126.56	126.56	126.56
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	21.05	22.97	22.97	21.05	21.05
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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

Date of Testing: 12.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - III				
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AI/153/18	AL/1/8/18
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	7.36	7.53	7.60	7.67	7.68
2	Temperature(degree C)	----	----	26.5	26.6	26.7	26.6	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	183.7	183.6	183.0	182.7	183.2
4	Turbidity, (NTU)	1/1	5/10	0.96	0.89	1.28	0.94	0.96
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.5	0.25	0.1	0.15	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :								
7	Total Hardness, (mg/L)	200/200	600/600	135.82	135.82	135.82	131.82	135.82
8	Total Alkalinity, (mg/L)	200/200	600/600	131.08	131.08	126.56	126.56	131.08
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	22.97	22.97	22.97	22.97	21.05
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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 - I

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

Date of Testing: 16.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - I				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AA-24	AC-107	AA-170
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	7.60	7.62	7.73	7.73	7.75
2	Temperature(degree C)	----	----	26.7	26.7	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.9	182.3	181.8	182.6	182.3
4	Turbidity (NTU)	1/1	5/10	1.04	0.92	0.92	1.01	1.08
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.5	0.4	0.2	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	143.81	143.81	139.81	143.81	143.81
8	Total Alkalinity (mg/L)	200/200	600/600	117.52	117.52	113	113	113
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	24.88	24.88	24.88	24.88	26.80
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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 - II

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

Date of Testing: 16.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - II				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AB-29	BA-120	AB-13
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	7.44	7.59	7.64	7.67	7.69
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.7	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.5	182.7	183.3	181.5	181.8
4	Turbidity (NTU)	1/1	5/10	1.08	0.88	0.84	1.07	1.02
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.45	0.3	0.15	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	139.81	143.81	143.81	139.81	139.81
8	Total Alkalinity (mg/L)	200/200	600/600	113	117.52	117.52	113	113
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	24.88	24.88	24.88	24.88	24.88
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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 – VII

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

Date of Testing: 18.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF-94	DC-169
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	7.76	7.78	7.78	7.80	7.83
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.8	26.8
3	Total Dissolved Solid.	500/500	2000/2000	181.2	182.1	181.8	182.0	181.3
4	Turbidity, (NTU)	1/1	5/10	1.16	1.52	1.69	1.13	2.01
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	0.2	0.35	0.2	0.1	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200/200	600/600	135.82	139.81	135.82	139.81	135.82
8	Total Alkalinity, (mg/L)	200/200	600/600	117.52	122.04	117.52	117.52	117.52
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	24.88	24.88	24.88	24.88	24.88
C. Bacteriological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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

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

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

TEST REPORT: AA – I. ZONE – VIII

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

Date of Testing: 18.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VIII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DB-222	DA-94	DC-23
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	7.53	7.65	7.71	7.77	7.78
2	Temperature (degree C)	----	----	26.8	26.8	26.7	26.8	26.7
3	Total Dissolved Solid.	500/500	2000/2000	180.1	182.5	182.5	182.6	182.1
4	Turbidity. (NTU)	1/1	5/10	0.53	1.25	0.96	1.10	1.38
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	0.5	0.25	0.1	0.1	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness. (mg/L)	200/200	600/600	139.81	139.81	139.81	139.81	139.81
8	Total Alkalinity. (mg/L)	200/200	600/600	117.52	122.04	122.04	122.04	122.04
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	24.88	24.88	24.88	24.88	24.88
C. Bacteriological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

NF- 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 - IV

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

Date of Testing: 29.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - IV				
				INLET OF O.H.R.	OUTLET OF O.H.R.	BF-79	BE-17	BB-50
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	7.81	7.83	7.85	7.88	7.89
2	Temperature(degree C)	----	----	26.6	26.6	26.5	26.4	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.6	181.2	181.9	180.2	182.5
4	Turbidity (NTU)	1/1	5/10	2.03	1.72	1.49	1.67	1.62
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	0.2	0.1	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	131.82	135.82	135.82	131.82	135.82
8	Total Alkalinity (mg/L)	200/200	600/600	122.04	122.04	126.56	122.04	126.56
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	26.80	26.80	24.88	24.88	26.80
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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 – V

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

Date of Testing: 29.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-31	CD-125	CA-82
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	7.36	7.52	7.67	7.71	7.80
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.7	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.6	181.4	182.9	181.8	180.8
4	Turbidity (NTU)	1/1	5/10	1.50	1.58	1.55	1.69	1.34
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.3	0.2	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	131.82	131.82	131.82	131.82	131.82
8	Total Alkalinity (mg/L)	200/200	600/600	122.04	122.04	126.56	122.04	122.04
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	26.80	26.80	26.80	26.80	26.80
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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

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 – VI

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

Date of Testing: 30.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				AA – IID, ZONE - VI				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE/1/C/168	CE/1/C/47	CE-74
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	7.73	7.75	7.83	7.84	7.86
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.4	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.5	181.1	180.2	183.2	178.8
4	Turbidity (NTU)	1/1	5/10	1.04	1.45	1.36	1.55	1.27
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.4	0.35	0.2	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	135.82	131.83	131.83	131.83	127.83
8	Total Alkalinity (mg/L)	200/200	600/600	126.56	126.56	126.56	131.08	122.04

O.H.R. – OVER HEAD RESERVOIR

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

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 30.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - III				
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AI-10	AL/1/C/40
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	7.52	7.62	7.67	7.71	7.75
2	Temperature(degree C)	----	----	26.4	26.5	26.5	26.5	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	181.4	181.4	181.5	181.0	180.9
4	Turbidity, (NTU)	1/1	5/10	1.25	1.45	1.23	1.30	1.31
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.55	0.4	0.2	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :								
7	Total Hardness, (mg/L)	200/200	600/600	131.83	131.83	135.82	135.82	131.83
8	Total Alkalinity, (mg/L)	200/200	600/600	122.04	117.52	117.52	117.52	117.52

O.H.R. – OVER HEAD RESERVOIR,

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

ACTION AREA – II
(APRIL' 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: 04.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	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
A. Physico-chemical Test Results:									
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.45	7.70	7.70	7.72	7.74	7.76
2	Temperature (degree C)	----	----	26.6	26.5	26.5	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.0	180.5	180.0	179.6	179.7	179.1
4	Turbidity (NTU)	1/1	5/10	0.93	1.18	1.15	0.91	1.05	1.19
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	136.68	140.70	136.68	140.70	140.70	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	119.88	119.88	119.88	119.88	124.32	119.88

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: 04.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)					
				AA – IID, ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA	GREEN WOOD SONATA	UJJALA
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	7.68	7.72	7.71	7.72	7.71	7.74
2	Temperature (degree C)	----	----	26.6	26.6	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.9	179.1	178.9	179.5	179.1	178.3
4	Turbidity (NTU)	1/1	5/10	1.04	1.70	1.22	1.05	1.38	1.16
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	136.68	140.70	140.70	140.70	136.68	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	119.88	124.32	124.32	119.88	119.88	124.32

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: 04.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	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 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	6.96	7.58	7.67	7.70
2	Temperature (degree C)	----	----	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	183.4	180.5	180.1	179.5
4	Turbidity (NTU)	1/1	5/10	1.23	1.13	0.91	0.94
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.7	0.35	0.3	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	140.70	136.68	136.68	140.70
8	Total Alkalinity (mg/L)	200/200	600/600	124.32	124.32	119.88	119.88

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: 08.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	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 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.59	7.75	7.78
2	Temperature (degree C)	----	----	26.6	26.5	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.2	179.9	179.3
4	Turbidity (NTU)	1/1	5/10	1.66	1.17	1.10
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.45	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	136.68	136.68	136.68
8	Total Alkalinity (mg/L)	200/200	600/600	124.32	119.88	124.32

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 C, ZONE – I

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

Date of Testing: 22.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	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
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	7.72	7.74	7.72	7.74	7.73	7.74
2	Temperature (degree C)	----	----	26.0	26.1	26.1	26.0	26.2	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.9	186.7	186.5	186.1	186.3	186.2
4	Turbidity (NTU)	1/1	5/10	1.36	1.43	1.42	1.41	1.68	1.52
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.25	0.1	0.15	0.15	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	136.68	140.70	140.70	140.70	140.70	140.70
8	Total Alkalinity (mg/L)	200/200	600/600	126.56	126.56	131.08	126.56	126.56	126.56
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	26.80	26.80	26.80	26.80	26.80	26.80
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.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

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

TEST REPORT: AA – II D, ZONE – V

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

Date of Testing: 22.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)					
				AA – IID, ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA	GREENWOOD SONATA	UJJALA
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	7.63	7.68	7.68	7.69	7.70	7.68
2	Temperature (degree C)	----	----	26.1	26.1	26.2	26.2	26.0	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.2	185.8	186.1	185.9	186.8	186.2
4	Turbidity (NTU)	1/1	5/10	1.14	1.42	1.29	1.43	1.57	1.47
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.3	0.1	0.2	0.15	<0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	140.70	136.68	140.70	136.68	140.70	140.70
8	Total Alkalinity (mg/L)	200/200	600/600	126.56	126.56	126.56	126.56	131.08	126.56
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	26.80	26.80	26.80	26.80	26.80	26.80
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.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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 – IID, ZONE – VI

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

Date of Testing: 22.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	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 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.66	7.66	7.65	7.62
2	Temperature (degree C)	----	----	26.1	26.1	26.2	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.2	186.4	186.5	186.8
4	Turbidity (NTU)	1/1	5/10	1.60	1.29	1.27	1.41
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.3	0.2	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	140.70	140.70	140.70	140.70
8	Total Alkalinity (mg/L)	200/200	600/600	126.56	131.08	131.08	131.08
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	26.80	26.80	26.80	26.80
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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 – IIA, ZONE – X

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

Date of Testing: 25.04.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	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 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.64	7.72	7.75
2	Temperature (degree C)	----	----	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	185.9	185.9	185.6
4	Turbidity (NTU)	1/1	5/10	1.65	1.21	1.30
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	132.66	132.66	132.66
8	Total Alkalinity (mg/L)	200/200	600/600	126.56	126.56	126.56
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	26.80	26.80	26.80
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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 – IIB, ZONE – IV

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

Date of Testing: 25.04.19

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 WILLOWS	ANAHITA	MAHUA MADHABI	MALANCH A	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	7.62	7.64	7.65	7.63	7.64	7.59	7.56	7.59
2	Temperature (degree C)	----	----	25.2	25.2	25.3	25.2	25.2	25.2	25.3	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	187.2	186.5	185.6	186.5	186.5	186.6	186.7	186.2
4	Turbidity (NTU)	1/1	5/10	1.60	1.35	1.27	1.58	1.60	1.83	1.82	1.62
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.15	0.1	<0.1	<0.1	<0.1	<0.1	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)	200/200	600/600	136.68	132.66	132.66	136.68	136.68	136.68	136.68	132.66
8	Total Alkalinity (mg/L)	200/200	600/600	131.08	126.56	126.56	131.08	131.08	131.08	126.56	126.56
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	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80
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.	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.	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.