

**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
JUNE' 2023**

ACTION AREA – I
(JUNE' 2023)

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, O.H.R - I

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

Date of Testing: 01.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - 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	7.42	7.45	7.41	7.42	7.45	7.40
2	Temperature (degree C)	----	----	26.5	26.4	26.4	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.2	191.3	191.4	191.3	191.3	191.1
4	Turbidity (NTU)	1.00	5.00	1.66	1.44	1.64	1.57	1.39	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2	0.1	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	137.63	133.58	133.58	129.54	129.54	129.54
8	Total Alkalinity (mg/L)	200.00	600.00	122.08	130.80	130.80	130.80	130.80	126.44
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	28.71	28.71	28.71	28.71	28.71	28.71
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, O.H.R - IV

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

Date of Testing: 01.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BC-141
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.24	7.30	7.33	7.38	7.40	7.43
2	Temperature(degree C)	----	----	26.9	26.8	26.7	26.7	26.7	26.6	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.7	191.9	192.8	191.6	191.4	192.6	191.5
4	Turbidity (NTU)	1.00	5.00	1.63	1.73	1.36	1.88	1.74	1.47	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.1	0.2	0.3	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	129.54	129.54	129.54	129.54	129.54	129.54	125.49
8	Total Alkalinity (mg/L)	200.00	600.00	130.80	130.80	122.08	122.08	122.08	122.08	122.08
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	28.71	28.71	28.71	28.71	28.71	28.71	28.71
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, O.H.R - II

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

Date of Testing: 02.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - II						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AB-13	AE-80
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.24	7.26	7.24	7.31	7.34	7.35
2	Temperature(degree C)	----	----	26.5	26.5	26.4	26.4	26.3	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.4	193.1	192.8	192.7	192.6	192.6	192.4
4	Turbidity (NTU)	1.00	5.00	1.51	1.72	1.57	1.41	1.90	1.93	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.2	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	129.54	133.58	133.58	129.54	129.54	129.54	129.54
8	Total Alkalinity (mg/L)	200.00	600.00	126.44	130.80	130.80	126.44	126.44	126.44	126.44

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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA –I
Sub. :Water Testing (Physico-Chemical & Chemical)

Date of Testing: 05.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.20	7.21	7.28	7.27
2	Temperature(degree C)	----	----	26.1	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.5	190.8	190.9	190.6
4	Turbidity (NTU)	1.00	5.00	1.98	1.95	1.62	1.52
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	133.58	133.58	137.63	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	126.44	126.44	122.08	122.08

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – VII

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

Date of Testing: 05.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF-94	DC-248
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.38	7.41	7.42	7.45
2	Temperature(degree C)	----	----	26.1	26.2	26.1	26.0	26.0
3	Total Dissolved Solid.	500.00	2000.00	189.7	189.9	189.6	188.7	189.1
4	Turbidity, (NTU)	1.00	5.00	1.64	1.69	1.80	1.55	1.81
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	137.63	141.68	137.63	137.63	137.63
8	Total Alkalinity, (mg/L)	200.00	600.00	122.08	122.08	122.08	122.08	122.08

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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156**

**TEST REPORT: AA – I. O.H.R – VIII
Sub. : Water Testing (Physico-chemical & Chemical)**

Date of Testing: 05.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.41	7.40	7.37	7.38	7.40
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	189.3	188.6	189.6	189.5	189.4	189.0
4	Turbidity. (NTU)	1.00	5.00	1.90	1.72	1.89	1.96	1.59	1.79
5	Residual Free Chlorine	0.20	1.00	0.8	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	129.54	129.54	133.58	129.54	133.58	133.58
8	Total Alkalinity. (mg/L)	200.00	600.00	126.44	126.44	122.08	122.08	122.08	122.08

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.**

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, O.H.R – VI

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

Date of Testing: 07.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VI						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/C/97	CE -74	CE-197	CE-46
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.27	7.32	7.34	7.36	7.36	7.37
2	Temperature(degree C)	----	----	26.3	26.4	26.3	26.3	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.0	187.9	189.0	188.5	188.4	188.4	187.8
4	Turbidity (NTU)	1.00	5.00	1.95	1.61	1.93	1.98	1.67	1.89	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.4	0.3	0.3	0.4	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	129.54	129.54	129.54	133.58	129.54	133.58	129.54
8	Total Alkalinity (mg/L)	200.00	600.00	122.08	122.08	122.08	122.08	122.08	126.44	122.08
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	30.63	28.71	30.63	30.63	30.63	30.63	30.63
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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 07.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - III					
				INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AL/1/B/8	AL/1/C/40	AI/153/18
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.26	7.29	7.29	7.28	7.31
2	Temperature(degree C)	----	----	26.5	26.4	26.4	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.3	188.8	188.2	188.1	188.3	188.9
4	Turbidity, (NTU)	1.00	5.00	1.89	1.76	1.40	1.80	1.56	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.3	0.4	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	133.58	133.58	129.54	129.54	133.58	129.54
8	Total Alkalinity, (mg/L)	200.00	600.00	122.08	126.44	122.08	122.08	126.44	122.08
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	30.63	30.63	30.63	28.71	30.63	30.63
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.

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Executive Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – X

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

Date of Testing: 14.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - 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	7.20	7.24	7.30	7.35
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	185.5	186.2	185.6	185.1
4	Turbidity, (NTU)	1.00	5.00	1.44	1.82	1.63	1.36
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.3	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	133.58	133.58	133.58	129.54
8	Total Alkalinity, (mg/L)	200.00	600.00	113.36	117.72	117.72	117.72
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.71	28.71	28.71	28.71
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.

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Assistant Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – IX
Sub. : Water Testing (Physico-Chemical , Chemical & Bacteriological)

Date of Testing: 14.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.49	7.58	7.62	7.59
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	186.0	186.6	186.6	186.5	186.6
4	Turbidity, (NTU)	1.00	5.00	1.49	1.59	1.66	1.64	1.63
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	133.58	133.58	133.58	133.58	133.58
8	Total Alkalinity, (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72	117.72
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.71	28.71	28.71	28.71	28.71
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	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, O.H.R – VII

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

Date of Testing: 15.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DC-163
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.35	7.36	7.39	7.45	7.41	7.32
2	Temperature(degree C)	----	----	26.5	26.4	26.5	26.5	26.6	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	185.5	184.3	184.5	185.2	184.1	185.6	185.3
4	Turbidity, (NTU)	1.00	5.00	1.40	1.52	1.61	1.59	1.69	1.73	1.81
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.4	0.1	0.3	0.2	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	129.54	125.49	125.49	129.54	125.49	129.54	129.54
8	Total Alkalinity, (mg/L)	200.00	600.00	113.36	113.36	113.36	113.36	109.00	113.36	113.36
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	1000	30.63	30.63	30.63	30.63	28.71	30.63	28.71
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: AA – I. O.H.R – VIII
Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)

Date of Testing: 15.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.36	7.37	7.39	7.38	7.39
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.8	26.8	26.7
3	Total Dissolved Solid.	500.00	2000.00	183.9	183.8	183.1	184.3	185.3	185.6
4	Turbidity (NTU)	1.00	5.00	1.36	1.29	1.31	1.35	1.45	1.38
5	Residual Free Chlorine	0.20	1.00	0.2	0.6	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	129.54	129.54	129.54	133.58	133.58	133.58
8	Total Alkalinity. (mg/L)	200.00	600.00	113.36	113.36	113.36	113.36	113.36	113.36
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	28.71	28.71	28.71	28.71	28.71	28.71
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: AA – I, O.H.R – III

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

Date of Testing: 16.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)									
				O.H.R - III									
				INLET OF O.H.R.	OUTLET OF O.H. R	AI/1/C/28	AL/1/C/5	AL/1/C/40	AI/153/18	AL/1/C/6	AL-12	AL/1/C/11	AL/1/B/8
A. Physico-chemical Test Results :													
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.38	7.39	7.42	7.44	7.43	7.45	7.43	7.44	7.46
2	Temperature(degree C)	----	----	26.6	26.5	26.5	26.5	26.4	26.4	26.4	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.9	182.9	182.2	182.7	182.0	181.3	181.5	181.6	181.3	182.0
4	Turbidity, (NTU)	1.00	5.00	1.89	1.85	1.75	1.54	1.91	1.67	1.92	1.83	1.53	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.2	0.1	0.3	0.4	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	139.26	139.26	135.04	135.04	135.04	139.26	135.04	135.04	135.04	135.04
8	Total Alkalinity, (mg/L)	200.00	600.00	115.02	110.76	110.76	110.76	110.76	115.02	110.76	110.76	110.76	110.76

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

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

Date of Testing: 21.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.48	7.42	7.43
2	Temperature(degree C)	----	----	26.7	26.6	26.6	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.4	175.3	175.1	175.5
4	Turbidity (NTU)	1.00	5.00	1.76	1.78	1.91	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.1
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	126.60	126.60
8	Total Alkalinity (mg/L)	200.00	600.00	110.76	110.76	110.76	110.76
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	26.40	26.40	26.40	26.40
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

NF-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, O.H.R - II

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

Date of Testing: 22.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA-120	AE-104	AB-13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.28	7.31	7.35	7.36	7.37
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.6	26.7	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.5	174.7	174.5	174.4	174.5	173.6
4	Turbidity (NTU)	1.00	5.00	1.82	1.85	1.77	1.78	1.86	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	130.82	130.82	126.60	130.82	130.82	126.60
8	Total Alkalinity (mg/L)	200.00	600.00	102.24	102.24	102.24	102.24	102.24	102.24
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	28.29	28.29	28.29	28.29	28.29	28.29
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, O.H.R – V

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

Date of Testing: 28.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-81	CB-08	CA-27
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.08	7.12	7.14	7.19	7.16	7.19
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.0	166.5	166.5	166.1	166.1	166.6	167.1
4	Turbidity (NTU)	1.00	5.00	1.72	1.78	1.89	1.75	1.94	1.69	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.1	0.1	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	118.16	122.38	122.38	118.16	118.16	118.16	118.16
8	Total Alkalinity (mg/L)	200.00	600.00	97.98	97.98	97.98	97.98	97.98	97.98	97.98
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	1000	26.40	28.29	28.29	28.29	26.40	28.29	28.29
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, O.H.R - I

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

Date of Testing: 28.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AC- 190	AC-107	AC-50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.15	7.18	7.22	7.17	7.21
2	Temperature (degree C)	----	----	26.4	26.5	26.5	26.5	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.0	166.0	165.5	165.8	165.5	165.5
4	Turbidity (NTU)	1.00	5.00	1.80	1.84	1.72	1.89	1.78	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	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	118.16	118.16	118.16	118.16	118.16	118.16
8	Total Alkalinity (mg/L)	200.00	600.00	97.98	97.98	97.98	97.98	97.98	97.98
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	28.29	28.29	28.29	28.29	28.29	28.29
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.

ACTION AREA – II
(JUNE' 2023)

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, O.H.R-17

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

Date of Testing: 09.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – II A, O.H.R-17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.69	7.70
2	Temperature (degree C)	----	----	26.0	26.1	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.6	187.9	188.6
4	Turbidity (NTU)	1.00	5.00	1.38	1.25	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	133.58	129.54	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	130.80	130.80	130.80

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, O.H.R-15

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

Date of Testing: 09.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R-15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.59	7.55	7.60	7.62	7.65	7.64	7.62
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.2	26.3	26.3	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.4	188.1	188.8	188.7	189.2	188.9	187.9	188.1
4	Turbidity (NTU)	1.00	5.00	1.85	1.88	1.97	1.77	1.80	1.49	1.74	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.3	0.1	0.1	0.2	0.3	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	133.58	129.54	133.58	133.58	129.54	133.58	129.54	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	126.44	126.44	130.80	126.44	126.44	130.80	130.80	130.80

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, O.H.R – 13

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

Date of Testing: 13.06.2023

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, O.H.R - 13						
				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	7.24	7.28	7.36	7.41	7.41	7.42	7.36
2	Temperature (degree C)	----	----	26.2	26.2	26.1	26.1	26.1	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.4	186.2	185.6	186.0	185.7	185.5	185.6
4	Turbidity (NTU)	1.00	5.00	1.78	1.44	1.81	1.47	1.86	1.67	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	133.58	133.58	133.58	129.54	129.54	133.58	129.54
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72	117.72	117.72	117.72

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 D, O.H.R – 11

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

Date of Testing: 13.06.2023

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, O.H.R -11			
				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	7.48	7.51	7.49	7.48
2	Temperature (degree C)	----	----	26.4	26.5	26.6	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.6	184.7	185.7	185.2
4	Turbidity (NTU)	1.00	5.00	1.53	1.58	1.28	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	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	129.54	133.58	133.58	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72

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 – IID, O.H.R – 12

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

Date of Testing: 13.06.2023

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, O.H.R - 12			
				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	7.39	7.41	7.42	7.43
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.1	186.6	186.5	185.5
4	Turbidity (NTU)	1.00	5.00	1.79	1.63	1.38	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	129.54	133.58	133.58	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72

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 – IIG, O.H.R – 18

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

Date of Testing: 14.06.2023

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, O.H.R – 18		
				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	7.17	7.26	7.37
2	Temperature (degree C)	----	----	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.9	185.3	185.4
4	Turbidity (NTU)	1.00	5.00	1.61	1.86	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	129.54	133.58	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	113.36	113.36	113.36
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.71	28.71	28.71
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 C, O.H.R – 13

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

Date of Testing: 27.06.2023

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, O.H.R - 13						
				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	7.20	7.22	7.36	7.32	7.37	7.26	7.39
2	Temperature (degree C)	----	----	25.9	26.8	26.8	26.2	26.4	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.1	172.6	172.7	172.2	172.0	172.0	171.9
4	Turbidity (NTU)	1.00	5.00	1.46	1.78	1.70	1.99	1.92	1.55	1.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.4	0.3	0.2	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	122.38	122.38	122.38	126.60	126.60	126.60	122.38
8	Total Alkalinity (mg/L)	200.00	600.00	102.24	106.50	106.50	106.50	106.50	106.50	102.24
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	26.40	28.29	28.29	28.29	28.29	28.29	26.40
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 – II D, O.H.R – 11

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

Date of Testing: 27.06.2023

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, O.H.R - 11			
				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	7.38	7.42	7.36	7.41
2	Temperature (degree C)	----	----	25.8	25.7	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.6	171.0	171.4	170.7
4	Turbidity (NTU)	1.00	5.00	1.77	1.80	1.81	1.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.1
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	126.60	126.60
8	Total Alkalinity (mg/L)	200.00	600.00	106.50	106.50	106.50	102.24
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	28.29	28.29	28.29	28.29
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, O.H.R – 12

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

Date of Testing: 27.06.2023

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, O.H.R - 12			
				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	7.29	7.28	7.39	7.42
2	Temperature (degree C)	----	----	26.5	26.2	26.0	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.4	173.1	172.6	171.5
4	Turbidity (NTU)	1.00	5.00	1.87	1.49	1.44	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	122.38	122.38	126.60	126.60
8	Total Alkalinity (mg/L)	200.00	600.00	106.50	106.50	106.50	106.50
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	28.29	28.29	28.29	28.29
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 – II A, O.H.R – 17

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

Date of Testing: 30.06.2023

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, O.H.R – 17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.83	7.80
2	Temperature (degree C)	----	----	26.7	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.9	164.1	163.5
4	Turbidity (NTU)	1.00	5.00	1.65	1.23	1.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	118.16	118.16	118.16
8	Total Alkalinity (mg/L)	200.00	600.00	93.72	93.72	93.72
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	22.63	22.63
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 – IIB, O.H.R – 15

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

Date of Testing: 30.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R – 15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.72	7.74	7.76	7.69	7.68	7.72	7.73	7.68
2	Temperature (degree C)	----	----	26.9	26.8	26.9	26.9	26.8	26.7	26.7	26.7
3	Total Dissolved Solid (mg/L)	500	2000	168.0	165.6	165.4	162.5	162.5	161.9	161.3	162.8
4	Turbidity (NTU)	1.00	5.00	1.81	1.32	1.54	1.30	1.40	1.68	1.64	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.1	0.3	0.2	0.1	0.1	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	122.38	118.16	118.16	118.16	118.16	118.16	118.16	122.38
8	Total Alkalinity (mg/L)	200.00	600.00	93.72	93.72	93.72	93.72	93.72	93.72	93.72	93.72
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	1000	22.63	22.63	22.63	22.63	22.63	22.63	22.63	22.63
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.