

**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' 2023**

ACTION AREA – I
(APRIL' 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)

Date of Testing: 04.04.2023

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	AD-26	AC - 110
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.49	7.51	7.50	7.52	7.54	7.53	7.55
2	Temperature(degree C)	----	----	26.1	26.2	26.2	26.2	26.2	26.2	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	207	206	206	206	207	206	206
4	Turbidity (NTU)	1.00	5.00	1.57	1.65	1.61	1.22	1.69	1.35	1.26	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.1	0.2	0.3	0.2	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	154.43	158.50	158.50	158.50	158.50	158.50	158.50	154.43
8	Total Alkalinity (mg/L)	200.00	600.00	138.60	138.60	138.60	138.60	138.60	138.60	138.60	138.60

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
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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: 05.04.2023

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-232
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.36	7.39	7.42	7.45	7.47	7.46
2	Temperature(degree C)	----	----	26.0	26.0	26.1	26.1	26.1	26.0	26.2
3	Total Dissolved Solid.	500.00	2000.00	208	209	208	209	209	208	209
4	Turbidity, (NTU)	1.00	5.00	1.83	1.82	1.92	1.66	1.88	1.87	1.86
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.4	0.1	0.2	0.2	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	162.56	166.62	162.56	162.56	162.56	162.56	162.56
8	Total Alkalinity, (mg/L)	200.00	600.00	138.60	138.60	138.60	138.60	138.60	138.60	138.60
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	24.70	24.70	24.70	24.70	24.70	24.70	24.70
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: 05.04.2023

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	7.58	7.54	7.51	7.55	7.56	7.58
2	Temperature(degree C)	----	----	26.2	26.1	26.1	26.1	26.0	26.1
3	Total Dissolved Solid.	500.00	2000.00	207	209	208	209	208	208
4	Turbidity (NTU)	1.00	5.00	1.98	1.87	1.96	1.84	1.87	1.97
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.1	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	162.56	162.56	162.56	158.50	158.50	162.56
8	Total Alkalinity. (mg/L)	200.00	600.00	138.60	138.60	138.60	138.60	138.60	138.60
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	24.70	24.70	24.70	24.70	24.70	24.70
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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 06.04.2023

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	7.64	7.63	7.64	7.66
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	208	208	209	208
4	Turbidity (NTU)	1.00	5.00	1.84	1.63	1.85	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	158.50	158.50	158.50	158.50
8	Total Alkalinity (mg/L)	200.00	600.00	130.20	130.20	130.20	130.20

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

Sd/-
Assistant Engineer
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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: 17.04.2023

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	7.61	7.60	7.63	7.66
2	Temperature(degree C)	----	----	26.5	26.5	26.6	26.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	206	207	206	206
4	Turbidity, (NTU)	1.00	5.00	1.81	1.97	1.79	1.87
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	155.23	155.23	155.23	155.23
8	Total Alkalinity, (mg/L)	200.00	600.00	135.68	135.68	135.68	135.68
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	26.80	26.80	26.80	26.80
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.

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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: 17.04.2023

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	7.64	7.63	7.63	7.62	7.61
2	Temperature(degree C)	----	----	26.5	26.4	26.4	26.3	26.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	205	205	206	206	206
4	Turbidity, (NTU)	1.00	5.00	1.71	1.67	1.84	1.59	1.93
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.3	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	155.23	155.23	155.23	155.23	155.23
8	Total Alkalinity, (mg/L)	200.00	600.00	135.68	135.68	135.68	135.68	135.68
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	26.80	26.80	26.80	26.80	26.80
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.

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

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

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

Date of Testing: 18.04.2023

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	BD-88	BD-96
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.51	7.50	7.52	7.54	7.56	7.60	7.63
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	205	206	205	205	203	204
4	Turbidity (NTU)	1.00	5.00	1.73	1.44	1.30	1.95	1.71	1.23	1.88	1.55
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.1	0.3	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	150.52	154.58	150.52	150.52	150.52	150.52	150.52	150.52
8	Total Alkalinity (mg/L)	200.00	600.00	136.32	136.32	136.32	136.32	136.32	136.32	136.32	136.32

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

TEST REPORT: ACTION AREA –I

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

Date of Testing: 19.04.2023

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	7.70	7.69	7.64	7.65
2	Temperature(degree C)	----	----	25.3	25.4	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	205	206	205
4	Turbidity (NTU)	1.00	5.00	1.84	1.88	1.95	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	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	150.52	150.52	150.52	150.52
8	Total Alkalinity (mg/L)	200.00	600.00	136.32	136.32	136.32	136.32
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	26.80	26.80	26.80	26.80
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

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.

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

TEST REPORT: ACTION AREA - I, O.H.R – VI
 Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 20.04.2023

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 /1/A/97	CE-74	CE-76
A. Physico - Chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.68	7.67	7.72	7.71	7.71
2	Temperature(degree C)	----	----	26.7	26.8	26.9	26.8	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	206	206	206	206	206
4	Turbidity (NTU)	1.00	5.00	1.90	1.83	1.55	1.21	1.67	1.23
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	150.52	150.52	150.52	150.52	150.52	150.52
8	Total Alkalinity (mg/L)	200.00	600.00	136.32	136.32	136.32	136.32	136.32	136.32

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
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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: 20.04.2023

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	A/1/C/28	AL/1/C/6	AL/1/C/40	AI/153/18	AL-11
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.63	7.64	7.71	7.66	7.66	7.71
2	Temperature(degree C)	----	----	26.8	26.9	26.8	26.8	26.9	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	206	206	206	207	207	205
4	Turbidity, (NTU)	1.00	5.00	1.95	1.88	1.54	1.97	1.63	1.64	1.51
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.3	0.2	0.3	0.1	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	154.58	154.58	154.58	154.58	150.52	150.52	150.52
8	Total Alkalinity, (mg/L)	200.00	600.00	136.32	136.32	136.32	136.32	136.32	136.32	136.32

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 – V

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

Date of Testing: 27.04.2023

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	CC-08	CA-66
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.48	7.52	7.54	7.58	7.59	7.61
2	Temperature(degree C)	----	----	26.1	26.0	26.0	26.0	26.0	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	204	204	204	203	204	204
4	Turbidity (NTU)	1.00	5.00	1.83	1.89	1.77	1.81	1.76	1.66	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.2	0.1	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	150.52	150.52	150.52	150.52	146.45	150.52	150.52
8	Total Alkalinity (mg/L)	200.00	600.00	140.58	140.58	136.32	136.32	140.58	140.58	140.58
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	1000	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	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 - II

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

Date of Testing: 27.04.2023

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	AE - 109	AB-72	AB-13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.60	7.63	7.61	7.62	7.63
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	204	203	203	204
4	Turbidity (NTU)	1.00	5.00	1.73	1.86	1.94	1.97	1.86	1.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	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	146.45	146.45	150.52	146.45	146.45	146.45
8	Total Alkalinity (mg/L)	200.00	600.00	140.58	140.58	140.58	140.58	140.58	140.58
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	26.80	26.80	26.80	26.80	26.80	26.80
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
(APRIL' 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: 06.04.2023

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.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.65	7.66
2	Temperature (degree C)	----	----	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	208	208	208
4	Turbidity (NTU)	1.00	5.00	1.98	1.87	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	158.50	158.50	158.50
8	Total Alkalinity (mg/L)	200.00	600.00	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.

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: 06.04.2023

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	7.59	7.62	7.63	7.59	7.55	7.48	7.49	7.53
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	209	211	210	210	210	210	209	209
4	Turbidity (NTU)	1.00	5.00	1.83	1.91	1.96	1.98	1.82	1.95	1.84	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4	0.3	0.2	0.4	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	154.43	158.50	158.50	158.50	158.50	158.50	158.50	158.50
8	Total Alkalinity (mg/L)	200.00	600.00	130.20	130.20	130.20	130.20	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.

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: 13.04.2023

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	7.59	7.60	7.62	7.67	7.65	7.66	7.68
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.2	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	207	208	208	207	207	208	207
4	Turbidity (NTU)	1.00	5.00	1.82	1.71	1.69	1.84	1.97	1.50	1.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.2	0.1	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	150.37	150.37	150.37	150.37	150.37	150.37	150.37
8	Total Alkalinity (mg/L)	200.00	600.00	134.40	134.40	134.40	134.40	134.40	134.40	134.40

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: 13.04.2023

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	7.65	7.69	7.71	7.72
2	Temperature (degree C)	----	----	26.3	26.2	26.1	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	207	207	207
4	Turbidity (NTU)	1.00	5.00	1.93	1.82	1.85	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	146.30	146.30	146.30	146.30
8	Total Alkalinity (mg/L)	200.00	600.00	134.40	134.40	134.40	134.40

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: 13.04.2023

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	7.59	7.56	7.58	7.61
2	Temperature (degree C)	----	----	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	208	207	207	207
4	Turbidity (NTU)	1.00	5.00	1.92	1.78	1.81	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	150.37	150.37	150.37	150.37
8	Total Alkalinity (mg/L)	200.00	600.00	134.40	134.40	134.40	134.40

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: 17.04.2023

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	7.58	7.53	7.59
2	Temperature (degree C)	----	----	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	205
4	Turbidity (NTU)	1.00	5.00	1.67	1.80	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	155.23	155.23	155.23
8	Total Alkalinity (mg/L)	200.00	600.00	135.68	135.68	135.68
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.80	26.80	26.80
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, O.H.R – 17

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

Date of Testing: 19.04.2023

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.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.67	7.68
2	Temperature (degree C)	----	----	25.4	25.4	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	206	206
4	Turbidity (NTU)	1.00	5.00	1.93	1.92	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	150.52	150.52	150.52
8	Total Alkalinity (mg/L)	200.00	600.00	144.84	144.84	144.84
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.80	26.80	26.80
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: 19.04.2023

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	7.52	7.53	7.57	7.60	7.60	7.62	7.63	7.65
2	Temperature (degree C)	----	----	25.8	25.7	25.7	25.7	25.7	25.6	25.6	25.6
3	Total Dissolved Solid (mg/L)	500	2000	205	205	207	206	206	206	207	205
4	Turbidity (NTU)	1.00	5.00	1.88	1.89	1.87	1.96	1.97	1.83	1.86	1.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.1	0.2	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	146.45	146.45	150.52	150.52	150.52	146.45	146.45	146.45
8	Total Alkalinity (mg/L)	200.00	600.00	144.84	144.84	144.84	144.84	144.84	144.84	144.84	144.84
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	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	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 – II C, O.H.R – 13

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

Date of Testing: 26.04.2023

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	7.39	7.41	7.47	7.51	7.52	7.51	7.53
2	Temperature (degree C)	----	----	26.1	26.0	26.0	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	207	207	206	205	205	205	204
4	Turbidity (NTU)	1.00	5.00	1.81	1.85	1.92	1.88	1.83	1.93	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.4	0.2	0.1	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	150.52	150.52	146.45	146.45	146.45	146.45	146.45
8	Total Alkalinity (mg/L)	200.00	600.00	136.32	136.32	140.58	140.58	140.58	140.58	140.58
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	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	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: 26.04.2023

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	7.58	7.61	7.62	7.63
2	Temperature (degree C)	----	----	26.1	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	204	205
4	Turbidity (NTU)	1.00	5.00	1.86	1.84	1.91	1.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	146.45	146.45	146.45	146.45
8	Total Alkalinity (mg/L)	200.00	600.00	140.58	140.58	136.32	136.32
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	26.80	26.80	26.80	26.80
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: 26.04.2023

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	7.53	7.56	7.57	7.59
2	Temperature (degree C)	----	----	26.0	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	205	205
4	Turbidity (NTU)	1.00	5.00	1.92	1.85	1.99	1.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	146.45	146.45	146.45	146.45
8	Total Alkalinity (mg/L)	200.00	600.00	136.32	140.58	140.58	140.58
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	26.80	26.80	26.80	26.80
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.