

**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
MARCH' 2024**

ACTION AREA – I
(MARCH' 2024)

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 – VI

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

Date of Testing: 04.03.2024

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/I/B/76	CE/I/B/84
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.64	7.61	7.60	7.62	7.66	7.64	7.62
2	Temperature(degree C)	----	----	25.4	25.4	25.3	25.3	25.3	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.4	195.4	195.8	194.9	195.4	194.9	195.6	194.7
4	Turbidity (NTU)	1.00	5.00	1.59	1.64	1.75	1.45	1.29	1.31	1.28	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	0.4	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	144.72	144.72	144.72	144.72	144.72	144.72	144.72	148.74
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	151.20	146.88	151.20	151.20	151.20	151.20	151.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40	24.52	26.40	26.40	26.40	26.40
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 04.03.2024

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	AI/153/23	AL/1/C/40	AI/153/18	AI-54
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.61	7.63	7.62	7.64	7.65	7.67
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.6	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.5	195.5	195.1	196.4	197.3	195.9	195.8
4	Turbidity, (NTU)	1.00	5.00	1.34	1.37	1.60	1.49	1.46	1.61	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.3	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	144.72	140.70	144.72	144.72	144.72	144.72	144.72
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	146.88	146.88	146.88	151.20	151.20	151.20
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	26.40	24.52	24.52	24.52	24.52	24.52
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: 06.03.2024

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-134	AE-146
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.67	7.65	7.68	7.70	7.69	7.65	7.68
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.3	26.4	26.3	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.1	199.5	199.8	199.2	199.8	199.5	199.6	199.3
4	Turbidity (NTU)	1.00	5.00	1.53	1.50	1.37	1.24	1.48	1.61	1.36	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2	0.3	0.2	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	148.74	148.74	148.74	148.74	148.74	152.76	148.74	152.76
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	155.52	151.20	155.20	151.20	155.20	155.20	155.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29	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	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: ACTION AREA -I, O.H.R - I

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

Date of Testing: 07.03.2024

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	AD-21
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.80	7.81	7.83	7.85	7.86
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.7	199.3	200	199.9	200	199.7
4	Turbidity (NTU)	1.00	5.00	1.24	1.56	1.60	1.39	1.57	1.48
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.1	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	136.68	136.68	140.70	140.70	140.70	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	146.8	146.88	146.88	146.88	146.88	146.88
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 - IV

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

Date of Testing: 07.03.2024

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	BB-50	BC-105	SNEHODIYA
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.91	7.90	7.89	7.92	7.91
2	Temperature(degree C)	----	----	26.2	26.2	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	200	201	199.9	199.8	200	201
4	Turbidity (NTU)	1.00	5.00	1.36	1.34	1.10	1.40	1.47	1.48
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.3	0.3	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	136.68	136.68	140.70	140.70	140.70	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	146.88	146.88	146.88	146.88
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 – VI
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 11.03.2024

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-197	CE/1/C/52
A. Physico - Chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.60	7.62	7.64	7.65	7.63	7.66
2	Temperature(degree C)	----	----	26.4	26.4	26.3	26.3	26.3	26.4	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	205	205	205	205	205
4	Turbidity (NTU)	1.00	5.00	1.30	1.32	1.34	1.45	1.39	1.49	1.32
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4	0.3	0.2	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	136.68	136.68	140.70	140.70	140.70	140.70	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	151.20	151.20	155.52	155.52	151.20	151.20

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 – I, O.H.R – III

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

Date of Testing: 11.03.2024

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/I/C/28	A/I/C/9	AL/I/C/40	AI/153/18	AL-11	AL/I/C/6
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.55	7.53	7.51	7.53	7.52	7.56	7.59
2	Temperature(degree C)	----	----	26.3	26.3	26.2	26.2	26.2	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	205	206	203	207	206	206	206
4	Turbidity, (NTU)	1.00	5.00	1.27	1.05	1.14	1.12	0.86	0.89	1.24	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.3	0.2	0.2	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	140.70	136.68	140.70	140.70	140.70	140.70	144.72	144.72
8	Total Alkalinity, (mg/L)	200.00	600.00	155.52	155.52	155.52	155.52	155.52	151.20	155.52	151.20

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 – I, O.H.R – X

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

Date of Testing: 12.03.2024

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	CHITTARANJAN NATIONAL CANCER INSTITUTE
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.67	7.71	7.70
2	Temperature(degree C)	----	----	26.1	26.1	26.2	26.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	203	205	205	205
4	Turbidity, (NTU)	1.00	5.00	1.71	1.60	1.65	1.78
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	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	140.70	144.72	144.72	144.72
8	Total Alkalinity, (mg/L)	200.00	600.00	151.20	151.20	146.88	151.20
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	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 – I, O.H.R – IX
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 12.03.2024

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	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.63	7.65	7.63	7.60
2	Temperature(degree C)	----	----	26.3	26.3	26.4	26.4	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	204	204	204	204	203
4	Turbidity, (NTU)	1.00	5.00	1.36	1.68	1.71	1.59	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	140.70	140.70	144.72	144.72	144.72
8	Total Alkalinity, (mg/L)	200.00	600.00	151.20	151.20	146.88	151.20	151.20
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29	28.29	30.18	28.29
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)

Date of Testing: 13.03.2024

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-231
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.70	7.72	7.71	7.70	7.69	7.65
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.3	26.4	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	204	204	203	204	203	202	202
4	Turbidity, (NTU)	1.00	5.00	1.63	1.69	1.70	1.74	1.72	1.81	1.85
5	Residual Free Chlorine	0.20	1.00	0.8	0.4	0.3	0.1	0.3	0.1	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	144.72	144.72	148.74	144.72	148.74	144.72	148.74
8	Total Alkalinity, (mg/L)	200.00	600.00	151.20	155.52	155.52	155.52	155.52	155.52	155.52

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – I. O.H.R – VIII

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

Date of Testing: 13.03.2024

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	7.76	7.75	7.76	7.73	7.70	7.72
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	203	203	204	204	203	203
4	Turbidity. (NTU)	1.00	5.00	1.63	1.35	1.71	1.55	1.75	1.69
5	Residual Free Chlorine	0.20	1.00	0.2	0.3	0.2	0.3	0.2	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	144.72	144.72	144.72	144.72	144.72	144.72
8	Total Alkalinity. (mg/L)	200.00	600.00	151.20	155.52	155.52	155.52	155.52	155.52

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, O.H.R - II

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

Date of Testing: 14.03.2024

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-135	AE-64
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.73	7.70	7.71	7.73	7.79	7.75	7.76
2	Temperature(degree C)	----	----	26.1	26.1	26.0	26.2	26.2	26.2	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	204	204	204	204	204	204	204
4	Turbidity (NTU)	1.00	5.00	1.39	1.28	1.02	1.10	1.13	1.42	1.29	1.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.3	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	136.68	140.70	140.70	144.72	136.68	140.70	140.70	140.70
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	151.20	151.20	151.20	151.20	151.20	151.20

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: ACTION AREA -I, O.H.R - I

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

Date of Testing: 15.03.2024

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	AC-190	AC-191
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.70	7.72	7.70	7.71	7.72	7.73	7.76
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.1	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	208	207	208	203	205	206	206	206
4	Turbidity (NTU)	1.00	5.00	1.38	1.49	1.29	1.43	1.33	1.65	1.35	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	136.68	136.68	136.68	140.70	136.68	140.70	140.70	140.70
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	146.88	151.20	151.20	151.20	151.20	151.20	151.20

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: ACTION AREA –I

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

Date of Testing: 19.03.2024

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.64	7.63
2	Temperature (degree C)	----	----	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.7	193.5	193.9
4	Turbidity (NTU)	1.00	5.00	1.42	1.62	1.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	152.60	152.60	156.62
8	Total Alkalinity (mg/L)	200.00	600.00	154.00	149.60	149.60
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.50	28.50	26.60
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

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

Date of Testing: 22.03.2024

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-197	CE/1/B/84
A. Physico - Chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.65	7.63	7.63	7.62	7.60	7.61
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.0	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.0	191.1	191.3	190.7	190.8	190.5	190.8
4	Turbidity (NTU)	1.00	5.00	1.40	1.43	1.51	1.60	1.47	1.75	1.55
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.4	0.4	0.3	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	152.61	156.62	156.62	156.62	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	158.40	154.00	154.00	149.60	149.60	149.60	149.60

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
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: 22.03.2024

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/2	AL/1/C/40	AI/153/18
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.60	7.61	7.65	7.64	7.62
2	Temperature(degree C)	----	----	25.9	25.9	25.8	25.8	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.0	189.3	190.4	190.0	190.5	190.2
4	Turbidity, (NTU)	1.00	5.00	1.09	1.12	1.67	1.45	1.61	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.3	0.2	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	152.61	152.61	152.61	156.62	152.61	152.61
8	Total Alkalinity, (mg/L)	200.00	600.00	154.00	154.00	149.60	149.60	149.60	149.60

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

Date of Testing: 27.03.2024

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	CHITTARANJAN NATIONAL CANCER INSTITUTE
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.60	7.59	7.58
2	Temperature(degree C)	----	----	24.1	24.1	24.0	24.0
3	Total Dissolved Solid(mg/L)	500.00	2000.00	192.2	193.0	192.8	191.8
4	Turbidity, (NTU)	1.00	5.00	1.60	1.67	1.72	1.70
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	152.61	156.62	156.62	152.61
8	Total Alkalinity, (mg/L)	200.00	600.00	154.00	149.60	149.60	149.60

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

Date of Testing: 27.03.2024

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	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.60	7.61	7.62	7.63
2	Temperature(degree C)	----	----	24.1	24.1	24.2	24.3	24.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	191.3	191.7	191.4	191.1	190.9
4	Turbidity, (NTU)	1.00	5.00	1.46	1.55	1.61	1.57	1.60
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	152.61	148.59	152.61	156.62	152.61
8	Total Alkalinity, (mg/L)	200.00	600.00	145.20	149.60	149.60	149.60	145.20

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: ACTION AREA - I, O.H.R – V

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

Date of Testing: 28.03.2024

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-51
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.50	7.53	7.55	7.58	7.57	7.56
2	Temperature(degree C)	----	----	26.3	26.3	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.1	188.2	188.5	189.2	189.2	189.2	188.7
4	Turbidity (NTU)	1.00	5.00	1.68	1.50	1.47	1.62	1.46	1.68	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.2	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	152.61	152.61	148.59	148.59	148.59	152.61	148.59
8	Total Alkalinity (mg/L)	200.00	600.00	149.60	149.60	149.60	149.60	149.60	149.60	149.60
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	26.60	26.60	28.50	28.50	28.50	28.50	28.50
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.

ACTION AREA – II
(MARCH' 2024)

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: 01.03.2024

	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	CBD
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.61	7.60	7.58
2	Temperature (degree C)	----	----	25.6	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.4	195.2	195.5	195.4
4	Turbidity (NTU)	1.00	5.00	1.98	1.67	1.57	1.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	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	144.72	144.72	144.72	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	151.20	155.52	155.52

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: 01.03.2024

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	MALANCHHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.45	7.46	7.45	7.43	7.50	7.55	7.57
2	Temperature (degree C)	----	----	25.4	25.4	25.3	25.3	25.3	25.3	25.4	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.6	197.3	196.4	196.1	196.6	195.9	196.6	195.7
4	Turbidity (NTU)	1.00	5.00	1.82	1.84	1.63	1.60	1.73	1.62	1.57	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.4	0.2	0.2	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	140.70	140.70	144.72	144.72	144.72	144.72	144.72	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	155.52	155.52	151.20	155.52	155.52	155.52

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: 12.03.2024

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.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.61
2	Temperature (degree C)	----	----	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203
4	Turbidity (NTU)	1.00	5.00	1.87	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	140.70	140.70
8	Total Alkalinity (mg/L)	200.00	600.00	155.52	155.52
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29
C. Bacteriological Test Results:					
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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: 19.03.2024

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.	HAZ TOWER	CBD
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.68	7.70	7.71
2	Temperature (degree C)	----	----	26.0	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.4	193.7	193.4	193.8
4	Turbidity (NTU)	1.00	5.00	1.68	1.70	1.35	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	152.61	152.61	152.61	156.62
8	Total Alkalinity (mg/L)	200.00	600.00	154.00	154.00	154.00	149.60
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	28.50	28.50	26.60	26.60
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 – IIB, O.H.R – 15

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

Date of Testing: 19.03.2024

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R – 15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	PLOT-1683	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	7.65	7.66	7.63	7.64	7.62	7.65	7.63	7.65
2	Temperature (degree C)	----	----	26.0	26.0	26.1	26.1	26.1	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500	2000	194.7	195.0	193.8	194.0	195.0	195.2	193.7	194.7
4	Turbidity (NTU)	1.00	5.00	1.32	1.45	1.34	1.31	1.47	1.23	1.56	1.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.4	0.2	0.2	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	148.59	152.61	152.61	156.62	152.61	156.62	156.62	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	154.00	154.00	154.00	154.00	149.60	154.00	154.00	149.60
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.50	28.50	26.60	26.60	26.60	28.50	26.60	26.60
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 – IIC, O.H.R – 13

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

Date of Testing: 21.03.2024

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	7.71	7.70	7.72	7.73	7.70	7.69	7.68
2	Temperature (degree C)	----	----	26.0	26.0	26.0	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.8	192.0	191.2	191.6	191.4	191.5	191.4
4	Turbidity (NTU)	1.00	5.00	1.38	1.21	1.55	1.04	1.08	1.66	1.24
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.3	0.2	0.1	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	152.61	152.61	156.62	156.62	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	149.60	149.60	149.60	149.60	149.60	145.20	145.20
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	26.60	26.60	24.70	24.70	24.70	26.60	26.60
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: 21.03.2024

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	7.67	7.68	7.69	7.68
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.4	190.9	191.1	191.0
4	Turbidity (NTU)	1.00	5.00	1.40	1.46	1.10	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	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	152.61	152.61	152.61	156.62
8	Total Alkalinity (mg/L)	200.00	600.00	154.00	154.00	154.00	156.62
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	28.50	28.50	26.60	26.60
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: 21.03.2024

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.	GREEN FIELD AMBITION
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.68	7.70
2	Temperature (degree C)	----	----	26.1	26.1	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.2	191.6	191.5
4	Turbidity (NTU)	1.00	5.00	1.41	1.44	1.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	156.62	156.62	156.62
8	Total Alkalinity (mg/L)	200.00	600.00	149.60	149.60	149.60
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.60	26.60	26.60
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 – IIG, O.H.R – 18

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

Date of Testing: 27.03.2024

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.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.57
2	Temperature (degree C)	----	----	24.3	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.4	190.1
4	Turbidity (NTU)	1.00	5.00	1.70	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	154.00	154.00

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.**