

**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
JANUARY' 2024**

ACTION AREA – I
(JANUARY' 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 - I

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

Date of Testing: 02.01.2024

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	AA-154	AA-143
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.28	7.29	7.30	7.33	7.35	7.34	7.36
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.8	182.1	182.5	182.7	182.5	182.5	182.1	182.3
4	Turbidity (NTU)	1.00	5.00	1.66	1.52	1.41	1.68	1.71	1.81	1.65	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2	0.3	0.3	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	165.15	161.12	161.12	161.12	161.12	165.15	161.12	161.12
8	Total Alkalinity (mg/L)	200.00	600.00	147.70	147.70	147.70	143.98	143.98	143.98	143.98	143.98

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: ACTION AREA - I, O.H.R – VI

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

Date of Testing: 03.01.2024

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.	CE-121	CE /1/C/97	CE -74
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.40	7.42	7.44	7.45
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.7	183.0	182.6	182.4	182.9
4	Turbidity (NTU)	1.00	5.00	1.97	1.99	1.70	1.10	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	165.15	169.18	169.18	165.15	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	139.26	143.48	139.26	139.26	139.26
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	22.80	20.90	22.80	22.80	20.90
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
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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: 03.01.2024

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	SNEHODIYA
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.38	7.37	7.40	7.39
2	Temperature(degree C)	----	----	23.5	23.5	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.1	182.5	182.6	182.6	182.9
4	Turbidity (NTU)	1.00	5.00	1.49	1.31	1.64	1.42	1.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	169.18	165.15	161.12	169.18	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	139.26	143.48	139.26	143.48	148.48
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	24.70	24.70	22.80	22.80	22.80
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 , U.G.R-UNDERGROUND 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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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: 04.01.2024

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	7.30	7.35	7.37	7.36
2	Temperature(degree C)	----	----	23.4	23.4	23.3	23.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	183.0	184.0	183.7	183.5
4	Turbidity, (NTU)	1.00	5.00	1.47	1.35	1.39	1.40
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	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	169.18	169.18	165.15	165.15
8	Total Alkalinity, (mg/L)	200.00	600.00	143.48	139.26	143.48	143.48
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	22.80	24.70	22.80	22.80
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
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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: 04.01.2024

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	7.61	7.57	7.55	7.36	7.37
2	Temperature(degree C)	----	----	23.4	23.4	23.3	23.3	23.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	183.5	183.6	183.0	183.7	183.5
4	Turbidity, (NTU)	1.00	5.00	1.20	1.31	1.35	1.46	1.63
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.4	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	165.15	165.15	169.18	161.12	161.12
8	Total Alkalinity, (mg/L)	200.00	600.00	143.48	143.48	143.48	139.26	139.26
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	22.80	22.80	24.70	24.70	24.70
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 05.01.2024

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.49	7.51
2	Temperature(degree C)	----	----	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.3	183.9	183.8
4	Turbidity (NTU)	1.00	5.00	1.12	0.71	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	169.18	165.15	165.15
8	Total Alkalinity (mg/L)	200.00	600.00	143.48	135.04	139.26

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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – VII

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

Date of Testing: 05.01.2024

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	DF-94	DC-248	DC-237
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.42	7.40	7.39	7.38	7.30
2	Temperature(degree C)	----	----	23.2	23.2	23.3	23.2	23.2	23.3
3	Total Dissolved Solid.	500.00	2000.00	183.7	184.1	184.1	184.0	184.1	184.2
4	Turbidity, (NTU)	1.00	5.00	1.16	1.19	1.21	1.36	1.50	1.23
5	Residual Free Chlorine	0.20	1.00	0.6	0.4	0.4	0.2	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	165.15	165.15	169.18	161.12	169.18	169.18
8	Total Alkalinity, (mg/L)	200.00	600.00	147.70	147.70	143.48	143.48	143.48	143.48

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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**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 – VIII

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

Date of Testing: 05.01.2024

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-51	DC-23	DA-88	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.32	7.30	7.29	7.35	7.36
2	Temperature (degree C)	----	----	23.3	23.2	23.3	23.3	23.3	23.2
3	Total Dissolved Solid.	500.00	2000.00	184.6	184.5	184.6	184.4	184.5	183.8
4	Turbidity. (NTU)	1.00	5.00	1.37	1.61	1.51	1.38	1.61	1.18
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.3	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	169.18	165.15	169.18	169.18	169.18	169.18
8	Total Alkalinity. (mg/L)	200.00	600.00	147.70	143.48	143.48	139.26	139.26	139.26

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, O.H.R – V

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

Date of Testing: 10.01.2024

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-40
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.65	7.63	7.65	7.66	7.61	7.60
2	Temperature(degree C)	----	----	23.2	23.2	23.3	23.3	23.3	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.1	189.0	189.0	189.5	189.7	190.5	188.8
4	Turbidity (NTU)	1.00	5.00	1.77	1.69	1.50	1.83	1.89	1.81	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.2	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	169.18	173.20	169.18	169.18	165.15	165.15	165.15
8	Total Alkalinity (mg/L)	200.00	600.00	147.70	147.70	139.26	143.48	139.26	143.48	139.26
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	22.80	24.70	24.70	22.80
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 10.01.2024

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	DC-14	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.62	7.63	7.63	7.63	7.62
2	Temperature (degree C)	----	----	23.3	23.4	23.4	23.4	23.4	23.4
3	Total Dissolved Solid.	500.00	2000.00	188.6	188.8	189.1	189.0	189.2	189.4
4	Turbidity (NTU)	1.00	5.00	1.47	1.76	1.81	1.51	1.61	1.65
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	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	173.20	169.18	169.18	169.18	173.20	165.15
8	Total Alkalinity. (mg/L)	200.00	600.00	143.48	147.70	143.48	143.48	139.26	139.26
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	26.60	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.

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: 11.01.2024

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-80	AE-68
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.35	7.34	7.36	7.32	7.35	7.34	7.36
2	Temperature(degree C)	----	----	23.1	23.1	23.2	23.2	23.1	23.1	23.3	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.2	190.3	190.2	190.4	190.2	190.3	190.0	190.2
4	Turbidity (NTU)	1.00	5.00	1.73	1.77	1.81	1.79	1.68	1.65	1.71	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.3	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	173.20	173.20	177.23	177.23	177.23	177.23	177.23	177.23
8	Total Alkalinity (mg/L)	200.00	600.00	143.48	147.70	139.26	139.26	143.48	139.26	139.26	143.48

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: 17.01.2024

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	7.60	7.61
2	Temperature(degree C)	----	----	23.2	23.2	23.3	23.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	193.4	194.0	195.2	195.4
4	Turbidity, (NTU)	1.00	5.00	1.85	1.87	1.62	1.66
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.3	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	173.20	177.23	173.20	173.20
8	Total Alkalinity, (mg/L)	200.00	600.00	141.90	146.20	141.90	141.90

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: 17.01.2024

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	7.61	7.60	7.61	7.62
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.3	23.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	195.8	195.3	195.4	195.7	195.5
4	Turbidity, (NTU)	1.00	5.00	1.97	1.27	1.76	1.62	1.97
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	173.20	177.23	177.23	177.23	177.23
8	Total Alkalinity, (mg/L)	200.00	600.00	141.90	141.90	141.90	146.20	146.20

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 - II

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

Date of Testing: 18.01.2024

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-52
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.30	7.32	7.35	7.37	7.36	7.38
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.2	23.2	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.1	196.3	197.3	197.2	197.3	197.1	197.7
4	Turbidity (NTU)	1.00	5.00	1.90	1.78	1.55	1.40	1.88	1.94	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2	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	173.20	173.20	173.20	169.18	169.18	173.20	173.20
8	Total Alkalinity (mg/L)	200.00	600.00	146.20	146.20	146.20	150.50	146.20	146.20	150.50
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	24.51	26.40	26.40	24.51	26.40	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

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: 18.01.2024

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/1/C/6	AL/1/C/40	AI/153/18	AI/153/23	AI-97
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.34	7.31	7.32	7.35	7.37	7.32	7.33
2	Temperature(degree C)	----	----	23.2	23.2	23.3	23.3	23.3	23.3	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	197.1	197.3	197.3	196.3	197.4	197.3	197.4	197.0
4	Turbidity, (NTU)	1.00	5.00	1.97	1.26	1.68	1.25	1.83	1.29	1.84	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2	0.1	0.2	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	173.20	177.23	177.23	177.23	181.26	177.23	177.23	177.23
8	Total Alkalinity, (mg/L)	200.00	600.00	146.20	150.50	150.50	150.50	150.50	150.50	150.50	154.80
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	26.40	28.29	28.29	28.29	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: ACTION AREA - I, O.H.R – V

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

Date of Testing: 22.01.2024

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	CB - 162	CA- 81	CB-08	CA-82	CC-96
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.38	7.39	7.45	7.41	7.40	7.39	7.32
2	Temperature(degree C)	----	----	23.0	23.1	23.2	23.2	23.3	23.3	23.2	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	201	201	201	200	200	201	201
4	Turbidity (NTU)	1.00	5.00	1.16	1.27	1.38	1.42	1.13	1.54	1.31	1.36
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.3	0.3	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	181.26	181.26	185.29	185.29	185.29	181.26	181.26	181.26
8	Total Alkalinity (mg/L)	200.00	600.00	154.80	154.80	150.50	150.50	154.80	154.80	150.50	150.50

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: 25.01.2024

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	AD-24
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.33	7.34	7.32	7.31	7.30	7.35
2	Temperature (degree C)	----	----	23.0	23.1	23.1	23.0	23.0	23.0	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	203	202	203	203	203
4	Turbidity (NTU)	1.00	5.00	1.59	1.97	1.77	1.87	1.96	1.77	1.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2	0.3	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	169.18	173.20	169.18	169.18	169.18	169.18	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	150.50	150.50	150.50	150.50	150.50	150.50	150.50

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 - IV

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

Date of Testing: 25.01.2024

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	BE-17	BB-50	BC-105	BC-130	BB-106
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.29	7.30	7.31	7.29	7.35	7.37	7.35
2	Temperature(degree C)	----	----	23.1	23.1	23.0	23.1	23.0	23.1	23.1	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	202	203	201	203	203	202	203
4	Turbidity (NTU)	1.00	5.00	1.74	1.68	1.73	1.75	1.58	1.72	1.69	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.4	0.2	0.4	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	169.18	173.20	169.18	169.18	169.18	169.18	169.18	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	154.80	154.80	150.50	150.50	150.50	150.50	150.50	150.50

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: 31.01.2024

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	7.28	7.29	7.31
2	Temperature (degree C)	----	----	23.1	23.0	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	203
4	Turbidity (NTU)	1.00	5.00	1.40	1.53	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	157.09	157.09	157.09
8	Total Alkalinity (mg/L)	200.00	600.00	163.40	159.10	159.10
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	26.40	28.29
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: AA – I, O.H.R – VII

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

Date of Testing: 31.01.2024

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	DF - 94	DC-248	DC-174
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.31	7.33	7.34	7.33	7.30
2	Temperature (degree C)	----	----	23.0	23.1	23.1	23.1	23.0	23.0
3	Total Dissolved Solid.	500.00	2000.00	204	203	203	203	203	204
4	Turbidity, (NTU)	1.00	5.00	1.22	1.47	1.32	1.50	1.61	1.78
5	Residual Free Chlorine	0.20	1.00	0.4	0.4	0.4	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	157.09	157.09	161.12	161.12	157.09	161.12
8	Total Alkalinity, (mg/L)	200.00	600.00	159.10	163.40	163.40	163.40	159.10	163.40
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	1000	26.40	26.40	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
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 – VIII
Sub.: Water Testing (Physico-chemical , Chemical & Bacteriological)**

Date of Testing: 31.01.2024

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	7.31	7.32	7.33	7.35	7.37	7.32
2	Temperature (degree C)	----	----	23.1	23.0	23.0	23.1	23.1	23.0
3	Total Dissolved Solid.	500.00	2000.00	203	203	203	202	202	203
4	Turbidity (NTU)	1.00	5.00	1.65	1.81	1.95	1.97	1.89	1.85
5	Residual Free Chlorine	0.20	1.00	0.2	0.3	0.1	0.2	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	157.09	157.09	153.06	157.09	161.12	153.06
8	Total Alkalinity. (mg/L)	200.00	600.00	159.10	159.10	163.40	159.10	159.10	159.10
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	26.40	26.40	28.29	28.29	26.40	26.40
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
(JANUARY' 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 – IIG, O.H.R – 18

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

Date of Testing: 04.01.2024

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	7.39	7.45
2	Temperature (degree C)	----	----	23.5	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.2	183.0
4	Turbidity (NTU)	1.00	5.00	1.62	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	169.18	173.20
8	Total Alkalinity (mg/L)	200.00	600.00	139.26	143.48
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.70	22.80
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 C, O.H.R – 13

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

Date of Testing: 08.01.2024

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	7.20	7.26	7.30	7.32	7.33	7.34	7.35
2	Temperature (degree C)	----	----	23.1	23.1	23.2	23.2	23.2	23.2	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.5	187.1	187.8	187.2	187.6	187.7	186.7
4	Turbidity (NTU)	1.00	5.00	1.85	1.86	1.88	1.87	1.89	1.87	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4	0.4	0.3	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	169.18	169.18	173.20	173.20	165.15	169.18	173.20
8	Total Alkalinity (mg/L)	200.00	600.00	147.70	147.70	143.48	143.48	147.70	143.48	143.48

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: 08.01.2024

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	7.38	7.39	7.38	7.37
2	Temperature (degree C)	----	----	23.4	23.4	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.3	186.6	186.8	186.9
4	Turbidity (NTU)	1.00	5.00	1.79	1.81	1.75	1.73
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	173.20	169.18	169.18	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	143.48	147.70	143.48	143.48

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 D, O.H.R – 12

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

Date of Testing: 08.01.2024

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	7.36	7.38	7.39
2	Temperature (degree C)	----	----	23.3	23.3	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.1	186.6	186.9
4	Turbidity (NTU)	1.00	5.00	1.75	1.91	1.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	169.18	173.20	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	143.48	139.26	143.48

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 A, O.H.R – 17

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

Date of Testing: 09.01.2024

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.	CBD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.40	7.42
2	Temperature (degree C)	----	----	23.2	23.2	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.5	187.6	187.9
4	Turbidity (NTU)	1.00	5.00	1.71	1.77	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	173.20	173.20	177.23
8	Total Alkalinity (mg/L)	200.00	600.00	143.48	143.48	139.26
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.70	24.70	22.80
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: 09.01.2024

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.	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	7.37	7.38	7.32	7.31	7.35	7.37
2	Temperature (degree C)	----	----	23.4	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500	2000	187.8	188.0	187.8	187.6	187.7	187.9
4	Turbidity (NTU)	1.00	5.00	1.92	1.82	1.86	1.56	1.72	1.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	<0.1	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	169.18	169.18	173.20	165.15	169.18	173.20
8	Total Alkalinity (mg/L)	200.00	600.00	147.70	143.48	143.48	147.70	143.48	139.26
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	1000	24.70	24.70	24.70	22.80	24.70	22.80
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.

**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: 17.01.2024

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	7.70	7.72
2	Temperature (degree C)	----	----	23.4	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.9	193.3
4	Turbidity (NTU)	1.00	5.00	1.80	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	173.20	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	150.50	154.80

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 A, O.H.R-17

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

Date of Testing: 19.01.2024

	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.	CBD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.35	7.33
2	Temperature (degree C)	----	----	23.2	23.2	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.6	197.3	197.2
4	Turbidity (NTU)	1.00	5.00	1.52	1.27	1.43
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	173.20	173.20	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	154.80	150.50	146.20

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: 19.01.2024

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	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.25	7.27	7.31	7.30	7.35	7.32	7.30
2	Temperature (degree C)	----	----	23.2	23.3	23.4	23.4	23.4	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	197.7	197.4	197.6	197.2	197.8	197.7	197.5	197.4
4	Turbidity (NTU)	1.00	5.00	1.60	1.74	1.47	1.60	1.21	1.62	1.19	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3	0.2	0.3	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	177.23	173.20	181.26	173.20	173.20	173.20	173.20	173.20
8	Total Alkalinity (mg/L)	200.00	600.00	159.10	154.80	150.50	150.50	154.80	150.50	154.80	150.50

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 & Bacteriological)

Date of Testing: 24.01.2024

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	7.51	7.50	7.49	7.47	7.46	7.47	7.46
2	Temperature (degree C)	----	----	23.0	23.0	23.1	23.1	23.0	23.1	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	202	202	202	202	202	202
4	Turbidity (NTU)	1.00	5.00	1.58	1.71	1.70	1.89	1.91	1.85	1.81
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	173.20	177.23	173.20	169.18	173.20	177.23	173.20
8	Total Alkalinity (mg/L)	200.00	600.00	154.80	154.80	154.80	154.80	150.50	150.50	150.50
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	26.40	28.29	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
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: 24.01.2024

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	7.41	7.40	7.42	7.41
2	Temperature (degree C)	----	----	23.1	23.0	23.0	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	202	202	202
4	Turbidity (NTU)	1.00	5.00	1.82	1.51	1.80	1.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4	0.9
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	177.23	173.20	169.18	169.18
8	Total Alkalinity (mg/L)	200.00	600.00	150.50	150.50	154.80	150.50
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	30.17	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
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II D, O.H.R – 12

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

Date of Testing: 24.01.2024

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	7.45	7.44	7.43
2	Temperature (degree C)	----	----	23.0	23.1	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	202	202
4	Turbidity (NTU)	1.00	5.00	1.71	1.81	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	173.20	177.23	177.23
8	Total Alkalinity (mg/L)	200.00	600.00	159.10	159.10	154.80
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	28.29	28.29
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.