

**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  
JULY' 2023**

**ACTION AREA – I**  
**(JULY' 2023)**

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

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

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

Date of Testing: 03.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VI						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE 11/C/97	CE -74	CE-197	CE-76
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.47	7.46	7.47	7.48	7.45	7.48
2	Temperature(degree C)	----	----	26.8	26.8	26.7	26.6	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	148.2	149.8	150.9	150.7	150.7	150.4	150.8
4	Turbidity (NTU)	1.00	5.00	1.89	1.95	1.81	1.92	1.91	1.72	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	104.52	108.54	104.52	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40
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	22.46	22.46	22.46	22.46	22.46	22.46	22.46
<b>C. Bacteriological Test Results :</b>										
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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 03.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - III					
				INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AI-11	AL/1/C/40	AI/153/18
<b>A. Physico-chemical Test Results :</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.39	7.42	7.43	7.38	7.40
2	Temperature(degree C)	----	----	26.3	26.4	26.4	26.5	26.5	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	150.3	151.1	151.4	150.1	150.3	150.4
4	Turbidity, (NTU)	1.00	5.00	1.79	1.81	1.84	1.76	1.81	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	1.0	0.4	0.1	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>									
7	Total Hardness, (mg/L)	200.00	600.00	104.52	108.54	108.54	108.54	108.54	108.54
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40
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)	250.00	1000.00	22.46	22.46	22.46	22.46	22.46	22.46
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: AA – I, O.H.R – VII**

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

**Date of Testing: 04.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DC-157
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.46	7.49	7.52	7.57	7.61	7.62
2	Temperature(degree C)	----	----	26.7	26.6	26.5	26.6	26.6	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	148.1	148.5	148.6	149.3	148.3	148.0	147.9
4	Turbidity, (NTU)	1.00	5.00	1.88	1.87	1.96	1.87	1.81	1.96	1.96
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.4	0.1	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness, (mg/L)	200.00	600.00	112.56	112.56	112.56	116.58	112.56	112.56	108.54
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40
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	22.46	22.46	22.46	22.46	22.46	22.46	22.46
<b>C .Bacteriological Test Results :</b>										
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.

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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: 04.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.55	7.57	7.58	7.61	7.60
2	Temperature (degree C)	----	----	26.5	26.4	26.4	26.3	26.4	26.5
3	Total Dissolved Solid.	500.00	2000.00	147.3	147.3	148.1	148.0	147.8	148.0
4	Turbidity (NTU)	1.00	5.00	1.87	1.80	1.82	1.84	1.81	1.89
5	Residual Free Chlorine	0.20	1.00	0.4	0.4	0.1	0.3	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness. (mg/L)	200.00	600.00	108.54	108.54	112.56	112.56	108.54	112.56
8	Total Alkalinity. (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40
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)	250.00	1000.00	22.46	22.46	22.46	22.46	22.46	22.46
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

**Date of Testing: 05.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - II							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AB-13	AE-104	AB-109
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.18	7.20	7.21	7.28	7.19	7.25	7.18
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.6	26.6	26.5	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	144.7	145.0	145.2	144.5	145.1	144.6	144.8	144.3
4	Turbidity (NTU)	1.00	5.00	1.90	1.88	1.80	1.83	1.85	1.88	1.90	1.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.1	0.3	0.2	2.0	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	108.54	112.56	108.54	104.52	100.50	104.52	100.50	100.50
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	92.82	97.24	92.82	92.82	97.24	92.82	92.82

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – X

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

Date of Testing: 06.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.34	7.33	7.36
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.3
3	Total Dissolved Solid(mg/L)	500.00	2000.00	141.6	143.1	142.5	142.4
4	Turbidity, (NTU)	1.00	5.00	1.45	1.78	1.66	1.68
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	108.54	104.52	104.52	104.52
8	Total Alkalinity, (mg/L)	200.00	600.00	92.82	97.24	97.24	97.24
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	20.59	20.59	20.59	20.59
<b>C. Bacteriological Test Results :</b>							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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



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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 06.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.36	7.40	7.39	7.41
2	Temperature(degree C)	----	----	26.4	26.5	26.5	26.6	26.5
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	142.9	142.2	142.0	142.7	141.8
4	Turbidity, (NTU)	1.00	5.00	1.88	1.91	1.90	1.92	1.89
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness, (mg/L)	200.00	600.00	104.52	104.52	104.52	108.54	104.52
8	Total Alkalinity, (mg/L)	200.00	600.00	97.24	97.24	97.24	92.82	97.24
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	20.59	20.59	20.59	20.59	20.59
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 07.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - I							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA - 05	AC - 107	AC - 50	AC-186	AC-174
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.19	7.21	7.28	7.31	7.30	7.35	7.41	7.36
2	Temperature (degree C)	----	----	25.6	25.4	25.3	25.3	25.4	25.4	25.5	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.1	138.4	139.8	138.5	139.0	138.6	138.6	138.2
4	Turbidity (NTU)	1.00	5.00	1.63	1.81	1.62	1.82	1.36	1.65	1.45	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	108.54	108.54	108.54	112.56	112.56	112.56	112.56	108.54
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	92.82	92.82	97.24	97.24	97.24	97.24	92.82

O.H.R. - OVER HEAD RESERVOIR

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 11.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BC-144	BC-141
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.27	7.29	7.35	7.31	7.38	7.41	7.40	7.39
2	Temperature(degree C)	----	----	26.1	26.1	26.3	26.3	26.3	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.3	135.5	135.8	135.4	135.2	135.4	135.4	135.2
4	Turbidity (NTU)	1.00	5.00	1.89	1.67	1.95	1.93	1.95	1.82	1.94	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.1	0.2	0.3	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	100.50	104.52	104.52	104.52	100.50	100.50	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	83.98	88.40	88.40	88.40	83.98	83.98	88.40	88.40
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	16.84	16.84	16.84	16.84	16.84	16.84	16.84	16.84
<b>C. Bacteriological Test Results :</b>											
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**

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

**Date of Testing: 11.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.32	7.34	7.32
2	Temperature(degree C)	----	----	25.9	26.1	26.4	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.2	136.3	136.2	135.6
4	Turbidity (NTU)	1.00	5.00	1.85	1.68	1.96	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40
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	16.84	16.84	16.84	16.84
<b>C .Bacteriological Test Results :</b>							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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: 14.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF-94	DC-248	DC-231
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.16	7.18	7.21	7.20	7.28	7.31	7.25
2	Temperature(degree C)	----	----	26.2	26.3	26.3	26.2	26.3	26.4	26.2
3	Total Dissolved Solid.	500.00	2000.00	132.3	132.1	132.1	134.0	132.0	132.5	131.9
4	Turbidity, (NTU)	1.00	5.00	1.23	1.31	1.59	1.53	1.46	1.34	1.29
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.4	0.1	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness, (mg/L)	200.00	600.00	100.50	100.50	100.50	100.50	100.50	100.50	100.50
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 14.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-14	DC-23	DA-88	DB-222
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.30	7.31	7.32	7.35	7.29
2	Temperature (degree C)	----	----	26.1	26.1	26.4	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	131.0	131.1	132.3	132.0	132.6	132.2
4	Turbidity. (NTU)	1.00	5.00	1.10	1.91	1.59	1.34	1.75	1.35
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.1	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness. (mg/L)	200.00	600.00	100.50	100.50	104.52	104.52	104.52	104.52
8	Total Alkalinity. (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 19.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - III							
				INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AL/1/B/18	AL/1/C/40	AI/153/18	AI-158	AL/1/C/5
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.31	7.29	7.32	7.35	7.36	7.38	7.35
2	Temperature (degree C)	----	----	26.1	26.2	26.2	26.3	26.3	26.3	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.5	128.9	128.5	128.6	128.2	128.3	128.2	128.4
4	Turbidity, (NTU)	1.00	5.00	1.58	1.60	1.24	1.56	1.34	1.42	1.61	1.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	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>B. Chemical Test Results:</b>											
7	Total Hardness, (mg/L)	200.00	600.00	108.54	112.56	112.56	112.56	112.56	112.56	108.54	108.54
8	Total Alkalinity, (mg/L)	200.00	600.00	79.56	83.98	83.98	88.40	83.98	83.98	83.98	83.98
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.84	16.84	16.84	16.84	16.84	16.84	16.84	16.84
<b>C. Bacteriological Test Results :</b>											
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: 20.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA-52
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.36	7.37	7.39	7.38	7.41	7.43
2	Temperature(degree C)	----	----	26.7	26.7	26.6	26.7	26.6	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.5	127.8	127.6	128.3	127.6	127.8	127.7
4	Turbidity (NTU)	1.00	5.00	1.51	1.75	1.81	1.89	1.71	1.78	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.1	0.2	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	108.97	104.94	108.97	108.97	108.97	108.97	104.94
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	81.36	85.88	85.88	85.88	85.88	81.36

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

Date of Testing: 20.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE-74	CE-197
<b>A. Physico - Chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.41	7.42	7.38	7.43	7.46
2	Temperature(degree C)	----	----	26.5	26.4	26.4	26.3	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.3	128.1	127.6	127.7	127.6	127.9
4	Turbidity (NTU)	1.00	5.00	1.52	1.79	1.85	1.91	1.68	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97	104.94	104.94	104.94	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	81.36	85.88	85.88	85.88	85.88	85.88

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: 21.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BB-107
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.54	7.56	7.60	7.61	7.62	7.60
2	Temperature(degree C)	----	----	26.1	26.0	26.0	26.1	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.9	128.2	128.4	128.3	128.6	127.9	128.0
4	Turbidity (NTU)	1.00	5.00	1.81	1.88	1.93	1.38	1.87	1.82	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4	0.1	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	108.97	113.00	113.00	113.00	113.00	108.97	113.00
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88	85.88	85.88	85.88

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)**

**Date of Testing: 21.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.53	7.62	7.58
2	Temperature(degree C)	----	----	26.2	26.3	26.3	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.1	127.9	128.1	127.5
4	Turbidity (NTU)	1.00	5.00	1.62	1.58	1.48	1.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	108.97	104.94	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88

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: 24.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.37	7.39	7.41
2	Temperature(degree C)	----	----	26.1	26.1	26.0	26.0
3	Total Dissolved Solid(mg/L)	500.00	2000.00	127.2	128.0	129.9	130.2
4	Turbidity, (NTU)	1.00	5.00	1.57	1.46	1.60	1.50
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	108.97	113.00	113.00	113.00
8	Total Alkalinity, (mg/L)	200.00	600.00	85.88	85.88	90.40	90.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 24.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.45	7.44	7.46	7.49
2	Temperature(degree C)	----	----	26.2	26.1	26.1	26.0	26.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	127.1	127.7	127.6	127.6	127.5
4	Turbidity, (NTU)	1.00	5.00	1.46	1.56	1.81	1.45	1.51
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness, (mg/L)	200.00	600.00	108.97	108.97	108.97	108.97	108.97
8	Total Alkalinity, (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88	85.88

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: 27.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-36	CB-08
<b>A. Physico - chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.34	7.33	7.37	7.38	7.41
2	Temperature(degree C)	----	----	25.9	25.8	25.9	25.8	25.8	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.1	129.0	128.8	128.6	129.0	128.7
4	Turbidity (NTU)	1.00	5.00	1.31	1.46	1.54	1.69	1.60	1.19
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.1	0.1	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	108.97	113.00	113.00	113.00	113.00	113.00
8	Total Alkalinity (mg/L)	200.00	600.00	81.36	85.88	85.88	85.88	85.88	85.88
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	1000	16.97	16.97	16.97	16.97	16.97	16.97
<b>C. Bacteriological Test Results :</b>									
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 & Bacteriological)**

Date of Testing: 27.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VI						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/C/97	CE -74	CE-197	CE/I/A/140
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.39	7.32	7.38	7.36	7.35	7.39
2	Temperature(degree C)	----	----	25.6	25.5	25.4	25.5	25.6	25.6	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.4	128.7	128.9	128.7	128.6	128.6	128.4
4	Turbidity (NTU)	1.00	5.00	1.88	1.37	1.68	1.39	1.23	1.28	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	0.3	0.3	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	113.00	113.00	113.00	113.00	113.00	113.00	113.00
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88	85.88	85.88	85.88
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	16.97	16.97	16.97	16.97	16.97	16.97	16.97
<b>C. Bacteriological Test Results :</b>										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

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

**Date of Testing: 28.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AC - 131	AA- 05	AC-107	AC-50
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.29	7.30	7.31	7.30	7.46
2	Temperature (degree C)	----	----	25.8	25.8	25.7	25.7	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.1	130.5	130.0	129.9	129.7	129.6
4	Turbidity (NTU)	1.00	5.00	1.31	1.54	1.17	1.59	1.28	1.19
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.2	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	104.94	108.97	104.94	108.97	113.00	113.00
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	90.40	85.88	90.40	90.40	90.40
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)	250.00	1000.00	18.85	18.85	18.85	18.85	18.85	16.97
<b>C .Bacteriological Test Results :</b>									
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 & Bacteriological)

Date of Testing: 28.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA-120	AB-72	AB-13
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.38	7.39	7.41	7.40	7.42
2	Temperature(degree C)	----	----	25.5	25.6	25.7	25.6	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.9	129.6	130.1	129.8	130.1	129.9
4	Turbidity (NTU)	1.00	5.00	1.10	1.43	1.15	1.55	1.16	1.13
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.2	0.1	0.1	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	113.00	117.04	117.04	117.04	117.04	117.04
8	Total Alkalinity (mg/L)	200.00	600.00	90.40	90.40	90.40	90.40	90.40	90.40
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)	250.00	1000.00	18.85	18.85	18.85	16.97	18.85	18.85
<b>C. Bacteriological Test Results :</b>									
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)**

**Date of Testing: 31.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BF-58
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.37	7.38	7.47	7.43	7.47	7.46
2	Temperature(degree C)	----	----	26.3	26.3	26.4	26.4	26.3	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.7	131.0	131.1	130.6	130.8	131.6	130.7
4	Turbidity (NTU)	1.00	5.00	0.81	0.77	1.31	1.04	1.12	1.20	1.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.2	0.3	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97	104.94	104.94	108.97	104.94	104.94
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88	85.88	85.88	85.88

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: 31.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - III							
				INLET OF O.H.R.	OUTLET OF O.H.R	A/1/C/28	AL/27	AL/1/C/40	AI/153/18	AK-29	AK-26
<b>A. Physico-chemical Test Results :</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.31	7.32	7.40	7.41	7.40	7.41	7.40
2	Temperature(degree C)	----	----	26.1	26.0	26.0	26.0	26.1	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.4	131.4	131.3	131.3	131.8	131.6	131.3	131.0
4	Turbidity, (NTU)	1.00	5.00	0.96	0.73	1.10	0.91	1.20	0.98	0.74	1.06
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.2	0.3	0.1	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>											
7	Total Hardness, (mg/L)	200.00	600.00	108.97	104.94	104.94	104.94	104.94	108.97	104.94	108.97
8	Total Alkalinity, (mg/L)	200.00	600.00	81.36	81.36	85.88	85.88	85.88	85.88	85.88	85.88

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.

**ACTION AREA – II**  
**(JULY' 2023)**

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

**TEST REPORT: AA – IIG, O.H.R – 18**

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

**Date of Testing: 11.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, O.H.R – 18		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.26	7.30
2	Temperature (degree C)	----	----	25.8	25.8	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.9	136.9	136.8
4	Turbidity (NTU)	1.00	5.00	1.83	1.85	1.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.84	16.84	16.84
<b>C. Bacteriological Test Results:</b>						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

**TEST REPORT: AA – II C, O.H.R – 13**

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

Date of Testing: 13.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, O.H.R - 13						
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.51	7.50	7.52	7.54	7.57	7.53
2	Temperature (degree C)	----	----	26.3	26.3	26.4	26.4	26.4	26.5	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.9	133.3	133.4	133.4	132.9	133.0	132.8
4	Turbidity (NTU)	1.00	5.00	1.93	1.38	1.81	1.79	1.83	1.90	1.66
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.2	0.1	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40
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	16.84	16.84	16.84	16.84	16.84	16.84	16.84
<b>C. Bacteriological Test Results:</b>										
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 – IID, O.H.R – 11**

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

Date of Testing: 13.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, O.H.R - 11			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
<b>A. Physico-Chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.57	7.56	7.55
2	Temperature (degree C)	----	----	26.7	26.6	26.5	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.6	132.0	132.6	132.4
4	Turbidity (NTU)	1.00	5.00	1.85	1.83	1.92	1.94
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>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40
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	16.84	16.84	16.84	16.84
<b>C. Bacteriological Test Results:</b>							
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: 13.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, O.H.R - 12			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.56	7.60	7.61
2	Temperature (degree C)	----	----	26.7	26.7	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.5	131.7	132.0	132.2
4	Turbidity (NTU)	1.00	5.00	1.81	1.86	1.89	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	83.98	88.40
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	16.84	16.84	16.84	16.84
<b>C. Bacteriological Test Results:</b>							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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



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

**TEST REPORT: AA – II A, O.H.R-17**

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

**Date of Testing: 17.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – II A, O.H.R-17			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY	CBD
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.35	7.33	7.34
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.8	127.5	127.2	127.3
4	Turbidity (NTU)	1.00	5.00	1.71	1.81	1.74	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	83.98	83.98	83.98	83.98

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**  
**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: 17.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R-15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.27	7.29	7.30	7.31	7.33	7.35	7.32	7.34
2	Temperature (degree C)	----	----	25.6	25.5	25.6	25.6	25.5	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.3	127.8	127.5	127.7	127.6	127.5	127.7	127.4
4	Turbidity (NTU)	1.00	5.00	1.77	1.89	1.71	1.97	1.38	1.97	1.92	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.3	0.2	0.4	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	100.50	100.50	100.50	104.52	104.52	104.52	100.50	100.50
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40	88.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

**TEST REPORT: AA – IIG, O.H.R – 18**

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

**Date of Testing: 24.07.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, O.H.R – 18		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.52	7.54
2	Temperature (degree C)	----	----	26.3	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.4	128.1	127.3
4	Turbidity (NTU)	1.00	5.00	1.25	1.38	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	108.97	113.00	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88

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: 26.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IIA, O.H.R – 17			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY	CBD
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.41	7.36	7.34
2	Temperature (degree C)	----	----	26.4	26.3	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.9	127.3	126.8	128.9
4	Turbidity (NTU)	1.00	5.00	1.81	1.34	1.53	1.47
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97	104.94	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	81.36	81.36	85.88	81.36
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	16.97	16.97	18.85	16.97
<b>C. Bacteriological Test Results :</b>							
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: 26.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R – 15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.34	7.35	7.37	7.38	7.39	7.41	7.40	7.35
2	Temperature (degree C)	----	----	26.2	26.3	26.3	26.3	26.4	26.4	26.5	26.5
3	Total Dissolved Solid (mg/L)	500	2000	134.4	127.6	128.3	128.3	128.5	128.0	128.4	127.8
4	Turbidity (NTU)	1.00	5.00	1.65	1.81	1.67	1.68	1.87	1.78	1.23	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.2	0.2	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	108.97	104.94	113.00	113.00	113.00	113.00	113.00	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	81.36	81.36	81.36	81.36	81.36	81.36	81.36
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97
<b>C. Bacteriological Test Results :</b>											
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.