

**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  
MAY' 2023**

**ACTION AREA – I**  
**(MAY' 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: 02.05.2023

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/C/52
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.63	7.64	7.63	7.64	7.65	7.66
2	Temperature(degree C)	----	----	25.8	25.8	25.8	26.0	26.0	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.4	186.0	185.5	185.8	186.0	185.8	185.4
4	Turbidity (NTU)	1.00	5.00	1.85	1.91	1.79	1.87	1.90	1.88	1.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.2	0.2	0.4
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	148.61	148.61	148.61	148.61	148.61	148.61	148.61
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60	137.60	137.60	137.60	137.60	137.60
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.93	28.93	28.93	28.93	28.93	28.93	28.93
<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: AA – I, O.H.R – III**  
**Sub. : Water Testing (Physico-chemical & Chemical & Bacteriological)**

Date of Testing: 02.05.2023

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-67	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	7.56	7.57	7.55	7.56	7.60	7.62
2	Temperature(degree C)	----	----	25.9	25.9	25.9	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.8	186.4	185.6	185.5	185.6	185.3
4	Turbidity, (NTU)	1.00	5.00	1.93	1.98	1.81	1.79	1.99	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.4	0.3	0.2	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	148.61	152.74	148.61	148.61	148.61	148.61
8	Total Alkalinity, (mg/L)	200.00	600.00	141.90	141.90	141.90	141.90	141.90	141.90
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.93	28.93	28.93	28.93	28.93	28.93
<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 - I**

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

**Date of Testing: 03.05.2023**

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
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.55	7.53	7.55	7.59	7.60
2	Temperature (degree C)	----	----	25.6	25.5	25.5	25.5	25.5	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.2	185.1	185.0	185.3	185.2	185.4
4	Turbidity (NTU)	1.00	5.00	1.91	1.85	1.99	1.85	1.87	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	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	148.61	148.61	148.61	144.48	144.48	144.48
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	133.30	133.30	133.30	133.30	133.30
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	26.99	26.99	26.99	26.99	26.99	26.99
<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 & Bacteriological)

Date of Testing: 03.05.2023

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-109
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.42	7.48	7.50	7.51	7.52	7.54
2	Temperature(degree C)	----	----	25.8	25.8	25.7	25.7	25.7	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.6	186.1	185.9	185.6	185.1	185.1	185.2
4	Turbidity (NTU)	1.00	5.00	1.80	1.82	1.91	1.95	1.81	1.90	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.2	0.2	0.4	0.4
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	148.61	148.61	144.48	144.48	144.48	144.48	144.48
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	137.60	133.30	133.30	133.30	133.30	133.30
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	26.99	28.93	26.99	26.99	26.99	26.99	26.99
<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: AA – I, O.H.R – X

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

Date of Testing: 10.05.2023

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	7.35	7.39	7.43	7.46
2	Temperature(degree C)	----	----	25.4	25.4	25.4	25.3
3	Total Dissolved Solid(mg/L)	500.00	2000.00	207	207	207	207
4	Turbidity, (NTU)	1.00	5.00	1.85	1.84	1.88	1.93
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	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	148.61	148.61	148.61	148.61
8	Total Alkalinity, (mg/L)	200.00	600.00	141.90	141.90	141.90	141.90
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.92	26.99	26.99	26.99
<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 – I, O.H.R – IX**  
Sub. : Water Testing (Physico-Chemical , Chemical & Bacteriological)

Date of Testing: 10.05.2023

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	7.46	7.47	7.50	7.52	7.53
2	Temperature(degree C)	----	----	25.2	25.2	25.2	25.2	25.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	205	205	205	205	205
4	Turbidity, (NTU)	1.00	5.00	1.84	1.89	1.87	1.81	1.86
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.6	0.6	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness, (mg/L)	200.00	600.00	144.48	148.61	148.61	148.61	148.61
8	Total Alkalinity, (mg/L)	200.00	600.00	137.60	137.60	141.90	141.90	141.90
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	26.99	26.99	28.93	26.99	26.99
<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.



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: 11.05.2023**

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-245	CA-241
<b>A. Physico - chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.58	7.57	7.59	7.61	7.65	7.69	7.71
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	207	207	206	206	205	205	206	206
4	Turbidity (NTU)	1.00	5.00	1.91	1.85	1.97	1.92	1.90	1.88	1.89	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.1	0.3	0.3	0.2	0.2
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	148.61	148.61	148.61	148.61	148.61	148.61	148.61	148.61
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00

O.H.R. - OVER HEAD RESERVOIR,

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

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

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

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: 12.05.2023

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 - 161
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.56	7.61	7.62	7.68	7.66
2	Temperature(degree C)	----	----	26.2	26.2	26.1	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	208	207	207	206	205	206
4	Turbidity (NTU)	1.00	5.00	1.96	1.95	1.91	1.88	1.85	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	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	148.61	148.61	144.48	144.48	144.48	144.48
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	129.00	129.00	129.00	129.00	129.00

O.H.R. - OVER HEAD RESERVOIR,

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

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

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

**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: 16.05.2023**

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	7.69	7.68	7.70	7.69
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	208	207	208	207
4	Turbidity (NTU)	1.00	5.00	1.98	1.90	1.96	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	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	146.30	146.30	146.30	146.30
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	133.30	129.00	129.00
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40	28.29
<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 & Bacteriological)**

**Date of Testing: 23.05.2023**

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					
				OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DC-175
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.26	7.29	7.31	7.35	7.40	7.43
2	Temperature(degree C)	----	----	26.1	26.0	26.1	26.1	26.0	26.2
3	Total Dissolved Solid.	500.00	2000.00	204	205	204	204	204	204
4	Turbidity, (NTU)	1.00	5.00	1.89	1.90	1.82	1.98	1.80	1.92
5	Residual Free Chlorine	0.20	1.00	0.6	0.4	0.1	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	142.24	142.24	142.24	142.24	142.24	142.24
8	Total Alkalinity, (mg/L)	200.00	600.00	129.00	129.00	129.00	129.00	129.00	129.00
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
<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: AA – I. O.H.R – VIII**  
**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)**

Date of Testing: 23.05.2023

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	7.45	7.41	7.42	7.44	7.46	7.47
2	Temperature(degree C)	----	----	26.2	26.2	26.3	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	202	203	203	203	203	203
4	Turbidity (NTU)	1.00	5.00	1.84	1.82	1.82	1.80	1.82	1.85
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.3	0.3	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	146.30	146.30	142.24	142.24	142.24	142.24
8	Total Alkalinity. (mg/L)	200.00	600.00	129.00	133.30	129.00	129.00	129.00	133.30
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29	28.29	28.29	28.29	26.40
<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: 26.05.2023

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	AE-56	AB-88
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.27	7.44	7.49	7.51	7.53	7.55	7.41
2	Temperature(degree C)	----	----	26.8	26.8	26.7	26.6	26.5	26.5	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.5	198.0	197.1	197.4	196.8	196.9	199.0
4	Turbidity (NTU)	1.00	5.00	1.84	1.84	1.90	1.84	1.93	1.98	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.1	0.1	0.1	0.3	0.1
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	134.11	134.11	134.11	134.11	134.11	134.11	134.11
8	Total Alkalinity (mg/L)	200.00	600.00	141.90	137.60	133.30	137.60	137.60	137.60	133.30
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	30.18	30.18	28.29	28.29	28.29	28.29
<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 – V**

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

Date of Testing: 29.05.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-81	CC-08	CA-66
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.26	7.28	7.30	7.35	7.38	7.41	7.45
2	Temperature(degree C)	----	----	26.0	26.1	26.0	26.0	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.7	196.8	197.0	196.6	195.9	195.5	195.1
4	Turbidity (NTU)	1.00	5.00	1.91	1.54	1.97	1.77	1.50	1.73	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.2	0.2	0.4	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	130.05	134.11	134.11	134.11	130.05	130.05	130.05
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	129.00	129.00	129.00	129.00	129.00	129.00
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	28.29	26.40	26.40	26.40	26.40	26.40	26.40
<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: AA – I, O.H.R – X  
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 31.05.2023

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	7.30	7.32	7.41	7.44
2	Temperature(degree C)	----	----	26.2	26.2	26.1	26.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	194.4	195.3	195.7	194.8
4	Turbidity, (NTU)	1.00	5.00	1.54	1.43	1.41	1.55
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	130.05	134.11	134.11	138.17
8	Total Alkalinity, (mg/L)	200.00	600.00	129.00	133.30	129.00	137.60

O.H.R. – OVER HEAD RESERVOIR

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

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

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



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

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

Date of Testing: 31.05.2023

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	7.44	7.40	7.41	7.46	7.48
2	Temperature(degree C)	----	----	26.7	26.1	26.2	26.2	26.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	194.0	193.5	193.0	193.6	193.3
4	Turbidity, (NTU)	1.00	5.00	1.56	1.81	1.37	1.36	1.90
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.4	0.3	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	134.11	130.04	130.04	134.11	130.04
8	Total Alkalinity, (mg/L)	200.00	600.00	129.00	124.70	124.70	129.00	129.00

O.H.R. – OVER HEAD RESERVOIR

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

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

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

**ACTION AREA – II**  
**(MAY' 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: 10.05.2023**

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	7.45	7.49	7.31
2	Temperature (degree C)	----	----	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	204	204
4	Turbidity (NTU)	1.00	5.00	1.87	1.93	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	148.61	148.61	148.61
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	129.00	129.00
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.99	26.99	26.99
<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 A, O.H.R – 17**

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

Date of Testing: 16.05.2023

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.74	7.73
2	Temperature (degree C)	----	----	26.1	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	208	207	207
4	Turbidity (NTU)	1.00	5.00	1.99	1.97	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	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	146.30	142.24	146.30
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	133.30	133.30
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	28.29	28.29
<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 – IIB, O.H.R – 15**

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

Date of Testing: 16.05.2023

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	7.62	7.61	7.60	7.62	7.64	7.61	7.69	7.70
2	Temperature (degree C)	----	----	26.2	26.1	26.1	26.1	26.1	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500	2000	208	208	208	208	208	208	207	208
4	Turbidity (NTU)	1.00	5.00	1.84	1.96	1.99	1.99	1.82	1.91	1.94	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.3	0.2	0.4	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	146.30	146.30	146.30	146.30	146.30	146.30	142.24	146.30
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	133.30	133.30	133.30	133.30	129.00	129.00	133.30
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29
<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: AA – II C, O.H.R – 13**

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

Date of Testing: 25.05.2023

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	7.31	7.38	7.39	7.44	7.47	7.46	7.51
2	Temperature (degree C)	----	----	26.5	26.4	26.4	26.4	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.8	199.9	200	199.2	199.1	199.2	198.2
4	Turbidity (NTU)	1.00	5.00	1.51	1.74	1.98	1.99	1.88	1.98	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.6	0.4	0.3	0.6
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	146.30	146.30	142.24	142.24	142.24	142.24	142.24
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	26.40	26.40	26.40	26.40	26.40	26.40
<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 – II D, O.H.R – 11**

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

Date of Testing: 25.05.2023

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	7.53	7.56	7.57	7.58
2	Temperature (degree C)	----	----	26.0	26.0	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.3	198.3	197.9	198.0
4	Turbidity (NTU)	1.00	5.00	1.88	1.88	1.93	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	142.24	142.24	146.30	142.24
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	129.00	129.00	129.00
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40	26.40
<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: 25.05.2023

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	7.48	7.49	7.50	7.51
2	Temperature (degree C)	----	----	26.3	26.2	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	200	197.8	199.4	199.3
4	Turbidity (NTU)	1.00	5.00	1.96	1.98	1.48	1.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	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	146.30	146.30	142.24	142.24
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	133.30	133.30	129.00
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40	26.40
<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 & Bacteriological)**

Date of Testing: 30.05.2023

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	HAJ TOWER
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.25	7.28	7.29	7.26
2	Temperature (degree C)	----	----	26.1	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.4	195.6	195.7	194.8
4	Turbidity (NTU)	1.00	5.00	1.75	1.73	1.55	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	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	138.17	134.11	134.11	130.05
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	129.00	124.70	124.70
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40	26.40
<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: 30.05.2023

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	7.41	7.42	7.45	7.43	7.49	7.44	7.47	7.44
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.3	26.3	26.3	26.2	26.1
3	Total Dissolved Solid (mg/L)	500	2000	194.0	195.6	193.3	193.2	193.8	193.2	194.4	193.5
4	Turbidity (NTU)	1.00	5.00	1.65	1.38	1.79	1.65	1.98	1.72	1.67	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.4	0.2	0.2	0.3	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	134.11	138.17	134.11	134.11	134.11	134.11	138.17	134.11
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	129.00	124.70	129.00	129.00	129.00	129.00	129.00
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40
<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: AA – IIG, O.H.R – 18**

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

**Date of Testing: 31.05.2023**

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	7.41	7.45	7.51
2	Temperature (degree C)	----	----	26.2	26.1	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.7	192.6	191.1
4	Turbidity (NTU)	1.00	5.00	1.39	1.86	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	134.11	130.04	130.04
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	129.00	129.00

O.H.R. – OVER HEAD RESERVOIR

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

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

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