

**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  
NOVEMBER' 2023**

**ACTION AREA – I**  
**(NOVEMBER ' 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 - II**

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

Date of Testing: 01.11.2023

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	AE-60
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.72	7.74	7.71	7.70	7.72	7.73	7.74
2	Temperature (degree C)	----	----	26.7	26.6	26.7	26.7	26.6	26.7	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.6	142.5	142.5	142.2	141.9	141.6	141.5	141.7
4	Turbidity (NTU)	1.00	5.00	1.12	0.97	1.23	0.98	0.92	1.49	0.84	0.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2	0.2	0.2	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	116.48	120.64	120.64	120.64	116.48	116.48	120.64	120.64
8	Total Alkalinity (mg/L)	200.00	600.00	104.64	104.64	100.28	104.64	104.64	100.28	104.64	104.64

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: 02.11.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BD-87	BC-151
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.71	7.73	7.69	7.68	7.70	7.65	7.64
2	Temperature(degree C)	----	----	26.6	26.6	26.5	26.5	26.7	26.7	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.2	138.2	138.1	138.1	137.5	138.0	137.4	137.6
4	Turbidity (NTU)	1.00	5.00	0.75	0.61	0.82	0.84	1.15	0.67	0.74	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.3	0.4	0.2	0.2	0.3	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	120.64	116.48	120.64	120.64	120.64	120.64	120.64	120.64
8	Total Alkalinity (mg/L)	200.00	600.00	100.28	100.28	95.92	100.28	100.28	100.28	100.28	100.28

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 – VII**

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

**Date of Testing: 03.11.2023**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - VII							
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF-94	DC-248	DC-232	DC-210
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.50	7.48	7.46	7.47	7.40	7.43	7.46
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.3	26.5	26.6	26.7	26.4
3	Total Dissolved Solid.	500.00	2000.00	138.7	138.7	138.9	139.3	139.5	138.5	138.8	138.6
4	Turbidity, (NTU)	1.00	5.00	1.44	1.30	1.46	1.12	1.53	1.61	1.55	1.78
5	Residual Free Chlorine	0.20	1.00	0.6	0.6	0.4	0.1	0.2	0.2	0.3	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	124.80	128.96	128.96	128.96	124.80	124.80	128.96	128.96
8	Total Alkalinity, (mg/L)	200.00	600.00	109.00	109.00	109.00	113.36	113.36	109.00	113.36	109.00

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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 03.11.2023

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	DC-27
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.49	7.53	7.53	7.49	7.30	7.61
2	Temperature (degree C)	----	----	26.6	26.6	26.8	26.7	26.5	26.4	26.2
3	Total Dissolved Solid.	500.00	2000.00	138.5	139.4	139.6	139.2	139.0	139.2	139.5
4	Turbidity. (NTU)	1.00	5.00	1.21	1.35	1.28	1.31	1.61	1.30	1.28
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.3	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	124.80	124.80	124.80	128.96	128.96	128.96	128.96
8	Total Alkalinity. (mg/L)	200.00	600.00	113.36	113.36	113.36	113.36	113.36	113.36	113.36

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.

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

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

**Date of Testing: 10.11.2023**

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.61	7.59
2	Temperature(degree C)	----	----	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	146.8	146.8	146.9
4	Turbidity (NTU)	1.00	5.00	1.62	1.38	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	133.12	133.12	133.12
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72

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)

Date of Testing: 17.11.2023

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		
				OUTLET OF O.H.R.	GREEN FIELD – 4D	CHITTARANJAN NATIONAL CANCER INSTITUTE
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.40	7.45
2	Temperature(degree C)	----	----	26.1	26.1	26.0
3	Total Dissolved Solid(mg/L)	500.00	2000.00	151.4	152.5	152.2
4	Turbidity, (NTU)	1.00	5.00	1.40	1.66	1.02
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness, (mg/L)	200.00	600.00	135.55	135.55	139.78
8	Total Alkalinity, (mg/L)	200.00	600.00	121.22	117.04	117.04

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

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

Date of Testing: 17.11.2023

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				
				OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	VGM TOWER	SASTA SUNDAR INNOVATION TOWER
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.60	7.59	7.58	7.53
2	Temperature(degree C)	----	----	26.0	26.0	26.1	26.1	26.0
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	152.2	151.4	152.1	152.3	152.2
4	Turbidity, (NTU)	1.00	5.00	1.65	0.99	1.33	1.63	1.20
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	0.4	0.3	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	135.55	135.55	131.32	135.55	135.55
8	Total Alkalinity, (mg/L)	200.00	600.00	121.22	117.04	112.86	117.04	117.04

O.H.R. – OVER HEAD RESERVOIR ,

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

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

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

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

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

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

Date of Testing: 21.11.2023

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-64
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.55	7.56	7.54	7.61	7.59	7.62
2	Temperature(degree C)	----	----	25.3	25.3	25.3	25.4	25.5	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.9	156.9	156.7	156.6	156.7	156.5	156.4
4	Turbidity (NTU)	1.00	5.00	1.56	1.57	1.26	1.68	1.04	0.81	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.4	0.3	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	139.79	135.55	139.79	139.79	139.79	135.55	139.79
8	Total Alkalinity (mg/L)	200.00	600.00	118.61	121.22	118.61	121.22	118.61	121.22	118.61
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.

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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: 21.11.2023

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-54	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	7.61	7.60	7.55	7.53	7.56	7.55
2	Temperature(degree C)	----	----	25.2	25.2	25.1	25.1	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.5	156.5	156.9	156.7	157.0	156.7
4	Turbidity, (NTU)	1.00	5.00	1.03	1.10	1.16	1.42	1.29	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	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	144.02	139.79	139.79	135.55	139.79	135.55
8	Total Alkalinity, (mg/L)	200.00	600.00	118.61	121.22	118.61	118.61	121.22	118.61
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	16.97	15.08	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.

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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: 28.11.2023**

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-181
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.57	7.58	7.57	7.61	7.60	7.59
2	Temperature(degree C)	----	----	24.8	24.8	24.8	24.7	24.8	24.8	24.7
3	Total Dissolved Solid.	500.00	2000.00	163.4	164.2	163.9	163.9	163.6	163.6	163.7
4	Turbidity, (NTU)	1.00	5.00	1.12	1.18	1.35	1.46	1.71	1.88	1.75
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.4	0.1	0.1	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	148.26	152.50	148.26	148.26	148.26	152.50	148.26
8	Total Alkalinity, (mg/L)	200.00	600.00	125.40	125.40	121.22	121.22	121.22	125.40	125.40
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	16.97	16.97	16.97	16.97	18.85	18.85	18.85
<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 – VIII**  
**Sub.: Water Testing (Physico-chemical , Chemical & Bacteriological)**

Date of Testing: 28.11.2023

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	DC-12	DC-14
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.62	7.60	7.63	7.64	7.65	7.63	7.62
2	Temperature (degree C)	----	----	24.7	24.6	24.5	24.4	24.3	24.3	24.3	24.3
3	Total Dissolved Solid.	500.00	2000.00	164.6	164.4	163.8	164.7	164.6	163.9	164.1	164.2
4	Turbidity (NTU)	1.00	5.00	1.15	1.46	1.04	1.12	1.65	1.13	1.41	1.38
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.4	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	152.50	148.26	148.26	152.50	152.50	152.50	152.50	148.26
8	Total Alkalinity. (mg/L)	200.00	600.00	125.40	125.40	121.22	121.22	121.22	121.22	129.58	125.40
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	18.85	16.97	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	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 & Bacteriological)

Date of Testing: 29.11.2023

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	CA-238	CA-81	CB-08	CA-56	CA-65
<b>A. Physico - chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.51	7.53	7.50	7.51	7.49	7.45	7.43
2	Temperature(degree C)	----	----	24.2	24.3	24.3	24.2	24.2	24.3	24.4	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	163.6	164.6	164.4	164.4	164.0	164.0	164.2	164.4
4	Turbidity (NTU)	1.00	5.00	1.21	1.45	1.73	1.68	1.63	1.66	1.68	1.36
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.4	0.3	0.2	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	148.26	152.50	152.50	152.50	148.26	152.50	152.50	152.50
8	Total Alkalinity (mg/L)	200.00	600.00	125.40	125.40	125.40	125.40	129.58	129.58	129.50	125.40
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	1000	16.97	16.97	16.97	18.85	16.97	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	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 – VI**

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

Date of Testing: 29.11.2023

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-98
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.44	7.49	7.50	7.51	7.50	7.51
2	Temperature(degree C)	----	----	24.3	24.2	24.2	24.3	24.3	24.4	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	164.7	164.5	164.5	164.3	164.4	164.4	164.5
4	Turbidity (NTU)	1.00	5.00	1.10	1.57	1.36	1.76	1.69	1.28	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	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	152.50	148.26	152.50	152.50	152.50	148.26	152.50
8	Total Alkalinity (mg/L)	200.00	600.00	125.40	125.40	125.40	125.40	129.58	125.40	125.40
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	18.85	16.97	16.97	18.85	18.85	16.97	18.85
<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: 30.11.2023

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	CHITTARANJAN NATIONAL CANCER INSTITUTE
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.68	7.83	7.87
2	Temperature(degree C)	----	----	25.3	25.3	25.2	25.3
3	Total Dissolved Solid(mg/L)	500.00	2000.00	165.5	166.2	165.8	165.5
4	Turbidity, (NTU)	1.00	5.00	1.53	1.20	1.14	1.55
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	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	144.02	144.02	148.26	148.26
8	Total Alkalinity, (mg/L)	200.00	600.00	117.04	117.04	117.04	121.22

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: 30.11.2023

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	VGM TOWER
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.84	7.87	7.88	7.82
2	Temperature(degree C)	----	----	25.2	25.4	25.2	25.1	25.0
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	166.1	165.4	166.1	165.6	165.8
4	Turbidity, (NTU)	1.00	5.00	1.37	1.38	1.53	1.39	1.52
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.3	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	152.50	152.50	152.50	156.73	152.50
8	Total Alkalinity, (mg/L)	200.00	600.00	125.40	125.40	125.40	125.40	125.40

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.

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

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

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

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

Date of Testing: 09.11.2023

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	7.48	7.46	7.44	7.45	7.48	7.50	7.52
2	Temperature (degree C)	----	----	26.0	26.0	26.1	26.1	26.0	26.0	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	144.7	144.4	144.7	144.4	145.0	144.7	144.5
4	Turbidity (NTU)	1.00	5.00	1.15	1.38	1.61	1.62	1.52	1.72	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.4	0.3	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	133.12	133.12	133.12	133.12	137.28	133.12	128.96
8	Total Alkalinity (mg/L)	200.00	600.00	116.48	116.48	112.32	116.48	112.32	112.32	116.48
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	17.10	15.20	17.10	17.10	17.10	17.10	17.10
<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: 09.11.2023

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	7.62	7.63	7.64	7.62
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	144.5	144.4	144.5	144.2
4	Turbidity (NTU)	1.00	5.00	1.96	1.81	1.63	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	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	133.12	133.12	133.12	128.96
8	Total Alkalinity (mg/L)	200.00	600.00	112.32	112.32	112.32	116.48
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.10	17.10	17.10	17.10
<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: 09.11.2023

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	7.53	7.61	7.60	7.61
2	Temperature (degree C)	----	----	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	145.8	144.1	144.3	144.2
4	Turbidity (NTU)	1.00	5.00	1.77	1.75	1.56	1.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	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	133.12	133.12	133.12	137.28
8	Total Alkalinity (mg/L)	200.00	600.00	116.48	116.48	112.32	116.48
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.10	15.20	17.10	17.10
<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: 10.11.2023**

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	7.58	7.59	7.57	7.60
2	Temperature (degree C)	----	----	25.5	25.5	25.4	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	146.8	146.3	146.7	146.6
4	Turbidity (NTU)	1.00	5.00	1.63	1.83	1.51	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	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	137.28	133.12	137.28	133.12
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	122.08	117.72

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: 10.11.2023

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	7.64	7.68	7.66	7.63	7.60	7.57	7.58	7.57
2	Temperature (degree C)	----	----	25.9	25.9	25.9	25.8	25.8	25.7	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	147.0	146.1	147.1	146.6	146.6	146.9	146.3	145.7
4	Turbidity (NTU)	1.00	5.00	1.51	1.77	1.53	1.76	1.55	1.88	1.61	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.4	0.3	0.4	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	137.28	133.12	133.12	137.28	137.28	133.12	133.12	137.28
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72	117.72	122.08	117.72	122.08

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: 17.11.2023**

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.
<b>A. Physico-chemical Test Results:</b>					
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.60
2	Temperature (degree C)	----	----	25.7	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	152.7	151.7
4	Turbidity (NTU)	1.00	5.00	1.44	1.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.5	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>					
7	Total Hardness (mg/L)	200.00	600.00	139.79	135.55
8	Total Alkalinity (mg/L)	200.00	600.00	117.04	117.04

O.H.R. – OVER HEAD RESERVOIR

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

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

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



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

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

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

Date of Testing: 23.11.2023

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	7.67	7.66	7.65	7.66	7.69	7.70	7.72
2	Temperature (degree C)	----	----	25.3	25.3	25.4	25.3	25.2	25.2	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.8	158.1	158.1	158.5	158.4	158.2	157.9
4	Turbidity (NTU)	1.00	5.00	1.76	1.80	1.78	1.82	1.75	1.65	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.6	0.3	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	144.02	139.79	148.26	148.26	148.26	148.26	144.02
8	Total Alkalinity (mg/L)	200.00	600.00	129.58	125.40	129.58	125.40	125.40	125.40	129.58

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

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

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

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

**TEST REPORT: AA – II D, O.H.R – 11**

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

Date of Testing: 23.11.2023

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	7.75	7.71	7.73	7.72
2	Temperature (degree C)	----	----	25.5	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.5	157.8	157.8	157.5
4	Turbidity (NTU)	1.00	5.00	1.84	1.67	1.87	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	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	144.02	144.02	148.26	148.26
8	Total Alkalinity (mg/L)	200.00	600.00	121.22	125.40	121.22	121.22

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

**TEST REPORT: AA – IID, O.H.R – 12**

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

Date of Testing: 23.11.2023

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	7.61	7.60	7.62	7.63
2	Temperature (degree C)	----	----	25.4	25.5	25.4	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.1	157.6	158.1	157.9
4	Turbidity (NTU)	1.00	5.00	1.95	1.78	1.65	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.4	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	139.79	144.02	144.02	144.02
8	Total Alkalinity (mg/L)	200.00	600.00	121.22	121.22	125.40	121.22

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: 30.11.2023**

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.
<b>A. Physico-chemical Test Results:</b>					
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86
2	Temperature (degree C)	----	----	24.8	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	164.8	164.9
4	Turbidity (NTU)	1.00	5.00	1.51	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>					
7	Total Hardness (mg/L)	200.00	600.00	148.26	152.50
8	Total Alkalinity (mg/L)	200.00	600.00	125.40	125.40

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.**