

**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 – 700 163**

**WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF  
NEW TOWN KOLKATA PROJECT, DURING MONTH  
APRIL' 2025**

**ACTION AREA – I**  
**(APRIL' 2025)**

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 – 700 163

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

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

Date of Testing: 04.04.2025

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/C/97	CE -74	CE-197	CE /1/B/84	CE /1/A/42
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.82	7.80	7.81	7.82	7.83	7.81	7.82
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	206	205	205	204	204	204	204
4	Turbidity (NTU)	1.00	5.00	0.79	0.95	0.98	0.93	0.95	0.98	0.93	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.3	0.2	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	144.72	144.72	148.74	148.74	148.74	148.74	148.74	148.74
8	Total Alkalinity (mg/L)	200.00	600.00	136.96	136.96	132.68	132.68	132.68	132.68	132.68	132.68

O.H.R. – OVER HEAD RESERVOIR

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  
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

TEST REPORT: ACTION AREA -I, O.H.R - IV  
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 04.04.2025

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-88
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.86	7.85	7.86	7.87	7.86	7.87
2	Temperature (degree C)	----	----	26.0	26.0	26.1	26.1	26.1	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	205	204	203	203	204	205
4	Turbidity (NTU)	1.00	5.00	0.87	0.83	0.91	0.93	0.75	0.97	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	144.72	144.72	148.74	148.74	148.74	148.74	148.74
8	Total Alkalinity (mg/L)	200.00	600.00	132.68	132.68	136.96	132.68	132.68	132.68	132.68

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 – 700 163**

**TEST REPORT: ACTION AREA –I**

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

**Date of Testing: 07.04.2025**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.89	7.87
2	Temperature (degree C)	----	----	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	206	206
4	Turbidity (NTU)	1.00	5.00	0.93	0.92	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	148.74	148.74	152.76
8	Total Alkalinity (mg/L)	200.00	600.00	141.24	136.96	136.96
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.63	28.71	28.71
C .Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

NF-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 – 700 163

**TEST REPORT: AA – I, O.H.R – VII**

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

**Date of Testing: 07.04.2025**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF - 94	DC-248	DC-187
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.86	7.85	7.87	7.84	7.85
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.1	26.0	26.0
3	Total Dissolved Solid.	500.00	2000.00	204	204	205	206	204	205
4	Turbidity, (NTU)	1.00	5.00	0.98	0.93	0.92	0.95	0.96	0.96
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.4	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	148.74	152.76	148.74	152.76	148.74	152.76
8	Total Alkalinity, (mg/L)	200.00	600.00	141.24	141.24	136.96	136.96	136.96	136.96
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	30.63	28.71	28.71	28.71	28.71	28.71
C .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 07.04.2025

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	DC-27
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.84	7.85	7.83	7.84	7.86
2	Temperature (degree C)	----	----	26.0	26.0	26.0	26.1	26.1	26.1
3	Total Dissolved Solid.	500.00	2000.00	205	204	205	206	205	204
4	Turbidity (NTU)	1.00	5.00	0.90	0.83	0.95	0.90	0.96	0.85
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.1	0.3	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	148.74	148.74	152.76	152.76	152.76	152.76
8	Total Alkalinity. (mg/L)	200.00	600.00	136.96	136.96	136.96	136.96	136.96	136.96
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	28.71	28.71	28.71	28.71	28.71	28.71
C . Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 09.04.2025

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-24
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.86	7.88	7.90	7.88	7.84	7.85
2	Temperature(degree C)	----	----	26.5	26.3	26.2	26.3	26.1	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	209	207	207	207	208	207	207
4	Turbidity (NTU)	1.00	5.00	0.68	0.70	0.74	0.86	0.84	0.77	0.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.1	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	148.74	144.72	144.72	144.72	148.74	144.72	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	132.68	128.40	128.40	132.68	136.96	136.96	132.68
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	32.54	30.63	30.63	30.63	30.63	32.54	32.54
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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



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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 09.04.2025

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-23	AL/1/C/40	AI/153/18	AL/1/C/26	AL-11
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.98	7.96	7.94	7.96	7.97	7.93	7.90
2	Temperature(degree C)	----	----	26.7	26.5	26.4	26.3	26.4	26.4	26.2	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	207	209	209	211	207	209	208	207
4	Turbidity, (NTU)	1.00	5.00	0.85	0.74	0.76	0.62	0.88	0.85	0.80	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.1	0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	148.74	152.76	148.74	148.74	144.72	148.74	148.74	144.72
8	Total Alkalinity, (mg/L)	200.00	600.00	132.68	128.40	132.68	132.68	132.68	128.40	128.40	128.40
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	32.54	32.54	32.54	32.54	32.54	32.54	32.54	32.54
C .Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 11.04.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	CHITTARANJAN NATIONAL CANCER INSTITUTE
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.97	7.96	7.97
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	208	207	206	206
4	Turbidity, (NTU)	1.00	5.00	0.85	0.83	0.97	0.83
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.6	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	148.74	152.76	152.76	152.76
8	Total Alkalinity, (mg/L)	200.00	600.00	132.68	128.40	128.40	128.40

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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 11.04.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.98	7.94	7.91	7.97
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	206	207	207	206	205
4	Turbidity, (NTU)	1.00	5.00	0.82	0.96	0.95	0.97	0.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	148.74	148.74	148.74	148.74	152.76
8	Total Alkalinity, (mg/L)	200.00	600.00	136.96	132.68	128.40	128.40	128.40

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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 16.04.2025

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-46
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.89	7.91	7.90	7.92	7.91	7.94
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	206	205	205	206	205	205
4	Turbidity (NTU)	1.00	5.00	0.87	0.76	0.89	0.85	0.81	0.89	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.3	0.2	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	149.77	145.73	149.77	145.73	145.73	145.73	145.73
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60	141.90	137.60	141.90	141.90	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	32.30	32.30	32.30	32.30	32.30	32.30	30.40
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 16.04.2025

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	BF-58	BB-50	BC-105	SNEHODIYA
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.93	7.97	7.98	7.95	7.96	7.92
7.2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.1	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	204	204	205	205	204	204
4	Turbidity (NTU)	1.00	5.00	0.80	0.81	0.96	0.87	0.78	0.83	0.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	149.77	145.73	149.77	149.77	145.73	145.73	145.73
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60	141.90	137.60	141.90	141.90	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	32.30	32.30	32.30	32.30	32.30	32.30	30.40
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

**TEST REPORT: ACTION AREA -I, O.H.R - II**  
**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)**

**Date of Testing: 21.04.2025**

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-148
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.93	7.95	7.98	7.97	7.95	7.96
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.8	26.8	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.0	197.8	198.4	198.2	198.6	198.1	198.8
4	Turbidity (NTU)	1.00	5.00	0.93	0.94	0.80	0.90	0.84	0.91	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.1	0.2	0.1	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	145.73	145.73	149.77	145.73	145.73	149.77	149.77
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	133.30	137.60	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	30.40	30.40	30.40	30.40	32.30	32.30	30.40
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

TEST REPORT: ACTION AREA -I, O.H.R - I  
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 23.04.2025

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-69	AA-168	AA-159
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.88	7.91	7.94	7.96	7.90	7.89	7.91
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.2	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	197.6	197.0	196.8	196.2	197.0	196.5	193.4	196.4
4	Turbidity (NTU)	1.00	5.00	0.81	0.83	0.63	0.86	0.71	0.60	0.54	0.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.1	0.3	0.2	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	141.68	145.73	141.68	141.68	145.73	145.73	145.73	145.73
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60	137.60	137.60	137.60	137.60	137.60	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 – 700 163

TEST REPORT: AA – I, O.H.R – X

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

Date of Testing: 24.04.2025

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	CNCI
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.96	7.97
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	198.3	199.6	198.4	198.8
4	Turbidity, (NTU)	1.00	5.00	0.96	0.81	0.85	0.88
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. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	145.73	149.77	145.73	145.73
8	Total Alkalinity, (mg/L)	200.00	600.00	137.60	133.30	133.30	133.30
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.50	30.40	30.40	28.50
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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



GOVERNMENT OF WEST BENGAL  
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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 24.04.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.93	7.92	7.91	7.98
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	197.6	197.4	198.0	197.4	196.7
4	Turbidity, (NTU)	1.00	5.00	0.86	0.89	0.94	0.96	0.88
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. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	141.68	145.73	145.73	145.73	145.73
8	Total Alkalinity, (mg/L)	200.00	600.00	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
10	Chloride (mg/L)	250.00	1000.00	30.40	28.50	30.40	28.50	28.50
C. Bacteriological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 25.04.2025

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	AL/1/C/40	AL-11	AL/1/C/28	AL/153/18	AL/1/C/6	AL/1/B15
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.88	7.86	7.89	7.88	7.95	7.92	7.91
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	197.1	195.6	195.5	195.6	195.1	195.6	194.5	194.5
4	Turbidity, (NTU)	1.00	5.00	0.82	0.81	0.74	0.87	0.85	0.79	0.82	0.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.2	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	145.73	141.68	137.63	141.68	141.68	145.73	145.73	141.68
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 – 700 163

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

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

Date of Testing: 29.04.2025

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-69	AA-168	AA-159
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.92	7.94	7.95	7.97	7.95	7.96	7.97
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.4	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.0	193.6	193.2	193.9	193.2	193.2	192.2	192.2
4	Turbidity (NTU)	1.00	5.00	0.68	0.69	0.93	0.93	0.86	0.88	0.91	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.2	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	145.73	141.68	141.68	145.73	145.73	141.68	141.68	145.73
8	Total Alkalinity (mg/L)	200.00	600.00	124.70	124.70	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	<0.1
10	Chloride (mg/L)	250.00	1000.00	32.30	30.40	30.40	30.40	30.40	30.40	30.40	30.40
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 30.04.2025

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-24
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.95	7.96	7.94	7.97	7.96	7.98	7.97
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.1	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.0	192.0	191.0	191.4	190.7	191.0	191.4	192.0
4	Turbidity (NTU)	1.00	5.00	0.82	0.94	0.96	0.98	0.94	0.97	0.75	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.1	0.3	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	141.68	141.68	141.68	145.73	145.73	145.73	141.68	141.68
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	124.70	129.00	124.70	124.70	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 – 700 163

**TEST REPORT: AA – I, O.H.R – VII**

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

**Date of Testing: 30.04.2025**

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-187
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.96	7.94	7.97	7.98	7.96	7.95	7.98
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.2	26.2	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	193.3	191.0	191.0	191.6	191.4	191.0	190.2
4	Turbidity, (NTU)	1.00	5.00	0.94	0.97	0.91	0.94	0.95	0.92	0.95
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.4	0.1	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness, (mg/L)	200.00	600.00	141.68	141.68	145.73	141.68	145.73	145.73	141.68
8	Total Alkalinity, (mg/L)	200.00	600.00	129.00	129.00	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**  
**(APRIL' 2025)**

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 – 700 163

**TEST REPORT: AA – II A, O.H.R – 17**  
**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)**

Date of Testing: 02.04.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, O.H.R – 17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	CBD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.82	7.84
2	Temperature (degree C)	----	----	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	204	203
4	Turbidity (NTU)	1.00	5.00	0.96	0.95	0.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	148.74	148.74	152.76
8	Total Alkalinity (mg/L)	200.00	600.00	141.24	141.24	141.24
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.63	30.63	30.63
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

TEST REPORT: AA – IIB, O.H.R – 15  
Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)

Date of Testing: 02.04.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R – 15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	PLOT-1590	MALANCHHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.83	7.84	7.85	7.84	7.87	7.88	7.86	7.83
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.1	26.1	26.0
3	Total Dissolved Solid (mg/L)	500	2000	208	210	207	209	209	206	205	206
4	Turbidity (NTU)	1.00	5.00	0.85	0.95	0.99	0.86	0.88	0.85	0.83	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	152.76	148.74	152.76	148.74	148.74	152.76	148.74	148.74
8	Total Alkalinity (mg/L)	200.00	600.00	145.52	145.52	141.24	141.24	141.24	136.96	136.96	136.96
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	30.63	30.63	30.63	30.63	30.63	30.63	30.63	30.63
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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



GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

**Date of Testing: 03.04.2025**

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 OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.96	7.95	7.93	7.96	7.96	7.97
2	Temperature (degree C)	----	----	26.0	26.0	26.0	26.0	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	204	204	204	203	204
4	Turbidity (NTU)	1.00	5.00	0.91	0.83	0.83	0.86	0.87	0.84	0.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	144.72	144.72	148.74	148.74	148.74	148.74	148.74
8	Total Alkalinity (mg/L)	200.00	600.00	141.24	141.24	141.24	136.96	136.96	136.96	141.24
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	30.63	30.63	28.71	30.63	30.63	28.71	28.71
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

N.F- NOT FOUND,

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 03.04.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, O.H.R - 11			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.96	7.97	7.94	7.96
2	Temperature (degree C)	----	----	26.0	26.0	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	203	205	203
4	Turbidity (NTU)	1.00	5.00	0.80	0.86	0.87	0.86
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. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	148.74	144.72	148.74	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	141.24	141.24	145.52	141.24
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	30.63	30.63	30.63	28.71
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

**TEST REPORT: AA – II D, O.H.R – 12**

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

Date of Testing: 03.04.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IID, O.H.R - 12		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD AMBITION
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.96	7.95	7.97
2	Temperature (degree C)	----	----	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	204	206
4	Turbidity (NTU)	1.00	5.00	0.80	0.82	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	144.72	144.72	144.72
8	Total Alkalinity (mg/L)	200.00	600.00	141.24	136.96	136.96
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.71	30.63	30.63
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

**GOVERNMENT OF WEST BENGAL**  
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**  
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**  
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**  
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – IIG, O.H.R – 18**  
**Sub. : Water Testing (Physico-chemical & Chemical)**

**Date of Testing: 11.04.2025**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				AA – IIG, O.H.R – 18	
				INLET OF O.H.R.	OUTLET OF O.H.R.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.99
2	Temperature (degree C)	----	----	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	207	204
4	Turbidity (NTU)	1.00	5.00	0.91	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	144.72	140.70
8	Total Alkalinity (mg/L)	200.00	600.00	136.96	136.96

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 – 700 163**

**TEST REPORT: AA – IIG, O.H.R – 18**

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

**Date of Testing: 24.04.2025**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				AA – IIG, O.H.R – 18	
				INLET OF O.H.R.	OUTLET OF O.H.R.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.96	7.98
2	Temperature (degree C)	----	----	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	197.0	196.3
4	Turbidity (NTU)	1.00	5.00	0.96	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	145.73	141.68
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.50	28.50
C. Bacteriological Test Results:					
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 163

**TEST REPORT: AA – II A, O.H.R-17**

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

**Date of Testing: 28.04.2025**

	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.	C.B.D
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.96	7.97	7.95
2	Temperature (degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.9	193.6	194.7
4	Turbidity (NTU)	1.00	5.00	0.94	0.76	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	141.68	141.68	145.73
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.

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 – 700 163

**TEST REPORT: AA – II B, O.H.R-15**

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

**Date of Testing: 28.04.2025**

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	PLOT-1590	MALANCHHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.94	7.98	7.95	7.92	7.98	7.98
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.0	194.5	194.6	194.5	195.0	193.9	193.3	193.2
4	Turbidity (NTU)	1.00	5.00	0.81	0.84	0.92	0.81	0.87	0.89	0.91	0.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.3	0.4	0.3	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	141.68	141.68	145.73	145.73	141.68	141.68	141.68	145.73
8	Total Alkalinity (mg/L)	200.00	600.00	129.00	133.30	133.30	129.00	129.00	129.00	133.30	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.