

**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  
JUNE' 2025**

**ACTION AREA – I**  
**(JUNE' 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 – I, O.H.R – X

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

Date of Testing: 02.06.2025

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	7.93	7.92	7.94	7.96
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	178.2	179.5	178.7	178.6
4	Turbidity, (NTU)	1.00	5.00	0.65	0.86	0.73	0.89
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.3	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	143.05	143.05	139.08	139.08
8	Total Alkalinity, (mg/L)	200.00	600.00	112.32	116.48	116.48	112.32
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	30.18	28.29	28.29
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
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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: 02.06.2025

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	7.95	7.96	7.98	7.97	7.96
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.6	26.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	179.4	178.3	178.2	179.2	178.1
4	Turbidity, (NTU)	1.00	5.00	0.64	0.63	0.72	0.91	0.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.3	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	135.10	131.12	131.12	135.10	131.12
8	Total Alkalinity, (mg/L)	200.00	600.00	112.32	112.32	112.32	112.32	112.32
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	30.18	32.06	28.29	26.40	28.29
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.

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**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**

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

**Date of Testing: 05.06.2025**

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	7.94	7.97	7.98
2	Temperature (degree C)	----	----	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	172.6	173.3	171.8
4	Turbidity (NTU)	1.00	5.00	0.97	0.78	0.82
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	139.08	143.05	139.08
8	Total Alkalinity (mg/L)	200.00	600.00	108.16	108.16	108.16
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
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: 05.06.2025**

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	7.99	7.97	7.96	7.97	7.96	7.97
2	Temperature (degree C)	----	----	26.3	26.3	26.4	26.4	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	171.4	170.9	171.0	172.4	173.6	171.1
4	Turbidity, (NTU)	1.00	5.00	0.96	0.93	0.96	0.87	0.97	0.90
5	Residual Free Chlorine	0.20	1.00	0.1	0.4	0.4	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	139.08	139.08	135.10	139.08	135.10	139.08
8	Total Alkalinity, (mg/L)	200.00	600.00	108.16	108.16	108.16	108.16	108.16	108.16
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	26.40	26.40	26.40	26.40	26.40	26.40
C .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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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: 05.06.2025

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	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.89	7.91	7.90	7.91	7.93
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	170.5	171.1	170.9	170.3	170.2	170.1
4	Turbidity (NTU)	1.00	5.00	0.92	0.72	0.80	0.71	0.83	0.88
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.2	0.2	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	131.13	135.10	135.10	139.08	143.05	143.05
8	Total Alkalinity. (mg/L)	200.00	600.00	116.48	116.48	116.48	116.48	116.48	116.48
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	30.18	30.18	30.18	30.18	30.18	30.18
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 – VI**

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

**Date of Testing: 09.06.2025**

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/76	CE/1/B/84
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.79	7.83	7.85	7.88	7.85	7.89	7.86
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.8	169.9	167.1	166.0	166.1	165.1	165.5	165.1
4	Turbidity (NTU)	1.00	5.00	0.82	0.86	0.96	0.94	0.95	0.90	0.88	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.3	0.2	0.3	0.4	0.3
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	119.21	119.21	127.16	131.13	127.16	127.16	127.03	127.16
8	Total Alkalinity (mg/L)	200.00	600.00	99.84	95.68	104.00	99.84	99.84	99.84	95.68	95.68
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.18	30.18	30.18	28.29	28.29	28.29	28.29	28.29
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: ACTION AREA -I, O.H.R - IV

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

Date of Testing: 09.06.2025

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	BC-105	BF-40	SNEHODIYA
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.89	7.90	7.86	7.87	7.88
7.2	Temperature(degree C)	----	----	26.3	26.4	26.4	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.0	164.0	165.8	165.4	164.3	164.5
4	Turbidity (NTU)	1.00	5.00	0.70	0.82	0.85	0.84	0.89	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	123.18	131.13	127.16	131.13	127.16	119.21
8	Total Alkalinity (mg/L)	200.00	600.00	95.68	99.84	95.68	95.68	95.68	95.68
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	32.06	30.18	30.18	30.18	30.18	30.18
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)**

**Date of Testing: 12.06.2025**

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-40	CA-24
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.89	7.79	7.90	7.92	7.94	7.92	7.93
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.1	26.0	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.5	164.0	163.7	163.8	163.5	163.9	163.3	162.9
4	Turbidity (NTU)	1.00	5.00	0.77	0.82	0.88	0.90	0.85	0.67	0.62	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.3	0.3	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	119.21	123.18	127.16	127.16	127.16	127.16	127.16	127.16
8	Total Alkalinity (mg/L)	200.00	600.00	104.00	99.84	99.84	104.00	99.84	99.84	95.68	99.84

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

Date of Testing: 12.06.2025

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	AI/1/C/27	AL/1/C/40	AI/153/18	AL/1/C/23
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.78	7.79	7.83	7.87	7.88	7.89	7.93
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	164.3	164.0	164.3	163.1	163.5	163.4	164.3
4	Turbidity, (NTU)	1.00	5.00	0.63	0.84	0.60	0.87	0.84	0.61	0.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.4	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	119.21	115.23	115.23	119.21	119.21	119.21	119.21
8	Total Alkalinity, (mg/L)	200.00	600.00	95.68	95.68	99.84	99.84	99.84	95.68	95.68

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, O.H.R - II

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

Date of Testing: 13.06.2025

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-52
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.87	7.93	7.96	7.93	7.95	7.98
2	Temperature (degree C)	----	----	26.9	26.7	26.6	26.3	26.3	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.1	161.7	163.3	162.3	161.2	160.9	160.7
4	Turbidity (NTU)	1.00	5.00	0.73	0.69	0.90	0.79	0.78	0.90	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	119.21	115.23	119.21	119.21	119.21	119.21	119.21
8	Total Alkalinity (mg/L)	200.00	600.00	91.52	91.52	95.68	95.68	99.84	99.84	99.84

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 - IV

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

Date of Testing: 13.06.2025

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-66	BB-64
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.96	7.94	7.90	7.91	7.94	7.95	7.90
2	Temperature (degree C)	----	----	26.8	26.7	26.7	26.5	26.4	26.2	26.2	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	160.7	161.5	161.2	160.6	161.2	160.6	161.0	160.2
4	Turbidity (NTU)	1.00	5.00	0.66	0.75	0.83	0.77	0.73	0.86	0.88	0.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.2	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	119.21	119.21	119.21	119.21	119.21	119.21	119.21	119.21
8	Total Alkalinity (mg/L)	200.00	600.00	99.84	104.00	108.16	108.16	104.00	104.00	104.00	104.00

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**

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

**Date of Testing: 16.06.2025**

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	7.85	7.87	7.86
2	Temperature (degree C)	----	----	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.5	157.4	156.9
4	Turbidity (NTU)	1.00	5.00	0.85	0.96	0.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	118.73	114.77	118.73
8	Total Alkalinity (mg/L)	200.00	600.00	96.14	104.50	104.50

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: 16.06.2025**

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	DC- 200	DC-198
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.94	7.89	7.96	7.94
2	Temperature (degree C)	----	----	26.8	26.8	26.3	26.6	26.7
3	Total Dissolved Solid.	500.00	2000.00	157.0	156.2	156.5	156.1	155.8
4	Turbidity, (NTU)	1.00	5.00	0.84	0.86	0.86	0.87	0.88
5	Residual Free Chlorine	0.20	1.00	0.4	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	119.21	119.21	119.21	119.21	119.21
8	Total Alkalinity, (mg/L)	200.00	600.00	95.68	95.68	99.84	99.84	95.68

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

Date of Testing: 16.06.2025

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	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.96	7.93	7.94	7.96	7.94
2	Temperature (degree C)	----	----	26.3	26.4	26.5	26.5	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	156.4	156.2	156.1	156.4	156.2	156.4
4	Turbidity (NTU)	1.00	5.00	0.79	0.74	0.63	0.93	0.84	0.95
5	Residual Free Chlorine	0.20	1.00	0.4	0.4	0.2	0.2	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	118.73	118.73	118.73	118.73	118.73	118.73
8	Total Alkalinity. (mg/L)	200.00	600.00	96.14	96.14	100.32	100.32	100.32	100.32

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: 18.06.2025

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-190	AA-152	AC-157
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.87	7.91	7.95	7.96	7.93	7.95	7.94
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	152.5	153.6	152.2	152.5	152.6	151.7	151.6	152.4
4	Turbidity (NTU)	1.00	5.00	0.72	0.65	0.75	0.80	0.91	0.89	0.96	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.3	0.1	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	122.69	118.73	122.69	118.73	122.69	122.69	118.73	118.73
8	Total Alkalinity (mg/L)	200.00	600.00	104.50	104.50	104.50	104.50	104.50	104.50	100.32	100.32
19	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	26.40	26.40	24.52	26.40	26.40	26.40	26.40	26.40
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	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 – I, O.H.R – X  
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 20.06.2025

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	7.83	7.85	7.92	7.91
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	152.8	153.4	153.0	152.8
4	Turbidity, (NTU)	1.00	5.00	0.95	0.98	0.64	0.81
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	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	118.73	122.69	118.73	118.73
8	Total Alkalinity, (mg/L)	200.00	600.00	108.68	104.50	104.50	104.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 20.06.2025

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	7.98	7.85	7.92	7.95
2	Temperature(degree C)	----	----	26.4	26.4	26.5	26.5	26.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	151.2	151.1	151.6	151.5	151.6
4	Turbidity, (NTU)	1.00	5.00	0.91	0.87	0.81	0.82	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.3	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	118.73	118.73	114.77	118.73	118.73
8	Total Alkalinity, (mg/L)	200.00	600.00	104.50	104.50	104.50	104.50	100.32

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 – V**

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

Date of Testing: 23.06.2025

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-40
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.92	7.83	7.85	7.86	7.83	7.82
2	Temperature(degree C)	----	----	26.0	26.0	26.0	26.1	26.1	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	150.0	150.3	152.0	150.8	149.9	149.8	149.7
4	Turbidity (NTU)	1.00	5.00	0.86	0.69	0.53	0.70	0.65	0.75	0.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.3	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	118.73	122.68	122.68	122.68	122.68	122.68	122.68
8	Total Alkalinity (mg/L)	200.00	600.00	96.14	96.14	96.14	96.14	91.96	91.96	91.96
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	24.52	24.52	24.52	24.52	24.52	24.52	24.52
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: AA – I, O.H.R – III**  
**Sub.: Water Testing (Physico-chemical & Chemical & Bacteriological)**

Date of Testing: 23.06.2025

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	AI/1/B/1	AL/1/C/40	AI/153/18	AL/1/C/29	AL/1/C/6
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.75	7.87	7.85	7.86	7.84	7.85	7.86
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.1	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	154.6	154.2	150.9	149.7	150.2	150.0	149.3	149.7
4	Turbidity, (NTU)	1.00	5.00	0.52	0.62	0.62	0.71	0.52	0.78	0.72	0.50
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.2	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	118.73	122.69	122.69	122.69	122.69	122.69	122.69	122.69
8	Total Alkalinity, (mg/L)	200.00	600.00	96.14	100.32	96.14	96.14	96.14	96.14	96.14	96.14
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29	26.40	26.40	24.51	24.51	24.51	24.51
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 – VI**

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

Date of Testing: 26.06.2025

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/C/46	CE-173
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.79	7.81	7.80	7.83	7.86	7.87	7.86
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	152.0	151.1	148.9	150.3	149.0	148.2	148.8	148.2
4	Turbidity (NTU)	1.00	5.00	0.78	0.87	0.85	0.98	0.82	0.91	0.93	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.2	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	114.77	118.73	122.69	122.69	122.69	122.69	122.69	122.69
8	Total Alkalinity (mg/L)	200.00	600.00	100.32	100.32	100.32	100.32	100.32	100.32	100.32	100.32

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)**

Date of Testing: 26.06.2025

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-190	AD-25
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.86	7.85	7.86	7.83	7.84	7.83
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.4	26.4	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	147.0	147.8	147.9	148.5	147.7	147.7	148.2
4	Turbidity (NTU)	1.00	5.00	0.71	0.83	0.89	0.93	0.97	0.95	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.4	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	114.77	110.81	118.73	118.73	118.73	118.73	118.73
8	Total Alkalinity (mg/L)	200.00	600.00	96.14	100.32	104.50	104.50	104.50	104.50	104.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

**ACTION AREA – II**  
**(JUNE' 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 – IIG, O.H.R – 18**

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

**Date of Testing: 02.06.2025**

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	7.97	7.98
2	Temperature (degree C)	----	----	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.4	178.0
4	Turbidity (NTU)	1.00	5.00	0.75	0.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	139.08	143.05
8	Total Alkalinity (mg/L)	200.00	600.00	112.32	112.32
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.18	30.18
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 C, O.H.R – 13**

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

**Date of Testing: 03.06.2025**

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	7.96	7.94	7.95	7.96	7.97	7.98	7.95
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.0	178.1	178.3	177.2	177.1	176.0	177.2
4	Turbidity (NTU)	1.00	5.00	0.94	0.93	0.96	0.84	0.97	0.96	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	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	143.05	143.05	143.05	143.05	143.05	143.05	139.08
8	Total Alkalinity (mg/L)	200.00	600.00	108.16	112.32	116.48	116.48	116.48	116.48	116.48

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

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

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

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

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

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

Date of Testing: 03.06.2025

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	7.97	7.98	7.96	7.98
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.8	176.9	178.8	176.3
4	Turbidity (NTU)	1.00	5.00	0.72	0.96	0.97	0.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	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	135.10	135.10	139.08	139.08
8	Total Alkalinity (mg/L)	200.00	600.00	112.32	112.32	116.48	116.48

O.H.R. – OVER HEAD RESERVOIR

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

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

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

GOVERNMENT OF WEST BENGAL  
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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)

Date of Testing: 03.06.2025

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	7.98	7.97	7.96
2	Temperature (degree C)	----	----	26.5	26.5	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.2	177.7	178.0
4	Turbidity (NTU)	1.00	5.00	0.93	0.96	0.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	131.13	135.10	135.10
8	Total Alkalinity (mg/L)	200.00	600.00	112.32	108.16	116.48

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

GOVERNMENT OF WEST BENGAL  
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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: 11.06.2025

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	7.89	7.90	7.88	7.92	7.90	7.92	7.94
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.4	26.4	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.6	163.1	164.4	164.1	162.6	163.3	164.4
4	Turbidity (NTU)	1.00	5.00	0.86	0.92	0.93	0.97	0.85	0.83	0.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	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	115.23	119.21	123.18	123.18	127.16	127.16	123.18
8	Total Alkalinity (mg/L)	200.00	600.00	108.16	104.00	104.00	104.00	104.00	104.00	104.00
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	30.18	28.29	28.29	28.29	28.29	28.29
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 – IID, O.H.R – 11**

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

Date of Testing: 11.06.2025

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
A. Physico-Chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.91	7.93
2	Temperature (degree C)	----	----	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.0	164.3	161.8
4	Turbidity (NTU)	1.00	5.00	0.86	0.89	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	119.21	123.18	119.21
8	Total Alkalinity (mg/L)	200.00	600.00	108.16	108.16	104.00
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40
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 – II D, O.H.R – 12**

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

Date of Testing: 11.06.2025

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	7.93	7.90	7.92
2	Temperature (degree C)	----	----	26.3	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.2	162.6	164.4
4	Turbidity (NTU)	1.00	5.00	0.93	0.88	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	123.18	123.18	119.21
8	Total Alkalinity (mg/L)	200.00	600.00	108.16	108.16	108.16
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40
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 – II A, O.H.R – 17  
Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)

Date of Testing: 19.06.2025

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.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.95
2	Temperature (degree C)	----	----	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	152.7	152.5
4	Turbidity (NTU)	1.00	5.00	0.94	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	114.77	110.81
8	Total Alkalinity (mg/L)	200.00	600.00	91.96	91.96
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	22.63
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 – IIB, O.H.R – 15  
Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)

Date of Testing: 19.06.2025

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	MALANCHI	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	7.84	7.87	7.85	7.86	7.88	7.87	7.86	7.87
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.3	26.4	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500	2000	155.7	155.6	153.2	152.7	152.6	152.2	152.6	152.2
4	Turbidity (NTU)	1.00	5.00	0.84	0.97	0.98	0.97	0.80	0.82	0.83	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.3	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	110.81	114.77	118.73	118.73	114.77	118.73	118.73	118.73
8	Total Alkalinity (mg/L)	200.00	600.00	87.78	91.96	91.96	91.96	96.14	91.96	96.14	96.14
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	22.63	22.63	20.75	20.75	20.75	20.75	20.75	20.75
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 – IIG, O.H.R – 18  
Sub. : Water Testing (Physico-chemical & Chemical)**

**Date of Testing: 20.06.2025**

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	7.85	7.86
2	Temperature (degree C)	----	----	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	151.5	151.4
4	Turbidity (NTU)	1.00	5.00	0.98	0.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	114.77	118.73
8	Total Alkalinity (mg/L)	200.00	600.00	104.50	104.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

**TEST REPORT: AA – II A, O.H.R-17**

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

**Date of Testing: 25.06.2025**

	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.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97
2	Temperature (degree C)	----	----	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	149.6	148.6
4	Turbidity (NTU)	1.00	5.00	0.82	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	114.77	118.73
8	Total Alkalinity (mg/L)	200.00	600.00	100.32	104.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

**TEST REPORT: AA – II B, O.H.R-15**

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

**Date of Testing: 25.06.2025**

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	MALANCH A	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.95	7.94	7.97	7.98	7.96	7.97	7.95
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.2	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	153.1	153.5	149.6	150.1	149.7	149.2	149.3	149.3
4	Turbidity (NTU)	1.00	5.00	0.98	0.84	0.87	0.87	0.80	0.82	0.86	0.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.4	0.2	0.3	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	118.73	118.73	114.77	118.73	114.77	114.77	118.73	118.73
8	Total Alkalinity (mg/L)	200.00	600.00	104.50	100.32	100.32	100.32	104.50	100.32	100.32	104.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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