

**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
JULY' 2026**

ACTION AREA – I
(JULY' 2026)

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: 01.07.2026

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-26	AA-05	AA-154	AC-55	AC-190	AC-16
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.95	7.83	7.86	7.95	7.97	7.98	7.98
2	Temperature (degree C)	----	----	26.3	26.4	26.3	26.3	26.3	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.4	164.5	183.8	177.2	156.8	154.7	158.1	156.4
4	Turbidity (NTU)	1.00	5.00	0.63	0.51	0.53	0.90	0.54	0.62	0.67	0.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.2	0.1	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	113.23	117.28	113.23	113.23	113.23	117.28	117.28	117.28
8	Total Alkalinity (mg/L)	200.00	600.00	78.28	78.28	82.40	82.40	82.40	82.40	82.40	82.40

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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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: 02.07.2026

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	7.72	7.82	7.90	7.94
2	Temperature(degree C)	----	----	26.8	26.7	26.6	26.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	209	205	209	208
4	Turbidity, (NTU)	1.00	5.00	0.57	0.72	0.53	0.56
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	113.23	117.28	117.28	117.28
8	Total Alkalinity, (mg/L)	200.00	600.00	78.28	78.28	82.40	82.40
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	22.63	22.63	22.63
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
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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 & Bacteriological)

Date of Testing: 02.07.2026

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
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.92	7.91
2	Temperature(degree C)	----	----	26.7	26.8	26.7	26.7
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	204	205	208	206
4	Turbidity, (NTU)	1.00	5.00	0.50	0.62	0.57	0.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	121.32	125.36	121.32	121.32
8	Total Alkalinity, (mg/L)	200.00	600.00	86.52	86.52	86.52	82.40
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.52	24.52	22.63	22.63
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.

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

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

Date of Testing: 08.07.2026

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.	CA-40	CA-27	CB-41	CA-246	CB-18
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.84	7.88	7.91	7.90	7.92	7.91
2	Temperature(degree C)	----	----	26.4	26.3	26.4	26.5	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.6	166.2	167.1	166.3	165.8	166.0	165.6
4	Turbidity (NTU)	1.00	5.00	0.67	0.63	0.71	0.64	0.72	0.78	0.74
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3	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	113.23	113.23	113.23	113.23	109.19	113.23	109.19
8	Total Alkalinity (mg/L)	200.00	600.00	82.40	82.40	86.52	90.64	82.40	86.52	86.52
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	18.86	18.86	18.86	20.75	20.75	18.86	18.86
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/-
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TEST REPORT: ACTION AREA -I, O.H.R - IV

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

Date of Testing: 08.07.2026

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.	BF-75	BD-86	BB-50	BC-92	SNEHODIYA
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.82	7.80	7.85	7.89	7.90	7.92
2	Temperature (degree C)	----	----	26.3	26.8	26.5	26.5	26.5	26.5	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.3	167.7	166.0	166.3	165.5	176.0	164.9
4	Turbidity (NTU)	1.00	5.00	0.65	0.50	0.73	0.62	0.75	0.51	0.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.3	0.2	0.4	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	113.23	113.23	109.19	109.19	109.19	113.23	109.19
8	Total Alkalinity (mg/L)	200.00	600.00	86.52	86.52	90.64	90.64	86.52	86.52	86.52
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.86	18.86	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
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/-
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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)

Date of Testing: 09.07.2026

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.	CE /I/C/170	CE /I/C/52	CE /I/C/74	CE /I/C/197
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.84	7.95	7.92	7.91	7.90	7.89
2	Temperature (degree C)	----	----	26.0	26.0	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.2	164.8	166.1	164.4	163.8	164.5
4	Turbidity (NTU)	1.00	5.00	0.68	0.78	0.75	0.61	0.78	0.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.2	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	109.19	109.19	113.23	113.23	113.23	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40	82.40	82.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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Executive Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 09.07.2026

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-14	DA-88	DB-222	DC-10
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.83	7.83	7.82	7.84	7.83	7.87
2	Temperature (degree C)	----	----	26.6	25.8	26.4	26.4	26.4	26.4	26.5
3	Total Dissolved Solid.	500.00	2000.00	165.2	163.9	162.8	164.7	163.0	165.0	164.7
4	Turbidity (NTU)	1.00	5.00	0.83	0.70	0.77	0.73	0.85	0.74	0.89
5	Residual Free Chlorine	0.20	1.00	1.0	0.6	0.3	0.2	0.4	0.4	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	113.23	113.23	113.23	113.23	113.23	117.28	117.28
8	Total Alkalinity. (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40	82.40	82.40	82.40

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
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NEW TOWN, RAJARHAT, KOLKATA – 700 163

TEST REPORT: ACTION AREA –I

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

Date of Testing: 10.07.2026

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	7.80	7.76	7.79
2	Temperature (degree C)	----	----	26.2	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	229	226	224
4	Turbidity (NTU)	1.00	5.00	0.51	0.60	0.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	109.19	109.19	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	86.52	86.52	90.64
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.86	18.86	18.86
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
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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: 10.07.2026

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-187	DC-248	DC-210
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.72	7.85	7.87	7.89	7.90
2	Temperature (degree C)	----	----	26.3	26.1	26.0	26.0	26.1	26.1
3	Total Dissolved Solid.	500.00	2000.00	232	230	225	229	225	228
4	Turbidity, (NTU)	1.00	5.00	0.54	0.53	0.76	0.66	0.53	0.50
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.4	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	109.19	109.19	113.23	113.23	113.23	109.19
8	Total Alkalinity, (mg/L)	200.00	600.00	82.40	86.52	86.52	82.40	86.52	82.40
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	18.86	18.86	18.86	18.86	16.97	18.86
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 – III
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 10.07.2026

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/28	AI-97	AL/1/C/40	AI/153/24
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.82	7.87	7.86	7.87	7.89
2	Temperature(degree C)	----	----	25.8	25.4	26.2	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	229	229	228	229	225	224
4	Turbidity, (NTU)	1.00	5.00	0.76	0.63	0.73	0.76	0.82	0.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	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	109.19	109.19	109.19	113.23	109.19	109.19
8	Total Alkalinity, (mg/L)	200.00	600.00	86.52	86.52	82.40	78.28	82.40	82.40
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.86	18.86	18.86	18.86	18.86	18.86
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, 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.

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 & Bacteriological)

Date of Testing: 13.07.2026

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/170	CE-74	CE-197	CE/1C/52
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.96	7.93	7.92	7.94	7.91	7.85
2	Temperature(degree C)	----	----	26.0	25.6	26.2	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	197.9	200	203	204	204	204	203
4	Turbidity (NTU)	1.00	5.00	0.93	0.80	0.91	0.93	0.94	0.99	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	0.4	0.3	0.4	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	109.19	113.23	113.23	117.28	113.23	113.23	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40	82.40	82.40	82.40
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.74	20.74	20.74	20.74	20.74	20.74	20.74
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 – VIII
Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 13.07.2026

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-14	DA-88	DB-222	DC-10	DC-22
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.80	7.76	7.80	7.82	7.83	7.84	7.86
2	Temperature (degree C)	----	----	26.0	25.8	25.9	25.9	25.9	26.1	26.1	26.1
3	Total Dissolved Solid.	500.00	2000.00	195.9	204	164.1	202	203	201	204	201
4	Turbidity (NTU)	1.00	5.00	0.93	0.90	0.81	0.96	0.90	0.95	0.85	0.94
5	Residual Free Chlorine	0.20	1.00	0.6	0.6	0.2	0.3	0.4	0.4	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	117.28	117.28	121.32	121.32	121.32	121.32	117.28	117.28
8	Total Alkalinity. (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40	82.40	82.40	82.40	82.40
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	18.86	20.74	20.74	20.74	20.74	20.74	20.74	20.74
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, 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.

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: 14.07.2026

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.	CA-27	CB-41	CA-40	CB-18	CA-246
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.61	7.83	7.86	7.90	7.87	7.89
2	Temperature(degree C)	----	----	26.8	26.4	26.2	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	202	186.7	194.7	186.4	188.4	185.5
4	Turbidity (NTU)	1.00	5.00	0.83	0.85	0.86	0.70	0.90	0.82	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	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	113.23	109.19	113.23	113.23	113.23	109.19	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	82.40	78.28	82.40	82.40	82.40	82.40	82.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 14.07.2026

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.	BF-75	BD-86	BB-50	BC-92
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.87	7.90	7.92	7.91	7.92
2	Temperature (degree C)	----	----	26.5	26.1	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	199.8	194.7	187.1	188.3	184.4
4	Turbidity (NTU)	1.00	5.00	0.74	0.72	0.97	0.86	0.81	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.3	0.3	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	113.23	113.23	113.23	113.23	113.23	109.19
8	Total Alkalinity (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40	82.40	82.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: ACTION AREA –I

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

Date of Testing: 15.07.2026

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	7.75	7.77	7.79
2	Temperature (degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.0	169.0	171.4
4	Turbidity (NTU)	1.00	5.00	0.65	0.57	0.59
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	113.23	109.19	109.19
8	Total Alkalinity (mg/L)	200.00	600.00	82.40	82.40	82.40

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: 15.07.2026

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- 187	DC-248	DC-210
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.84	7.86	7.87	7.90	7.89
2	Temperature (degree C)	----	----	26.7	26.0	26.4	26.4	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	166.3	166.0	170.0	168.7	171.9	168.1
4	Turbidity, (NTU)	1.00	5.00	0.56	0.51	0.76	0.53	0.51	0.53
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.4	0.2	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	109.19	109.19	113.23	113.23	113.23	113.23
8	Total Alkalinity, (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40	82.40	82.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 15.07.2026

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.	AE-97	AE-50	AB-72	AE-65
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.82	7.91	7.90	7.89	7.88
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	166.0	167.2	166.0	167.2	166.5	165.3
4	Turbidity (NTU)	1.00	5.00	0.78	0.82	0.79	0.74	0.80	0.82
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.3	0.3	0.2	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	113.23	113.23	113.23	113.23	113.23	113.23
8	Total Alkalinity. (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40	82.40	82.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 20.07.2026

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	AE-50	AB-72	AB-13	AE-65
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.74	7.81	7.82	7.83	7.82	7.84
2	Temperature(degree C)	----	----	25.5	25.4	26.5	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	221	219	154.8	155.3	155.0	155.6	154.8
4	Turbidity (NTU)	1.00	5.00	0.64	0.65	0.78	0.80	0.81	0.82	0.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.3	0.4	0.3	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	113.01	108.97	108.97	108.97	108.97	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	77.14	77.14	73.08	73.08	73.08	73.08	73.08
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.10	17.10	17.10	17.10	17.10	17.10	17.10
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)

Date of Testing: 21.07.2026

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-97	AL/1/C/40	AI/153/24	AL/1/C/1	AL/1/C/16
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.88	7.79	7.81	7.83	7.87	7.89	7.91
2	Temperature(degree C)	----	----	26.4	26.5	26.3	26.3	26.3	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	153.4	160.0	160.0	159.1	156.2	156.6	157.1	156.6
4	Turbidity, (NTU)	1.00	5.00	0.88	0.75	0.84	0.87	0.60	0.89	0.98	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.1	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	113.00	109.62	109.62	109.62	109.62	109.62	109.62	104.94
8	Total Alkalinity, (mg/L)	200.00	600.00	81.20	77.14	77.14	77.14	77.14	77.14	77.14	73.08

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 24.07.2026

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	7.78	7.81	7.87	7.89
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	227	229	228	229
4	Turbidity, (NTU)	1.00	5.00	0.63	0.59	0.71	0.76
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.2	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	100.90	104.94	104.94	104.94
8	Total Alkalinity, (mg/L)	200.00	600.00	77.14	73.08	77.14	77.14

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: 24.07.2026

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
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.82	7.84	7.86
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	226	228	229	227
4	Turbidity, (NTU)	1.00	5.00	0.51	0.57	0.69	0.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	104.94	104.94	104.94	100.90
8	Total Alkalinity, (mg/L)	200.00	600.00	77.14	73.08	77.14	77.14

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: 27.07.2026

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.	BF-75	BD-86	BB-50	BC-92	BB-109
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.83	7.83	7.91	7.95	7.97	7.95
2	Temperature (degree C)	----	----	26.7	26.7	25.1	24.8	24.8	24.9	24.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	158.0	158.0	158.1	158.4	158.3	158.4	158.1
4	Turbidity (NTU)	1.00	5.00	0.91	0.89	0.95	0.97	0.92	0.98	0.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97	113.00	108.97	117.04	113.00	113.00
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	81.20	81.20	77.14	77.14	81.20	77.14

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: 28.07.2026

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-26	AA-05	AC-55	AC-190	AC-154	AC-16
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.96	7.96	7.95	7.97	7.95	7.96	7.94
2	Temperature (degree C)	----	----	25.0	25.0	25.1	25.1	25.1	25.1	25.0	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.6	158.4	159.5	159.0	159.2	159.6	160.0	159.6
4	Turbidity (NTU)	1.00	5.00	0.92	0.95	0.97	0.84	0.82	0.81	0.92	0.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.2	0.3	0.4	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	108.97	108.97	104.94	104.94	108.97	108.97	104.94	104.94
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	81.20	85.26	85.26	85.26	85.26	85.26	85.26
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	17.10	17.10	17.10	19.00	19.00	19.00	19.00	19.00
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

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: 29.07.2026

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.	CA-40	CA-246	CB-41	CB-18	CA-27
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.83	7.86	7.87	7.89	7.92	7.91
2	Temperature(degree C)	----	----	25.7	25.5	26.3	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.7	157.0	155.1	156.5	157.3	156.6	157.6
4	Turbidity (NTU)	1.00	5.00	0.96	0.96	0.94	0.92	0.95	0.92	0.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.2	0.3	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	104.94	108.97	104.94	104.94	104.94	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	77.14	77.14	81.20	81.20	81.20	77.14	81.20

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 – VI

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

Date of Testing: 29.07.2026

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.	CE /I/C/74	CE /I/C/197	CE /I/C/170	CE /I/C/52
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.84	7.89	7.95	7.92	7.94	7.95
2	Temperature (degree C)	----	----	25.7	25.8	26.4	26.4	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.7	157.2	158.1	157.3	157.5	157.2
4	Turbidity (NTU)	1.00	5.00	0.90	0.97	0.93	0.91	0.82	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.4	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	104.94	104.94	104.94	108.97	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	81.20	77.14	81.20	81.20	77.14

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: 30.07.2026**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				INLET	OUTLET
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.83
2	Temperature (degree C)	----	----	26.4	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.1	156.1
4	Turbidity (NTU)	1.00	5.00	0.96	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	85.26	85.26
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.90	20.90
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-OVERHEAD 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 & Bacteriological)

Date of Testing: 31.07.2026

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	7.53	7.82	7.86	7.84
2	Temperature(degree C)	----	----	26.8	26.8	26.5	26.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	158.0	156.9	156.4	157.9
4	Turbidity, (NTU)	1.00	5.00	0.84	0.88	0.66	0.67
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	113.01	113.01	113.01	113.01
8	Total Alkalinity, (mg/L)	200.00	600.00	89.32	89.32	89.32	89.32
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	20.90	20.90	20.90	20.90
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 – I, O.H.R – IX
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 31.07.2026

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
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.86	7.84	7.86
2	Temperature(degree C)	----	----	26.8	26.4	26.4	26.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	161.2	157.2	158.2	158.6
4	Turbidity, (NTU)	1.00	5.00	0.50	0.82	0.76	0.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	108.97	108.97	108.97	108.97
8	Total Alkalinity, (mg/L)	200.00	600.00	89.32	89.32	89.32	89.32
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	17.10	17.10	17.10	17.10
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.

ACTION AREA – II
(JULY' 2026)

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: 02.07.2026

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	7.98	7.96
2	Temperature (degree C)	----	----	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.3	196.4
4	Turbidity (NTU)	1.00	5.00	0.54	0.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	121.32	121.32
8	Total Alkalinity (mg/L)	200.00	600.00	86.52	86.52
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 – II C, O.H.R – 13

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

Date of Testing: 03.07.2026

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	7.92	7.94	7.94	7.96	7.99	7.93	7.95
2	Temperature (degree C)	----	----	24.9	24.8	26.5	26.4	26.6	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	168.1	165.1	195.0	203.0	204.0	202.0	199.1
4	Turbidity (NTU)	1.00	5.00	0.54	0.67	0.69	0.73	0.83	0.54	0.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.2	0.2	0.1	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	121.32	121.32	121.32	117.28	117.28	117.28	117.28
8	Total Alkalinity (mg/L)	200.00	600.00	86.52	86.52	82.40	82.40	82.40	82.40	82.40

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: 03.07.2026

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	7.95	7.90	7.82	7.89
2	Temperature (degree C)	----	----	26.8	24.8	26.8	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.4	165.8	200	201
4	Turbidity (NTU)	1.00	5.00	0.60	0.58	0.74	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	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	117.28	117.28	121.32	121.32
8	Total Alkalinity (mg/L)	200.00	600.00	82.40	82.40	82.40	82.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – IID, O.H.R – 12

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

Date of Testing: 03.07.2026

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	7.86	7.96	7.92
2	Temperature (degree C)	----	----	25.0	25.1	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	160.2	164.1	198.9
4	Turbidity (NTU)	1.00	5.00	0.60	0.59	0.71
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	121.32	121.32	121.32
8	Total Alkalinity (mg/L)	200.00	600.00	86.52	86.52	82.40

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

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

Date of Testing: 23.07.2026

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, O.H.R – 17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.86	7.79
2	Temperature (degree C)	----	----	26.3	26.2	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.6	158.0	161.7
4	Turbidity (NTU)	1.00	5.00	0.60	0.86	0.50
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	100.90	100.90	100.90
8	Total Alkalinity (mg/L)	200.00	600.00	73.08	73.08	73.08
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.10	17.10	17.10
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 B, O.H.R – 15
Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)

Date of Testing: 23.07.2026

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	7.76	7.79	7.80	7.82	7.83	7.85	7.84	7.87
2	Temperature (degree C)	----	----	26.0	26.0	26.0	26.0	26.2	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500	2000	165.9	155.4	157.3	157.2	156.7	157.2	157.6	156.9
4	Turbidity (NTU)	1.00	5.00	0.75	0.80	0.84	0.64	0.76	0.85	0.79	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	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	100.90	100.90	100.90	100.90	104.94	104.94	104.94	104.94
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	77.14	77.14	77.14	77.14	77.14	77.14	73.08
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	17.10	15.20	15.20	15.20	17.10	17.10	17.10	17.10
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/-
Chem

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: 30.07.2026

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	7.63	7.81	7.93	7.94	7.96	7.98	7.95
2	Temperature (degree C)	----	----	26.6	26.5	26.5	26.5	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	158.1	157.7	157.9	157.7	157.9	156.5	157.6
4	Turbidity (NTU)	1.00	5.00	0.87	0.81	0.84	0.91	0.85	0.94	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.3	0.3	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	108.97	108.97	113.01	113.01	108.97	108.97	104.94
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	81.20	85.26	85.26	85.26	85.26	85.26
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	20.90	20.90	20.90	20.90	20.90	20.90	20.90
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

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: 30.07.2026

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	GREENWOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.84	7.85	7.87
2	Temperature (degree C)	----	----	26.0	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.7	156.9	155.5	155.8
4	Turbidity (NTU)	1.00	5.00	0.82	0.82	0.84	0.93
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	108.97	108.97	113.01	113.01
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	81.20	81.20	81.20
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	20.90	20.90	20.90	20.90
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: 30.07.2026

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	7.81	7.89	7.88
2	Temperature (degree C)	----	----	26.6	26.6	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	158.8	156.5	158.3
4	Turbidity (NTU)	1.00	5.00	0.98	0.96	0.92
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	108.97	108.97	113.01
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	81.20	81.20
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.90	20.90	20.90
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 & Bacteriological)

Date of Testing: 31.07.2026

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	7.91	7.88
2	Temperature (degree C)	----	----	26.6	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.9	156.5
4	Turbidity (NTU)	1.00	5.00	0.86	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	104.94	104.94
8	Total Alkalinity (mg/L)	200.00	600.00	81.20	81.20
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.10	19.00
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.