

**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
MAY' 2026**

ACTION AREA – I
(MAY' 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 – VI

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

Date of Testing: 05.05.2026

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-173	CE-133	CE /1/C/52	CE /1/C/70
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.98	7.96	7.97	7.96
2	Temperature (degree C)	----	----	26.3	26.3	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	237	235	234	234	236	235
4	Turbidity (NTU)	1.00	5.00	0.69	0.61	0.63	0.85	0.74	0.62
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	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	149.18	145.15	149.18	145.15	145.15	141.12
8	Total Alkalinity (mg/L)	200.00	600.00	120.64	120.64	124.80	124.80	124.80	124.80

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

Date of Testing: 05.05.2026

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-97	AI-180	AL/1/C/6	AI/153/24	AL/1/C/2
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.98	7.97	7.96	7.97	7.95	7.98
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5	26.5	26.5	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	238	234	237	235	235	236	238
4	Turbidity, (NTU)	1.00	5.00	0.59	0.57	0.66	0.59	0.70	0.68	0.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.2	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	149.18	149.18	153.22	149.18	149.18	153.22	149.18
8	Total Alkalinity, (mg/L)	200.00	600.00	120.64	120.64	124.80	124.80	128.96	124.80	133.12

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: 06.05.2026

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	7.94	7.95	7.97	7.96
2	Temperature(degree C)	----	----	24.9	24.9	24.8	24.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	265	268	239	237
4	Turbidity, (NTU)	1.00	5.00	0.64	0.97	0.84	0.95
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	145.15	145.15	141.12	141.12
8	Total Alkalinity, (mg/L)	200.00	600.00	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
10	Chloride (mg/L)	250.00	1000.00	34.46	32.54	36.37	34.46
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.

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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: 06.05.2026

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	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.96	7.97	7.96	7.95
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	236	237	237	236	234
4	Turbidity, (NTU)	1.00	5.00	0.68	0.61	0.92	0.95	0.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	145.15	145.15	141.12	141.12	141.12
8	Total Alkalinity, (mg/L)	200.00	600.00	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
10	Chloride (mg/L)	250.00	1000.00	32.54	32.54	36.37	34.46	36.37
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.

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

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

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

Date of Testing: 11.05.2026

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	CA-245	CA-239
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.88	7.93	7.96	7.97	7.95	7.96
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.4	26.4	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	239	241	243	243	443	444	445
4	Turbidity (NTU)	1.00	5.00	0.62	0.61	0.61	0.64	0.60	0.77	0.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	141.12	141.12	137.08	137.08	137.08	133.05	137.08
8	Total Alkalinity (mg/L)	200.00	600.00	124.80	124.80	120.64	120.64	120.64	120.64	116.48
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	36.37	36.37	36.37	36.37	36.37	36.37	36.37
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
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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: 11.05.2026

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	BC-92	BB-50	BD-86	SNEHODIYA
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.86	7.87	7.88	7.90	7.93	7.96
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	237	238	237	239	242	236	235
4	Turbidity (NTU)	1.00	5.00	0.69	0.75	0.64	0.82	0.81	0.80	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	0.4	0.3	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	141.12	141.12	137.08	137.08	137.08	133.05	129.02
8	Total Alkalinity (mg/L)	200.00	600.00	124.80	124.80	120.64	120.64	120.64	120.64	120.64
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	36.37	36.37	36.37	36.37	36.37	36.37	36.37
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
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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: 12.05.2026

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.	AE-85	AE-53	AE-80	AB-13	AE-97	AE-109
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.88	7.91	7.93	7.95	7.96	7.97	7.95
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.3	26.3	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	224	227	224	228	231	227	227	225
4	Turbidity (NTU)	1.00	5.00	0.66	0.62	0.74	0.62	0.80	0.60	0.59	0.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.3	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	145.15	145.15	141.12	141.12	141.12	141.12	141.12	141.12
8	Total Alkalinity (mg/L)	200.00	600.00	116.48	116.48	116.48	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	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	36.37	36.37	36.37	36.37	36.37	36.37	36.37	36.37
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

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

Date of Testing: 13.05.2026

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	7.82	7.85	7.86
2	Temperature (degree C)	----	----	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	232	237	231
4	Turbidity (NTU)	1.00	5.00	0.96	0.89	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	145.15	145.15	145.15
8	Total Alkalinity (mg/L)	200.00	600.00	128.96	124.80	124.80
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	32.54	34.46	34.46
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: 13.05.2026

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-210	DC-157	DC-245	DC-187
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.95	7.96	7.97	7.93	7.94
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.5	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	229	235	232	236	233	238
4	Turbidity, (NTU)	1.00	5.00	0.83	0.89	0.91	0.86	0.73	0.94
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.4	0.3	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	145.15	145.15	145.15	145.15	145.15	145.15
8	Total Alkalinity, (mg/L)	200.00	600.00	116.48	112.32	116.48	116.48	116.48	112.32
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	32.54	32.54	32.54	32.54	32.54	32.54
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
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: 13.05.2026

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-27	DC-14	DC-10	DB-08
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.95	7.96	7.97	7.98	7.95
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.4	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	229	236	235	237	233	236
4	Turbidity (NTU)	1.00	5.00	0.78	0.63	0.82	0.78	0.77	0.59
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	141.12	137.08	137.08	137.08	141.12	141.12
8	Total Alkalinity. (mg/L)	200.00	600.00	112.32	112.32	112.32	112.32	112.32	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	32.54	34.45	32.54	32.54	32.54	34.45
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 – V

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

Date of Testing: 15.05.2026

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-246	CA-24	CA-27	CB-41	CB-18	CA-40
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.87	7.89	7.91	7.90	7.93	7.97	7.96
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.7	25.7	25.9	25.9	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	214	215	217	218	218	217	218	216
4	Turbidity (NTU)	1.00	5.00	0.74	0.62	0.64	0.56	0.58	0.56	0.55	0.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	136.14	136.14	140.14	136.14	136.14	136.14	136.14	136.14
8	Total Alkalinity (mg/L)	200.00	600.00	111.24	111.24	107.12	111.24	111.24	111.24	111.24	111.24

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: 15.05.2026

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.	BD-86	BE-17	BF-75	BC-92	BF-56
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.97	7.96	7.98	7.95	7.97
2	Temperature (degree C)	----	----	26.1	26.2	26.2	26.3	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	218	218	217	217	219	218	218
4	Turbidity (NTU)	1.00	5.00	0.66	0.62	0.85	0.60	0.72	0.81	0.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.3	0.2	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	132.13	132.13	132.13	128.13	132.13	132.13	132.13
8	Total Alkalinity (mg/L)	200.00	600.00	111.24	111.24	111.24	111.24	111.24	111.24	111.24

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: 18.05.2026

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	7.95	7.98	7.99	7.99
2	Temperature(degree C)	----	----	26.9	26.7	26.6	26.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	228	227	231	229
4	Turbidity, (NTU)	1.00	5.00	0.92	0.91	0.89	0.88
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	136.14	136.14	132.13	132.13
8	Total Alkalinity, (mg/L)	200.00	600.00	111.24	111.24	111.24	111.24

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 18.05.2026

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	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.96	7.98	7.99
2	Temperature(degree C)	----	----	26.5	26.5	26.4	26.6	26.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	230	229	231	226	224
4	Turbidity, (NTU)	1.00	5.00	0.92	0.94	0.90	0.97	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	140.14	136.17	136.17	136.17	136.17
8	Total Alkalinity, (mg/L)	200.00	600.00	111.24	111.24	111.24	111.24	111.24

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 & Bacteriological)

Date of Testing: 19.05.2026

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/1/C/170	CE-173	CE-133	CE/1/C/52	CE-201
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.91	7.93	7.92	7.91	7.90	7.93
2	Temperature(degree C)	----	----	26.7	26.6	26.5	26.5	26.5	26.6	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	221	220	227	226	219	220	224
4	Turbidity (NTU)	1.00	5.00	0.56	0.59	0.54	0.75	0.81	0.70	0.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	136.14	132.13	132.13	132.13	128.13	128.13	128.13
8	Total Alkalinity (mg/L)	200.00	600.00	107.12	107.12	107.12	107.12	107.12	107.12	107.12
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.18	32.06	32.06	32.06	32.06	32.06	32.06
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: 19.05.2026

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-152	AK-06	AL/1/C/2	AI-97
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.82	7.83	7.82	7.83	7.84
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	228	225	221	221	218	222
4	Turbidity, (NTU)	1.00	5.00	0.67	0.65	0.77	0.70	0.72	0.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.1	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	132.13	128.13	132.13	128.13	132.13	128.13
8	Total Alkalinity, (mg/L)	200.00	600.00	111.24	111.24	107.12	107.12	111.24	107.12
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	32.06	32.06	32.06	32.06	32.06
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.

**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: 21.05.2026

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	7.94	7.93	7.92
2	Temperature (degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	220	218	216
4	Turbidity (NTU)	1.00	5.00	0.82	0.59	0.74
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	136.14	136.14	136.14
8	Total Alkalinity (mg/L)	200.00	600.00	111.24	111.24	115.36

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: 21.05.2026

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-157	DC- 187	DC-210	DC-245
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.89	7.94	7.93	7.93	7.96
2	Temperature (degree C)	----	----	26.8	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	220	218	217	215	216	217
4	Turbidity, (NTU)	1.00	5.00	0.50	0.66	0.82	0.87	0.53	0.70
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.4	0.3	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	132.13	136.14	132.13	128.13	124.12	132.13
8	Total Alkalinity, (mg/L)	200.00	600.00	111.24	111.24	111.24	111.24	111.24	111.24

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: 21.05.2026

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.	DC-14	DB-08	DA-27	DC-10
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.85	7.98	7.97	7.94	7.95
2	Temperature (degree C)	----	----	26.5	26.8	26.5	26.5	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	212	212	215	218	219	220
4	Turbidity (NTU)	1.00	5.00	0.54	0.58	0.76	0.68	0.70	0.72
5	Residual Free Chlorine	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	128.13	132.13	136.14	132.13	132.13	132.13
8	Total Alkalinity. (mg/L)	200.00	600.00	111.24	111.24	111.24	111.24	111.24	111.24

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: 22.05.2026

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.	AC-190	AA-186	AC-16	AC-55	AC-154	AC-159
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.74	7.83	7.84	7.86	7.89	7.91	7.93
2	Temperature (degree C)	----	----	25.0	25.0	26.4	26.4	26.4	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	204	202	205	202	203	203	204
4	Turbidity (NTU)	1.00	5.00	0.55	0.50	0.64	0.68	0.53	0.74	0.54	0.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.3	0.2	0.2	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	128.13	132.13	136.14	132.13	132.13	132.13	132.13	136.14
8	Total Alkalinity (mg/L)	200.00	600.00	111.24	111.24	115.36	115.36	119.48	119.48	111.24	119.48

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
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: 25.05.2026

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.	AE-50	AE-80	AE-85	AE-52	AE-97	AE-109
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.79	7.74	7.71	7.75	7.78	7.81	7.82
2	Temperature (degree C)	----	----	26.8	26.8	26.5	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	212	207	206	209	207	206	207	207
4	Turbidity (NTU)	1.00	5.00	0.52	0.58	0.60	0.64	0.66	0.57	0.59	0.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.2	0.4	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	128.13	128.13	128.13	132.13	132.13	136.14	136.14	136.14
8	Total Alkalinity (mg/L)	200.00	600.00	111.24	107.12	107.12	107.12	107.12	107.12	107.12	107.12
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	28.29	30.18	30.18	32.06	32.06	32.06	32.06
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 - I

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

Date of Testing: 29.05.2026

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.	AC-17	AA-05	AC-107	AC-55	AA-154	AC-191
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.80	7.75	7.80	7.78	7.79	7.76	7.78
2	Temperature (degree C)	----	----	25.6	25.4	25.6	25.6	25.6	25.7	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	211	214	211	208	211	209	212	209
4	Turbidity (NTU)	1.00	5.00	0.58	0.49	0.68	0.56	0.72	0.53	0.76	0.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	120.12	120.12	128.13	128.13	128.13	124.12	128.13	124.12
8	Total Alkalinity (mg/L)	200.00	600.00	103.00	98.88	94.76	94.76	94.76	98.88	98.88	94.76
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	30.18	32.06	32.06	32.06	32.06	32.06	32.06	32.06
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.

ACTION AREA – II
(MAY' 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 – II A, O.H.R – 17
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 08.05.2026

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	7.96	7.95	7.92
2	Temperature (degree C)	----	----	26.6	26.8	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	236	239	235
4	Turbidity (NTU)	1.00	5.00	0.57	0.96	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	149.18	149.18	145.15
8	Total Alkalinity (mg/L)	200.00	600.00	120.64	120.64	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
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: 08.05.2026

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	MALANCHA	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	7.92	7.90	7.93	7.92	7.91	7.99	7.97
2	Temperature (degree C)	----	----	26.9	26.7	26.6	26.4	26.4	26.2	26.5	26.6
3	Total Dissolved Solid (mg/L)	500	2000	240	235	249	242	243	235	238	235
4	Turbidity (NTU)	1.00	5.00	0.98	0.98	0.96	0.93	0.93	0.98	0.95	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.1	0.3	0.1	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	145.15	145.15	149.18	141.12	149.18	145.15	141.12	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	116.48	116.48	120.64	116.48	120.64	120.64	124.80	124.80

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 C, O.H.R – 13

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

Date of Testing: 14.05.2026

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	7.96	7.97	7.95	7.93	7.98	7.94	7.95
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	221	219	218	218	220	221	221
4	Turbidity (NTU)	1.00	5.00	0.98	0.84	0.93	0.86	0.91	0.75	0.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	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	141.12	137.08	141.12	137.08	141.12	141.12	141.12
8	Total Alkalinity (mg/L)	200.00	600.00	112.32	112.32	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	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	32.54	34.45	32.54	32.54	32.54	32.54	34.45
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- 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 – IID, O.H.R – 11

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

Date of Testing: 14.05.2026

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	7.96	7.95	7.96	7.98
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	219	220	220	220
4	Turbidity (NTU)	1.00	5.00	0.91	0.82	0.92	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	141.12	137.08	137.08	137.08
8	Total Alkalinity (mg/L)	200.00	600.00	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
10	Chloride (mg/L)	250.00	1000.00	32.54	34.45	34.45	34.45
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: 14.05.2026

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	7.98	7.97	7.95
2	Temperature (degree C)	----	----	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	219	218	219
4	Turbidity (NTU)	1.00	5.00	0.89	0.77	0.85
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	145.15	145.15	145.15
8	Total Alkalinity (mg/L)	200.00	600.00	112.32	116.48	112.32
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	32.54	32.54	32.54
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 18.05.2026

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	7.97	7.95
2	Temperature (degree C)	----	----	26.7	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	231	230
4	Turbidity (NTU)	1.00	5.00	0.89	0.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	136.14	136.14
8	Total Alkalinity (mg/L)	200.00	600.00	111.24	111.24

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: 27.05.2026

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	7.80	7.87	7.86
2	Temperature (degree C)	----	----	26.8	26.8	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	209	208	210
4	Turbidity (NTU)	1.00	5.00	0.62	0.61	0.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	128.13	128.13	132.13
8	Total Alkalinity (mg/L)	200.00	600.00	107.12	107.12	115.36
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.18	30.18	32.06
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: 27.05.2026

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	MALANCHA	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	7.78	7.81	7.72	7.76	7.79	7.78	7.83	7.88
2	Temperature (degree C)	----	----	26.5	26.5	26.6	26.6	26.7	26.7	26.7	26.7
3	Total Dissolved Solid (mg/L)	500	2000	207	207	207	208	209	208	209	208
4	Turbidity (NTU)	1.00	5.00	0.68	0.71	0.78	0.71	0.91	0.79	0.78	0.55
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.3	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	132.13	132.13	132.13	136.14	132.13	128.13	128.13	128.13
8	Total Alkalinity (mg/L)	200.00	600.00	103.00	103.00	107.12	111.24	115.36	111.24	107.12	107.12
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	30.18	30.18	30.18	30.18	30.18	30.18	28.29	30.18
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.