

**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
SEPTEMBER' 2025**

ACTION AREA – I
(SEPTEMBER' 2025)

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

TEST REPORT: ACTION AREA –I

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

Date of Testing: 01.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.82
2	Temperature (degree C)	----	----	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.6	157.9	156.8
4	Turbidity (NTU)	1.00	5.00	0.85	0.79	0.84
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	100.50	100.50	100.50
8	Total Alkalinity (mg/L)	200.00	600.00	93.20	93.20	93.20
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97
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.

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 & Bacteriological)

Date of Testing: 01.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF - 94	DC-212	DC-230
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.81	7.80	7.83	7.87	7.86
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	157.6	157.2	157.5	157.2	157.8	157.7
4	Turbidity, (NTU)	1.00	5.00	0.68	0.81	0.96	0.95	0.91	0.87
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.3	0.2	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	100.50	100.50	100.50	100.50	100.50	100.50
8	Total Alkalinity, (mg/L)	200.00	600.00	93.20	93.20	97.86	97.86	97.86	97.86
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	16.97	16.97	16.97	16.97	16.97	16.97
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: AA – I. O.H.R – VIII
Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 01.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-12	DC-31	DA-13	DB-216
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.84	7.81	7.82	7.83	7.82
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	158.8	158.5	158.8	157.8	158.5	157.7
4	Turbidity (NTU)	1.00	5.00	0.60	0.69	0.67	0.62	0.64	0.67
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.3	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	100.50	100.50	104.52	104.52	100.50	100.50
8	Total Alkalinity. (mg/L)	200.00	600.00	93.20	93.20	93.20	93.20	93.20	93.20
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97
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, O.H.R - IV
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 02.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	BC-143	BD-86	BB-48	BC-184	BB-114	BC-171
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.77	7.83	7.86	7.87	7.88	7.89	7.91
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.4	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.3	157.3	158.1	157.3	157.6	158.0	158.6	157.8
4	Turbidity (NTU)	1.00	5.00	0.87	0.81	0.87	0.86	0.87	0.82	0.86	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.1	0.3	0.2	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	104.52	96.48	104.52	100.50	100.50	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	107.18	102.52	97.86	102.52	97.86	102.52	97.86	97.86

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 04.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-222	CB-41	CA-27	CA-66
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.68	7.74	7.72	7.70	7.71
2	Temperature(degree C)	----	----	26.0	26.0	26.0	26.0	25.9	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.3	156.1	155.9	154.4	154.0	154.4
4	Turbidity (NTU)	1.00	5.00	0.74	0.65	0.72	0.62	0.59	0.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	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	104.52	96.48	104.52	100.50	100.50	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	107.18	102.52	97.86	97.86	97.86	97.86
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	18.85	16.97	16.97	16.97	16.97	16.97
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, O.H.R – VI

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

Date of Testing: 04.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VI						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE-133	CE -173	CE/1/C/46	CE-103
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.72	7.80	7.82	7.84	7.85	7.85
2	Temperature(degree C)	----	----	25.8	25.8	25.9	25.9	25.8	25.8	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	154.0	154.3	154.1	154.7	155.4	154.0	155.3
4	Turbidity (NTU)	1.00	5.00	0.74	0.70	0.91	0.58	0.83	0.70	0.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.4	0.3	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	100.50	100.50	100.50	100.50	100.50	100.50	100.50
8	Total Alkalinity (mg/L)	200.00	600.00	97.86	97.86	93.20	93.20	93.20	93.20	93.20
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	16.97	16.97	16.97	16.97	16.97
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

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

Date of Testing: 08.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AE-57	AE-80	AE-97	AE-65
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.80	7.81	7.83	7.82	7.86
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	222	212	209	207	206	207
4	Turbidity (NTU)	1.00	5.00	0.86	0.58	0.51	0.55	0.59	0.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	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	104.52	104.52	104.52	108.54	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	102.52	102.52	102.52	102.52	102.52	102.52
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 , 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: 08.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - III					
				INLET OF O.H. R	OUTLET OF O.H. R	AI/1/C/2	AI-68	AL/1/C/42	AL/1/C/29
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.80	7.82	7.84	7.85	7.86
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	209	206	207	208	206	206
4	Turbidity, (NTU)	1.00	5.00	0.58	0.58	0.80	0.61	0.90	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	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	100.50	104.52	108.54	108.54	108.54	104.52
8	Total Alkalinity, (mg/L)	200.00	600.00	102.52	102.52	102.52	107.18	102.52	107.18
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	20.75	20.75	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.

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: 09.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - VI							
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE-173	CE /1/C/203	CE /1/C/46	CE -197	NBCC	CE/1/B/76
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.67	7.74	7.76	7.82	7.86	7.84	7.80
2	Temperature (degree C)	----	----	26.0	26.0	26.1	26.1	26.1	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	221	220	217	219	221	216	215	213
4	Turbidity (NTU)	1.00	5.00	0.63	0.60	0.71	0.63	0.60	0.73	0.66	0.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.3	0.2	0.4	0.1	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	104.52	100.50	100.50	104.52	108.54	108.54	100.50	100.50
8	Total Alkalinity (mg/L)	200.00	600.00	102.52	102.52	93.20	93.20	102.52	102.52	97.86	102.52

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: 12.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	CHITTARANJAN NATIONAL CANCER INSTITUTE
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.90	7.95	7.93
2	Temperature(degree C)	----	----	26.9	26.8	26.6	26.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	166.3	165.8	167.1	167.2
4	Turbidity, (NTU)	1.00	5.00	0.87	0.69	0.95	0.90
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	108.54	112.56	112.56	112.56
8	Total Alkalinity, (mg/L)	200.00	600.00	111.84	116.50	111.84	107.18

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: 12.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.89	7.92	7.91	7.91
2	Temperature(degree C)	----	----	26.8	26.5	26.6	26.6	26.5
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	164.7	164.5	166.6	164.4	164.8
4	Turbidity, (NTU)	1.00	5.00	0.91	0.98	0.94	0.96	0.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	112.56	108.54	112.56	112.56	112.56
8	Total Alkalinity, (mg/L)	200.00	600.00	111.84	111.84	107.18	107.18	107.18

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 15.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-35	CA-231	CA-240	CB-41	CB-08
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.82	7.89	7.90	7.91	7.88	7.89
2	Temperature(degree C)	----	----	26.5	26.5	26.2	26.2	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.4	164.4	162.9	162.1	162.9	162.6	160.1
4	Turbidity (NTU)	1.00	5.00	0.62	0.67	0.74	0.87	0.85	0.66	0.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	113.68	117.74	113.68	109.62	113.68	113.68	113.68
8	Total Alkalinity (mg/L)	200.00	600.00	100.74	100.74	96.36	100.74	100.74	100.74	105.12

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.

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: 15.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - III							
				INLET OF O.H.R	OUTLET OF O.H.R	AL-11	AI-54	AI-68	AI/153/23	AL/1/B/1	AL/1/C/40
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.94	7.93	7.96	7.98	7.97	7.98	7.97
2	Temperature(degree C)	----	----	26.4	26.3	26.3	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	164.4	163.3	165.2	164.4	165.2	163.3	165.4	164.3
4	Turbidity, (NTU)	1.00	5.00	0.74	0.86	0.89	0.95	0.96	0.76	0.75	0.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	113.68	109.62	117.74	113.68	117.74	117.74	117.74	117.74
8	Total Alkalinity, (mg/L)	200.00	600.00	105.12	105.12	105.12	100.74	100.74	100.74	105.12	105.12

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.

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

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

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

Date of Testing: 18.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	BC-171	BB-48	BB-114	BD-86	SNEHODIYA
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.82	7.86	7.91	7.94	7.93	7.96
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.7	184.7	183.9	184.8	183.4	184.2	183.9
4	Turbidity (NTU)	1.00	5.00	0.66	0.73	0.95	0.71	0.83	0.94	0.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	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	109.62	113.68	117.74	113.68	113.68	117.74	117.74
8	Total Alkalinity (mg/L)	200.00	600.00	96.36	96.36	91.98	91.98	91.98	91.98	91.98
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	21.06	22.97	21.06	19.14	19.14	19.14	19.14
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

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

Date of Testing: 19.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - I							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AC- 16	AA-194	AA-148	AC-190	AA-152	AD- 26
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.78	7.76	7.77	7.79	7.84	7.87	7.89
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.3	186.6	186.3	186.0	186.1	185.4	185.9	185.6
4	Turbidity (NTU)	1.00	5.00	0.79	0.67	0.61	0.74	0.71	0.85	0.77	0.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.1	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	117.74	113.68	117.74	117.74	117.74	117.74	117.74	113.68
8	Total Alkalinity (mg/L)	200.00	600.00	105.12	109.50	105.12	109.50	109.50	105.12	105.12	105.12
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	21.05	21.05	19.14	19.14	19.14	19.14	19.14	19.14
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

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

Date of Testing: 22.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.68	7.65
2	Temperature (degree C)	----	----	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.6	186.9	186.6
4	Turbidity (NTU)	1.00	5.00	0.79	0.71	0.66
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	117.74	113.68	113.68
8	Total Alkalinity (mg/L)	200.00	600.00	105.12	109.50	105.12

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: 22.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-212	DC- 187	DC-230	DC-157
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.75	7.76	7.78	7.80	7.81
2	Temperature (degree C)	----	----	26.4	26.4	26.5	26.5	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	186.0	184.9	185.1	184.4	184.9	185.1
4	Turbidity, (NTU)	1.00	5.00	0.66	0.70	0.67	0.84	0.75	0.72
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.4	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	121.80	117.74	113.68	113.68	117.74	113.68
8	Total Alkalinity, (mg/L)	200.00	600.00	105.12	100.74	105.12	105.12	109.50	109.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 22.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-27	DC-31	DA-13	DB-216
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.85	7.84	7.86	7.87
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	186.0	184.8	185.8	186.4	185.6	186.1
4	Turbidity (NTU)	1.00	5.00	0.96	0.95	0.96	0.79	0.86	0.83
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	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	121.80	117.74	113.68	113.68	117.74	113.68
8	Total Alkalinity. (mg/L)	200.00	600.00	105.12	100.74	105.12	105.12	109.50	109.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

ACTION AREA – II
(SEPTEMBER' 2025)

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

TEST REPORT: AA – II C, O.H.R – 13

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

Date of Testing: 11.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, O.H.R - 13						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.81	7.80	7.81	7.82	7.80	7.82
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.1	155.6	156.0	155.1	155.1	159.2	155.1
4	Turbidity (NTU)	1.00	5.00	0.74	0.86	0.97	0.56	0.89	0.72	0.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.3	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	112.56	108.54	112.56	112.56	112.56	112.56	112.56
8	Total Alkalinity (mg/L)	200.00	600.00	116.50	116.50	111.84	111.84	111.84	111.84	107.18
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	18.85	16.97	16.97	16.97	18.85	18.85
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

N.F- NOT FOUND,

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

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

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

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

TEST REPORT: AA – II D, O.H.R – 11

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

Date of Testing: 11.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IID, O.H.R - 11		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA
A. Physico-Chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.83	7.83
2	Temperature (degree C)	----	----	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.1	156.0	155.5
4	Turbidity (NTU)	1.00	5.00	0.96	0.82	0.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	1.5	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	108.54	104.52	112.56
8	Total Alkalinity (mg/L)	200.00	600.00	116.50	111.84	111.84
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.85	18.85	16.97
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – II D, O.H.R – 12

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

Date of Testing: 11.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IID, O.H.R - 12		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD AMBITION
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.82	7.80
2	Temperature (degree C)	----	----	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	155.6	155.5	155.1
4	Turbidity (NTU)	1.00	5.00	0.79	0.92	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	100.50	104.52	108.54
8	Total Alkalinity (mg/L)	200.00	600.00	116.50	121.16	111.84
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.85	20.74	16.97
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: 12.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				AA – IIG, O.H.R – 18	
				INLET OF O.H.R.	OUTLET OF O.H.R.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.95
2	Temperature (degree C)	----	----	26.4	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	164.5	163.5
4	Turbidity (NTU)	1.00	5.00	0.97	0.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	108.54	112.56
8	Total Alkalinity (mg/L)	200.00	600.00	107.18	107.18

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: 24.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, O.H.R – 17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.90	7.92
2	Temperature (degree C)	----	----	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.5	169.7	171.8
4	Turbidity (NTU)	1.00	5.00	0.91	0.93	0.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	105.56	101.50	101.50
8	Total Alkalinity (mg/L)	200.00	600.00	91.98	91.98	87.60
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.14	19.14	17.23
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 24.09.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIB, O.H.R – 15						
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	PLOT-1590	MALANCHI	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:										
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.69	7.73	7.74	7.73	7.76	7.83	7.85
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.5	26.5	26.5	26.6
3	Total Dissolved Solid (mg/L)	500	2000	170.1	172.8	172.6	171.9	172.7	170.8	172.7
4	Turbidity (NTU)	1.00	5.00	0.96	0.86	0.97	0.83	0.84	0.88	0.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.3	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	101.50	101.50	97.44	97.44	101.50	101.50	101.50
8	Total Alkalinity (mg/L)	200.00	600.00	87.60	87.60	87.60	87.60	91.98	91.98	91.98
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	19.14	19.14	17.23	19.14	19.14	17.23	17.23
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.