

**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
AUGUST' 2025**

ACTION AREA – I
(AUGUST' 2025)

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

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

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

Date of Testing: 06.08.2025

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	CB-49	CA-231
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.39	7.61	7.62	7.60	7.62
2	Temperature(degree C)	----	----	26.7	26.7	26.6	26.5	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	150.1	150.5	150.0	150.2	149.7	150.1
4	Turbidity (NTU)	1.00	5.00	0.82	0.52	0.63	0.71	0.50	0.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	98.69	102.64	102.64	102.64	102.64	102.64
8	Total Alkalinity (mg/L)	200.00	600.00	93.66	84.74	89.20	89.20	89.20	89.20
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	1000	22.63	22.63	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
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
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 08.08.2025

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.	BF-58	BE-40	BC-76	BC-146	BC-107	BF-75
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.73	7.74	7.79	7.76	7.78	7.77	7.76
2	Temperature (degree C)	----	----	25.7	25.6	25.6	25.6	25.7	25.7	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	145.2	145.0	143.1	144.6	145.5	144.9	143.8	145.6
4	Turbidity (NTU)	1.00	5.00	0.62	0.68	0.88	0.61	0.55	0.60	0.92	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.4	0.3	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	102.64	102.64	106.58	106.58	106.58	106.58	106.58	106.58
8	Total Alkalinity (mg/L)	200.00	600.00	93.66	84.74	89.20	89.20	89.20	89.20	89.20	89.20

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
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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: 08.08.2025

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-107	DA-83	DA-52	DC-43	DA-43
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.60	7.65	7.67	7.68	7.69	7.71
2	Temperature (degree C)	----	----	25.9	25.9	25.8	25.8	25.8	25.7	25.7
3	Total Dissolved Solid.	500.00	2000.00	142.8	143.0	143.4	143.4	143.6	144.3	144.7
4	Turbidity (NTU)	1.00	5.00	0.82	0.67	0.87	0.86	0.92	0.66	0.60
5	Residual Free Chlorine	0.20	1.00	0.4	0.4	0.3	0.2	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	98.69	102.64	102.64	102.64	102.64	106.59	106.59
8	Total Alkalinity. (mg/L)	200.00	600.00	93.66	84.74	89.20	89.20	89.20	89.20	89.20

O.H.R. - OVER HEAD RESERVOIR

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

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Assistant Engineer
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Sd/-
Executive Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 11.08.2025

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	7.70	7.75	7.76	7.80
2	Temperature(degree C)	----	----	25.1	25.1	25.2	25.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	138.6	140.0	141.4	141.5
4	Turbidity, (NTU)	1.00	5.00	0.90	0.94	1.13	1.15
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	98.69	102.64	102.64	102.64
8	Total Alkalinity, (mg/L)	200.00	600.00	80.28	84.74	80.28	80.28

O.H.R. – OVER HEAD RESERVOIR

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 11.08.2025

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	7.84	7.86	7.83	7.84	7.79
2	Temperature(degree C)	----	----	25.4	25.4	25.4	25.4	25.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	140.3	140.4	140.5	140.4	140.5
4	Turbidity, (NTU)	1.00	5.00	0.96	0.98	1.18	1.11	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.4	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	98.69	98.69	98.69	102.64	98.69
8	Total Alkalinity, (mg/L)	200.00	600.00	80.28	84.74	89.20	89.20	89.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant 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: 12.08.2025

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-80	AE-65	AE-104	AE-57
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.65	7.66	7.69	7.70	7.71
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.1	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.4	142.8	142.0	143.1	143.3	143.1
4	Turbidity (NTU)	1.00	5.00	0.91	0.95	0.93	0.94	0.96	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.2	0.4	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	102.64	98.69	102.64	98.69	98.69	102.64
8	Total Alkalinity (mg/L)	200.00	600.00	80.28	75.82	75.82	84.74	80.28	84.74
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	20.74	22.63	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
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.

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Executive Engineer
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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: 12.08.2025

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	AI/153/23
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.73	7.73	7.79	7.82	7.85	7.84
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	143.8	144.3	144.2	144.5	143.5	143.7	143.5
4	Turbidity, (NTU)	1.00	5.00	0.95	0.90	0.96	0.90	0.94	0.98	0.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.2	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	102.64	98.69	98.69	98.69	94.74	98.69	94.74
8	Total Alkalinity, (mg/L)	200.00	600.00	89.20	84.74	80.28	80.28	80.28	75.82	80.28
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	22.63	20.75	20.75	22.63	22.63	22.63	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: 14.08.2025

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 /1/C/41	CE -74	CE-173	CE-52
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.68	7.65	7.64	7.65	7.68	7.70
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.3	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.4	140.6	140.7	141.0	140.8	141.0
4	Turbidity (NTU)	1.00	5.00	0.92	0.92	0.95	0.93	0.94	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	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	94.74	94.74	86.84	90.79	94.74	94.74
8	Total Alkalinity (mg/L)	200.00	600.00	89.20	84.74	80.28	80.28	80.28	80.28

O.H.R - OVER HEAD RESERVOIR

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

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

Sd/-
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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)

Date of Testing: 14.08.2025

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-43	DA-94	DA-102	DA-52	DA-116
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.70	7.73	7.72	7.73	7.74	7.75
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.3	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	141.0	141.5	141.0	142.6	142.7	142.6	141.5
4	Turbidity (NTU)	1.00	5.00	0.79	0.83	0.85	0.92	0.81	0.94	0.96
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.3	0.4	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	94.74	94.74	98.69	98.69	98.69	98.69	98.69
8	Total Alkalinity. (mg/L)	200.00	600.00	80.28	80.28	80.28	80.28	80.28	80.28	80.28

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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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 20.08.2025

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	AC- 23	AC-190	AD-25	AC-170	AA-160

A. Physico-chemical Test Results:

1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.53	7.60	7.62	7.65	7.63	7.67	7.68
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.3	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.9	161.7	161.1	162.7	163.3	162.8	163.1	163.8
4	Turbidity (NTU)	1.00	5.00	0.60	0.68	0.61	0.65	0.59	0.62	0.50	0.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.2	0.2	0.2	0.3
6	Odour	Agreeable									

B. Chemical Test Results:

7	Total Hardness (mg/L)	200.00	600.00	103.31	99.34	103.31	99.34	103.31	103.31	103.31	99.34
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	88.40	92.82	88.40	88.40	92.82	92.82	88.40

O.H.R – OVER HEAD RESERVOIR

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 22.08.2025

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.	BD-86	BF-76	BC-143	BC-92	SNEHODIYA
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.73	7.78	7.81	7.82	7.85	7.86
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204.0	164.0	160.7	160.0	160.6	160.7	160.0
4	Turbidity (NTU)	1.00	5.00	0.63	0.61	0.95	0.97	0.90	0.91	0.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	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	99.34	99.34	103.31	103.31	103.31	103.31	103.31
8	Total Alkalinity (mg/L)	200.00	600.00	83.98	88.40	88.40	88.40	88.40	92.82	92.82
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	16.85	16.85	16.85	16.85	16.85	18.72	18.72
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 – V

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

Date of Testing: 25.08.2025

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-27	CA-222	CA-231	CB-41
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.82	7.85	7.88	7.82	7.83	7.85
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.8	157.5	157.2	157.5	158.0	157.5	157.9
4	Turbidity (NTU)	1.00	5.00	0.83	0.67	0.93	0.74	0.80	0.88	0.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	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	103.31	103.31	103.31	103.31	103.31	99.34	99.34
8	Total Alkalinity (mg/L)	200.00	600.00	83.98	83.98	88.40	88.40	88.40	88.40	88.40

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 – VI

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

Date of Testing: 25.08.2025

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	CE/1/C/52	CE-133
A. Physico - chemical Test Results											
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.75	7.76	7.74	7.79	7.75	7.76	7.79
2	Temperature(degree C)	---	---	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.0	157.0	158.4	156.6	157.3	156.9	157.3	157.5
4	Turbidity (NTU)	1.00	5.00	0.69	0.57	0.71	0.82	0.84	0.85	0.69	0.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.3	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	99.34	103.31	99.34	103.31	103.31	99.34	103.31	99.34
8	Total Alkalinity (mg/L)	200.00	600.00	83.98	88.40	88.40	88.40	88.40	83.98	88.40	83.98

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 27.08.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	CNCI
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.76	7.72	7.75
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	205	204	199.8	200
4	Turbidity, (NTU)	1.00	5.00	0.94	0.97	0.95	0.96
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.6	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	99.34	99.34	103.31	99.34
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40
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	16.84	16.84	18.71	16.84
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: 27.08.2025

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	7.78	7.80	7.81	7.79	7.82
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	197.0	198.1	200	204	200
4	Turbidity, (NTU)	1.00	5.00	0.96	0.98	0.95	0.94	0.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.6	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	103.31	103.31	103.31	103.31	103.31
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	92.82	92.82	88.40
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	16.84	16.84	16.84	18.71	16.84
C. Bacteriological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF

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

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

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

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

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

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

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

Date of Testing: 28.08.2025

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-80	BA-104	AE-65	BA-120
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.74	7.73	7.82	7.81	7.82
2	Temperature (degree C)	----	----	26.1	26.2	26.2	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.5	193.1	190.0	188.8	190.6	192.6
4	Turbidity (NTU)	1.00	5.00	0.85	0.86	0.97	0.85	0.89	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	103.31	103.31	99.34	103.31	99.34	103.31
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	92.82	88.40	88.40	88.40	88.40

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

Date of Testing: 28.08.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - III						
				INLET OF O.H.R	OUTLET OF O.H.R	AL/1/C/2	AL-11	AI-68	AI-54	AI/153/23
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.78	7.86	7.85	7.90	7.90	7.95
2	Temperature(degree C)	----	----	25.7	25.7	25.7	25.7	26.6	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.0	188.9	188.1	194.7	190.1	192.9	185.6
4	Turbidity, (NTU)	1.00	5.00	0.79	0.78	0.74	0.92	0.80	0.77	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	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	99.34	103.31	103.31	103.31	103.31	99.34	99.34
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40

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 - I

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

Date of Testing: 29.08.2025

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	AD- 25	AC-190	AC-172	AA-182	AA-194	AC-170	AA-160
A. Physico-chemical Test Results:													
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.83	7.84	7.86	7.87	7.86	7.87	7.85	7.86
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.2	26.1	26.1	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	222	218	220	221	218	220	221	220	218	219
4	Turbidity (NTU)	1.00	5.00	0.81	0.85	0.65	0.71	0.69	0.62	0.86	0.70	0.77	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:													
7	Total Hardness (mg/L)	200.00	600.00	103.31	103.31	103.31	103.31	99.34	103.31	103.31	103.31	103.31	103.31
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	97.24	92.82	88.40	88.40	92.82	92.82	88.40	88.40	92.82
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	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.72	18.72	18.72	18.72	18.72	16.84	18.72	18.72	18.72	18.72
C. Bacteriological Test Results :													
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	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
(AUGUST' 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: 04.08.2025

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	7.68	7.81	7.89	7.92	7.94	7.93	7.95
2	Temperature (degree C)	----	----	26.9	26.8	26.6	26.7	26.4	26.1	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	199.7	191.5	188.0	192.3	171.4	171.4
4	Turbidity (NTU)	1.00	5.00	1.17	1.13	1.13	1.10	1.13	1.12	1.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	106.58	102.63	102.63	106.58	102.63	102.63	102.63
8	Total Alkalinity (mg/L)	200.00	600.00	98.12	98.12	93.66	89.20	89.20	89.20	89.20
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	20.75	20.75	20.75	20.75	20.75	20.75	20.75
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
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: 04.08.2025

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	GREENWOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.93	7.96	7.95
2	Temperature (degree C)	----	----	26.9	26.6	26.8	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.2	171.8	170.9	170.4
4	Turbidity (NTU)	1.00	5.00	1.17	1.16	1.17	1.36
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	110.53	106.58	106.58	106.58
8	Total Alkalinity (mg/L)	200.00	600.00	93.66	89.20	89.20	84.74
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	20.75	20.75	20.75	20.75
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: 04.08.2025

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	7.75	7.89	7.95
2	Temperature (degree C)	----	----	26.5	26.8	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	172.2	171.9	171.8
4	Turbidity (NTU)	1.00	5.00	1.20	1.40	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	106.58	106.58	106.58
8	Total Alkalinity (mg/L)	200.00	600.00	89.20	89.20	84.74
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	20.75
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 – IIIG, O.H.R – 18

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

Date of Testing: 11.08.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				AA – IIIG, 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	7.36	7.79
2	Temperature (degree C)	----	----	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.7	153.8
4	Turbidity (NTU)	1.00	5.00	0.98	0.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	102.64	102.64
8	Total Alkalinity (mg/L)	200.00	600.00	80.28	84.74

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: 18.08.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				AA – II A, O.H.R – 17	
				INLET OF O.H.R.	OUTLET OF O.H.R.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.85
2	Temperature (degree C)	----	----	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.4	164.6
4	Turbidity (NTU)	1.00	5.00	0.80	0.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	95.36	99.34
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.85	16.85
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 B, O.H.R – 15
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 18.08.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – II B, 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	7.73	7.75	7.76	7.79	7.78	7.76	7.75	7.80
2	Temperature (degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500	2000	161.5	164.2	164.5	164.7	164.5	164.2	164.7	165.3
4	Turbidity (NTU)	1.00	5.00	0.93	0.98	0.84	0.84	0.91	0.96	0.97	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.3	0.2	0.1	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	95.36	95.36	99.34	99.34	103.31	103.31	99.34	99.34
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	83.98	83.98	88.40	88.40	88.40	83.98	88.40
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	16.85	14.97	16.85	16.85	16.85	16.85	16.85	16.85
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 26.08.2025

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.	HAJ TOWER
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.91	7.93
2	Temperature (degree C)	----	----	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.9	158.4	158.1
4	Turbidity (NTU)	1.00	5.00	0.92	0.93	1.16
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	103.31	99.34	103.31
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	92.82	88.40
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.84	16.84	16.84
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: 26.08.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – II B, 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	7.75	7.79	7.85	7.87	7.89	7.90	7.93	7.91
2	Temperature (degree C)	---	---	26.1	26.1	26.0	26.0	26.0	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500	2000	154.9	156.0	156.8	156.9	157.5	157.9	157.7	158.7
4	Turbidity (NTU)	1.00	5.00	0.94	1.03	1.07	1.03	1.12	1.18	1.10	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.4	0.3	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	107.28	111.26	111.26	107.28	107.28	103.31	103.31	103.31
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	92.82	88.40	88.40	88.40	88.40	88.40	88.40
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	18.72	16.84	16.84	16.84	18.72	16.84	16.84	16.84
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – IIG, O.H.R – 18

Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological) Date of Testing: 27.08.2025

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	7.82	7.81
2	Temperature (degree C)	----	----	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	202
4	Turbidity (NTU)	1.00	5.00	0.84	0.81
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	103.31	99.34
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.84	16.84
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
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