

**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
DECEMBER' 2025**

ACTION AREA – I
(DECEMBER' 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 - II
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 02.12.2025

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-65	AE-80	AE-68	AE-85	AE-97
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.79	7.81	7.80	7.82	7.81	7.83	7.84
2	Temperature (degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	201	200	201	200	200	201	200
4	Turbidity (NTU)	1.00	5.00	0.88	0.85	0.55	0.84	0.74	0.61	0.89	0.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	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	164.29	168.19	164.29	168.19	168.19	164.29	164.29	164.29
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	153.00	153.00	153.00	157.50	153.00	157.50

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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 03.12.2025

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-40	CA-82	CB-41	CA-246	CA-237
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.89	7.87	7.88	7.89	7.87	7.86
2	Temperature(degree C)	----	----	25.1	25.1	25.0	25.0	25.0	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	201	201	202	201	202	201
4	Turbidity (NTU)	1.00	5.00	0.77	0.60	0.68	0.88	0.69	0.76	0.59
5	Residual Free Chlorine (mg/L)	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	156.46	156.46	152.55	152.55	156.46	152.55	156.46
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	157.50	157.50	157.50	157.50	157.50
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	28.29	30.18	28.29	28.29	28.29	28.29	28.29
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

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

Date of Testing: 03.12.2025

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/67	CE/1/C/183	CE -133	CE-154
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.78	7.81	7.80	7.83	7.85
2	Temperature(degree C)	----	----	24.9	24.9	24.9	24.9	25.0	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	202	201	201	202	202
4	Turbidity (NTU)	1.00	5.00	0.67	0.60	0.50	0.80	0.49	0.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	156.46	156.46	152.55	156.46	152.55	152.55
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	162.00	162.00	157.50	162.00
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	28.29	28.29	28.29	28.29	30.18	30.18
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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Assistant 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)

Date of Testing: 08.12.2025

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.	BB-48	BB-114	BD-86	BF-75	BC-79
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.87	7.88	7.89	7.87	7.88	7.87
2	Temperature (degree C)	----	----	23.5	23.5	23.5	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.1	195.8	195.8	195.9	196.0	195.7	195.9
4	Turbidity (NTU)	1.00	5.00	0.96	0.94	0.85	0.84	0.97	0.89	0.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	156.46	160.38	156.46	156.46	156.46	156.46	156.46
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	153.00	153.00	153.00	153.00	153.00

O.H.R – OVER HEAD RESERVOIR

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

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Assistant 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)

Date of Testing: 08.12.2025

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/20	AL/1/C/60	AL/12	AI/153/23	AI-68	AL/1/C/6
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.79	7.81	7.83	7.85	7.86	7.87	7.89
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.3	207	195.7	196.1	196.0	196.0	195.9	195.7
4	Turbidity, (NTU)	1.00	5.00	0.86	0.71	0.81	0.87	0.89	0.93	0.86	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.1	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	156.46	156.46	152.55	152.55	152.55	152.55	152.55	156.46
8	Total Alkalinity, (mg/L)	200.00	600.00	166.50	162.00	162.00	162.00	157.50	157.50	157.50	162.00

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

Date of Testing: 09.12.2025

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	7.77	7.79	7.82	7.85
2	Temperature(degree C)	----	----	23.8	23.8	23.9	23.9
3	Total Dissolved Solid(mg/L)	500.00	2000.00	195.7	196.7	196.7	196.4
4	Turbidity, (NTU)	1.00	5.00	0.91	0.96	0.51	0.65
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	164.28	160.38	156.46	156.46
8	Total Alkalinity, (mg/L)	200.00	600.00	157.50	162.00	157.50	162.00
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	26.40	28.29	26.40	26.40
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

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Chemist & Bacteriologist
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: 09.12.2025

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	7.87	7.88	7.87	7.89	7.87
2	Temperature(degree C)	----	----	23.9	23.9	23.8	23.8	23.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	195.4	195.7	195.7	196.0	195.9
4	Turbidity, (NTU)	1.00	5.00	0.68	0.75	0.73	0.82	0.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	160.38	160.38	156.46	156.46	156.46
8	Total Alkalinity, (mg/L)	200.00	600.00	162.00	157.50	162.00	157.50	162.00
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	26.40	26.40	26.40	26.40	26.40
C. Bacteriological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
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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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: 10.12.2025

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.	AA-152	AD-3	AC-8	AC-37	AC-190	AC-174
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.96	7.79	7.96	7.98	7.97	7.98
2	Temperature (degree C)	----	----	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.7	195.1	195.7	195.5	195.1	195.0	195.5	195.4
4	Turbidity (NTU)	1.00	5.00	0.97	0.90	0.91	0.89	0.98	0.96	0.95	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.4	0.3	0.4	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	160.38	160.38	160.38	156.46	152.55	156.46	156.46	152.55
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	162.00	157.50	157.50	157.50	157.50	157.50
19	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	26.40	26.40	26.40	28.29	28.29	28.29	28.29
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

TEST REPORT: ACTION AREA -I

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

Date of Testing: 11.12.2025

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	7.87	7.89	7.88
2	Temperature (degree C)	----	----	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.5	195.9	195.2
4	Turbidity (NTU)	1.00	5.00	0.81	0.79	0.78
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	164.28	160.38	164.28
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	157.50

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

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

TEST REPORT: AA – I, O.H.R – VII

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

Date of Testing: 11.12.2025

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-245	DC- 230	DC-210	DC-187
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.85	7.87	7.88	7.83	7.85
2	Temperature (degree C)	----	----	23.4	23.4	23.5	23.5	23.5	23.5
3	Total Dissolved Solid.	500.00	2000.00	195.6	194.9	195.5	195.1	195.2	195.3
4	Turbidity, (NTU)	1.00	5.00	0.90	0.88	0.87	0.90	0.93	0.95
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.3	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	160.38	160.38	160.38	160.38	160.38	160.38
8	Total Alkalinity, (mg/L)	200.00	600.00	157.50	157.50	157.50	157.50	153.00	153.00

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: 11.12.2025

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-37	DC-27	DC-14	DB-216
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.88	7.86	7.88	7.86	7.87
2	Temperature (degree C)	----	----	23.5	23.5	23.5	23.5	23.5	23.6
3	Total Dissolved Solid.	500.00	2000.00	193.5	195.1	193.8	195.2	195.3	195.3
4	Turbidity (NTU)	1.00	5.00	0.96	0.94	0.98	0.89	0.95	0.88
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	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	164.28	164.28	164.28	164.28	160.38	160.38
8	Total Alkalinity. (mg/L)	200.00	600.00	153.00	153.00	153.00	153.00	153.00	153.00

O.H.R. - OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 15.12.2025

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-40	CB-41	CA-27	CA-246
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.81	7.82	7.84	7.87	7.89
2	Temperature(degree C)	----	----	23.5	23.5	23.5	23.5	23.5	23.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	204	205	206	205	205
4	Turbidity (NTU)	1.00	5.00	0.68	0.60	0.72	0.81	0.57	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	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	156.46	156.46	152.55	152.55	156.46	156.46
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	162.00	162.00	162.00	162.00	157.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 15.12.2025

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/183	CE-133	CE-173	CE /1/C/52	CE/1/B/76
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.79	7.78	7.77	7.78	7.79	7.81
2	Temperature (degree C)	----	----	23.3	23.3	23.3	23.3	23.3	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	206	206	206	206	206	205
4	Turbidity (NTU)	1.00	5.00	0.78	0.50	0.61	0.84	0.55	0.72	0.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.2	0.2	0.3	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	164.28	164.28	156.46	156.46	160.38	156.46	156.46
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	157.50	162.00	157.50	162.00	162.00

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 18.12.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - II							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA-120	AB-72	AB-13	AE-85	AE-97
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.68	7.73	7.76	7.77	7.78	7.82	7.83	7.85
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	206	205	205	204	206	205	205
4	Turbidity (NTU)	1.00	5.00	0.50	0.75	0.54	0.56	0.71	0.65	0.79	0.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	161.21	161.21	157.28	165.14	165.14	157.28	157.28	157.28
8	Total Alkalinity (mg/L)	200.00	600.00	154.80	154.80	150.50	150.50	150.50	150.50	150.50	150.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 22.12.2025

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/28	AI-180	AL/1/C/40	AI/153/18	AL/1/C/6	AL-11
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.91	7.95	7.94	7.96	7.95	7.96	7.97
2	Temperature(degree C)	----	----	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	207	206	207	206	207	206	207
4	Turbidity, (NTU)	1.00	5.00	0.68	0.51	0.52	0.67	0.56	0.62	0.76	0.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.2	0.1	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	161.21	161.21	157.28	157.28	157.28	161.21	161.21	161.21
8	Total Alkalinity, (mg/L)	200.00	600.00	154.80	154.80	159.10	154.80	154.80	154.80	154.80	154.80

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 – I, O.H.R – III

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

Date of Testing: 29.12.2025

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.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.98
2	Temperature(degree C)	----	----	23.4	23.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	196.0	195.2
4	Turbidity, (NTU)	1.00	5.00	0.81	0.69
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	173.01	173.01
8	Total Alkalinity, (mg/L)	200.00	600.00	154.80	154.80
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29
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: ACTION AREA -I, O.H.R – II

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

Date of Testing: 30.12.2025

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-53	AE-80	AE-97	AE-65
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.96	7.98	7.97	7.96	7.97
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.0	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.2	196.2	196.5	195.8	195.9	195.7
4	Turbidity (NTU)	1.00	5.00	0.68	0.84	0.75	0.62	0.80	0.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.4	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	173.01	173.01	169.08	173.01	169.08	165.14
8	Total Alkalinity (mg/L)	200.00	600.00	159.10	159.10	163.40	163.40	159.10	163.40
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	28.29	26.40	26.40	26.40	26.40
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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: 30.12.2025

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-75	BB-48	BD-86	SNEHODIYA
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.98	7.96	7.97	7.98
2	Temperature (degree C)	----	----	23.0	23.0	23.1	23.1	23.1	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.8	195.5	195.6	195.8	195.6	195.5
4	Turbidity (NTU)	1.00	5.00	0.82	0.88	0.87	0.85	0.91	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4	0.2	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	169.08	173.01	169.08	173.01	169.08	165.14
8	Total Alkalinity (mg/L)	200.00	600.00	159.10	159.10	163.40	159.10	159.10	159.10
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	28.29	26.40	26.40	26.40	26.40	26.40
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

ACTION AREA – II
(DECEMBER' 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 A, O.H.R-17

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

Date of Testing: 01.12.2025

	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.	HAZ TOWER
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.95	7.98
2	Temperature (degree C)	----	----	24.5	24.6	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.6	196.6	196.4
4	Turbidity (NTU)	1.00	5.00	0.87	0.92	0.93
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	148.64	148.64	148.64
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	157.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 01.12.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R-15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	PLOT-1590	MALANCHHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.96	7.89	7.97	7.98	7.96	7.90	7.96
2	Temperature (degree C)	----	----	24.4	24.6	24.6	24.5	24.5	24.6	24.5	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.1	196.5	197.0	196.3	196.7	196.5	196.2	195.9
4	Turbidity (NTU)	1.00	5.00	0.87	0.93	0.97	0.95	0.95	0.92	0.96	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	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	148.64	144.73	148.64	148.64	148.64	148.64	148.64	148.64
8	Total Alkalinity (mg/L)	200.00	600.00	162.00	157.50	162.00	162.00	157.50	157.50	157.50	157.50

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – II C, O.H.R – 13

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

Date of Testing: 04.12.2025

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 C, 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	7.85	7.86	7.89	7.88	7.89	7.86	7.86
2	Temperature (degree C)	----	----	25.4	25.4	25.4	25.4	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.7	202	201	202	201	200	201
4	Turbidity (NTU)	1.00	5.00	0.91	0.96	0.93	0.98	0.91	0.97	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.2	0.1	0.1	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	156.46	156.46	160.38	156.46	160.38	156.46	156.46
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	157.50	157.50	162.00	157.50	157.50

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

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

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

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

TEST REPORT: AA – II D, O.H.R – 11

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

Date of Testing: 04.12.2025

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, O.H.R - 11			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA

A. Physico-Chemical Test Results:

1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.87	7.85	7.86
2	Temperature (degree C)	----	----	25.6	25.5	25.6	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	200	199.8	202	199.8
4	Turbidity (NTU)	1.00	5.00	0.91	0.92	0.96	0.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable

B. Chemical Test Results:

7	Total Hardness (mg/L)	200.00	600.00	156.46	156.46	160.38	152.55
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	162.00	162.00

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – II D, O.H.R – 12

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

Date of Testing: 04.12.2025

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	7.85	7.89	7.86
2	Temperature (degree C)	----	----	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	201	200
4	Turbidity (NTU)	1.00	5.00	0.90	0.93	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	156.46	156.46	156.46
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	157.50	162.00

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: AA – IIG, O.H.R – 18

Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological) **Date of Testing: 09.12.2025**

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	7.87	7.88
2	Temperature (degree C)	----	----	23.9	23.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.2	195.7
4	Turbidity (NTU)	1.00	5.00	0.85	0.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	164.28	164.28
8	Total Alkalinity (mg/L)	200.00	600.00	162.00	162.00
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29
C. Bacteriological Test Results:					
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF

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

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

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

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

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

TEST REPORT: AA – II C, O.H.R – 13

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

Date of Testing: 16.12.2025

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	7.81	7.83	7.85	7.84	7.85	7.87	7.89
2	Temperature (degree C)	----	----	24.1	24.1	24.1	24.2	24.2	24.2	24.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	204	205	205	205	205
4	Turbidity (NTU)	1.00	5.00	0.61	0.75	0.86	0.78	0.87	0.65	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.3	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	157.28	161.21	169.08	161.21	161.21	161.21	161.21
8	Total Alkalinity (mg/L)	200.00	600.00	159.10	150.50	154.80	154.80	154.80	154.80	159.10
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	30.18	28.29	26.40	26.40	26.40	28.29
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

N.F- NOT FOUND,

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

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

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

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

TEST REPORT: AA – II D, O.H.R – 11

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

Date of Testing: 16.12.2025

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	7.94	7.95	7.97	7.98
2	Temperature (degree C)	----	----	24.3	24.3	24.3	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	204	204	205
4	Turbidity (NTU)	1.00	5.00	0.83	0.81	0.65	0.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	161.21	165.14	157.28	157.28
8	Total Alkalinity (mg/L)	200.00	600.00	154.80	154.80	159.10	159.10
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	26.40	26.40	26.40
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: 16.12.2025

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	7.90	7.92	7.93
2	Temperature (degree C)	----	----	24.2	24.2	24.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	206	205
4	Turbidity (NTU)	1.00	5.00	0.91	0.88	0.87
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	161.21	161.21	157.28
8	Total Alkalinity (mg/L)	200.00	600.00	150.50	154.80	146.20
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29	28.29
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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)

Date of Testing: 19.12.2025

	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.	CBD
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)	----	----	24.0	24.0	24.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	206	205	205
4	Turbidity (NTU)	1.00	5.00	0.74	0.86	0.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	157.28	157.28	153.35
8	Total Alkalinity (mg/L)	200.00	600.00	159.10	154.80	159.10

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: 19.12.2025

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 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.	6.5-8.5	6.5-8.5	7.80	7.81	7.82	7.81	7.82	7.84	7.87	7.84
2	Temperature (degree C)	----	----	24.0	24.0	24.0	24.0	24.1	24.1	24.1	24.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	206	205	205	206	206	205	205
4	Turbidity (NTU)	1.00	5.00	0.78	0.83	0.80	0.56	0.96	0.89	0.94	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.4	0.2	0.2	0.3	0.4
6	Odour	Agreeable									

B. Chemical Test Results:

7	Total Hardness (mg/L)	200.00	600.00	165.14	161.21	161.21	157.28	161.21	157.28	165.14	165.14
8	Total Alkalinity (mg/L)	200.00	600.00	159.10	159.10	159.10	163.40	163.40	163.40	159.10	163.40

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.