

**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
NOVEMBER' 2025**

ACTION AREA – I
(NOVEMBER' 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)

Date of Testing: 03.11.2025

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-27	CA-246	CB-41	CB-08
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.98	7.97	7.98	7.96
2	Temperature(degree C)	----	----	26.6	26.6	26.7	26.7	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.5	161.4	161.8	161.6	161.6	161.8
4	Turbidity (NTU)	1.00	5.00	0.92	0.95	0.93	0.95	0.98	0.94
5	Residual Free Chlorine (mg/L)	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	137.76	141.82	141.82	141.82	141.82	141.82
8	Total Alkalinity (mg/L)	200.00	600.00	139.50	144.00	144.00	139.50	144.00	144.00

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 – VI

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

Date of Testing: 03.11.2025

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/B/76	CE /1/C/203	CE-173	CE-133
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.98	7.97	7.98	7.96
2	Temperature (degree C)	----	----	26.6	26.6	26.7	26.7	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.5	161.4	161.8	161.6	161.6	161.8
4	Turbidity (NTU)	1.00	5.00	0.92	0.95	0.93	0.95	0.98	0.94
5	Residual Free Chlorine (mg/L)	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	141.82	137.76	133.72	133.72	133.72	133.72
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	139.50	139.50	144.00	144.00	144.00

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

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

Date of Testing: 06.11.2025

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	7.76	7.77	7.79
2	Temperature (degree C)	----	----	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.0	167.5	167.9
4	Turbidity (NTU)	1.00	5.00	0.59	0.74	0.69
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	141.82	145.87	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	139.50	135.00	135.00
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.70	22.80	22.80
C .Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

NF-NOT FOUND

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

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

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

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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: 06.11.2025

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-230	DC-187	DC-237
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.76	7.79	7.80	7.81	7.82
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.5	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	166.9	166.7	166.8	166.9	166.3	167.1
4	Turbidity, (NTU)	1.00	5.00	0.49	0.78	0.76	0.86	0.89	0.82
5	Residual Free Chlorine	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	145.87	141.82	145.87	145.87	145.87	145.87
8	Total Alkalinity, (mg/L)	200.00	600.00	135.00	135.00	139.50	144.00	144.00	144.00
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	1000	22.80	22.80	22.80	22.80	22.80	22.80
C .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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ADMINISTRATIVE BUILDING. WATER TREATMENT PLANT SITE. NEAR TANK NO-1
NEW TOWN. RAJARHAT. KOLKATA – 700 163

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

Date of Testing: 06.11.2025

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-13	DC-30	DA-88	DB-216
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.79	7.80	7.82	7.83	7.85
2	Temperature (degree C)	----	----	26.4	26.4	26.5	26.5	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	169.9	168.2	168.7	169.9	168.2	168.6
4	Turbidity (NTU)	1.00	5.00	0.97	0.91	0.76	0.85	0.78	0.89
5	Residual Free Chlorine	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	141.82	145.87	149.92	149.92	153.97	153.97
8	Total Alkalinity. (mg/L)	200.00	600.00	135.00	135.00	139.50	144.00	144.00	139.50
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	20.90	20.90	20.90	20.90	20.90	20.90
C . Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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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: 07.11.2025

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-58	BC-184	BB-114	BB-48
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.97	7.96	7.97	7.98	7.97
2	Temperature (degree C)	----	----	26.4	26.3	26.5	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.9	169.3	169.4	169.2	169.0	168.6	169.2
4	Turbidity (NTU)	1.00	5.00	0.88	0.71	0.85	0.80	0.52	0.91	0.63
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	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	141.82	137.76	145.87	145.87	145.87	141.82	149.92
8	Total Alkalinity (mg/L)	200.00	600.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00

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
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 07.11.2025

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	AI-68	AI/153/23	AI-54	AL/1/C/27	AL/1/C/2
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.92	7.94	7.95	7.96	7.93	7.95	7.96
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.1	170.9	169.1	170.1	169.8	169.7	169.6	169.7
4	Turbidity, (NTU)	1.00	5.00	0.60	0.83	0.79	0.69	0.91	0.57	0.85	0.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.3	0.2	0.2	0.3	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	141.82	141.82	145.87	149.92	145.87	149.92	145.87	145.87
8	Total Alkalinity, (mg/L)	200.00	600.00	139.50	139.50	135.00	139.50	139.50	135.00	135.00	135.00

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

Date of Testing: 10.11.2025

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	7.81	7.83	7.98	7.99
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	170.9	171.1	170.4	170.9
4	Turbidity, (NTU)	1.00	5.00	0.96	0.87	0.89	0.90
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	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	141.82	141.82	141.82	141.82
8	Total Alkalinity, (mg/L)	200.00	600.00	135.00	135.00	130.50	130.50

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

Date of Testing: 10.11.2025

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	7.97	7.96	7.98	7.97	7.96
2	Temperature(degree C)	----	----	26.2	26.3	26.3	26.3	26.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	170.1	170.0	170.1	170.2	169.7
4	Turbidity, (NTU)	1.00	5.00	0.97	0.98	0.81	0.85	0.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	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	141.82	137.76	141.82	141.82	141.82
8	Total Alkalinity, (mg/L)	200.00	600.00	130.50	126.00	126.00	126.00	126.00

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
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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 – II

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

Date of Testing: 13.11.2025

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-65	AE-104	AE-97	AE-80	AE-57	AE-53
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.93	7.92	7.94	7.93	7.94	7.95	7.96
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.2	166.1	166.1	165.7	165.8	166.0	166.0	165.7
4	Turbidity (NTU)	1.00	5.00	0.94	0.96	0.90	0.97	0.92	0.75	0.85	0.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.3	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	141.82	145.87	141.82	145.87	145.87	145.87	145.87	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	135.00	135.00	139.50	139.50	139.50	139.50	139.50	139.50
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70
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
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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

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

Date of Testing: 17.11.2025

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	7.82	7.84	7.80
2	Temperature (degree C)	----	----	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.1	167.8	167.4
4	Turbidity (NTU)	1.00	5.00	0.82	0.85	0.89
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	144.43	148.44	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	153.00	153.00	148.50

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 – I, O.H.R – VII

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

Date of Testing: 17.11.2025

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- 245	DC-230	DC-187
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.85	7.83	7.84	7.87	7.89
2	Temperature (degree C)	----	----	26.6	26.6	26.5	26.5	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	166.9	166.6	166.1	166.2	166.0	165.8
4	Turbidity, (NTU)	1.00	5.00	0.60	0.81	0.62	0.74	0.60	0.51
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.4	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	144.43	144.43	144.43	144.43	144.43	144.43
8	Total Alkalinity, (mg/L)	200.00	600.00	148.50	148.50	148.50	148.50	148.50	148.50

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: 17.11.2025

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-14	DC-30	DB-222	DB-216
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.90	7.91	7.89	7.87	7.86
2	Temperature (degree C)	----	----	26.4	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	166.8	166.5	166.4	167.2	166.8	166.7
4	Turbidity (NTU)	1.00	5.00	0.81	0.81	0.86	0.84	0.91	0.91
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.2	0.1	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	144.43	148.44	148.44	144.43	144.43	148.44
8	Total Alkalinity. (mg/L)	200.00	600.00	144.00	144.00	148.50	148.50	148.50	148.50

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 – V

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

Date of Testing: 18.11.2025

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.	CB-41	CA-246	CB-27	CA-237	CA-40
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.81	7.82	7.84	7.85	7.86	7.87
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.1	169.5	168.8	167.9	168.3	168.4	168.0
4	Turbidity (NTU)	1.00	5.00	0.88	0.96	0.81	0.80	0.83	0.89	0.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.1	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	148.44	144.43	140.42	140.42	140.42	140.42	140.42
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	144.00	139.50	144.00	139.50	139.50	139.50
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	24.52	24.52	22.63	22.63	22.63	22.63	22.63
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 – VI

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

Date of Testing: 18.11.2025

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 -133	CE/1/C/183
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.87	7.89	7.87	7.86	7.87
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.1	168.3	167.6	167.5	167.6	167.6
4	Turbidity (NTU)	1.00	5.00	0.88	0.91	0.95	0.88	0.81	0.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.3	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	144.43	140.42	136.41	136.41	136.41	136.41
8	Total Alkalinity (mg/L)	200.00	600.00	139.50	144.00	148.50	144.00	139.50	144.00
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	26.40	24.52	22.63	22.63	22.63	22.63
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 - I

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

Date of Testing: 20.11.2025

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.	AD - 3	AC - 8	AC-37
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.98	7.96	7.98
2	Temperature (degree C)	----	----	24.7	24.5	24.5	24.5	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.9	170.1	169.7	169.5	169.5
4	Turbidity (NTU)	1.00	5.00	0.92	0.98	0.94	0.90	0.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	140.42	144.43	144.43	140.42	140.42
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	148.50	144.00	144.00	144.00

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: 20.11.2025

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-68	AE-104	AE-53	AE-80
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.96	7.97	7.96	7.97
2	Temperature (degree C)	----	----	24.8	24.8	24.8	24.9	24.9	24.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.1	169.3	166.4	168.8	168.8	167.6
4	Turbidity (NTU)	1.00	5.00	0.94	0.93	0.99	0.96	0.86	0.83
5	Residual Free Chlorine (mg/L)	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	140.42	144.43	140.42	144.43	144.43	140.42
8	Total Alkalinity (mg/L)	200.00	600.00	148.50	139.50	144.00	144.00	144.00	144.00

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

Date of Testing: 24.11.2025

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	7.89	7.88	7.87	7.89
2	Temperature(degree C)	----	----	24.4	24.4	24.4	24.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	175.3	175.5	175.2	175.0
4	Turbidity, (NTU)	1.00	5.00	0.89	0.90	0.98	0.89
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	148.44	152.46	148.44	148.44
8	Total Alkalinity, (mg/L)	200.00	600.00	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: AA – I, O.H.R – IX
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 24.11.2025

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	7.88	7.89	7.91	7.93	7.95
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	175.0	174.9	174.8	175.0	175.1
4	Turbidity, (NTU)	1.00	5.00	0.89	0.97	0.89	0.93	0.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	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	144.43	144.43	140.42	140.42	140.42
8	Total Alkalinity, (mg/L)	200.00	600.00	148.50	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

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

Date of Testing: 25.11.2025

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	7.73	7.75	7.80
2	Temperature (degree C)	----	----	25.3	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.9	178.1	178.2
4	Turbidity (NTU)	1.00	5.00	0.73	0.86	0.86
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	148.44	144.43	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	148.50	148.50	148.50

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 – I, O.H.R – VII

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

Date of Testing: 25.11.2025

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-187	DC-210
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.82	7.85	7.86	7.85	7.88
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.3	25.3	25.3
3	Total Dissolved Solid.	500.00	2000.00	177.0	177.6	177.6	177.3	177.4	177.0
4	Turbidity, (NTU)	1.00	5.00	0.85	0.60	0.73	0.92	0.73	0.64
5	Residual Free Chlorine	0.20	1.00	0.1	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	148.44	144.43	144.43	144.43	144.43	144.43
8	Total Alkalinity, (mg/L)	200.00	600.00	148.50	148.50	148.50	148.50	144.00	144.00

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: 25.11.2025

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-14	DB-216	DA-30
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.88	7.87	7.89	7.88	7.89
2	Temperature (degree C)	----	----	25.3	25.3	25.3	25.3	25.3	25.3
3	Total Dissolved Solid.	500.00	2000.00	179.8	179.2	178.9	179.1	178.9	179.0
4	Turbidity (NTU)	1.00	5.00	0.61	0.61	0.73	0.90	0.84	0.95
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	148.44	144.43	144.43	144.43	144.43	144.43
8	Total Alkalinity. (mg/L)	200.00	600.00	148.50	148.50	148.50	148.50	144.00	144.00

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 - IV

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

Date of Testing: 26.11.2025

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-75	BB-48	SNEHODIYA
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.90	7.94	7.95	7.97	7.96
2	Temperature (degree C)	----	----	24.4	24.4	24.5	24.5	24.5	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.2	183.8	183.3	183.4	183.1	182.4
4	Turbidity (NTU)	1.00	5.00	0.93	0.55	0.61	0.66	0.82	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.4	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	148.44	144.43	140.42	140.42	140.42	140.42
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	144.00	144.00	144.00	148.50	148.50
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	24.51	24.51	24.51	24.51	24.51	24.51
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: 26.11.2025

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/20	AL/1/C/6	AI/153/23	AI-68
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.96	7.97	7.96	7.97
2	Temperature(degree C)	----	----	24.4	24.4	24.4	24.5	24.5	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.3	183.2	183.0	182.5	183.0	182.4
4	Turbidity, (NTU)	1.00	5.00	0.90	0.62	0.89	0.98	0.69	0.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.3	0.4	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	148.44	144.43	140.42	140.42	140.42	140.42
8	Total Alkalinity, (mg/L)	200.00	600.00	144.00	144.00	144.00	144.00	148.50	148.50
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	24.51	24.51	24.51	24.51	24.51	24.51
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 – V

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

Date of Testing: 28.11.2025

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-246	CA-237	CB-41	CA-27	CA-40
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.90	7.92	7.93	7.95	7.94	7.97
2	Temperature(degree C)	----	----	24.5	24.5	24.5	24.5	24.5	24.5	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.3	189.9	189.9	189.7	189.6	189.7	190.0
4	Turbidity (NTU)	1.00	5.00	0.79	0.93	0.79	0.95	0.89	0.86	0.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	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	152.46	152.46	156.47	152.46	152.46	152.46	152.46
8	Total Alkalinity (mg/L)	200.00	600.00	162.00	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: ACTION AREA - I, O.H.R – VI

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

Date of Testing: 28.11.2025

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/203	CE-133	CE/1/C/183	CE/1/A/144	CE-173	CE/1/B/76
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.96	7.97	7.98	7.96	7.98	7.97	7.98
2	Temperature (degree C)	----	----	24.4	24.4	24.3	24.3	24.4	24.4	24.3	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.8	190.2	190.2	191.3	190.1	189.9	190.5	190.0
4	Turbidity (NTU)	1.00	5.00	0.88	0.93	0.84	0.85	0.88	0.87	0.90	0.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.2	0.2	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	156.47	156.47	156.47	156.47	152.46	156.47	152.46	156.47
8	Total Alkalinity (mg/L)	200.00	600.00	157.50	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.

ACTION AREA – II
(NOVEMBER' 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 – IIG, O.H.R – 18

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

Date of Testing: 10.11.2025

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	7.98	7.97
2	Temperature (degree C)	----	----	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.2	169.8
4	Turbidity (NTU)	1.00	5.00	0.74	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	137.76	141.82
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	139.50

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 A, O.H.R – 17

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

Date of Testing: 12.11.2025

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.	CBD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.96
2	Temperature (degree C)	----	----	26.1	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	168.3	167.8	167.7
4	Turbidity (NTU)	1.00	5.00	0.88	0.81	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	137.76	137.76	141.82
8	Total Alkalinity (mg/L)	200.00	600.00	130.50	135.00	135.00
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.70	24.70	24.70
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: 12.11.2025

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	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	7.79	7.81	7.94	7.97	7.98	7.98	7.97	7.98
2	Temperature (degree C)	---	---	25.9	25.9	25.9	25.9	25.8	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500	2000	169.0	168.6	168.2	168.9	168.1	167.7	167.9	168.3
4	Turbidity (NTU)	1.00	5.00	0.97	0.91	0.80	0.87	0.89	0.86	0.80	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.4	0.3	0.2	0.2	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	141.82	137.76	137.76	137.76	137.76	137.76	137.76	137.76
8	Total Alkalinity (mg/L)	200.00	600.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00
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	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70
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 C, O.H.R - 13

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

Date of Testing: 14.11.2025

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	7.84	7.87	7.88	7.89	7.87	7.86	7.89
2	Temperature (degree C)	----	----	26.5	26.5	26.4	26.4	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.5	166.0	165.2	165.1	164.0	165.1	164.9
4	Turbidity (NTU)	1.00	5.00	0.92	0.96	0.95	0.90	0.89	0.82	0.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	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	141.82	137.76	137.76	141.82	141.82	137.76	137.76
8	Total Alkalinity (mg/L)	200.00	600.00	135.00	130.50	135.00	135.00	135.00	130.50	130.50

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: 14.11.2025

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	7.89	7.91	7.93	7.89
2	Temperature (degree C)	----	----	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.5	166.0	165.3	164.5
4	Turbidity (NTU)	1.00	5.00	0.99	0.88	0.94	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable

B. Chemical Test Results:

7	Total Hardness (mg/L)	200.00	600.00	141.82	145.87	141.82	137.76
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	135.00	130.50	130.50

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 D, O.H.R – 12

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

Date of Testing: 14.11.2025

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	7.87	7.86
2	Temperature (degree C)	----	----	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.0	165.5	164.0
4	Turbidity (NTU)	1.00	5.00	0.95	0.83	0.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	145.87	141.82	141.82
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	144.00	139.50

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 A, O.H.R-17

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

Date of Testing: 21.11.2025

	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	7.84	7.87	7.88
2	Temperature (degree C)	----	----	24.5	24.5	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.9	170.2	169.2
4	Turbidity (NTU)	1.00	5.00	0.63	0.60	0.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	140.42	140.42	136.41
8	Total Alkalinity (mg/L)	200.00	600.00	139.50	139.50	135.00

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
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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 21.11.2025

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	7.82	7.80	7.82	7.83	7.84	7.85	7.86	7.87
2	Temperature (degree C)	----	----	24.3	24.3	24.3	24.3	24.3	24.4	24.4	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	168.8	170.8	169.2	169.7	169.6	169.4	169.7	169.7
4	Turbidity (NTU)	1.00	5.00	0.88	0.79	0.63	0.72	0.61	0.71	0.73	0.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.4	0.2	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	136.41	132.40	132.40	136.41	136.41	136.41	136.41	136.41
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	144.00	144.00	144.00	139.50	139.50	139.50	139.50

O.H.R. – OVER HEAD RESERVOIR

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NTKD - I P.H.E. Dte.

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

TEST REPORT: AA – IIG, O.H.R – 18

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

Date of Testing: 24.11.2025

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	7.96
2	Temperature (degree C)	----	----	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.9	174.5
4	Turbidity (NTU)	1.00	5.00	0.91	0.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	148.44	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	144.00	139.50

O.H.R. – OVER HEAD RESERVOIR

Sd/-
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Sd/-
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Sd/-
Executive Engineer
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