

**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 – 700 156**

**WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF  
NEW TOWN KOLKATA PROJECT, DURING MONTH  
APRIL' 2024**

**ACTION AREA – I**  
**(APRIL' 2024)**

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 – 700 156

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

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

**Date of Testing: 01.04.2024**

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.	CC-201	CD - 125	CA- 81	CB-08	CA-241	CA-245
<b>A. Physico - chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.87	7.83	7.85	7.89	7.88	7.87
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.5	189.1	190.2	190.1	189.9	190.1	190.5	189.2
4	Turbidity (NTU)	1.00	5.00	1.02	1.08	1.46	1.41	1.61	1.70	1.50	1.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	146.05	146.05	149.99	149.99	149.99	149.99	149.99	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	142.56	142.56	146.88	142.56	146.88	146.88	146.88

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 – 700 156**

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

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

**Date of Testing: 01.04.2024**

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.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BF-57
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.95	7.96	7.97	7.98	7.95
2	Temperature (degree C)	----	----	26.3	26.4	26.4	26.4	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.7	188.8	187.8	188.7	188.4	188.2	187.9
4	Turbidity (NTU)	1.00	5.00	1.40	1.21	1.63	1.57	1.52	1.21	1.08
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	149.99	149.99	149.99	153.94	153.94	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	142.56	146.88	142.56	146.88	142.56

O.H.R. – OVER HEAD RESERVOIR

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

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

**Sd/-**  
**Executive Engineer**  
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 02.04.2024

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VI						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/C/97	CE -74	CE-197	CE/I/C/46
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.90	7.96	7.98	7.95	7.97	7.98
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.4	189.9	190.3	189.7	190.2	189.9	189.0
4	Turbidity (NTU)	1.00	5.00	0.68	0.88	1.13	1.02	1.12	1.18	1.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	146.05	149.99	153.94	153.94	153.94	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	142.56	142.56	146.88	146.88	142.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.18	30.18	30.18	28.29	28.29	28.29	28.29
<b>C. Bacteriological Test Results :</b>										
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 – 700 156

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

Date of Testing: 02.04.2024

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/28	AL/1/C/6	AL/1/C/40	AI/153/18
<b>A. Physico-chemical Test Results :</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.93	7.95	7.97	7.98	7.96
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.2	189.5	189.0	189.2	188.4	190.2
4	Turbidity, (NTU)	1.00	5.00	1.04	0.93	1.00	0.75	0.82	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>									
7	Total Hardness, (mg/L)	200.00	600.00	149.99	153.94	153.94	153.94	153.94	153.94
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	142.56	142.56	142.56	146.88	142.56
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	28.29	28.29	28.29	28.29
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156**

**TEST REPORT: ACTION AREA –I**

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

**Date of Testing: 03.04.2024**

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.92	7.91
2	Temperature (degree C)	----	----	26.5	26.5	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.2	188.6	188.2
4	Turbidity (NTU)	1.00	5.00	1.27	1.32	1.36
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	146.05	142.09	142.09
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	142.56	138.24
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	26.40
<b>C. Bacteriological Test Results :</b>						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

**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 – 700 156

**TEST REPORT: AA – I, O.H.R – VII**

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

**Date of Testing: 03.04.2024**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF - 94	DC-248	DC-244
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.93	7.89	7.90	7.92	7.91
2	Temperature (degree C)	----	----	26.4	26.4	26.3	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	189.1	188.4	188.1	187.2	188.0	188.3
4	Turbidity, (NTU)	1.00	5.00	1.56	1.25	1.29	1.31	1.54	1.46
5	Residual Free Chlorine	0.20	1.00	2.0	0.6	0.3	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness, (mg/L)	200.00	600.00	146.05	142.09	142.09	142.09	146.05	142.09
8	Total Alkalinity, (mg/L)	200.00	600.00	138.24	142.56	142.56	146.55	138.24	142.56
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	28.29	26.40	28.29	28.29	28.29	28.29
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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



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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 03.04.2024

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-30	DC-23	DA-88	DB-222
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.95	7.92	7.91	7.90	7.92
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	188.5	188.9	189.0	188.7	189.0	188.5
4	Turbidity (NTU)	1.00	5.00	1.12	1.25	1.33	1.10	1.21	1.17
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness. (mg/L)	200.00	600.00	146.05	146.05	146.05	146.05	142.09	146.05
8	Total Alkalinity. (mg/L)	200.00	600.00	142.56	142.56	142.56	142.56	142.56	138.24
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	28.29	28.29	28.29	26.40
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

**Date of Testing: 05.04.2024**

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 - 17	AA- 05	AC-107	AD-25
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.85	7.86	7.87	7.86
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.6	189.5	189.6	189.9	189.1	188.8
4	Turbidity (NTU)	1.00	5.00	1.15	0.98	1.04	0.97	1.25	1.01
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	153.94	153.94	153.94	153.94	149.99	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	142.56	142.56	142.56	142.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.17	28.29	26.40	26.40	26.40	26.40
<b>C. Bacteriological Test Results :</b>									
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  
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 05.04.2024

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-104
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.91	7.89	7.90	7.82	7.81	7.82
2	Temperature(degree C)	----	----	26.4	26.4	26.3	26.3	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.3	189.8	190.9	190.0	190.0	188.1	190.2
4	Turbidity (NTU)	1.00	5.00	1.16	1.21	1.03	1.18	1.32	1.25	1.26
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.3	0.1	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	149.99	146.05	149.99	149.99	153.94	149.99	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	146.88	151.20	142.56	142.56	142.56
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	26.40	28.29	30.17	26.40	26.40	26.40
<b>C. Bacteriological Test Results :</b>										
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 – 700 156**

**TEST REPORT: ACTION AREA –I  
Sub. :Water Testing (Physico-Chemical & Chemical)**

**Date of Testing: 09.04.2024**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.83	7.85
2	Temperature(degree C)	----	----	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.5	192.8	192.5
4	Turbidity (NTU)	1.00	5.00	0.71	0.79	0.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	149.99	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	146.88	146.88

**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 – 700 156

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

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

Date of Testing: 12.04.2024

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.	CC-201	CD-125	CA-81	CB-08	CA-246
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.87	7.89	7.85	7.86	7.87	7.86
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.4	196.5	195.6	194.4	196.1	194.6	196.8
4	Turbidity (NTU)	1.00	5.00	0.71	1.14	0.92	0.76	0.69	0.87	1.06
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	146.05	146.05	146.05	142.09	146.05	142.09	146.05
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	146.88	146.88	142.56	146.88	146.88	146.88
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	30.17	30.17	30.17	30.17	30.17	28.29
<b>C .Bacteriological Test Results :</b>										
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 – 700 156

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

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

Date of Testing: 12.04.2024

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.	SENIOR CITIZEN PARK	BE-17	SNEHODIYA
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.82	7.80	7.81
2	Temperature(degree C)	----	----	26.4	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.0	194.4	194.0	194.6	194.0
4	Turbidity (NTU)	1.00	5.00	0.86	0.94	0.76	0.92	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200.00	600.00	146.05	149.99	149.99	153.94	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	142.56	146.88	142.56
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	30.17	30.17	32.06	30.17	30.17
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – X

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

Date of Testing: 18.04.2024

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
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.85	7.86	7.87
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	194.9	193.5	192.4	193.5
4	Turbidity, (NTU)	1.00	5.00	1.63	1.25	1.15	0.98
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	148.44	144.43	148.44	148.44
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	146.88	151.20	146.88
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	28.29	26.40	28.29
<b>C. Bacteriological Test Results:</b>							
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 – 700 156

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

Date of Testing: 18.04.2024

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
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.87	7.89	7.85
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.7	26.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	192.6	192.9	191.4	192.6	191.3
4	Turbidity, (NTU)	1.00	5.00	0.90	1.05	1.18	1.29	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness, (mg/L)	200.00	600.00	144.43	148.44	148.44	148.44	148.44
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	151.20	151.20	151.20	151.20
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	28.29	28.29	28.29	28.29	26.40
<b>C. Bacteriological Test Results:</b>								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF

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

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

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

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



**GOVERNMENT OF WEST BENGAL**  
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**  
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**  
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**  
**NEW TOWN, RAJARHAT, KOLKATA – 700 156**

**TEST REPORT: ACTION AREA –I**  
**Sub. :Water Testing (Physico-Chemical & Chemical)**

**Date of Testing: 22.04.2024**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.83	7.84
2	Temperature(degree C)	----	----	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.5	190.2	190.4
4	Turbidity (NTU)	1.00	5.00	1.15	1.12	1.07
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	<0.1	<0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	144.43	148.44	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	138.24	138.24

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 – 700 156

**TEST REPORT: AA – I, O.H.R – VII**

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

**Date of Testing: 22.04.2024**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF - 94	DC-248	DC-174
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.76	7.87	7.88	7.85	7.83
2	Temperature (degree C)	----	----	26.3	26.3	26.2	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	189.9	189.1	190.1	189.5	189.2	188.4
4	Turbidity, (NTU)	1.00	5.00	1.88	1.70	1.82	1.86	1.92	1.89
5	Residual Free Chlorine	0.20	1.00	0.2	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness, (mg/L)	200.00	600.00	144.43	144.43	148.44	148.44	144.43	144.43
8	Total Alkalinity, (mg/L)	200.00	600.00	142.56	138.24	142.56	138.24	142.56	142.56
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	28.29	28.29	28.29	26.40	26.40	26.40
<b>C .Bacteriological Test Results :</b>									
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 – 700 156

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

Date of Testing: 22.04.2024

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-30	DC-23	DA-88	DB-222
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.82	7.83	7.82	7.85
2	Temperature (degree C)	----	----	26.2	26.2	26.3	26.3	26.3	26.4
3	Total Dissolved Solid.	500.00	2000.00	189.3	188.7	188.9	188.7	189.9	188.5
4	Turbidity (NTU)	1.00	5.00	0.84	1.21	1.05	1.67	1.21	1.13
5	Residual Free Chlorine	0.20	1.00	0.6	0.3	0.2	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness. (mg/L)	200.00	600.00	144.43	144.43	148.44	148.44	144.43	148.44
8	Total Alkalinity. (mg/L)	200.00	600.00	142.56	138.24	138.24	142.56	138.24	138.24
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.17	30.17	28.29	28.29	28.29	28.29
<b>C. Bacteriological Test Results :</b>									
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 – 700 156

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

Date of Testing: 23.04.2024

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE-74	CE-197
<b>A. Physico - Chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.85	7.84	7.83	7.84	7.87
2	Temperature(degree C)	----	----	26.1	26.0	26.0	26.1	26.0	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.4	191.7	192.1	191.6	191.2	191.3
4	Turbidity (NTU)	1.00	5.00	1.33	1.05	1.20	1.08	1.11	1.07
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43	148.44	144.43	144.43	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	138.24	142.56	138.24	138.24	138.24

O.H.R. - OVER HEAD RESERVOIR,

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: AA – I, O.H.R – III**

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

Date of Testing: 23.04.2024

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/1/C/28	AL-11	AL/1/C/40	AI/153/18	AL/1/C/6
<b>A. Physico-chemical Test Results :</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.81	7.80	7.82	7.81	7.80	7.76
2	Temperature(degree C)	----	----	25.8	25.8	25.8	25.7	25.7	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.4	189.1	189.6	189.4	189.0	188.5	188.9
4	Turbidity, (NTU)	1.00	5.00	1.16	1.05	1.24	1.37	1.60	1.17	1.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.3	0.2	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>										
7	Total Hardness, (mg/L)	200.00	600.00	144.43	144.43	148.44	148.44	148.44	152.46	152.46
8	Total Alkalinity, (mg/L)	200.00	600.00	138.24	138.24	133.92	133.92	133.92	133.92	133.92

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 – 700 156

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

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

Date of Testing: 26.04.2024

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 - 17	AA- 05	AC - 107	AC - 60	AC-52	AC-57	AC-54
<b>A. Physico-chemical Test Results:</b>												
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.32	7.33	7.35	7.36	7.34	7.39	7.45	7.47
2	Temperature (degree C)	----	----	26.0	26.1	26.1	26.1	26.0	26.1	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.7	189.4	191.7	192.4	192.2	189.4	189.1	188.8	188.4
4	Turbidity (NTU)	1.00	5.00	1.19	1.12	1.25	1.43	1.14	1.12	1.07	1.16	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.3	0.3	0.4	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>												
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43	144.43	148.44	148.44	148.44	148.44	148.44	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	138.24	138.24	138.24	142.56	142.56	138.24	138.24

O.H.R. – OVER HEAD RESERVOIR

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

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

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

GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I  
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 29.04.2024

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-12	AA-57	AB-13
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.87	7.89	7.95	7.94	7.97	7.89	7.91
2	Temperature(degree C)	----	----	26.2	26.3	26.3	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.9	189.4	188.8	187.8	188.5	187.1	188.0	188.7
4	Turbidity (NTU)	1.00	5.00	1.26	1.36	1.32	1.28	0.96	1.21	1.30	1.26
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.1	0.3	0.1	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	148.44	152.46	148.44	152.46	148.44	152.46	152.46	152.46
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	133.92	138.24	133.92	133.92	138.24	133.92

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 – 700 156

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

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

**Date of Testing: 30.04.2024**

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- 81	CB-08
<b>A. Physico - chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.95	7.92	7.95
2	Temperature(degree C)	----	----	26.3	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.1	188.5	188.0	188.4
4	Turbidity (NTU)	1.00	5.00	0.96	1.04	0.97	1.03
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	148.44	148.44	148.44	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	133.92	133.92

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 – 700 156

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

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

Date of Testing: 30.04.2024

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.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.91	7.90	7.93	7.95	7.93
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.3	188.7	188.5	188.0	188.5	188.0
4	Turbidity (NTU)	1.00	5.00	0.87	1.21	1.27	0.97	0.91	1.02
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	148.44	148.44	144.43	148.44	144.43	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	138.24	138.24	138.24	138.24

O.H.R. – OVER HEAD RESERVOIR

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

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

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

**ACTION AREA – II**  
**(APRIL' 2024)**

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 – 700 156

**TEST REPORT: AA – II A, O.H.R-17**

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

**Date of Testing: 09.04.2024**

	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IIA, O.H.R-17			
				INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER	CBD
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.81	7.80	7.81
2	Temperature (degree C)	----	----	26.2	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.8	192.2	192.7	193.3
4	Turbidity (NTU)	1.00	5.00	0.80	0.72	0.83	0.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	146.05	149.99	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	146.88	151.20	146.88

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 – 700 156**

**TEST REPORT: AA – II B, O.H.R-15**

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

**Date of Testing: 09.04.2024**

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	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.85	7.83	7.82	7.81	7.82	7.81
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.3	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.5	194.8	194.1	193.3	193.6	193.4	193.1
4	Turbidity (NTU)	1.00	5.00	0.75	0.71	0.77	0.81	0.88	0.91	0.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.2	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	149.99	146.05	146.05	146.05	149.99	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	146.88	146.88	146.88	151.20	146.88

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 – 700 156

**TEST REPORT: AA – II C, O.H.R – 13**

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

Date of Testing: 15.04.2024

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	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.95	7.97	7.96	7.95	7.96	7.98
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.4	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.1	195.6	194.5	194.9	194.7	194.4	193.6
4	Turbidity (NTU)	1.00	5.00	1.26	1.19	1.06	1.14	1.12	0.91	0.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	146.05	146.05	146.05	142.09	146.05	149.99	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	146.88	142.56	142.56	138.24	142.56	142.56

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 – 700 156

**TEST REPORT: AA – II D, O.H.R – 11**

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

Date of Testing: 15.04.2024

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
<b>A. Physico-Chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.96	7.95
2	Temperature (degree C)	----	----	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.6	193.3	192.4	193.3
4	Turbidity (NTU)	1.00	5.00	1.10	1.19	1.22	1.18
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	146.05	149.99	149.99	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	151.20	142.56

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 – 700 156

**TEST REPORT: AA – II D, O.H.R – 12**

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

Date of Testing: 15.04.2024

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.93	7.92
2	Temperature (degree C)	----	----	26.3	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.3	194.3	192.3
4	Turbidity (NTU)	1.00	5.00	1.28	1.07	1.06
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	153.94	149.99	146.05
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	146.88	151.20

O.H.R. – OVER HEAD RESERVOIR

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

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

Sd/-  
Executive Engineer  
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 – 700 156

**TEST REPORT: AA – II A, O.H.R – 17**

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

**Date of Testing: 16.04.2024**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IIA, O.H.R – 17			
				INLET OF O.H.R.	OUTLET OF O.H.R.	HAZ TOWER	CBD
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.84	7.83	7.89
2	Temperature (degree C)	----	----	26.7	26.7	26.7	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.5	192.9	193.4	193.3
4	Turbidity (NTU)	1.00	5.00	1.65	1.28	1.27	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	148.44	148.44	148.44	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	155.52	151.20	146.88	146.88
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	30.17	30.17	30.17
<b>C. Bacteriological Test Results :</b>							
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 – 700 156

TEST REPORT: AA – IIB, O.H.R – 15

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

Date of Testing: 16.04.2024

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-1683	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.85	7.87	7.86	7.89	7.85	7.87	7.83	7.82
2	Temperature (degree C)	----	----	26.7	26.7	26.7	26.6	26.5	26.6	26.4	26.7
3	Total Dissolved Solid (mg/L)	500	2000	196.1	194.6	194.8	194.2	194.7	193.7	192.8	192.2
4	Turbidity (NTU)	1.00	5.00	1.61	1.28	1.26	1.25	1.12	1.10	1.16	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.4	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>											
7	Total Hardness (mg/L)	200.00	600.00	144.43	148.44	144.43	148.44	148.44	148.44	152.46	152.46
8	Total Alkalinity (mg/L)	200.00	600.00	155.52	155.52	151.20	151.20	146.88	146.88	146.88	151.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.29	30.17	30.17	30.17	28.29	30.17	30.17	30.17
<b>C. Bacteriological Test Results :</b>											
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 – 700 156**

**TEST REPORT: AA – IIG, O.H.R – 18**

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

**Date of Testing: 18.04.2024**

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.
<b>A. Physico-chemical Test Results:</b>					
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.86
2	Temperature (degree C)	----	----	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.8	192.0
4	Turbidity (NTU)	1.00	5.00	0.93	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	2.0	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>					
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	146.88
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	30.17
<b>C. Bacteriological Test Results:</b>					
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 – 700 156

**TEST REPORT: AA – IIC, O.H.R – 13**

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

**Date of Testing: 25.04.2024**

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	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.84	7.81	7.87	7.96	7.90
2	Temperature (degree C)	----	----	25.8	25.8	26.1	26.1	26.1	26.1	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.1	191.0	191.7	191.25	190.9	190.7	189.9
4	Turbidity (NTU)	1.00	5.00	1.25	1.06	1.86	0.90	1.43	1.37	1.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1	0.2	0.1	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43	148.44	144.43	148.44	148.44	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	138.24	142.56	142.56	146.88	146.88	142.56
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	30.17	28.29	28.29	28.29	26.40	28.29
<b>C. Bacteriological Test Results:</b>										
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  
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: AA – II D, O.H.R – 11**

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

Date of Testing: 25.04.2024

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
<b>A. Physico-Chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.92	7.93	7.91
2	Temperature (degree C)	----	----	26.1	26.1	25.9	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.7	190.5	190.0	190.0
4	Turbidity (NTU)	1.00	5.00	1.18	1.09	0.99	1.03
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	144.43	144.43	144.43	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	142.56	142.56
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	30.17	30.17	28.29	28.29
<b>C. Bacteriological Test Results:</b>							
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  
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: AA – IID, O.H.R – 12**

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

Date of Testing: 25.04.2024

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.95	7.94
2	Temperature (degree C)	----	----	25.8	25.9	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.2	191.1	190.1
4	Turbidity (NTU)	1.00	5.00	1.23	0.79	1.14
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	142.56
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.17	30.17	30.17
<b>C. Bacteriological Test Results:</b>						
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.