

**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  
SEPTEMBER' 2022**

**ACTION AREA – I**  
**(SEPTEMBER' 2022)**

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, ZONE – V**

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

**Date of Testing: 01.09.2022**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA-52
<b>A. Physico - chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.49	7.55	7.61	7.62	7.63	7.64
2	Temperature(degree C)	----	----	25.6	25.2	25.5	25.5	25.4	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.1	137.3	137.6	137.1	137.3	137.0	137.3
4	Turbidity (NTU)	1.00	5.00	1.39	1.37	1.50	1.18	1.46	1.62	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.4	0.4	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	124.44	124.44	124.44	124.44	124.44	124.44	124.44
8	Total Alkalinity (mg/L)	200.00	600.00	91.20	91.20	91.20	91.20	91.20	91.20	91.20

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: ACTION AREA -I, ZONE - IV**

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

**Date of Testing: 01.09.2022**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BF-40
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.61	7.65	7.65	7.66	7.67
2	Temperature(degree C)	----	----	25.6	25.6	25.5	25.5	25.5	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.9	137.0	137.1	137.2	137.0	135.0
4	Turbidity (NTU)	1.00	5.00	1.75	1.89	1.77	1.86	1.56	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.4	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	128.59	120.29	124.44	128.59	124.44	124.44
8	Total Alkalinity (mg/L)	200.00	600.00	95.76	91.20	91.20	95.76	91.20	91.20

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  
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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, ZONE – VI**

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

Date of Testing: 02.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE -74	CE -1/C/48
<b>A. Physico - chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.58	7.62	7.65	7.67	7.70
2	Temperature(degree C)	----	----	26.5	26.3	26.4	26.5	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	140.6	140.4	140.8	141.0	140.9	141.2
4	Turbidity (NTU)	1.00	5.00	1.75	1.76	1.82	1.92	2.72	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	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	128.59	128.59	124.44	128.59	124.44	128.59
8	Total Alkalinity (mg/L)	200.00	600.00	91.20	91.20	91.20	95.76	91.20	91.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.23	17.23	17.23	17.23	17.23	17.23
<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, ZONE – V**

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

Date of Testing: 05.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - V							
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-129	CD-125	CA-81	CC-105	CC-102	CC-102 O.H.R
<b>A. Physico - chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.63	7.65	7.65	7.65	7.67	7.67	7.68
2	Temperature(degree C)	----	----	26.7	26.5	26.2	26.3	26.5	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.7	141.0	140.5	141.3	141.6	141.4	141.2	141.1
4	Turbidity (NTU)	1.00	5.00	2.06	2.26	2.02	2.80	2.55	2.39	2.64	2.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	0.4	0.4	0.1
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	132.74	128.59	128.59	132.74	132.74	128.59	132.74	128.59
8	Total Alkalinity (mg/L)	200.00	600.00	91.20	95.76	95.76	91.20	91.20	95.76	95.76	95.76
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	17.23	17.23	17.23	15.31	17.23	17.23	17.23	17.23
<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**  
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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**  
**Sub. :Water Testing (Physico-Chemical & Chemical)**

**Date of Testing: 06.09.2022**

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	DARADIA PAIN HOSPITAL
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.37	7.33	7.32
2	Temperature(degree C)	----	----	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	146.0	145.0	145.4	144.5
4	Turbidity (NTU)	1.00	5.00	1.75	1.79	1.96	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.6	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	128.59	124.44	128.59	128.59
8	Total Alkalinity (mg/L)	200.00	600.00	87.11	82.96	87.11	87.11

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

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

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

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: ACTION AREA -I, ZONE - I**

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

Date of Testing: 07.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AC-36
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.64	7.65	7.61	7.59	7.60	7.61
2	Temperature(degree C)	----	----	25.9	25.9	25.8	25.8	25.8	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.9	141.8	142.1	142.3	142.2	142.1	142.3
4	Turbidity (NTU)	1.00	5.00	1.82	1.89	1.71	1.83	1.85	1.35	1.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.4	0.3	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	124.44	128.59	124.44	128.59	128.59	124.44	132.74
8	Total Alkalinity (mg/L)	200.00	600.00	95.76	100.32	95.76	95.76	100.32	95.76	100.32

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, ZONE – VII**

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

**Date of Testing: 08.09.2022**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DE-119
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.35	7.41	7.49	7.61	7.62
2	Temperature(degree C)	----	----	26.4	26.4	26.3	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	142.9	145.1	141.7	141.9	140.8	141.6
4	Turbidity, (NTU)	1.00	5.00	1.96	1.79	1.77	1.82	1.87	1.72
5	Residual Free Chlorine	0.20	1.00	0.4	0.4	0.1	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	132.74	132.74	128.59	128.59	124.44	128.59
8	Total Alkalinity, (mg/L)	200.00	600.00	100.32	100.32	95.76	95.76	91.20	91.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	17.23	17.23	17.23	17.23	17.23	17.23
<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. ZONE – VIII**  
**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)**

Date of Testing: 08.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VIII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222	DC-27
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.59	7.58	7.59	7.60	7.61	7.61
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.7	26.7	26.6	26.7
3	Total Dissolved Solid.	500.00	2000.00	141.1	141.3	141.3	141.5	142.0	141.6	141.0
4	Turbidity (NTU)	1.00	5.00	1.70	1.86	1.73	1.79	1.76	1.83	1.81
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.2	0.3	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	124.44	124.44	124.44	128.59	124.44	128.59	128.59
8	Total Alkalinity. (mg/L)	200.00	600.00	95.76	95.76	91.20	95.76	91.20	95.76	95.76
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	17.23	15.31	17.23	17.23	17.23	17.23	17.23
<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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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X  
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 09.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.25	7.33	7.43	7.52
2	Temperature(degree C)	----	----	26.4	26.6	26.8	26.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	142.3	143.9	144.6	144.2
4	Turbidity, (NTU)	1.00	5.00	2.86	2.16	2.13	2.96
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.4	0.2	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	128.59	128.59	128.59	128.59
8	Total Alkalinity, (mg/L)	200.00	600.00	95.76	95.76	95.76	95.76

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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**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, ZONE – IX**  
**Sub. : Water Testing (Physico-Chemical & Chemical)**

Date of Testing: 09.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.45	7.46	7.49	7.50
2	Temperature(degree C)	----	----	26.7	26.6	26.5	26.3	26.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	141.9	142.5	142.8	142.2	142.1
4	Turbidity, (NTU)	1.00	5.00	2.10	2.51	2.45	2.23	2.47
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.4	0.3	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	128.59	132.74	132.74	132.74	128.59
8	Total Alkalinity, (mg/L)	200.00	600.00	95.76	95.76	95.76	95.76	95.76

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, ZONE - II**

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

Date of Testing: 13.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AB-72	AB-13
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.60	7.62	7.62	7.63	7.64
2	Temperature(degree C)	----	----	25.3	25.2	25.2	25.1	25.0	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.1	137.1	137.0	136.9	137.4	137.0
4	Turbidity (NTU)	1.00	5.00	1.84	1.76	1.85	1.82	1.87	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.4	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	131.32	135.55	135.55	131.32	135.55	135.55
8	Total Alkalinity (mg/L)	200.00	600.00	94.92	99.44	99.44	94.92	99.44	99.44
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97
<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, ZONE - IV**

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

Date of Testing: 13.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BB-107
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.41	7.56	7.58	7.58	7.60	7.62
2	Temperature(degree C)	----	----	26.1	26.1	26.1	25.9	25.7	25.6	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.4	137.2	137.9	137.6	137.0	137.1	136.9
4	Turbidity (NTU)	1.00	5.00	1.70	1.81	1.87	1.90	1.09	1.81	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	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	135.55	135.55	135.55	135.55	135.55	131.32	135.55
8	Total Alkalinity (mg/L)	200.00	600.00	99.44	99.44	99.44	99.44	99.44	94.92	94.92
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97	16.97
<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 & Bacteriological)**

**Date of Testing: 15.09.2022**

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	DARADIA PAIN HOSPITAL
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.34	7.31	7.28
2	Temperature(degree C)	----	----	25.1	25.1	25.0	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	140.7	141.6	139.7	141.1
4	Turbidity (NTU)	1.00	5.00	1.54	1.86	1.87	1.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	131.32	135.55	131.32	131.32
8	Total Alkalinity (mg/L)	200.00	600.00	94.92	94.92	94.92	90.40
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97
<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

**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, ZONE – VI  
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 16.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - 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	7.52	7.52	7.51	7.52	7.52	7.54
2	Temperature(degree C)	----	----	25.0	25.0	25.2	25.2	25.2	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.1	137.3	137.6	137.3	137.1	137.3
4	Turbidity (NTU)	1.00	5.00	2.39	1.95	1.72	1.99	1.83	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.4	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	131.32	127.88	131.32	131.32	131.32	131.32
8	Total Alkalinity (mg/L)	200.00	600.00	88.96	84.72	93.19	93.19	93.19	93.19

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, ZONE – III**

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

**Date of Testing: 16.09.2022**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - III						
				INLET OF O.H.R.	OUTLET OF O.H.R.	A/1/C/28	NKDA Off.	AL/1/C/40	AI/153/18	AL/1/C/06
<b>A. Physico-chemical Test Results :</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.43	7.45	7.46	7.48	7.49	7.51
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.2	25.2	25.2	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.2	137.2	136.9	137.2	136.9	137.0	137.1
4	Turbidity, (NTU)	1.00	5.00	1.55	1.87	1.59	1.27	1.78	1.99	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	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	131.32	131.32	127.08	131.32	131.32	127.08	131.32
8	Total Alkalinity, (mg/L)	200.00	600.00	94.92	94.92	99.44	94.92	99.44	94.92	94.92

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, ZONE - I

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

Date of Testing: 22.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - I							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC - 50	AC-221	AC-190
<b>A. Physico-chemical Test Results:</b>											
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.57	7.58	7.60	7.59	7.58	7.59	7.58
2	Temperature (degree C)	----	----	25.9	25.3	25.3	25.3	25.2	25.1	25.0	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.2	129.6	129.9	129.9	130.0	131.1	130.2	130.0
4	Turbidity (NTU)	1.00	5.00	1.87	1.98	1.40	1.64	1.12	1.37	1.36	1.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.3	0.4	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	127.08	127.08	127.08	122.84	127.08	127.08	127.08	127.08
8	Total Alkalinity (mg/L)	200.00	600.00	90.40	90.40	85.88	85.88	90.40	90.40	90.40	90.40
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.09	15.09	13.20	13.20	15.09	15.09	15.09	15.09
<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 – I, ZONE – X

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

Date of Testing: 23.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.25	7.28	7.30	7.36
2	Temperature(degree C)	----	----	24.1	24.4	24.6	24.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	130.3	130.6	130.4	132.9
4	Turbidity, (NTU)	1.00	5.00	1.46	1.83	1.86	1.84
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.2	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	127.08	127.08	127.08	131.32
8	Total Alkalinity, (mg/L)	200.00	600.00	90.40	90.40	90.40	94.92
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	15.09	15.09	15.09	13.20
<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, ZONE – IX**

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

Date of Testing: 23.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.36	7.38	7.40
2	Temperature(degree C)	----	----	24.5	24.7	24.8	24.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	132.9	128.7	128.6	128.7
4	Turbidity, (NTU)	1.00	5.00	1.71	1.82	1.84	1.86
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	127.08	118.61	118.61	122.84
8	Total Alkalinity, (mg/L)	200.00	600.00	90.40	85.88	85.88	85.88
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	15.09	13.20	13.20	13.20
<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: ACTION AREA - I, ZONE - II

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

Date of Testing: 29.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AE-52	AB-13
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.48	7.49	7.49	7.52	7.53
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.3	124.3	124.1	123.9	123.7	124.1
4	Turbidity (NTU)	1.00	5.00	1.65	1.73	1.97	1.33	1.17	1.40
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2	0.1	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	121.22	121.22	121.22	121.22	121.22	121.22
8	Total Alkalinity (mg/L)	200.00	600.00	90.4	90.4	90.4	90.4	90.4	90.4
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	15.09	16.97	16.97	16.97	16.97	16.97
<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, ZONE - IV**

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

Date of Testing: 29.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-101 BESIDE SNEHODIYA
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.38	7.43	7.46	7.48	7.50
2	Temperature(degree C)	----	----	26.1	26.0	26.0	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.5	124.6	124.2	124.6	124.0	123.8
4	Turbidity (NTU)	1.00	5.00	1.58	1.73	1.31	1.21	1.36	1.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.3	0.4
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	121.22	121.22	121.22	121.22	121.22	121.22
8	Total Alkalinity (mg/L)	200.00	600.00	80.56	84.80	84.80	80.56	84.80	84.80
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	15.09	16.97	16.97	16.97	16.97	16.97
<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.

**ACTION AREA – II**  
**(SEPTEMBER' 2022)**

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 – IIA, ZONE – X

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

Date of Testing: 06.09.2022

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, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.37	7.38
2	Temperature (degree C)	----	----	26.1	26.3	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	144.5	144.8	144.9
4	Turbidity (NTU)	1.00	5.00	1.58	1.15	1.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	128.59	124.44	124.44
8	Total Alkalinity (mg/L)	200.00	600.00	91.20	95.76	95.76

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, ZONE – IV**

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

**Date of Testing: 06.09.2022**

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, ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	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	7.33	7.35	7.40	7.45	7.50	7.52	7.53	7.55
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.5	26.3	26.8	26.7	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	143.9	144.2	144.4	144.3	144.2	144.2	144.5	144.1
4	Turbidity (NTU)	1.00	5.00	1.82	1.95	1.84	1.80	1.73	1.85	1.88	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.2	0.2	0.3	0.4	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	128.59	124.44	124.44	128.59	132.74	128.59	128.59	128.59
8	Total Alkalinity (mg/L)	200.00	600.00	95.76	91.20	91.20	91.20	95.76	91.20	91.20	91.20

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 – IIG, ZONE – XI**

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

Date of Testing: 09.09.2022

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, ZONE – XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.38	7.41
2	Temperature (degree C)	----	----	25.8	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	142.8	143.2	142.8
4	Turbidity (NTU)	1.00	5.00	2.87	2.33	2.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	132.74	132.74	132.74
8	Total Alkalinity (mg/L)	200.00	600.00	95.76	95.76	95.76

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, ZONE – X**

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

Date of Testing: 15.09.2022

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, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.39	7.41
2	Temperature (degree C)	----	----	25.2	25.3	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.8	140.2	139.8
4	Turbidity (NTU)	1.00	5.00	1.97	1.80	1.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	131.32	135.55	127.08
8	Total Alkalinity (mg/L)	200.00	600.00	94.92	90.40	94.92
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	15.09	16.97
<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.

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, ZONE – IV**

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

Date of Testing: 15.09.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE – IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	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	7.22	7.25	7.31	7.33	7.35	7.37	7.38	7.37
2	Temperature (degree C)	----	----	25.1	25.2	25.3	25.3	25.2	25.1	25.1	25.0
3	Total Dissolved Solid (mg/L)	500	2000	139.0	141.1	141.8	141.1	141.1	141.1	140.9	141.0
4	Turbidity (NTU)	1.00	5.00	1.86	1.90	1.21	1.15	1.23	1.54	1.21	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.2	0.3	0.4	0.4	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	131.32	135.55	135.55	131.32	131.32	135.55	131.32	135.55
8	Total Alkalinity (mg/L)	200.00	600.00	90.40	94.92	94.92	94.92	94.92	94.92	90.40	94.92
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	15.08	16.97	16.97	16.97	16.97	16.97	15.08	16.97
<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 – II C, ZONE – I**

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

Date of Testing: 20.09.2022

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, ZONE - I						
				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	7.26	7.28	7.26	7.29	7.30	7.29	7.31
2	Temperature (degree C)	----	----	26.0	26.0	26.1	26.0	26.1	26.1	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.4	136.4	136.8	136.4	136.9	136.8	135.7
4	Turbidity (NTU)	1.00	5.00	2.57	2.83	2.66	2.13	2.76	2.21	2.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.6	0.4	0.3	0.6
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	122.84	127.08	127.08	127.08	131.32	131.32	127.08
8	Total Alkalinity (mg/L)	200.00	600.00	94.92	94.92	90.40	90.40	94.92	94.92	90.40

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 – IID, ZONE – V**

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

Date of Testing: 20.09.2022

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, ZONE - V			
				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	7.41	7.45	7.51	7.54
2	Temperature (degree C)	----	----	25.4	25.3	25.5	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.7	135.5	135.7	135.4
4	Turbidity (NTU)	1.00	5.00	2.82	2.86	2.82	2.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	127.08	131.32	131.32	127.08
8	Total Alkalinity (mg/L)	200.00	600.00	94.92	99.44	94.92	94.92

O.H.R. – OVER HEAD RESERVOIR,

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

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

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 – IID, ZONE – VI**

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

Date of Testing: 20.09.2022

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, ZONE - VI		
				INLET OF O.H.R	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.40	7.41
2	Temperature (degree C)	----	----	25.4	25.5	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.6	126.2	137.2
4	Turbidity (NTU)	1.00	5.00	2.79	2.53	2.53
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	127.08	122.84	131.32
8	Total Alkalinity (mg/L)	200.00	600.00	94.92	94.92	99.44

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 – IIG, ZONE – XI**  
**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)**

Date of Testing: 23.09.2022

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, ZONE - XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.32	7.33
2	Temperature (degree C)	----	----	24.8	24.9	24.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.8	129.5	129.1
4	Turbidity (NTU)	1.00	5.00	2.65	2.56	2.63
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	127.08	127.08	122.84
8	Total Alkalinity (mg/L)	200.00	600.00	90.40	90.40	85.88
9	Iron(mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	15.09	15.09	15.09
<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.



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, ZONE – I**

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

Date of Testing: 28.09.2022

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, ZONE - I						
				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	7.28	7.34	7.36	7.33	7.34	7.36	7.39
2	Temperature (degree C)	----	----	26.1	26.1	25.9	26.1	26.0	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	122.3	123.6	124.3	123.7	123.6	123.5	123.5
4	Turbidity (NTU)	1.00	5.00	2.20	2.44	2.12	2.29	2.51	2.83	2.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.2	0.2	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	121.22	121.22	121.22	121.22	121.22	121.22	117.04
8	Total Alkalinity (mg/L)	200.00	600.00	80.56	80.56	84.80	80.56	80.56	80.56	80.56
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	13.20	15.09	13.20	15.09	15.09	15.09	15.09
<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  
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 – IID, ZONE – V**

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

Date of Testing: 28.09.2022

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, ZONE - V			
				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	7.30	7.33	7.36	7.37
2	Temperature (degree C)	----	----	26.3	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	123.5	123.2	123.2	123.3
4	Turbidity (NTU)	1.00	5.00	2.71	2.41	2.18	2.41
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	121.22	121.22	121.22	121.22
8	Total Alkalinity (mg/L)	200.00	600.00	84.80	84.80	84.80	84.80
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	15.09	13.20	15.09	15.09
<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 – IID, ZONE – VI**

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

Date of Testing: 28.09.2022

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, ZONE - VI			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.42	7.37	7.33
2	Temperature (degree C)	----	----	26.1	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	123.7	123.1	123.7	124.0
4	Turbidity (NTU)	1.00	5.00	2.37	2.38	2.16	2.62
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	121.22	121.22	121.22	117.04
8	Total Alkalinity (mg/L)	200.00	600.00	84.80	84.80	80.56	80.56
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	15.09	13.20	15.09	15.09
<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

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