

**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  
DECEMBER' 2020**

**ACTION AREA – I**  
**(DECEMBER' 2020)**

**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: 01.12.2020

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.	OUTLET OF O.H.R.	DC - 57	HIDCO Adm. Building	DF-94	DA-248
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.38	7.37	7.40	7.42	7.43
2	Temperature(degree C)	----	----	25.2	25.3	25.3	25.2	25.2	25.1
3	Total Dissolved Solid.	500.00	2000.00	166.6	166.5	168.1	166.8	166.9	166.5
4	Turbidity, (NTU)	1.00	5.00	0.92	0.65	0.93	0.56	0.82	0.98
5	Residual Free Chlorine	0.20	1.00	0.35	0.45	0.35	0.1	0.2	0.13
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	159.36	159.36	159.36	159.36	159.36	159.36
8	Total Alkalinity, (mg/L)	200.00	600.00	143.36	143.36	143.36	143.36	143.36	143.36
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	15.2	15.2	15.2	15.2	15.2	15.2
<b>C. Bacteriological Test Results:</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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

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

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

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

**TEST REPORT: AA – I. ZONE – VIII**

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

Date of Testing: 01.12.2020

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-27	DA-88	DB-222
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.22	7.28	7.30	7.33	7.33	7.35
2	Temperature(degree C)	----	----	25.6	25.7	25.5	25.2	25.2	25.2
3	Total Dissolved Solid.	500.00	2000.00	166.7	166.8	167.7	166.4	167.3	167.6
4	Turbidity. (NTU)	1.00	5.00	1.18	0.90	0.98	0.70	0.64	1.28
5	Residual Free Chlorine	0.20	1.00	0.5	0.4	0.25	0.2	0.3	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	159.36	159.36	159.36	159.36	159.36	159.36
8	Total Alkalinity. (mg/L)	200.00	600.00	143.36	143.36	143.36	143.36	143.36	143.36
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	15.2	15.2	15.2	15.2	15.2	15.2
<b>C. Bacteriological Test Results:</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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

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

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

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

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

Date of Testing: 03.12.2020

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 ,O.H.R : 3			
				AI -18	INLET	OUTLET	INLET
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.42	7.50	7.47
2	Temperature(degree C)	----	----	23.7	23.5	23.5	23.3
3	Total Dissolved Solid.	500.00	2000.00	168.8	168.5	167.7	166.8
4	Turbidity, (NTU)	1.00	5.00	0.72	1.35	1.21	1.62
5	Residual Free Chlorine	0.20	1.00	0.8	1.0	0.9	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	164.32	160.21	164.32	164.32
8	Total Alkalinity, (mg/L)	200.00	600.00	157.8	157.8	157.8	157.8
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	14.52	14.52	14.52	14.52
<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

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

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

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

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

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

**TEST REPORT: AA – I, ZONE – III**

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

Date of Testing: 04.12.2020

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 ,O.H.R :3			
				AI -18	INLET	OUTLET	WTP SOURCE
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.29	7.29	7.31
2	Temperature(degree C)	----	----	25.3	25.3	25.2	24.9
3	Total Dissolved Solid.	500.00	2000.00	168.6	169.7	168.8	168.9
4	Turbidity, (NTU)	1.00	5.00	0.86	1.28	1.43	0.98
5	Residual Free Chlorine	0.20	1.00	0.3	0.7	0.65	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	164.32	161.30	161.30	161.30
8	Total Alkalinity, (mg/L)	200.00	600.00	144	144	148.8	144
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	14.52	14.52	14.52	14.52
<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

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

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

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

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

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

**TEST REPORT: AA – I, ZONE – IX**

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

**Date of Testing: 07.12.2020**

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.	RISHI TOWER	DAWAT RESTAURANT
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.25	7.23	7.21	7.17
2	Temperature(degree C)	----	----	24.5	24.4	24.4	24.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	171.8	169.7	171.0	170.2
4	Turbidity, (NTU)	1.00	5.00	0.81	0.61	0.81	0.77
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.2	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	165.44	165.44	165.44	165.44
8	Total Alkalinity, (mg/L)	200.00	600.00	148.8	148.8	148.8	148.8

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 – X

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

Date of Testing: 07.12.2020

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.28	7.26
2	Temperature(degree C)	----	----	24.4	24.4	24.3
3	Total Dissolved Solid(mg/L)	500.00	2000.00	168.1	169.7	167.6
4	Turbidity, (NTU)	1.00	5.00	0.77	0.89	0.95
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.45	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness, (mg/L)	200.00	600.00	165.44	165.44	161.30
8	Total Alkalinity, (mg/L)	200.00	600.00	144	148.8	144

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: 11.12.2020

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	BA -196	BC-105
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.58	7.59	7.58	7.61	7.63
2	Temperature(degree C)	----	----	22.8	22.9	22.9	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	168.3	168.5	169.9	170.1	169.8	169.7
4	Turbidity (NTU)	1.00	5.00	1.27	1.19	0.95	1.27	1.15	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2	0.1	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreea.2ble	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	167.32	163.34	167.32	167.32	167.32	167.32
8	Total Alkalinity (mg/L)	200.00	600.00	163.84	163.84	163.84	163.84	163.84	163.84

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

Date of Testing: 15.12.2020

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	New town bus terminus	AE -14	AB -72	AB-13
<b>A. Physico-chemical Test Results :</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.51	7.53	7.56	7.57	7.59
2	Temperature(degree C)	----	----	23.9	23.9	24.6	24.2	24.4	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.2	173.1	173.7	173.0	173.3	172.9
4	Turbidity, (NTU)	1.00	5.00	0.92	1.28	0.89	0.81	0.98	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.35	0.25	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	165.44	165.44	165.44	165.44	165.44	165.44
8	Total Alkalinity, (mg/L)	200.00	600.00	143.4	143.4	143.4	143.4	143.4	143.4
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	16.46	18.29	18.29	18.29	18.29	18.29
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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

Date of Testing: 15.12.2020

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	AI/1/C/28	NKDA Off.	AL/1/C/40	AL/153/18
<b>A. Physico-chemical Test Results :</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.53	7.59	7.55	7.53	7.52	7.51
2	Temperature(degree C)	----	----	24.5	24.6	24.5	24.4	24.7	24.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.8	175.1	175.0	174.3	175.2	175.2
4	Turbidity, (NTU)	1.00	5.00	0.53	0.82	0.92	0.71	0.87	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.85	0.65	0.4	0.5	0.3	0.45
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>									
7	Total Hardness, (mg/L)	200.00	600.00	161.30	161.30	161.30	161.30	161.30	161.30
8	Total Alkalinity, (mg/L)	200.00	600.00	143.4	143.4	143.4	143.4	143.4	143.4
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	16.46	16.46	16.46	16.46	16.46	16.46
<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, ZONE – VII**

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

Date of Testing: 21.12.2020

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.	OUTLET OF O.H.R.	DC - 58	HIDCO Adm. Building	DF-94	DA-248
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.49	7.50	7.49	7.50	7.51
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid.	500.00	2000.00	174.9	174.5	175.0	175.8	174.8	174.8
4	Turbidity, (NTU)	1.00	5.00	1.39	1.29	1.49	1.23	1.26	1.44
5	Residual Free Chlorine	0.20	1.00	0.2	0.35	0.25	0.1	0.15	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	173.71	169.57	173.71	173.71	173.71	173.71
8	Total Alkalinity, (mg/L)	200.00	600.00	153.6	148.8	153.6	153.6	153.6	153.6
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	18.43	16.59	18.43	18.43	18.43	18.43
<b>C. Bacteriological Test Results:</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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

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

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

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

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

Date of Testing: 21.12.2020

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-27	DC-23	DA-88	DB-222
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.42	7.44	7.45	7.47	7.48
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid.	500.00	2000.00	175.4	175.4	176.0	176.1	175.5	175.3
4	Turbidity. (NTU)	1.00	5.00	0.98	1.32	1.28	1.32	1.41	1.45
5	Residual Free Chlorine	0.20	1.00	0.15	0.45	0.15	0.2	0.3	0.25
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	173.71	169.57	173.71	173.71	173.71	173.71
8	Total Alkalinity. (mg/L)	200.00	600.00	153.6	148.8	153.6	153.6	153.6	153.6
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	18.43	16.59	18.43	18.43	18.43	18.43
<b>C. Bacteriological Test Results:</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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

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

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

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

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

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

**Date of Testing: 22.12.2020**

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.	CA-238	CD-125	CA-81	CB-15
<b>Physico - chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.48	7.49	7.50	7.50	7.52
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.3	175.1	175.2	175.1	175.2	175.0
4	Turbidity (NTU)	1.00	5.00	1.12	1.11	1.21	1.34	1.37	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.35	0.1	0.2	0.25	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	173.71	173.71	173.71	173.71	173.71	173.71
8	Total Alkalinity (mg/L)	200.00	600.00	153.6	153.6	153.6	153.6	153.6	153.6
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	18.43	16.59	18.43	16.59	18.43	18.43
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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 - I**

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

Date of Testing: 22.12.2020

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	AC - 142	AC - 107	AC - 50
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.52	7.53	7.52	7.52	7.53	7.54
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.1	174.9	175.2	176.1	175.2	174.8
4	Turbidity (NTU)	1.00	5.00	1.32	1.41	1.21	1.18	1.35	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.75	0.5	0.65	0.6	0.55
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	169.57	173.71	169.57	169.57	169.57	173.71
8	Total Alkalinity (mg/L)	200.00	600.00	153.6	153.6	153.6	153.6	153.6	153.6
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	18.43	18.43	18.43	18.43	18.43	18.43
<b>C. Bacteriological Test Results :</b>									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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: 29.12.2020

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.48	7.51
2	Temperature(degree C)	----	----	23.6	23.6	23.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	176.2	176.2	176.0
4	Turbidity, (NTU)	1.00	5.00	0.98	0.74	0.96
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.45	0.6	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness, (mg/L)	200.00	600.00	173.71	173.71	173.71
8	Total Alkalinity, (mg/L)	200.00	600.00	157.74	152.96	152.96
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.12	18.29	18.26
<b>Bacteriological Test Results :</b>						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.

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 - I**

**TEST REPORT: AA – I, ZONE – IX**

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

**Date of Testing: 29.12.2020**

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			
				INTLET OF O.H.R.	OUTLET OF O.H.R	Rishi Tower	DAWAT RESTAURANT
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.55	7.56	7.58
2	Temperature(degree C)	----	----	23.6	23.6	23.6	23.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	175.8	75.6	175.4	175.5
4	Turbidity, (NTU)	1.00	5.00	0.97	1.15	0.91	0.98
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.55	0.5	0.3	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200.00	600.00	173.71	173.71	173.71	173.71
8	Total Alkalinity, (mg/L)	200.00	600.00	152.96	157.74	157.74	157.74
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.29	18.29	18.29	18.29
<b>C. Bacteriological Test Results :</b>							
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.

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

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

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

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

**ACTION AREA – II**  
**(DECEMBER' 2020)**

·  
·

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: 11.12.2020**

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	7.48	7.51	7.54
2	Temperature (degree C)	----	----	21.9	22.7	22.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.2	169.3	169.9
4	Turbidity (NTU)	1.00	5.00	0.97	0.98	0.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.5	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	167.32	167.32	167.32
8	Total Alkalinity (mg/L)	200.00	600.00	163.84	163.84	163.84

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 – IIC, ZONE – I**

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

Date of Testing: 14.12.2020

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 OF O.H.R.	OUTLET OF O.H.R.	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	7.46	7.53	7.48	7.52	7.64	7.48	7.53
2	Temperature (degree C)	----	----	24.6	24.6	24.7	24.5	24.6	24.7	23.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.4	172.8	172.7	172.9	173.2	173.1	173.1
4	Turbidity (NTU)	1.00	5.00	1.16	1.18	1.21	1.23	1.33	1.35	1.40
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.35	0.15	0.35	0.2	0.1	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	167.32	167.32	167.32	167.32	167.32	167.32	167.32
8	Total Alkalinity (mg/L)	200.00	600.00	163.84	163.84	163.84	163.84	163.84	163.84	163.84

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 – IID, ZONE – V**

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

Date of Testing: 14.12.2020

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		
				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	7.70	7.66	7.65
72	Temperature (degree C)	----	----	24.2	24.5	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	172.3	172.5	172.5
4	Turbidity (NTU)	1.00	5.00	1.48	1.31	1.27
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	163.34	163.34	163.34
8	Total Alkalinity (mg/L)	200.00	600.00	158.72	158.72	158.72

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, ZONE – VI**

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

**Date of Testing: 14.12.2020**

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		
				OUTLET OF O.H.R.	SHRACHI GREEN WOOD ELEMENT	GREEN FIELD AMBITION
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.68	7.71	7.70
2	Temperature (degree C)	----	----	24.6	24.7	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.0	172.5	172.5
4	Turbidity (NTU)	1.00	5.00	1.08	1.35	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	171.31	171.31	171.31
8	Total Alkalinity (mg/L)	200.00	600.00	158.72	158.72	158.72

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 – IIA, ZONE – X**

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

Date of Testing: 17.12.2020

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	7.53	7.61	7.63
2	Temperature (degree C)	----	----	24.1	24.1	23.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.1	174.2	174.1
4	Turbidity (NTU)	1.00	5.00	1.17	1.21	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	165.44	165.44	165.44
8	Total Alkalinity (mg/L)	200.00	600.00	148.8	148.8	148.8

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: 17.12.2020**

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
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.51	7.50	7.51	7.59	7.49	7.50
2	Temperature (degree C)	----	----	24.6	24.5	24.5	24.4	24.2	24.5	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.3	174.2	175.3	174.5	175.0	174.8	174.0
4	Turbidity (NTU)	1.00	5.00	1.07	1.03	1.02	1.31	1.25	1.07	1.18
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.35	0.2	0.15	0.2	0.25	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	165.44	165.44	165.44	165.44	165.44	165.44	165.44
8	Total Alkalinity (mg/L)	200.00	600.00	148.8	148.8	148.8	148.8	148.8	148.8	148.8

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, ZONE – I

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

Date of Testing: 24.12.2020

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 OF O.H.R.	OUTLET OF O.H.R.	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	0.15	0.55	0.35	0.4	0.3	0.3	0.45
2	Temperature (degree C)	----	----	23.3	23.3	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.3	176.8	176.8	177.2	177.1	176.6	174.9
4	Turbidity (NTU)	1.00	5.00	0.96	0.91	0.92	1.10	1.19	1.16	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.55	0.35	0.4	0.3	0.3	0.45
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	173.71	173.71	173.71	173.71	173.71	173.71	173.71
8	Total Alkalinity (mg/L)	200.00	600.00	152.96	157.74	152.96	152.96	152.96	157.74	152.96
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	16.46	16.46	16.46	16.46	16.46	16.46	16.46
<b>C. Bacteriological Test Results:</b>										
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F

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

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

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

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

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

**TEST REPORT: AA – IID, ZONE – V**  
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 24.12.2020

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		
				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	7.49	7.50	7.51
2	Temperature (degree C)	----	----	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.1	176.2	176.4
4	Turbidity (NTU)	1.00	5.00	1.27	1.29	1.32
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	173.71	173.71	173.71
8	Total Alkalinity (mg/L)	200.00	600.00	152.96	152.96	152.96
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.46	16.46	16.46
<b>C. Bacteriological Test Results:</b>						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F

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

Date of Testing: 24.12.2020

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		
				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	7.48	7.49	7.49
2	Temperature (degree C)	----	----	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.1	175.9	176.1
4	Turbidity (NTU)	1.00	5.00	0.97	1.10	1.23
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	173.71	173.71	173.71
8	Total Alkalinity (mg/L)	200.00	600.00	152.96	152.96	152.96
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.46	16.46	16.46
<b>C. Bacteriological Test Results:</b>						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F

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, ZONE – XI**

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

**Date of Testing: 29.12.2020**

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 PHE SUPPLY BESIDE PUMP ROOM
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.61	7.62
2	Temperature (degree C)	----	----	23.6	23.6	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.5	175.3	175.3
4	Turbidity (NTU)	1.00	5.00	1.12	1.15	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	173.71	173.71	173.71
8	Total Alkalinity (mg/L)	200.00	600.00	152.96	148.18	148.18
9	Chloride (mg/L)	250.00	1000.00	18.29	20.12	20.12
10	Iron(mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
<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

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.

