

**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
NOVEMBER' 2020**

ACTION AREA – I
(NOVEMBER' 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: ACTION AREA -I, ZONE - IV

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

Date of Testing: 02.11.2020

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	BB - 50	BC - 105
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.27	7.30	7.31	7.33	7.34
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.4	141.3	141.4	142.0	141.0	140.6
4	Turbidity (NTU)	1.00	5.00	0.81	1.15	1.81	1.58	1.81	1.08
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.25	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	136.27	136.27	136.27	136.27	136.27	136.27
8	Total Alkalinity (mg/L)	200.00	600.00	137.46	132.72	137.46	137.46	132.72	132.72
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	15.08	15.08	15.08	15.08	15.08	15.08
C. Bacteriological Test Results :									
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, WATLR 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: 02.11.2020

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
Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.34	7.36	7.36	7.37	7.38
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.9	141.8	141.0	141.5	140.9	141.8
4	Turbidity (NTU)	1.00	5.00	0.83	0.89	1.19	1.11	1.07	1.32
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.15	0.1	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	132.26	136.27	132.26	132.26	132.26	136.27
8	Total Alkalinity (mg/L)	200.00	600.00	132.72	137.46	132.72	132.72	132.72	137.46
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	15.08	16.97	16.97	16.97	15.08
C. .Bacteriological Test Results :									
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
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GOVERNMENT OF WEST BENGAL
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 03.11.2020

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	AA - 05	AC - 107	AC - 148
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.49	7.51	7.59	7.64	7.65	7.58
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	143	142.6	143.9	143.4	144.7	142.9
4	Turbidity (NTU)	1.00	5.00	1.02	1.10	0.96	0.69	0.78	0.66
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.15	0.1	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	128.25	128.25	128.25	128.25	128.25	128.25
8	Total Alkalinity (mg/L)	200.00	600.00	132.72	132.72	132.72	132.72	132.72	132.72
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	15.08	16.97	16.97	16.97	15.08
C. Bacteriological Test Results :									
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

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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 – VII

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

Date of Testing: 06.11.2020

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.40	7.41	7.35	7.41	7.42
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	147.7	147.6	147.5	149.5	147.5	148.1
4	Turbidity, (NTU)	1.00	5.00	1.34	1.21	1.06	1.07	1.12	1.25
5	Residual Free Chlorine	0.20	1.00	0.1	0.15	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	144.28	140.28	140.28	144.28	140.28	144.28
8	Total Alkalinity, (mg/L)	200.00	600.00	146.94	137.46	146.94	146.94	137.46	146.94
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	15.08	16.97	16.97	16.97	16.97	16.97
C. Bacteriological Test Results:									
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 10.11.2020

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE - 196	CE -197
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.30	7.35	7.36	7.37
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	151.9	152.3	151.0	153.0	151.6
4	Turbidity (NTU)	1.00	5.00	1.47	1.17	0.91	1.16	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.3	0.25	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	144.28	144.28	144.28	144.28	144.28
8	Total Alkalinity (mg/L)	200.00	600.00	142.2	142.2	142.2	142.2	142.2
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.08	15.08	15.08	15.08	15.08
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF

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

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

Sd/-
Assistant Engineer
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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 – III
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 10.11.2020

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	NEW TOWN BUS TERMINUS	BA -120	AB -71	AB -13
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.32	7.33	7.32	7.34	7.35
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	153.0	152.2	152.7	153.2	152.3	152.6
4	Turbidity, (NTU)	1.00	5.00	1.29	1.59	0.98	1.08	1.62	1.32
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.2	0.25
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	148.29	148.29	148.29	148.29	148.29	148.29
8	Total Alkalinity, (mg/L)	200.00	600.00	146.94	146.94	146.94	146.94	146.94	146.94
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	15.08	15.08	16.97	15.08	15.08
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL
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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 & Bacteriological)

Date of Testing: 11.11.2020

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.22	7.26
2	Temperature(degree C)	----	----	26.4	26.4	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	154.6	154.3	154.3
4	Turbidity, (NTU)	1.00	5.00	1.63	1.52	1.34
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	132.26	132.26	132.26
8	Total Alkalinity, (mg/L)	200.00	600.00	142.2	137.46	137.46
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.08	16.97	16.97
Bacteriological Test Results :						
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.

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

Date of Testing: 11.11.2020

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
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.25	7.27	7.28
2	Temperature(degree C)	----	----	26.4	26.4	26.4	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	153.5	154.3	153.6	154.0
4	Turbidity, (NTU)	1.00	5.00	1.58	1.46	1.17	1.26
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.35	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	120.24	124.24	120.24	124.24
8	Total Alkalinity, (mg/L)	200.00	600.00	142.2	137.46	142.2	137.46
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	18.85	16.97	18.85
C. Bacteriological Test Results :							
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.

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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 – III

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

Date of Testing: 16.11.2020

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		
				Millennium tower,HIG	LIG, MIG	AI- 18
A. Physico-chemical Test Results :						
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.46	7.45
2	Temperature(degree C)	----	----	23.2	24.4	23.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.6	157.4	157.0
4	Turbidity, (NTU)	1.00	5.00	1.40	0.70	0.55
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.2
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :						
7	Total Hardness, (mg/L)	200.00	600.00	120.24	120.24	120.24
8	Total Alkalinity, (mg/L)	200.00	600.00	142.2	137.46	137.46
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	16.97	16.97
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – I, TANK – III

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

Date of Testing: 17.11.2020

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				TANK - III			
				Millennium power, HIG	LIG, MIG	AI-18	NKDA
A. Physico-chemical Test Results :							
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.49	7.44	7.42
2	Temperature(degree C)	----	----	26.6	26.4	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	150.9	153.7	151.5	153.0
4	Turbidity, (NTU)	1.00	5.00	0.83	0.87	1.32	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.2	0.1
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :							
7	Total Hardness, (mg/L)	200.00	600.00	120.24	120.24	120.24	120.24
8	Total Alkalinity, (mg/L)	200.00	600.00	123.24	123.24	123.24	123.24
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
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 18.11.2020

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		
				Millennium tower,HIG	MIG	AI- 18
A. Physico-chemical Test Results :						
1	pH Value.	6.5-8.5	6.5-8.5	7.25	7.33	7.33
2	Temperature(degree C)	----	----	26.3	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.9	164.9	161.6
4	Turbidity, (NTU)	1.00	5.00	1.05	1.53	0.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.1	0.1
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :						
7	Total Hardness, (mg/L)	200.00	600.00	128.26	132.26	128.26
8	Total Alkalinity, (mg/L)	200.00	600.00	123.24	127.98	123.24
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.09	15.09	15.09
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 19.11.2020

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			
				Millennium tower,HIG	MIG, LIG	AI- 18	NKDA
1	pH Value.	6.5-8.5	6.5-8.5	7.05	7.09	7.12	7.14
2	Temperature(degree C)	----	----	26.2	26.3	26.4	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.1	163.3	160.9	160.4
4	Turbidity, (NTU)	1.00	5.00	0.91	0.71	0.95	0.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.2	0.2
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
A. Chemical Test Results :							
7	Total Hardness, (mg/L)	200.00	600.00	128.26	132.26	128.26	128.26
8	Total Alkalinity, (mg/L)	200.00	600.00	123.24	127.98	123.24	123.24
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	15.09	15.09	15.09
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 20.11.2020

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			
				Millennium tower,HIG	MIG, LIG	AI- 17	NKDA
1	pH Value.	6.5-8.5	6.5-8.5	6.91	6.95	6.99	7.02
2	Temperature(degree C)	----	----	26.6	26.8	26.7	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	167.5	164.1	165.2	161.3
4	Turbidity, (NTU)	1.00	5.00	1.66	1.05	1.45	0.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.2	0.1
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
A. Chemical Test Results :							
7	Total Hardness, (mg/L)	200.00	600.00	132.26	128.26	132.26	128.26
8	Total Alkalinity, (mg/L)	200.00	600.00	127.98	123.24	127.98	123.24
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	15.09	15.09	15.09
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 23.11.2020

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	AA - 05	AC-107	AC-50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.31	7.28	7.27	7.27	7.27
2	Temperature(degree C)	----	----	25.1	24.9	24.9	25.1	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.6	162.6	162.2	162.5	162.8	162.0
4	Turbidity (NTU)	1.00	5.00	0.58	1.41	0.83	0.95	0.63	0.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	0.2	0.1	0.1
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	148.29	148.29	148.29	148.29	148.29	148.29
8	Total Alkalinity (mg/L)	200.00	600.00	137.46	142.20	142.20	142.20	142.20	142.20

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 – V

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

Date of Testing: 24.11.2020

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.	CC-197	CD - 125	CA- 81	CB-05
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.27	7.28	7.29	7.27	7.28
2	Temperature(degree C)	----	----	25.2	25.2	25.3	25.3	25.4	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.1	163.4	162.6	162.7	162.5	162.3
4	Turbidity (NTU)	1.00	5.00	0.89	0.99	0.79	1.10	1.12	0.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.75	0.3	0.1	0.15	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	151.39	155.37	155.37	155.37	151.39	151.39
8	Total Alkalinity (mg/L)	200.00	600.00	148.48	148.48	148.48	148.48	148.48	148.48

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 & Bacteriological)

Date of Testing: 24.11.2020

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				
				OUTLET OF O.H.R.	NBCC	CE/1/A/113	C E -74	CE -197
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.24	7.27	7.3	7.31
2	Temperature(degree C)	----	----	24.8	25.1	25.1	25.3	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.3	162.4	162.6	162.5	163.1
4	Turbidity (NTU)	1.00	5.00	0.96	0.70	1.15	1.48	1.14
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2	0.25	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	155.37	155.37	155.37	155.37	155.37
8	Total Alkalinity (mg/L)	200.00	600.00	148.48	148.48	148.48	148.48	148.48
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.20	15.20	15.20	15.20	15.20
C. .Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	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.

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: 25.11.2020

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			
				HIG	MIG, LIG	AI- 11	OHR -3
1	pH Value.	6.5-8.5	6.5-8.5	7.26	7.27	7.28	7.31
2	Temperature(degree C)	----	----	25.3	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.3	160.9	160.9	161.3
4	Turbidity, (NTU)	1.00	5.00	0.86	1.73	0.87	1.14
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.15	0.2	0.45
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
A. Chemical Test Results :							
7	Total Hardness, (mg/L)	200.00	600.00	139.44	139.44	139.44	139.44
8	Total Alkalinity, (mg/L)	200.00	600.00	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
10	Chloride (mg/L)	250.00	1000.00	15.20	15.20	15.20	15.20
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 26.11.2020

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	OUTLET	HIG INLET	HIG UGR	MIG LIG INLET	MIG LIG OUTLET	NKDA OFFICE	AI -18
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.20	7.21	7.24	7.26	7.28	7.29	7.31
2	Temperature(degree C)	----	----	24.9	24.9	25.2	25.2	25.3	25.3	25.4	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	164.3	162.5	164.5	165.1	167.1	167.2	165.1	164.4
4	Turbidity, (NTU)	1.00	5.00	1.12	0.98	1.21	2.29	1.31	1.33	0.98	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.9	0.5	0.3	0.1	0.1	0.1	0.45	0.4
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
A. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	143.42	143.42	143.42	143.42	143.42	143.42	143.42	143.42
8	Total Alkalinity, (mg/L)	200.00	600.00	148.48	148.48	148.48	148.48	153.6	153.6	148.48	148.48
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	17.10	17.10	17.10	17.10	17.10	17.10	17.10	17.10
B. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 27.11.2020 Time : 2:30 PM

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	OUTLET	AI -152	Reste LLO	AI 153/14	AI- 153/14 Millennium tower, HIG
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.31	7.29	7.28	7.27	7.20
2	Temperature(degree C)	----	----	25.4	25.4	25.5	25.6	25.3	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	163.7	163.6	163.9	164.3	163.7	165.1
4	Turbidity, (NTU)	1.00	5.00	0.56	0.92	0.88	1.18	0.94	0.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.35	0.4	0.25
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
A. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	143.42	143.42	143.42	143.42	143.42	143.42
8	Total Alkalinity, (mg/L)	200.00	600.00	148.48	148.48	148.48	148.48	148.48	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	17.10	17.10	17.10	17.10	17.10	17.10
B. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

ACTION AREA – II
(NOVEMBER' 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 – II C, ZONE – I

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

Date of Testing: 05.11.2020

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
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.22	7.25	7.27	7.28	7.30	7.33
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	148.5	148.7	146.2	146.5	146.9	146.4	146.4
4	Turbidity (NTU)	1.00	5.00	1.18	1.13	1.09	1.44	1.61	1.12	1.04
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.15	0.35	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	140.28	136.27	136.27	136.27	136.27	136.27	136.27
8	Total Alkalinity (mg/L)	200.00	600.00	137.46	137.46	137.46	137.46	137.46	137.46	137.46
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	15.08	16.97	15.08	15.08	15.08	15.08	15.08
C. Bacteriological Test Results:										
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: 05.11.2020

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			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.37	7.38	7.39
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	147.7	148.1	147.9	147.8
4	Turbidity (NTU)	1.00	5.00	1.42	1.85	1.54	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.23
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	140.28	140.28	140.28	140.28
8	Total Alkalinity (mg/L)	200.00	600.00	142.2	137.46	142.2	142.2
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	15.08	16.97	16.97	16.97
C. Bacteriological Test Results:							
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.

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Assistant Engineer
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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: 05.11.2020

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.36	7.37
2	Temperature (degree C)	----	----	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	147.5	146.6	147.8
4	Turbidity (NTU)	1.00	5.00	1.81	1.84	1.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	140.28	136.27	140.28
8	Total Alkalinity (mg/L)	200.00	600.00	137.46	137.46	137.46
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	16.97	16.97
C. Bacteriological Test Results:						
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

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

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

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

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 11.11.2020

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.16	7.21	7.24
2	Temperature (degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	153.8	153.6	152.9
4	Turbidity (NTU)	1.00	5.00	1.48	1.55	1.62
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	120.24	120.24	120.24
8	Total Alkalinity (mg/L)	200.00	600.00	142.2	142.2	142.2
9	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97
10	Iron(mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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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: AA – II A, ZONE – X

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

Date of Testing: 13.11.2020

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.34	7.34
2	Temperature (degree C)	----	----	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.5	157.4	156.4
4	Turbidity (NTU)	1.00	5.00	1.21	1.22	1.06
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	120.24	120.24	120.24
8	Total Alkalinity (mg/L)	200.00	600.00	137.46	137.46	137.46

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: AA – IIB, ZONE – IV

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

Date of Testing: 13.11.2020

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	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.31	7.30	7.30	7.31	7.31
2	Temperature (degree C)	----	----	26.4	26.4	26.4	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	157.4	154.4	158.3	157.9	158.2	157.8
4	Turbidity (NTU)	1.00	5.00	1.10	1.32	1.28	0.94	1.62	1.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	120.24	120.24	120.24	120.24	120.24	120.24
8	Total Alkalinity (mg/L)	200.00	600.00	137.46	137.46	137.46	137.46	137.46	137.46

O.H.R. – OVER HEAD RESERVOIR ,

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 Chemist
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