

**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
MARCH' 2021**

ACTION AREA – I
(MARCH' 2021)

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: 01.03.2021

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	7.25	7.26	7.26	7.27	7.27	7.28
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.9	177.7	178.8	177.4	178.7	177.7
4	Turbidity (NTU)	1.00	5.00	1.16	1.14	1.28	1.27	1.35	1.17
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.35	0.15	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	156.10	160.21	160.21	160.21	160.21	160.21
8	Total Alkalinity (mg/L)	200.00	600.00	156.8	156.8	156.8	156.8	156.8	156.8
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	22.46	22.46	22.46	22.46	22.46	22.46
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: AA – I, ZONE – II
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 01.03.2021

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	BA -120	AB -71	AB-13
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.20	7.21	7.21	7.22	7.23	7.22
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.4	178.6	178.6	178.3	178.5	177.8
4	Turbidity, (NTU)	1.00	5.00	1.19	1.41	1.29	1.15	1.18	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.3	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	160.21	160.21	160.21	160.21	160.21	160.21
8	Total Alkalinity, (mg/L)	200.00	600.00	161.28	156.8	156.8	156.8	156.8	156.8
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.33	24.33	24.33	24.33	24.33	24.33
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

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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: 03.03.2021

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-82	CB-08
Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.31	7.32	7.32	7.33	7.33
2	Temperature(degree C)	----	----	25.8	25.8	25.8	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.9	178.0	178.1	177.8	177.9	177.8
4	Turbidity (NTU)	1.00	5.00	1.39	1.29	1.69	1.68	1.49	1.40
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.25	0.1	0.1	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	164.32	168.42	168.42	164.32	164.32	164.32
8	Total Alkalinity (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28	161.28	161.28
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.33	24.33	24.33	24.33	24.33	24.33
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

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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: 03.03.2021

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 /I/A/113	CE -74	CE -197
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.25	7.26	7.26	7.27	7.27
2	Temperature(degree C)	----	----	25.8	25.8	25.8	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.8	178.4	178.3	177.7	177.8	178.3
4	Turbidity (NTU)	1.00	5.00	1.17	1.23	1.28	1.65	1.55	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.4	0.35	0.25	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	168.42	160.21	160.21	160.21	160.21	160.21
8	Total Alkalinity (mg/L)	200.00	600.00	165.76	170.24	165.76	165.76	165.76	165.76
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.33	24.33	24.33	24.33	24.33	24.33
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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 04.03.2021

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	7.33	7.36	7.37	7.38
2	Temperature(degree C)	----	----	23.2	23.2	23.3	23.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	191.7	191.3	191.9	191.5
4	Turbidity (NTU)	1.00	5.00	2.35	2.41	2.43	2.49
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.45	0.25	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	179.74	163.02	179.74	179.74
8	Total Alkalinity, (mg/L)	200.00	600.00	150.5	154.8	150.5	150.5
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	21.05	21.05	21.05	21.05
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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 04.03.2021

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	7.33	7.33	7.36
2	Temperature(degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	179.7	179.6	179.4
4	Turbidity (NTU)	1.00	5.00	2.61	2.31	1.71
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :						
7	Total Hardness, (mg/L)	200.00	600.00	168.42	168.42	168.42
8	Total Alkalinity, (mg/L)	200.00	600.00	156.8	156.8	156.8
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.58	24.33	24.33
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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I , ZONE - I

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

Date of Testing: 05.03.2021

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	AD -26	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.39	7.38	7.40	7.41	7.39
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.6	178.3	178.1	178.1	178.1	177.9
4	Turbidity (NTU)	1.00	5.00	1.12	1.32	1.18	1.15	1.21	1.18
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.3	0.25	0.35	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	160.21	156.10	156.10	156.10	156.10	156.10
8	Total Alkalinity (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28	161.28	161.28
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	22.46	22.46	22.46	22.46	22.46	22.46
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

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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 - II

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

Date of Testing: 08.03.2021

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	BA - 120	AB - 72	AB - 13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.33	7.34	7.34	7.36	7.37
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	180.2	179.6	179.7	180.1	180.2	179.3
4	Turbidity (NTU)	1.00	5.00	1.20	1.18	1.21	1.10	1.18	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.35	0.2	0.3	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	164.32	160.21	160.21	164.32	164.32	160.21
8	Total Alkalinity (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28	161.28	161.28

O.H.R. – OVER HEAD RESERVOIR,

Sd/-
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 08.03.2021

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	7.38	7.40	7.41	7.41	7.42	7.42
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	179.2	179.7	179.1	179.1	179.7	179.2
4	Turbidity (NTU)	1.00	5.00	1.26	1.12	1.81	1.79	1.71	1.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.25	0.1	0.1	0.15	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	160.21	160.21	160.21	160.21	160.21	160.21
8	Total Alkalinity (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28	161.28	161.28

O.H.R. - OVER HEAD RESERVOIR

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

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

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

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 12.03.2021

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	OUTLET	NBCC	CE/1/A/97	CE- 197
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.43	7.43	7.44	7.45
2	Temperature(degree C)	----	----	26.9	26.9	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.9	178.0	177.8	177.6	177.6
4	Turbidity (NTU)	1.00	5.00	1.61	1.38	1.41	1.45	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.4	0.3	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	151.99	156.10	151.99	151.99	151.99
8	Total Alkalinity (mg/L)	200.00	600.00	161.28	165.76	161.28	161.28	161.28

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)

Date of Testing: 12.03.2021

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 Admin building	DF - 94	DA-236
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.39	7.40	7.41	7.42	7.42
2	Temperature(degree C)	----	----	26.9	26.9	26.9	26.9	26.9	26.9
3	Total Dissolved Solid.	500.00	2000.00	178.2	177.8	177.7	178.9	177.4	177.5
4	Turbidity, (NTU)	1.00	5.00	1.71	1.98	1.97	1.58	1.98	1.95
5	Residual Free Chlorine	0.20	1.00	0.2	0.45	0.35	0.1	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	156.10	156.10	156.10	156.10	156.10	156.10
8	Total Alkalinity, (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28	161.28	161.28

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 & Bacteriological)

Date of Testing: 16.03.2021

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	A1/1/C/28	NKDA Off.	AL/1/C/40	AL/153/18
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.38	7.39	7.41	7.40	7.42
2	Temperature(degree C)	----	----	26.1	26.1	26.2	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.7	178.9	178.1	178.7	180.0	179.7
4	Turbidity, (NTU)	1.00	5.00	1.15	1.22	1.35	1.31	1.27	1.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.4	0.3	0.3	0.25	0.35
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	160.99	160.99	160.99	160.99	160.99	160.99
8	Total Alkalinity, (mg/L)	200.00	600.00	160.56	160.56	160.56	160.56	160.56	160.56

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

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

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

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

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 17.03.2021

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 -246	CD - 125	CA- 81	CB-08
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.42	7.42	7.45	7.46	7.47
2	Temperature(degree C)	----	----	27.1	27.1	27.1	27.1	27.1	27.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.8	179.0	179.0	179.6	179.3	178.9
4	Turbidity (NTU)	1.00	5.00	1.10	1.14	1.32	1.39	1.50	1.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.4	0.25	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	160.99	156.86	156.86	160.99	156.86	156.86
8	Total Alkalinity (mg/L)	200.00	600.00	165.02	156.1	156.1	165.02	156.1	156.1

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: 18.03.2021

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	BD - 110	BB - 99	BD -86
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.49	7.62	7.59	7.57	7.56	7.56
2	Temperature(degree C)	----	----	27.1	26.9	26.8	26.9	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.2	178.2	178.8	179.1	178.7	179.0
4	Turbidity (NTU)	1.00	5.00	0.93	1.17	1.21	1.46	1.13	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.3	0.25	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	165.12	165.12	165.12	165.12	165.12	165.12
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	156.1	156.1	160.56	156.1	160.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	23.65	23.65	23.65	23.65	23.65	23.65
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, 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:19.03.2021

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/95	CE -74	CE - 197	CE /1/A/101
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.34	7.37	7.37	7.38	7.40	7.40
2	Temperature(degree C)	----	----	27.1	27.1	27.1	27.1	27.1	27.1	27.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.6	181.1	179.8	179.9	180.5	180.3	179.2
4	Turbidity (NTU)	1.00	5.00	1.13	1.12	1.35	1.42	1.46	1.28	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.55	0.45	0.3	0.3	0.35	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	156.86	160.99	156.86	156.86	160.99	160.99	156.86
8	Total Alkalinity (mg/L)	200.00	600.00	156.1	160.56	156.1	156.1	160.56	156.1	156.1
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	23.65	23.65	23.65	23.65	23.65	23.65	23.65
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 19.03.2021

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 - 56	HIDCO Adm. Building	DC-181	DC-248	DF- 177
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.42	7.42	7.43	7.43	7.43	7.44
2	Temperature(degree C)	----	----	27.1	27.1	27.1	27.1	27.1	27.1	27.1
3	Total Dissolved Solid.	500.00	2000.00	179.6	179.7	180.6	179.7	179.7	179.6	179.7
4	Turbidity, (NTU)	1.00	5.00	1.20	1.10	1.22	1.81	1.29	1.31	1.28
5	Residual Free Chlorine	0.20	1.00	0.25	0.45	0.35	0.1	0.35	0.25	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness, (mg/L)	200.00	600.00	156.86	156.86	160.99	156.86	156.86	156.86	156.86
8	Total Alkalinity, (mg/L)	200.00	600.00	160.56	156.1	156.1	156.1	156.1	160.56	156.1
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	23.65	21.68	21.68	21.68	23.65	23.65	23.65
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: ACTION AREA -I, ZONE - I

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

Date of Testing: 22.03.2021

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 - 26	AA - 05	AC - 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.60	7.58	7.56	7.58	7.58
2	Temperature(degree C)	----	----	27.9	27.9	27.2	27.2	27.9	27.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.0	176.4	176.7	176.5	176.6	176.5
4	Turbidity (NTU)	1.00	5.00	1.24	1.45	1.49	1.02	1.17	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.3	0.3	0.25	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	152.73	152.73	152.73	152.73	156.86	152.73
8	Total Alkalinity (mg/L)	200.00	600.00	156.1	156.1	156.1	156.1	160.56	156.1
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	23.65	23.65	23.65	23.65	23.65	23.65
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, 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: 22.03.2021

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-94	DB-221
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.65	7.67	7.58	7.63	7.57
2	Temperature(degree C)	----	----	27.6	27.9	27.9	27.3	27.8	27.9
3	Total Dissolved Solid.	500.00	2000.00	176.9	176.8	176.9	178.4	177.2	178.8
4	Turbidity. (NTU)	1.00	5.00	1.01	1.29	1.59	0.97	1.40	1.37
5	Residual Free Chlorine	0.20	1.00	0.3	0.35	0.2	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	156.86	156.86	156.86	156.86	156.86	156.86
8	Total Alkalinity. (mg/L)	200.00	600.00	156.1	156.1	156.1	156.1	156.1	156.1
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	23.65	23.65	23.65	23.65	23.65	23.65
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
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: 26.03.2021

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	7.45	7.48	7.49
2	Temperature(degree C)	----	----	27.8	27.8	27.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	178.8	177.8	178.1
4	Turbidity (NTU)	1.00	5.00	1.28	1.18	1.36
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.35	0.45	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :						
7	Total Hardness, (mg/L)	200.00	600.00	156.86	156.86	156.86
8	Total Alkalinity, (mg/L)	200.00	600.00	165.02	160.56	160.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	21.68	21.68	21.68
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

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: 26.03.2021

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	7.51	7.52	7.52	7.54
2	Temperature(degree C)	----	----	27.8	27.8	27.8	27.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	178.1	178.2	178.1	177.1
4	Turbidity (NTU)	1.00	5.00	1.41	1.25	1.43	1.28
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.5	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	156.86	156.86	156.86	156.86
8	Total Alkalinity, (mg/L)	200.00	600.00	160.56	160.56	160.56	160.56
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	23.65	21.68	23.65	21.68
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.

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: 31.03.2021

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.	AC - 148	AA -02	AC -107	AC - 27
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.64	7.62	7.59	7.59	7.59
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.6	176.9	178.3	177.6	177.5	177.3
4	Turbidity (NTU)	1.00	5.00	1.25	1.28	1.34	1.22	1.27	1.26
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.3	0.2	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	160.99	160.99	160.99	156.86	156.86	156.86
8	Total Alkalinity (mg/L)	200.00	600.00	169.48	169.48	169.48	165.02	165.02	165.02
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	21.68	21.68	21.68	19.71	19.71	19.71
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, 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: 31.03.2021

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	BA -120	AE -14	AB-13
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.52	7.66	7.69	7.61	7.65
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.1	176.9	178.0	176.9	177.4	177.5
4	Turbidity, (NTU)	1.00	5.00	1.73	1.87	1.91	1.34	1.36	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.35	0.25	0.15	0.20	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	156.86	156.86	156.86	156.86	160.99	160.99
8	Total Alkalinity, (mg/L)	200.00	600.00	165.02	165.02	165.02	165.02	165.02	165.02
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	21.68	21.68	21.68	21.68	21.68	21.68
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.

ACTION AREA – II
(MARCH' 2021)

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: 02.03.2021

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	7.24	7.24	7.26	7.27	7.27	7.27	7.28
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.1	179.9	179.6	179.1	179.1	179.5	179.0
4	Turbidity (NTU)	1.00	5.00	1.38	1.48	1.28	1.36	1.28	1.18	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	160.21	156.10	156.10	156.10	156.10	156.10	156.10
8	Total Alkalinity (mg/L)	200.00	600.00	156.8	156.8	156.8	156.8	156.8	156.8	156.8
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	22.46	22.46	22.46	22.46	22.46	22.46	22.46
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: 02.03.2021

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	7.32	7.34	7.36	7.36
2	Temperature (degree C)	----	----	25.3	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.1	179.3	179.1	179.1
4	Turbidity (NTU)	1.00	5.00	1.12	1.31	1.38	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.45	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	168.42	164.32	164.32	164.32
8	Total Alkalinity (mg/L)	200.00	600.00	156.8	152.32	152.32	152.32
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	24.33	24.33	24.33	24.33
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.

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: 02.03.2021

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
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.31	7.31	7.32
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.4	179.8	179.7	179.3
4	Turbidity (NTU)	1.00	5.00	1.15	1.45	1.10	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.25	0.15	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	164.32	160.21	160.21	160.21
8	Total Alkalinity (mg/L)	200.00	600.00	156.8	161.28	161.28	161.28
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	24.33	24.33	24.33	24.33
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.

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: 04.03.2021

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.42	7.42
2	Temperature (degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.2	179.5	178.8
4	Turbidity (NTU)	1.00	5.00	2.26	1.91	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.25	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	168.42	168.42	168.42
8	Total Alkalinity (mg/L)	200.00	600.00	165.76	161.28	161.28
9	Chloride (mg/L)	250.00	1000.00	26.20	22.46	22.46
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.

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)

Date of Testing: 10.03.2021

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	7.30	7.31
2	Temperature (degree C)	----	----	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.6	179.6	179.6
4	Turbidity (NTU)	1.00	5.00	1.81	1.67	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	156.10	156.10	156.10
8	Total Alkalinity (mg/L)	200.00	600.00	165.76	165.76	161.28

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 – IIB, ZONE – IV

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

Date of Testing: 10.03.2021

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
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.26	7.27	7.28	7.28	7.28	7.29	7.29
2	Temperature (degree C)	----	----	26.9	26.9	26.9	26.9	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.0	179.0	178.5	179.0	179.3	179.5	179.6
4	Turbidity (NTU)	1.00	5.00	1.21	1.12	1.41	1.59	1.56	1.29	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.25	0.2	0.1	0.1	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	168.42	164.32	164.32	168.42	168.42	168.42	168.42
8	Total Alkalinity (mg/L)	200.00	600.00	161.28	156.8	156.8	161.28	161.28	161.28	161.28

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)

Date of Testing: 15.03.2021

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	7.30	7.31	7.32	7.33	7.33	7.34	7.35
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	179.8	179.4	180.2	180.1	179.3	179.2	179.6
4	Turbidity (NTU)	1.00	5.00	1.12	1.18	1.15	1.17	1.13	1.14	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.45	0.15	0.35	0.25	0.1	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	160.99	160.99	160.99	160.99	160.99	160.99	160.99
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	165.02	160.56	165.02	160.56	160.56	160.56

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – II D, ZONE – V

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

Date of Testing: 15.03.2021

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	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.41	7.40
72	Temperature (degree C)	----	----	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.7	179.8	179.6
4	Turbidity (NTU)	1.00	5.00	1.28	1.15	1.12
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	160.99	160.99	160.99
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	160.56	160.56

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – IID, ZONE – VI

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

Date of Testing: 15.03.2021

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 GREEN WOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.37	7.37	7.36
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.8	178.9	178.9	178.7
4	Turbidity (NTU)	1.00	5.00	1.17	1.20	1.25	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.25	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	156.86	156.86	156.86	156.86
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	160.56	160.56	160.56

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
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Sd/-
Executive 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 – II B, ZONE – IV

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

Date of Testing: 19.03.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				AA – IIB, ZONE – IV, ECO URBAN VILLAGE			
				O.H.R	U.G.R	PHE SUPPLU SPOT 1	PHE SUPPLY SPOT 2
A. Physico-chemical Test Results:							
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.50	7.30	7.60	7.54
2	Temperature (degree C)	----	----	26.9	26.8	26.9	26.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	183.4	183.0	181.2	179.9
4	Turbidity (NTU)	1/1	5/10	1.13	1.17	1.24	1.74
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	<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)	200/200	600/600	165.12	165.12	160.99	160.99
8	Total Alkalinity (mg/L)	200/200	600/600	160.56	160.56	156.1	156.1
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	23.65	23.65	21.68	23.65
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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.

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 – II C, ZONE – I

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

Date of Testing: 23.03.2021

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	7.42	7.65	7.47	7.37	7.39	7.35	7.40
2	Temperature (degree C)	----	----	27.6	27.6	27.6	27.6	27.6	27.6	27.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.4	178.3	178.0	181.2	181.3	181.3	180.7
4	Turbidity (NTU)	1.00	5.00	1.70	1.36	1.01	1.70	1.13	1.17	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.25	0.15	0.2	0.2	0.1	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	156.86	156.86	156.86	160.99	160.99	160.99	160.99
8	Total Alkalinity (mg/L)	200.00	600.00	156.1	156.1	156.1	160.56	160.56	160.56	160.56
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	23.65	23.65	23.65	23.65	23.65	23.65	23.65
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 – II B, ZONE – IV

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

Date of Testing: 25.03.2021

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	MALANCHHA	NKDA MARKET	ECO URBAN VILLAGE
A. Physico-chemical Test Results:										
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.48	7.50	7.50	7.51	7.52	7.52	7.52
2	Temperature (degree C)	----	----	27.8	27.8	27.8	27.8	27.8	27.8	27.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.8	178.6	178.2	179.4	178.9	178.8	177.6
4	Turbidity (NTU)	1/1	5/10	1.22	1.38	1.26	1.37	1.31	1.25	1.26
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.1	0.25	0.25	0.2	0.3	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200/200	600/600	156.86	156.86	156.86	156.86	156.86	156.86	156.86
8	Total Alkalinity (mg/L)	200/200	600/600	160.56	156.1	156.1	156.1	160.56	160.56	156.1
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	23.65	23.65	23.65	23.65	23.65	23.65	23.65
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	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
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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: 25.03.2021

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	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.61	7.62
2	Temperature (degree C)	----	----	27.8	27.8	27.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.9	177.8	177.6
4	Turbidity (NTU)	1.00	5.00	1.20	1.15	1.12
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	156.86	156.86	156.86
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	160.56	160.56
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	23.65	23.65	23.65
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

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: 25.03.2021

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.54	7.54
2	Temperature (degree C)	----	----	27.8	27.8	27.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.7	178.2	177.9
4	Turbidity (NTU)	1.00	5.00	1.17	1.35	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	156.86	156.86	156.86
8	Total Alkalinity (mg/L)	200.00	600.00	156.1	156.1	156.1
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	23.65	23.65	23.65
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

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

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

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

Date of Testing: 30.03.2021

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.60	7.61
2	Temperature (degree C)	----	----	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.6	178.2	178.5
4	Turbidity (NTU)	1.00	5.00	1.54	1.37	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	160.99	156.86	156.86
8	Total Alkalinity (mg/L)	200.00	600.00	169.48	169.48	169.48
9	Chloride (mg/L)	250.00	1000.00	21.68	21.68	21.68
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.

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

Sd/-
Executive Engineer
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