

**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
JANUARY' 2021**

ACTION AREA – I
(JANUARY' 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 – I, ZONE – VII

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

Date of Testing: 04.01.2021

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-58	HIDCO Admin building	DF - 94	DA-248
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.62	7.64	7.66	7.67	7.67
2	Temperature(degree C)	----	----	23.2	23.2	23.3	23.3	23.3	23.3
3	Total Dissolved Solid.	500.00	2000.00	176.7	176.9	176.8	176.1	176.1	176.3
4	Turbidity, (NTU)	1.00	5.00	1.45	1.46	1.41	1.38	1.42	1.46
5	Residual Free Chlorine	0.20	1.00	0.2	0.25	0.25	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	172.2	168.1	172.2	168.1	168.1	168.1
8	Total Alkalinity, (mg/L)	200.00	600.00	146.3	146.3	146.3	146.3	146.3	146.3

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
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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 – VIII

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

Date of Testing: 04.01.2021

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-89	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.58	7.59	7.61	7.60	7.62
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	176.7	177.4	177.3	176.6	176.5	177.3
4	Turbidity (NTU)	1.00	5.00	1.80	1.39	1.31	1.27	1.58	1.65
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.5	0.25	0.25	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	168.1	172.2	172.2	168.1	168.1	172.2
8	Total Alkalinity. (mg/L)	200.00	600.00	146.3	142.12	142.12	146.3	146.3	142.12

O.H.R. – OVER HEAD RESERVOIR

Sd/-
Chemist
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Assistant Engineer
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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 – VI

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

Date of Testing: 06.01.2021

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 /I/A/97	CE - 74	CE -197
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.63	7.64	7.64	7.64	7.64
2	Temperature(degree C)	----	----	24.1	24.1	24.1	24.2	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.8	175.6	176.3	176.2	176.4	176.1
4	Turbidity (NTU)	1.00	5.00	1.92	1.94	1.66	1.79	1.76	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.15	0.35	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	164.0	164.0	164.0	164.0	164.0	164.0
8	Total Alkalinity (mg/L)	200.00	600.00	150.48	146.3	150.48	150.48	150.48	150.48
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.15	19.96	18.15	18.15	18.15	18.15
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
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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: 06.01.2021

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	AI/153/18	NKDA Off.	AL/1/C/40	AL/1/C/28
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.56	7.58	7.61	7.61	7.61
2	Temperature(degree C)	----	----	24.0	24.0	24.0	24.0	24.0	24.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.9	177.6	177.5	177.9	177.4	178.0
4	Turbidity, (NTU)	1.00	5.00	1.43	1.49	1.63	1.71	1.52	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.45	0.25	0.35	0.2	0.4
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	168.1	159.9	159.9	159.9	159.9	159.9
8	Total Alkalinity, (mg/L)	200.00	600.00	137.94	150.48	150.48	150.48	150.48	150.48
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.15	16.33	16.33	16.33	16.33	16.33
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

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

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Assistant Engineer
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Sd/-
Executive Engineer
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 11.01.2021

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	AC - 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.57	7.58	7.59	7.61	7.64
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.2	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.6	176.6	176.9	177.0	176.9	176.6
4	Turbidity (NTU)	1.00	5.00	1.59	1.51	1.45	1.26	1.61	1.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.25	0.2	0.35	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	172.2	155.8	155.8	172.2	155.8	155.8
8	Total Alkalinity (mg/L)	200.00	600.00	146.3	146.3	146.3	146.3	146.3	146.3

O.H.R. - OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
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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: 11.01.2021

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	7.56	7.58	7.58	7.59	7.59	7.61
2	Temperature(degree C)	----	----	23.4	23.4	23.4	23.4	23.4	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.3	177.3	177.8	177.0	176.8	177.1
4	Turbidity (NTU)	1.00	5.00	1.31	1.47	1.46	1.21	1.26	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.15	0.25	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	176.3	176.3	176.3	176.3	176.3	176.3
8	Total Alkalinity (mg/L)	200.00	600.00	150.48	142.12	150.48	142.12	142.12	150.48

O.H.R. – OVER HEAD RESERVOIR

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

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

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

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 15.01.2021

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	
				OUTLET OF O.H.R.	GREEN FIELD – 4D
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.35
2	Temperature(degree C)	----	----	23.4	23.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	178.4	177.9
4	Turbidity, (NTU)	1.00	5.00	1.36	1.38
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.55	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness, (mg/L)	200.00	600.00	168.26	168.26
8	Total Alkalinity, (mg/L)	200.00	600.00	136.32	136.32

O.H.R. – OVER HEAD RESERVOIR

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

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

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

GOVERNMENT OF WEST BENGAL
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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)

Date of Testing: 15.01.2021

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		
				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	7.41	7.42	7.45
2	Temperature(degree C)	----	----	23.4	23.4	23.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	176.9	176.4	176.3
4	Turbidity, (NTU)	1.00	5.00	1.68	1.61	1.61
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.45	0.3	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	160.05	160.05	160.05
8	Total Alkalinity, (mg/L)	200.00	600.00	140.58	140.58	140.58

O.H.R. – OVER HEAD RESERVOIR

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

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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 – V

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

Date of Testing: 19.01.2021

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- 81	CB-05
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.43	7.42	7.43	7.44	7.45
2	Temperature(degree C)	----	----	23.2	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.9	179.7	180.9	180.6	180.2	180.2
4	Turbidity (NTU)	1.00	5.00	1.44	1.48	1.28	1.21	1.18	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.35	0.15	0.2	0.25	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	155.95	164.16	155.95	155.95	155.95	155.95
8	Total Alkalinity (mg/L)	200.00	600.00	149.10	153.36	149.10	149.10	149.10	149.10

O.H.R. - OVER HEAD RESERVOIR,

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

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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: 19.01.2021

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-74	CE-197
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.48	7.47	7.41	7.39	7.45
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.1	179.7	180.3	179.6	180.5	178.1
4	Turbidity (NTU)	1.00	5.00	1.66	1.61	1.78	1.38	1.48	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.4	0.3	0.15	0.35	0.2
6	Odor	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	160.05	168.26	160.05	168.26	160.05	168.26
8	Total Alkalinity (mg/L)	200.00	600.00	153.36	149.10	153.36	149.10	153.36	149.10

O.H.R. – OVER HEAD RESERVOIR,

Sd/-
Chemist
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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: 22.01.2021

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 - 55	HIDCO Adm. Building	DF-94	DC-247
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.37	7.38	7.41	7.49	7.51
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.4	23.4	23.4
3	Total Dissolved Solid.	500.00	2000.00	184.2	184.1	183.7	183.6	183.7	183.6
4	Turbidity, (NTU)	1.00	5.00	1.40	1.38	1.23	1.26	1.48	1.31
5	Residual Free Chlorine	0.20	1.00	0.35	0.45	0.3	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	172.36	164.16	164.16	164.16	164.16	164.16
8	Total Alkalinity, (mg/L)	200.00	600.00	153.36	157.62	153.36	153.36	153.36	153.36
9	Iron(as Fe), (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride, (mg/L)	250.00	1000.00	19.96	19.96	19.96	19.96	19.96	19.96
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 – VIII
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 22.01.2021

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-27	DC-23	DA-88	DB-221
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.37	7.39	7.39	7.41	7.42
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.3	23.4	23.4
3	Total Dissolved Solid.	500.00	2000.00	183.7	182.6	184.0	184.0	183.5	183.7
4	Turbidity. (NTU)	1.00	5.00	1.28	1.35	1.42	1.45	1.23	1.51
5	Residual Free Chlorine	0.20	1.00	0.35	0.4	0.1	0.1	0.15	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	180.57	172.36	180.57	180.57	172.36	172.36
8	Total Alkalinity. (mg/L)	200.00	600.00	157.62	157.62	157.62	157.62	157.62	157.62
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	19.96	19.96	19.96	19.96	19.96	19.96
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 – III
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 27.01.2021

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	AK- 29	NKDA Off.	AL/1/C/40	AI/153/18
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.27	7.31	7.34	7.35	7.38	7.41
2	Temperature(degree C)	----	----	23.6	23.6	23.6	23.6	23.6	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.8	185.2	185.6	186.5	187.0	186.4
4	Turbidity, (NTU)	1.00	5.00	1.16	1.12	1.27	1.31	1.28	1.18
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.3	0.2	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	164.16	164.16	164.16	164.16	164.16	164.16
8	Total Alkalinity, (mg/L)	200.00	600.00	161.88	161.88	161.88	161.88	161.88	161.88
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	19.96	21.78	21.78	21.78	19.96	21.78
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
(JANUARY' 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)

Date of Testing: 08.01.2021

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	7.50	7.52	7.51	7.54	7.51	7.52	7.54
2	Temperature (degree C)	----	----	25.1	25.1	25.1	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.4	177.9	179.4	178.2	179.2	178.9	178.3
4	Turbidity (NTU)	1.00	5.00	1.38	1.31	1.42	1.62	1.64	1.51	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.35	0.2	0.2	0.25	0.15	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	168.1	168.1	168.1	168.1	168.1	168.1	168.1
8	Total Alkalinity (mg/L)	200.00	600.00	146.3	146.3	146.3	146.3	146.3	146.3	146.3

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – IID, ZONE – V

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

Date of Testing: 08.01.2021

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	7.58	7.56	7.57	7.59
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.8	177.9	177.7	177.8
4	Turbidity (NTU)	1.00	5.00	1.62	1.52	1.58	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.45	0.3	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	164.0	168.1	164.0	164.0
8	Total Alkalinity (mg/L)	200.00	600.00	150.48	146.3	150.48	150.48

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: AA – IIB, ZONE – IV

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

Date of Testing: 14.01.2021

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	7.52	7.51	7.52	7.49	7.50	7.50	7.49
2	Temperature (degree C)	----	----	23.4	23.3	23.3	23.3	23.4	23.4	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.1	177.7	178.2	178.3	178.0	178.1	178.3
4	Turbidity (NTU)	1.00	5.00	1.18	1.36	1.43	1.16	1.37	1.32	1.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.4	0.2	0.2	0.15	0.2	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	168.1	172.2	168.1	168.1	168.1	168.1	168.1
8	Total Alkalinity (mg/L)	200.00	600.00	146.3	146.3	146.3	146.3	146.3	146.3	146.3

O.H.R. - OVER HEAD RESERVOIR ,

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

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

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

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

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 15.01.2021

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	
				OUTLET OF O.H.R.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.48
2	Temperature (degree C)	----	----	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.3	176.6
4	Turbidity (NTU)	1.00	5.00	1.16	1.18
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	160.05	160.05
8	Total Alkalinity (mg/L)	200.00	600.00	144.84	144.84

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 15.01.2021

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	
				OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.46
2	Temperature (degree C)	----	----	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.8	177.2
4	Turbidity (NTU)	1.00	5.00	1.28	1.19
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	164.16	164.16
8	Total Alkalinity (mg/L)	200.00	600.00	144.84	144.84

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – II C, ZONE – I

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

Date of Testing: 21.01.2021

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	7.31	7.34	7.36	7.37	7.39	7.41	7.41
2	Temperature (degree C)	----	----	23.3	23.3	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.1	184.3	183.6	184.0	183.9	185.2	183.6
4	Turbidity (NTU)	1.00	5.00	1.69	1.71	1.73	1.74	1.80	1.72	1.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.15	0.45	0.2	0.4	0.25	0.15	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	168.26	168.26	168.26	168.26	168.26	168.26	168.26
8	Total Alkalinity (mg/L)	200.00	600.00	149.1	149.1	149.1	149.1	149.1	149.1	149.1
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	19.96	19.96	19.96	19.96	19.96	19.96	19.96
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: 21.01.2021

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	7.48	7.49	7.48	7.48
2	Temperature (degree C)	----	----	23.4	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.1	183.4	183.9	184.1
4	Turbidity (NTU)	1.00	5.00	1.88	1.66	1.71	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.5	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	168.26	168.26	168.26	168.26
8	Total Alkalinity (mg/L)	200.00	600.00	149.10	149.10	149.10	149.10
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	19.96	19.96	19.96	19.96
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: 21.01.2021

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		
				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	7.49	7.46	7.47
2	Temperature (degree C)	----	----	23.3	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.1	183.4	183.1
4	Turbidity (NTU)	1.00	5.00	2.87	1.76	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	168.26	168.26	168.26
8	Total Alkalinity (mg/L)	200.00	600.00	149.10	149.10	149.10
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.96	19.96	19.96
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 – II A, ZONE – X

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

Date of Testing: 29.01.2021

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	7.41	7.38	7.39
2	Temperature (degree C)	----	----	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.7	187.4	187.2
4	Turbidity (NTU)	1.00	5.00	1.41	1.61	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	184.68	180.57	180.57
8	Total Alkalinity (mg/L)	200.00	600.00	166.14	170.4	170.4
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.15	19.96	19.96
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 – II B, ZONE – IV

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

Date of Testing: 29.01.2021

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	MALANCHA	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	7.36	7.37	7.37	7.41	7.42	7.41	7.39
2	Temperature (degree C)	----	----	23.3	23.3	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	188.6	187.2	187.7	188.4	188.2	187.7	187.7
4	Turbidity (NTU)	1/1	5/10	1.66	1.29	1.41	1.61	1.71	1.75	1.76
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.15	0.3	0.2	0.15	0.2	0.15	0.25
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	184.68	180.57	180.57	184.68	184.68	180.57	180.57
8	Total Alkalinity (mg/L)	200/200	600/600	166.14	166.14	166.14	166.14	166.14	166.14	166.14
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	19.96	21.78	19.96	19.96	19.96	19.96	19.96
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
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