

**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' 2022**

ACTION AREA – I
(JANUARY' 2022)

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

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

Date of Testing: 03.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DF - 94	DC-248	DC-143
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	8.17	8.24	8.25	7.89	8.10	8.19	8.23
2	Temperature(degree C)	----	----	23.7	23.7	23.7	23.7	23.7	23.7	23.7
3	Total Dissolved Solid.	500.00	2000.00	190.4	190.4	190.4	193.7	190.3	190.5	190.5
4	Turbidity, (NTU)	1.00	5.00	1.65	1.38	1.71	1.65	1.16	1.24	1.82
5	Residual Free Chlorine	0.20	1.00	0.35	0.5	0.4	0.1	0.23	0.3	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	169.07	169.07	169.07	169.07	169.07	169.07	169.07
8	Total Alkalinity, (mg/L)	200.00	600.00	155.80	159.90	155.80	155.80	159.90	155.80	159.90

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.

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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: 03.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - VIII							
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222	DA-27	DC-27
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	8.19	8.22	8.23	8.23	8.22	8.20	8.24	8.21
2	Temperature(degree C)	----	----	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.7
3	Total Dissolved Solid.	500.00	2000.00	189.7	190.5	190.1	190.5	190.9	190.4	190.7	181.7
4	Turbidity. (NTU)	1.00	5.00	1.51	1.59	1.78	1.61	1.60	1.55	1.71	1.68
5	Residual Free Chlorine	0.20	1.00	0.4	0.3	0.15	0.25	0.2	0.25	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness. (mg/L)	200.00	600.00	160.28	164.10	164.10	164.10	164.10	164.10	164.10	160.28
8	Total Alkalinity. (mg/L)	200.00	600.00	139.40	155.80	155.80	155.80	155.80	155.80	155.80	155.80

O.H.R. – OVER HEAD RESERVOIR

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

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

TEST REPORT: ACTION AREA - I, ZONE - II

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

Date of Testing: 04.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - II							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AB- 72	AB - 13	AE-58	AE-65
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	8.10	8.12	8.14	8.15	8.16	8.16	8.17	8.15
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.7	191.2	191.3	191.2	191.0	191.0	190.9	190.7
4	Turbidity (NTU)	1.00	5.00	1.71	1.50	1.89	1.73	1.61	1.77	1.91	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	0.3	0.3	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	152.65	156.47	156.47	156.47	156.47	156.47	156.47	156.47
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	155.80	155.80	155.80	151.70	155.80	155.80	155.80

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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: 05.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - V							
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA- 246	CA- 239
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	8.10	8.13	8.16	8.16	8.16	8.17
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.1	192.5	192.4	193.8	192.8	192.6	192.2	191.8
4	Turbidity (NTU)	1.00	5.00	0.73	0.97	0.72	0.98	1.21	1.17	0.88	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.1	0.2	0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	164.10	164.10	164.10	164.10	160.28	160.28	160.28	160.28
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	155.80	155.80	155.80	151.70	155.80	155.80	155.80

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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: 06.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE -74	CE-104
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	8.10	8.13	8.17	8.17	8.18	8.13
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	192.1	192.2	193.4	193.5	193.3	192.7
4	Turbidity (NTU)	1.00	5.00	1.12	1.33	1.61	1.29	1.50	1.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.25	0.4	0.3	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	164.10	160.28	164.10	167.92	167.92	160.28
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	155.80	155.80	155.80	155.80	155.80
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97
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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 06.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - III						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AL/1/C/28	NKDA Off.	AL/1/C/40	AI/153/18	AI/18
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.95	8.07	8.05	8.06	8.04	8.09	8.07
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.3	193.5	194.1	193.9	194.2	193.4	194.5
4	Turbidity, (NTU)	1.00	5.00	1.53	1.66	1.81	1.83	1.56	1.77	1.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.4	0.45	0.3	0.1	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	164.10	167.92	171.73	164.10	171.73	167.92	167.92
8	Total Alkalinity, (mg/L)	200.00	600.00	151.70	155.80	155.80	151.70	155.80	151.70	155.80
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97	18.85
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
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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 – VII

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

Date of Testing: 13.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DC-143	DC- 248
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	8.16	8.21	8.26	8.12	8.14	8.20
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid.	500.00	2000.00	194.9	194.9	194.8	195.4	195.4	195.0
4	Turbidity, (NTU)	1.00	5.00	1.82	1.95	1.81	1.62	1.89	1.65
5	Residual Free Chlorine	0.20	1.00	0.35	0.45	0.4	0.2	0.3	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	167.92	171.73	167.92	171.73	171.73	171.73
8	Total Alkalinity, (mg/L)	200.00	600.00	164	164	164	168.10	168.10	168.10
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
10	Chloride (mg/L)	250/200	1000/1000	16.97	16.97	16.97	16.97	16.97	16.97
C .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF

O.H.R. – OVER HEAD RESERVOIR,

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

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

Date of Testing: 13.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VIII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-89	DB-222	DC-12
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	8.10	8.15	8.16	8.18	8.21	8.25	8.26
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid.	500.00	2000.00	194.9	195.4	195.2	194.8	195.5	194.8	195.0
4	Turbidity (NTU)	1.00	5.00	1.76	1.85	1.87	1.89	1.91	1.97	1.98
5	Residual Free Chlorine	0.20	1.00	0.4	0.35	0.2	0.15	0.2	0.25	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	171.73	171.73	171.73	167.92	171.73	167.92	171.73
8	Total Alkalinity. (mg/L)	200.00	600.00	164	168.10	168.10	164	168.10	164	164
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97	16.97
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.

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Assistant Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 14.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - V							
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA-64	CA-241
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	8.05	8.18	8.20	8.24	8.22	8.21	8.23	8.23
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.8	195.4	195.3	194.9	195.7	195.9	195.5	195.3
4	Turbidity (NTU)	1.00	5.00	1.63	1.70	1.45	1.66	1.71	1.65	1.77	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.15	0.1	0.35	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	167.91	171.73	171.73	167.91	171.73	171.73	171.73	171.73
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	155.80	151.70	151.70	155.80	151.70	151.70	151.70

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

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 14.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BF-58
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	8.19	8.19	8.19	8.15	8.17	8.17	8.18
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.0	195.5	195.5	195.9	195.8	196.2	195.9
4	Turbidity (NTU)	1.00	5.00	1.53	1.67	1.85	1.45	1.38	1.35	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.35	0.3	0.15	0.2	0.3	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	171.73	175.55	171.73	171.73	175.55	175.55	171.73
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	155.80	151.70	151.70	155.80	155.80	151.70

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 17.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.83	7.81	7.80
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	203	203	203	203
4	Turbidity, (NTU)	1.00	5.00	1.81	1.87	1.74	1.89
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	0.6	0.5	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	176.94	176.94	176.94	176.94
8	Total Alkalinity, (mg/L)	200.00	600.00	151.70	151.70	151.70	151.70
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	20.74	20.74	20.74	20.74
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 17.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT	VGM BUILDING
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.87	7.89	7.87	7.89
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	203	203	202	202	202
4	Turbidity, (NTU)	1.00	5.00	1.91	1.85	1.78	1.85	1.35
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.5	0.4	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	165.14	165.14	165.14	165.14	169.07
8	Total Alkalinity, (mg/L)	200.00	600.00	155.80	155.80	155.80	155.80	155.80
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.74	20.74	20.74	20.74	20.74
C .Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 20.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE -74	CE-194
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.99	7.98	7.96	7.97	7.99
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	199.7	201	201	198.1	201	197.8
4	Turbidity (NTU)	1.00	5.00	1.71	1.46	1.55	1.49	1.45	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.4	0.3	0.23	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	173.00	176.94	176.94	173.00	169.07	169.07
8	Total Alkalinity (mg/L)	200.00	600.00	159.90	164	164	164	164	164

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 20.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - III						
				INLET OF O.H.R.	OUTLET OF O.H.R	AI/68	NKDA Off.	AL/1/C/40	AI/153/18	AI/153
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.89	7.88	7.89	7.90	7.95	7.97
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	201	201	201	201	201	201
4	Turbidity, (NTU)	1.00	5.00	1.46	1.62	1.35	1.45	1.31	1.36	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.65	0.6	0.5	0.45	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	169.07	169.07	169.07	169.07	169.07	169.07	169.07
8	Total Alkalinity, (mg/L)	200.00	600.00	159.90	159.90	159.90	159.90	159.90	159.90	159.90

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

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

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

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

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

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 24.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - I							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC - 50	AA-54	AA-140
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.99	7.98	7.97	7.99	7.98	7.97
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	201	201	201	201	201	201	201
4	Turbidity (NTU)	1.00	5.00	1.59	1.65	1.57	1.45	1.32	1.71	1.35	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.55	0.3	0.25	0.4	0.45	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	169.08	169.08	169.08	169.08	169.08	169.08	169.08	169.08
8	Total Alkalinity (mg/L)	200.00	600.00	159.90	159.90	159.90	159.90	159.90	159.90	159.90	164
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	22.63	20.74	22.63	22.63	22.63	22.63	22.63
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 25.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DC - 115	DC-248
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	8.29	8.31	8.34	8.35	8.31	8.33
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid.	500.00	2000.00	201	202	202	203	202	203
4	Turbidity, (NTU)	1.00	5.00	1.89	1.75	1.57	1.25	1.35	1.71
5	Residual Free Chlorine	0.20	1.00	0.4	0.55	0.4	0.15	0.3	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	169.08	169.08	169.08	169.08	169.08	165.14
8	Total Alkalinity, (mg/L)	200.00	600.00	159.90	164	172.20	172.20	164	164

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

Date of Testing: 25.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VIII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-88	DC-23	DA-30	DB-222	DC-06
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	8.15	8.18	8.19	8.20	8.21	8.23	8.27
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid.	500.00	2000.00	201	202	202	202	202	202	202
4	Turbidity. (NTU)	1.00	5.00	1.58	1.71	1.75	1.51	1.69	1.81	1.75
5	Residual Free Chlorine	0.20	1.00	0.4	0.5	0.35	0.2	0.35	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness. (mg/L)	200.00	600.00	165.14	169.08	165.14	169.08	169.08	169.08	169.08
8	Total Alkalinity. (mg/L)	200.00	600.00	159.90	164	164	159.90	164	164	164

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 27.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.81	7.85	7.86
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	188.5	189.1	189.1	189.4
4	Turbidity, (NTU)	1.00	5.00	1.10	1.26	1.27	1.48
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.45	0.5	0.35	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	165.14	165.14	169.08	169.08
8	Total Alkalinity, (mg/L)	200.00	600.00	168.10	168.10	168.10	168.10

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

Date of Testing: 27.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.89	7.91	7.95	7.97
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	187.7	188.7	188.8	189.2	189.6
4	Turbidity, (NTU)	1.00	5.00	1.89	1.79	1.51	1.35	1.38
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.5	0.55	0.3	0.4	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	169.08	169.08	165.14	169.08	165.14
8	Total Alkalinity, (mg/L)	200.00	600.00	168.10	168.10	168.10	168.10	168.10

O.H.R. – OVER HEAD RESERVOIR ,

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

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

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

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

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 31.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AD - 27	AA-24
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.96	7.97	7.98	7.97	7.98
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.5	189.4	189.3	189.5	189.4	189.4	189.3
4	Turbidity (NTU)	1.00	5.00	1.97	1.68	1.98	1.95	1.76	1.94	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.25	0.2	0.3	0.35	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	169.08	169.08	169.08	169.08	169.08	165.14	169.08
8	Total Alkalinity (mg/L)	200.00	600.00	168.10	168.10	168.10	164	168.10	168.10	168.10

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 31.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - II							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AB- 72	AB - 13	AE-60	AB-121
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.93	7.94	7.95	7.97	7.98	7.96	7.97
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.4	189.3	189.5	188.8	189.4	188.6	189.6	189.5
4	Turbidity (NTU)	1.00	5.00	1.75	1.91	1.97	1.85	1.71	1.98	1.64	1.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.45	0.3	0.1	0.35	0.2	0.25	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	165.14	165.14	165.14	165.14	169.08	165.14	169.08	169.08
8	Total Alkalinity (mg/L)	200.00	600.00	168.10	168.10	168.10	168.10	168.10	168.10	168.10	168.10

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.

ACTION AREA – II
(JANUARY' 2022)

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

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 07.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE – XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.81	7.66
2	Temperature (degree C)	----	----	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.7	195.6	195.9
4	Turbidity (NTU)	1.00	5.00	1.63	1.80	1.49
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.35	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	171.73	167.92	167.92
8	Total Alkalinity (mg/L)	200.00	600.00	164	164	164

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: 11.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.97	7.98	7.96	7.98	7.97	7.99
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.8	198.3	197.7	197.9	197.5	197.8	197.6
4	Turbidity (NTU)	1.00	5.00	1.53	1.66	1.62	1.37	1.63	1.75	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.65	0.4	0.6	0.35	0.35	0.55
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	164.10	164.10	164.10	167.92	164.10	164.10	164.10
8	Total Alkalinity (mg/L)	200.00	600.00	164	164	164	164	164	164	164

N.F- NOT FOUND,

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: 11.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.95	7.97	7.97
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.1	198.3	198.3	198.4
4	Turbidity (NTU)	1.00	5.00	1.28	1.67	1.65	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.75	0.7	0.55	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	171.73	167.92	171.73	171.73
8	Total Alkalinity (mg/L)	200.00	600.00	164	164	168.10	164

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: 11.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.98	7.97
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.6	196.9	198.2	198.2
4	Turbidity (NTU)	1.00	5.00	1.31	1.55	1.43	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.6	0.5	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	167.92	164.10	167.92	167.92
8	Total Alkalinity (mg/L)	200.00	600.00	164	164	164	164

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 17.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE - XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.71	7.79
2	Temperature (degree C)	----	----	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	202	202
4	Turbidity (NTU)	1.00	5.00	1.61	1.81	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	176.94	176.94	176.94
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	151.70	151.70
9	Chloride (mg/L)	250.00	1000.00	20.74	20.74	20.74
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 FOUND

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

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

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

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

TEST REPORT: AA – II C, ZONE – I

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

Date of Testing: 19.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.81	7.86	7.87	7.90	7.88	7.90
2	Temperature (degree C)	----	----	23.4	23.4	23.4	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	203	204	203	203	203	203
4	Turbidity (NTU)	1.00	5.00	1.75	1.71	1.81	1.75	1.61	1.95	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.3	0.5	0.45	0.35	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	169.07	169.07	169.07	169.07	169.07	169.07	169.07
8	Total Alkalinity (mg/L)	200.00	600.00	164	164	164	164	164	164	164

N.F- NOT FOUND,

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: 19.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.89	7.91	7.92
2	Temperature (degree C)	----	----	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	203	203
4	Turbidity (NTU)	1.00	5.00	1.99	1.97	1.86	1.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	169.07	169.07	169.07	169.07
8	Total Alkalinity (mg/L)	200.00	600.00	164	164	164	164

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: 19.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.95	7.97	7.98
2	Temperature (degree C)	----	----	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	203	202
4	Turbidity (NTU)	1.00	5.00	1.97	1.98	1.62	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.5	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	169.07	169.07	169.07	169.07
8	Total Alkalinity (mg/L)	200.00	600.00	164	164	164	164

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – IIA, ZONE – X

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

Date of Testing: 21.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.85	7.91
2	Temperature (degree C)	----	----	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	204
4	Turbidity (NTU)	1.00	5.00	1.69	1.71	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.6	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	176.94	176.94	176.94
8	Total Alkalinity (mg/L)	200.00	600.00	159.90	159.90	159.90

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

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

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

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

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

TEST REPORT: AA – II B, ZONE – IV

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

Date of Testing: 21.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.69	7.67	7.67	7.69	7.70	7.71	7.73
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	204	204	203	205	205	204	205
4	Turbidity (NTU)	1.00	5.00	2.69	2.31	2.51	1.92	2.41	2.47	2.23	2.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.75	0.6	0.45	0.35	0.4	0.4	0.5	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	169.07	169.07	169.07	169.07	173.00	173.00	173.00	176.94
8	Total Alkalinity (mg/L)	200.00	600.00	159.90	159.90	159.90	159.90	159.90	159.90	159.90	159.90

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: 27.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE – XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.84	7.87
2	Temperature (degree C)	----	----	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.1	189.7	189.1
4	Turbidity (NTU)	1.00	5.00	1.78	1.54	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.55	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	165.14	169.08	165.14
8	Total Alkalinity (mg/L)	200.00	600.00	168.10	172.20	172.20

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – IIA, ZONE – X

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

Date of Testing: 28.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.89	7.86
2	Temperature (degree C)	----	----	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.2	189.9	190.0
4	Turbidity (NTU)	1.00	5.00	1.52	1.37	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	169.07	165.14	169.07
8	Total Alkalinity (mg/L)	200.00	600.00	168.10	168.10	168.10
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.85	18.85	18.85
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – II B, ZONE – IV

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

Date of Testing: 28.01.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE – IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WOODS	ANAHITA	MALANCHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
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	7.75	7.79	7.80	7.76	7.74	7.79	7.80	7.81
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.2	190.0	191.2	191.4	191.2	189.9	191.2	189.9
4	Turbidity (NTU)	1/1	5/10	1.53	1.72	1.25	1.65	1.71	1.81	1.50	1.74
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.6	0.55	0.4	0.35	0.3	0.45	0.5	0.5
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200/200	600/600	169.08	169.08	169.08	169.08	169.08	165.14	169.08	165.14
8	Total Alkalinity (mg/L)	200/200	600/600	164	164	164	168.10	164	164	164	168.10
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	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.74	20.74	18.85	18.85	18.85	18.85	20.74	20.74
C .Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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