

**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
FEBRUARY' 2022**

ACTION AREA – I
(FEBRUARY' 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: ACTION AREA - I, ZONE – VI

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

Date of Testing: 01.02.2022

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	7.97	7.94	7.95	7.96	7.97	7.98
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.6	190.4	190.8	190.2	191.1	190.4
4	Turbidity (NTU)	1.00	5.00	1.97	1.81	1.66	1.89	1.83	1.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.5	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	168.63	168.63	168.63	164.71	168.63	168.63
8	Total Alkalinity (mg/L)	200.00	600.00	157.32	157.32	157.32	157.32	161.46	161.46

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: 01.02.2022

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/1/C/28	NKDA Off.	AI/1/C/40	AI/153/18	AI-68
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.85	7.87	7.86	7.87	7.89	7.91
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	189.0	190.0	190.4	190.7	190.5	191.0	190.3
4	Turbidity, (NTU)	1.00	5.00	1.81	1.67	1.77	1.69	1.89	1.84	1.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.6	0.35	0.5	0.2	0.45	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	164.71	168.63	168.63	168.63	168.63	172.55	164.71
8	Total Alkalinity, (mg/L)	200.00	600.00	157.32	161.46	161.46	161.46	161.46	161.46	157.32

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
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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 & Bacteriological)

Date of Testing: 02.02.2022

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-56	CB-179
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.78	7.79	7.81	7.85	7.86	7.89	7.91	7.92
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	187.8	188.0	188.5	188.2	188.7	188.9	188.9	188.1
4	Turbidity (NTU)	1.00	5.00	1.85	1.75	1.91	1.95	1.98	1.99	1.97	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.2	0.25	0.35	0.3	0.2	0.4
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	160.79	164.71	164.71	164.71	164.71	164.71	164.71	168.63
8	Total Alkalinity (mg/L)	200.00	600.00	153.18	157.32	157.32	157.32	153.18	153.18	153.18	153.18
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	19.00	20.90	20.90	20.90	20.90	19.00	19.00	19.00
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

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

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

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

GOVERNMENT OF WEST BENGAL
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 02.02.2022

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-93
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.95	7.97	7.98	7.97	7.98	7.96
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	188.1	188.3	188.9	189.1	188.7	188.8	189.4
4	Turbidity (NTU)	1.00	5.00	1.59	1.71	1.97	1.98	1.97	1.98	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.5	0.4	0.15	0.35	0.25	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	168.63	164.71	168.63	164.71	164.71	168.63	164.71
8	Total Alkalinity (mg/L)	200.00	600.00	149.04	153.18	149.04	149.04	153.18	153.18	149.04
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	20.90	20.90	20.90	20.90	20.90	20.90	20.90
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 07.02.2022

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-58	HIDCO ADMIN BUILDING	DF - 94	DC-159	DC-250
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.96	7.98	7.97	7.96	7.94	7.95
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid.	500.00	2000.00	186.6	186.7	186.8	190.6	186.7	186.5	186.6
4	Turbidity, (NTU)	1.00	5.00	1.64	1.76	1.45	1.97	1.33	1.19	1.44
5	Residual Free Chlorine	0.20	1.00	0.35	0.5	0.4	0.1	0.3	0.4	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness, (mg/L)	200.00	600.00	168.62	168.62	168.62	168.62	164.71	164.71	164.71
8	Total Alkalinity, (mg/L)	200.00	600.00	153.18	153.18	153.18	153.18	153.18	153.18	153.18
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	20.90	20.90	20.90	20.90	20.90	20.90	20.90
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
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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: 07.02.2022

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-136	DB-222	DA-88	DC-16
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.98	7.96	7.97	7.98	7.95	7.96
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid.	500.00	2000.00	188.9	187.1	186.7	186.8	187.0	186.6	186.4	186.6
4	Turbidity (NTU)	1.00	5.00	1.89	1.15	1.95	1.97	1.96	1.71	1.81	1.10
5	Residual Free Chlorine	0.20	1.00	0.4	0.35	0.2	0.25	0.1	0.3	0.25	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	164.71	164.71	164.71	168.63	168.63	164.71	164.71	164.71
8	Total Alkalinity. (mg/L)	200.00	600.00	153.18	153.18	153.18	153.18	153.18	153.18	153.18	153.18
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	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90
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.

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

Date of Testing: 10.02.2022

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 /1/A/97	CE -74	CE/183
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.98	7.97	7.98	7.96
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	184.2	184.3	184.5	184.9	184.4	184.8
4	Turbidity (NTU)	1.00	5.00	1.95	1.97	1.98	1.91	1.96	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.6	0.4	0.3	0.35	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	168.63	168.63	168.63	172.55	172.55	168.63
8	Total Alkalinity (mg/L)	200.00	600.00	157.32	157.32	157.32	157.32	157.32	157.32

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
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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)

Date of Testing: 10.02.2022

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/028	NKDA Off.	AL/1/C/40	AI/153/18	AL/18
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.98	7.95	7.97	7.98	7.96	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	184	184.8	185.4	185.2	185.6	185.1	185.7
4	Turbidity, (NTU)	1.00	5.00	1.91	1.93	1.95	1.88	1.89	1.78	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.65	0.4	0.45	0.3	0.5	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	168.63	164.71	168.63	168.63	168.63	164.71	164.71
8	Total Alkalinity, (mg/L)	200.00	600.00	157.32	157.32	157.32	157.32	157.32	157.32	157.32

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.

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

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 15.02.2022

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	7.51	7.34	7.39	7.52
2	Temperature(degree C)	----	----	23.1	23.2	23.2	23.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	191.3	191.2	190.5	190.2
4	Turbidity, (NTU)	1.00	5.00	1.16	1.31	1.59	1.12
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	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	168.40	168.40	168.40	168.40
8	Total Alkalinity, (mg/L)	200.00	600.00	150.96	150.96	150.96	150.96
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	22.46	20.58	22.46	20.58
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.

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

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

Date of Testing: 15.02.2022

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
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.53	7.54	7.56	7.58
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	190.1	190.6	190.0	190.3
4	Turbidity, (NTU)	1.00	5.00	1.31	1.25	1.28	1.29
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	168.40	168.40	168.40	168.40
8	Total Alkalinity, (mg/L)	200.00	600.00	150.96	150.96	150.96	150.96
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	22.46	22.46	22.46	22.46
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: ACTION AREA - I, ZONE – V

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

Date of Testing: 16.02.2022

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-162	CA-117	CB-180
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.59	7.61	7.65	7.68	7.69	7.70	7.71
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	188.1	188.1	188.9	188.1	188.4	188.1	188.6	188.5
4	Turbidity (NTU)	1.00	5.00	1.47	1.44	1.57	1.40	1.97	1.64	1.40	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.55	0.2	0.25	0.45	0.4	0.3	0.35
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	160.57	160.57	164.49	160.57	160.57	160.57	160.57	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	155.04	155.04	159.12	155.04	155.04	155.04	155.04	155.04

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 16.02.2022

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	BF-79	BC-105	BF-58
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.75	7.76	7.79	7.81	7.82	7.82
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	188.2	188.2	188.7	188.2	188.3	188.4	188.9
4	Turbidity (NTU)	1.00	5.00	1.73	1.81	1.90	1.68	1.45	1.51	1.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.4	0.2	0.3	0.4	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	164.49	164.49	164.49	164.49	164.49	160.57	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	155.04	155.04	155.04	155.04	155.04	155.04	159.12

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 & Bacteriological)

Date of Testing: 17.02.2022

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-10	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.71	7.73	7.74	7.75	7.73
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	187.6	188.2	188.3	188.5	188.4
4	Turbidity (NTU)	1.00	5.00	1.77	1.61	1.64	1.52	1.73	1.24
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.35	0.3	0.25	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	168.41	164.49	168.41	168.41	168.41	168.41
8	Total Alkalinity (mg/L)	200.00	600.00	155.04	155.04	155.04	155.04	155.04	155.04
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	20.58	20.58	20.58	20.58	20.58	20.58
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,

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 - II

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

Date of Testing: 17.02.2022

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-109
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.51	7.53	7.57	7.59	7.61	7.63
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	188.0	188.4	189.3	188.4	188.7	188.7	188.4
4	Turbidity (NTU)	1.00	5.00	1.30	1.40	1.62	1.38	1.20	1.25	1.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.45	0.35	0.2	0.4	0.3	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	164.49	168.41	168.41	168.41	168.41	168.41	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	155.04	155.04	155.04	155.04	155.04	155.04	155.04
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	20.58	20.58	20.58	20.58	20.58	20.58	20.58
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: ACTION AREA -I, ZONE - I

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

Date of Testing: 25.02.2022

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 - 55	AC-17
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.92	7.95	7.97	7.98	7.89	7.95
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.0	184.7	184.8	184.8	199.1	200.0	185.3
4	Turbidity (NTU)	1.00	5.00	1.85	1.28	1.16	1.89	1.07	1.54	1.26
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.3	0.25	0.4	0.35	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	164.49	164.49	164.49	164.49	164.49	164.49	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	159.12	159.12	159.12	159.12	159.12	159.12	159.12

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: 25.02.2022

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- 71	AB - 64
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.94	7.97	7.99	7.97	7.98
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.2	185.5	185.4	184.9	185.5	185.2
4	Turbidity (NTU)	1.00	5.00	1.41	1.84	1.20	1.56	1.44	1.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.45	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	164.49	164.49	164.49	164.49	164.49	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	159.12	159.12	159.12	159.12	159.12	159.12

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: 28.02.2022

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.	DC-57	HIDCO ADMIN BUILDING	DF- 94	DC-247	DC-134
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.75	7.81	7.87	7.88	7.88
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid.	500.00	2000.00	187.3	192.0	187.4	187.2	187.2	187.4
4	Turbidity, (NTU)	1.00	5.00	1.98	1.84	1.48	1.97	1.23	1.37
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.1	0.25	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	156.66	160.57	156.66	156.66	156.66	156.66
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	146.88	146.88	146.88	146.88	146.88

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: 28.02.2022

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-24	DA-136	DB-222	DA-53	DC-27
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.76	7.81	7.85	7.86	7.87	7.91	7.92
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid.	500.00	2000.00	186.3	187.0	187.8	187.8	187.5	189.1	188.0	185.8
4	Turbidity. (NTU)	1.00	5.00	1.37	1.95	1.44	1.80	1.09	1.07	1.99	1.81
5	Residual Free Chlorine	0.20	1.00	0.35	0.5	0.35	0.35	0.2	0.4	0.3	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	156.66	156.66	156.66	156.66	156.66	160.57	160.57	156.66
8	Total Alkalinity. (mg/L)	200.00	600.00	146.88	146.88	146.88	146.88	146.88	146.88	146.88	146.88

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
(FEBRUARY' 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 – II C, ZONE – I

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

Date of Testing: 09.02.2022

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	7.60	7.67	7.71	7.81	7.82	7.84	7.82
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	186.7	187.4	187.7	187.6	187.8	187.9	187.6
4	Turbidity (NTU)	1.00	5.00	1.37	1.58	1.32	1.37	1.75	1.78	1.50
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.5	0.35	0.45	0.4	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	164.71	168.63	168.63	164.71	168.63	168.63	168.63
8	Total Alkalinity (mg/L)	200.00	600.00	157.32	157.32	157.32	153.18	157.32	157.32	157.32
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	19.00	19.00	19.00	19.00	19.00	19.00	19.00
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

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 – V

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

Date of Testing: 09.02.2022

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	7.93	7.94	7.93	7.94
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.1	187.5	187.5	187.6
4	Turbidity (NTU)	1.00	5.00	1.66	1.41	1.60	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	168.63	168.63	168.63	168.23
8	Total Alkalinity (mg/L)	200.00	600.00	157.32	157.32	157.32	157.32
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	20.90	20.90	20.90	20.90
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – IID, ZONE – VI

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

Date of Testing: 09.02.2022

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	7.88	7.95	7.96	7.95
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.5	187.3	187.2	186.9
4	Turbidity (NTU)	1.00	5.00	1.64	1.98	1.69	1.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	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	164.71	168.63	168.63	164.72
8	Total Alkalinity (mg/L)	200.00	600.00	157.32	157.32	157.32	157.32
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	20.90	20.90	20.90	20.90
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – IIA, ZONE – X

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

Date of Testing: 11.02.2022

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	7.64	7.71	7.73
2	Temperature (degree C)	----	----	23.0	23.0	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	187.2	187.2
4	Turbidity (NTU)	1.00	5.00	1.81	1.61	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.7	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	168.63	168.63	168.63
8	Total Alkalinity (mg/L)	200.00	600.00	157.32	157.32	157.32

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: 11.02.2022

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	7.61	7.69	7.73	7.68	7.65	7.64	7.67	7.63
2	Temperature (degree C)	----	----	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.2	186.8	186.7	187.1	187.0	187.6	187.1	186.7
4	Turbidity (NTU)	1.00	5.00	1.39	1.71	1.31	1.51	1.75	1.86	1.51	1.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.25	0.2	0.25	0.25	0.3	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	164.71	168.63	164.71	164.71	164.71	168.63	164.71	168.63
8	Total Alkalinity (mg/L)	200.00	600.00	157.32	157.32	153.18	153.18	153.18	157.32	153.18	157.72

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 15.02.2022

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	7.48	7.51	7.53
2	Temperature (degree C)	----	----	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.1	190.1	190.0
4	Turbidity (NTU)	1.00	5.00	1.14	1.97	1.96
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	164.49	164.49	168.41
8	Total Alkalinity (mg/L)	200.00	600.00	150.96	155.04	150.96
9	Chloride (mg/L)	250.00	1000.00	<0.1	<0.1	<0.1
10	Iron(mg/L)	1.0	No Relaxation	22.46	22.46	20.58
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: 22.02.2022

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	7.42	7.47	7.48	7.49	7.45	7.46	7.45
2	Temperature (degree C)	----	----	23.6	23.6	23.6	23.6	23.6	23.6	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.9	188.6	188.8	188.0	188.3	188.3	188.3
4	Turbidity (NTU)	1.00	5.00	1.57	1.81	1.92	1.97	1.98	1.94	1.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.3	0.3	0.35	0.4	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	164.49	160.57	168.41	164.49	164.49	164.49	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	155.04	155.04	155.04	155.04	155.04	155.04	155.04

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: 23.02.2022

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	7.88	7.91	7.93	7.97
2	Temperature (degree C)	----	----	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.8	187.9	188.1	187.4
4	Turbidity (NTU)	1.00	5.00	1.89	1.81	1.41	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	164.49	164.49	164.49	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	155.04	155.04	155.04	155.04

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: 23.02.2022

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	7.93	7.96	7.97	7.97
2	Temperature (degree C)	----	----	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.6	188.4	188.0	187.6
4	Turbidity (NTU)	1.00	5.00	1.48	1.65	1.54	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	164.49	164.49	168.41	168.41
8	Total Alkalinity (mg/L)	200.00	600.00	155.04	155.04	155.04	155.04

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 & Bacteriological)**

Date of Testing: 24.02.2022

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	7.89	7.91	7.90
2	Temperature (degree C)	----	----	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.0	187.9	187.9
4	Turbidity (NTU)	1.00	5.00	1.71	1.15	1.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	168.41	164.49	164.49
8	Total Alkalinity (mg/L)	200.00	600.00	159.12	159.12	159.12
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.46	22.46	22.46
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: 24.02.2022

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	PLOT 1675
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	7.80	7.82	7.83	7.84	7.83	7.84	7.81	7.82	7.84
2	Temperature (degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	188.2	188.1	187.8	188.4	188.6	188.8	189.2	188.6	188.9
4	Turbidity (NTU)	1/1	5/10	1.35	1.88	1.89	1.97	1.99	1.95	1.99	1.10	1.31
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	0.4	0.2	0.25	0.15	0.25	0.3	0.35	0.35
6	Odour	Agreeable/ 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	164.49	164.49	164.49	164.49	164.49	164.49	164.49	164.49	164.49
8	Total Alkalinity (mg/L)	200/200	600/600	163.20	163.20	163.20	163.20	163.20	163.20	163.20	163.20	163.20
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	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.46	22.46	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	Absent/Absent	NF	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	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.