

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

**WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF
NEW TOWN KOLKATA PROJECT, DURING MONTH
MARCH' 2022**

ACTION AREA – I
(MARCH' 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 – V

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

Date of Testing: 02.03.2022

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-51
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.81	7.82	7.91	7.93	7.95	7.97
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	186.4	186.6	186.4	186.3	186.6	186.7	186.4
4	Turbidity (NTU)	1.00	5.00	1.90	1.95	1.91	1.95	1.98	1.97	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.2	0.1	0.15	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	160.64	160.64	160.64	160.64	160.64	160.64	160.64
8	Total Alkalinity (mg/L)	200.00	600.00	158.08	158.08	158.08	158.08	158.08	158.08	158.08
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, N.F-NOT FOUND

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

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

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

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 02.03.2022

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	BC-99	BB-50	BF-58
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.99	7.98	7.99	7.98	7.97	7.98	7.99
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	186.1	186.3	186.4	186.9	186.1	186.3	186.5
4	Turbidity (NTU)	1.00	5.00	1.86	1.97	1.87	1.97	1.98	1.91	1.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.4	0.35	0.2	0.35	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	160.64	160.64	160.64	160.64	160.64	160.64	160.64
8	Total Alkalinity (mg/L)	200.00	600.00	158.08	158.08	158.08	158.08	158.08	158.08	158.08
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	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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 03.03.2022

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 /I/B/107
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.91	7.94	7.94	7.97	7.96
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	186.6	186.7	186.6	186.6	186.9	186.6
4	Turbidity (NTU)	1.00	5.00	1.84	1.96	1.78	1.97	1.89	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.4	0.3	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	152.61	152.61	152.61	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	149.76	149.76	149.76	149.76	149.76	149.76
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.80	22.80	22.80	22.80	22.80	22.80
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

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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: 03.03.2022

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.	AI/68	AI/153/18	AI/153/23
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.78	7.81	7.85	7.91	7.87	7.89	7.88
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	187.4	187.0	187.3	186.9	187.0	187.0	187.0
4	Turbidity, (NTU)	1.00	5.00	1.79	1.83	1.92	1.82	1.88	1.71	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.6	0.3	0.5	0.4	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	152.61	156.62	156.62	152.61	156.62	156.62	156.62
8	Total Alkalinity, (mg/L)	200.00	600.00	149.76	149.76	149.76	149.76	153.92	153.92	153.92
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	22.80	22.80	22.80
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: AA – I, ZONE – X
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 07.03.2022

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	7.64	7.67	7.69	7.68
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	201	202	202	202
4	Turbidity, (NTU)	1.00	5.00	1.77	1.81	1.94	1.74
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	152.61	152.61	152.61	152.61
8	Total Alkalinity, (mg/L)	200.00	600.00	149.76	149.76	149.76	149.76

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 07.03.2022

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	7.69	7.72	7.74	7.75	7.74
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	202	201	201	199.4	199.5
4	Turbidity, (NTU)	1.00	5.00	1.19	1.22	1.12	1.73	1.79
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.4	0.25	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	152.61	152.61	152.61	148.59	148.59
8	Total Alkalinity, (mg/L)	200.00	600.00	149.76	149.76	149.76	149.76	149.76

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: AA – I, ZONE – VII

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

Date of Testing: 08.03.2022

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-134	HIDCO ADMIN BUILDING	DF- 94	DC-142
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.96	7.97	7.98	7.97	7.98
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.6	25.6	25.6
3	Total Dissolved Solid.	500.00	2000.00	197.2	197.5	197.5	197.7	197.5	197.6
4	Turbidity, (NTU)	1.00	5.00	1.16	1.36	1.48	1.36	1.54	1.71
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.3	0.1	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	152.61	152.61	152.61	152.61	152.61	152.61
8	Total Alkalinity, (mg/L)	200.00	600.00	145.60	145.60	145.60	145.60	145.60	145.60

O.H.R. – OVER HEAD RESERVOIR

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 08.03.2022

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	DC-12	DA-95
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.88	7.85	7.86	7.91	7.91	7.92
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.6	25.6	25.6	25.6
3	Total Dissolved Solid.	500.00	2000.00	198.2	199.7	197.3	197.7	197.7	197.4	197.2
4	Turbidity. (NTU)	1.00	5.00	1.07	1.47	1.72	1.57	1.63	1.35	1.41
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.25	0.25	0.1	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness. (mg/L)	200.00	600.00	152.61	152.61	152.61	152.61	152.61	152.61	148.59
8	Total Alkalinity. (mg/L)	200.00	600.00	149.76	145.60	145.60	145.60	145.60	145.60	145.60

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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: 11.03.2022

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-06	CA-67	CB-05
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.89	7.86	7.87	7.91	7.92	7.92	7.98
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.5	197.7	198.4	198.7	198.9	198.9	198.6	198.7
4	Turbidity (NTU)	1.00	5.00	1.21	1.79	1.86	1.89	1.97	1.98	1.95	1.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.5	0.2	0.15	0.35	0.2	0.35	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	152.61	148.59	148.59	152.61	152.61	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	149.76	149.76	149.76	145.60	149.76	145.60	149.76	145.60

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 11.03.2022

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-40	BF-58
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.96	7.92	7.91	7.90	7.90
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.6	25.6	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.8	198.3	198.4	198.3	198.3	198.7	198.4
4	Turbidity (NTU)	1.00	5.00	1.38	1.90	1.96	1.97	1.98	1.95	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2	0.25	0.35	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	152.61	152.61	152.61	152.61	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	149.76	149.76	149.76	149.76	149.76	149.76	149.76

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: 15.03.2022

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	AA - 53	AA-182	AA-44
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.89	7.91	7.92	7.94	7.96	7.95	7.89
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	200	201	200	199.5	200	200	199.3	199.8
4	Turbidity (NTU)	1.00	5.00	1.73	1.69	1.85	1.81	1.79	1.91	1.97	1.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.25	0.2	0.1	0.2	0.1	0.15	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	149.18	153.21	149.18	149.18	149.18	149.18	149.18	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	151.20	151.20	151.20	151.20	151.20	151.20	151.20
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	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07
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: ACTION AREA - I, ZONE – VI
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 17.03.2022

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 /1/B/107	CE -74
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.82	7.83	7.84	7.83	7.84
2	Temperature(degree C)	----	----	26.1	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	203	204	203	204	204
4	Turbidity (NTU)	1.00	5.00	1.89	1.93	1.87	1.78	1.79	1.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.4	0.35	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28	161.28	161.28
8	Total Alkalinity (mg/L)	200.00	600.00	147	147	147	147	142.80	147

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: 17.03.2022

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/18	NKDA Off.	AL/1/C/40	AI/153/18	AI/153/22
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.73	7.77	7.78	7.77	7.83	7.81
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.6	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	204	204	203	203	203	204
4	Turbidity, (NTU)	1.00	5.00	1.79	1.07	1.92	1.75	1.88	1.23	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.5	0.15	0.2	0.3	0.1	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28	161.28	161.28	161.28
8	Total Alkalinity, (mg/L)	200.00	600.00	147	147	147	147	147	147	147

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 – I, ZONE – X

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

Date of Testing: 21.03.2022

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	7.57	7.61	7.63	7.64
2	Temperature(degree C)	----	----	26.7	26.8	26.7	26.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	207	205	205	204
4	Turbidity, (NTU)	1.00	5.00	1.98	1.10	1.94	1.05
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.3	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	157.25	157.25	153.22	157.25
8	Total Alkalinity, (mg/L)	200.00	600.00	159.60	159.60	159.60	159.60
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	26.99	26.99	26.99	26.99
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: 21.03.2022

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	7.67	7.62	7.65	7.67	7.69
2	Temperature(degree C)	----	----	26.8	26.9	26.6	26.7	26.9
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	204	205	204	203	204
4	Turbidity, (NTU)	1.00	5.00	1.97	1.01	2.08	1.85	2.07
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.4	0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	157.25	157.25	157.25	153.22	157.25
8	Total Alkalinity, (mg/L)	200.00	600.00	159.60	159.60	159.60	159.60	159.60
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	26.99	26.99	26.99	26.99	26.99
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 - II

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

Date of Testing: 22.03.2022

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-143	BA-09
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.85	7.88	7.89	7.91	7.92	7.94
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	201	202	201	201	201	202
4	Turbidity (NTU)	1.00	5.00	1.29	1.74	1.95	1.33	1.64	1.49	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.25	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	153.22	153.22	157.25	153.22	153.22	153.22	153.22
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	147	147	147	147	147	147
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	26.99	25.07	25.07	26.99	26.99	26.99	26.99
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 25.03.2022

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	DA-88
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.98	7.97	7.95	7.96
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	201	201	202	204	202	201
4	Turbidity, (NTU)	1.00	5.00	1.01	1.87	1.86	1.43	1.44	2.87
5	Residual Free Chlorine	0.20	1.00	0.15	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	153.22	153.22	153.22	153.22	149.18	149.18
8	Total Alkalinity, (mg/L)	200.00	600.00	151.20	155.40	155.40	155.40	151.20	151.20

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

Date of Testing: 25.03.2022

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	DC-12	DB-222	DA-45
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.85	7.89	7.87	7.91	7.95	7.94
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	202	199.7	201	201	200	201	201
4	Turbidity. (NTU)	1.00	5.00	1.57	1.91	1.71	1.64	1.46	1.24	1.64
5	Residual Free Chlorine	0.20	1.00	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness. (mg/L)	200.00	600.00	149.18	149.18	153.22	153.22	153.22	153.22	153.22
8	Total Alkalinity. (mg/L)	200.00	600.00	151.20	151.20	155.40	155.40	155.40	155.40	155.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 29.03.2022

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	CA - 67	CA-82	CB-08
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.83	7.88	7.89	7.92	7.93
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	200	202	202	202	202	201
4	Turbidity (NTU)	1.00	5.00	1.71	1.68	1.67	1.89	1.91	1.11
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.1	0.1	0.25	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	149.18	153.22	149.18	149.18	149.18	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	147	151.20	147	147	147	147
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	26.99	26.99	25.07	25.07	25.07	25.07
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, N.F-NOT FOUND

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

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

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

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

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 29.03.2022

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	BF-58
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.92	7.94	7.97	7.98	7.97
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	200	201	201	201	202	201
4	Turbidity (NTU)	1.00	5.00	1.80	1.86	1.69	1.88	1.81	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.55	0.4	0.25	0.35	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	153.22	153.22	153.22	149.18	153.22	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	147	147	147	147	147	147
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	26.99	25.07	26.99	26.99	26.99	26.99
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL
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: 30.03.2022

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.	AA - 03	AA- 05	AC - 107	AD - 26
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.91	7.92	7.93	7.96	7.96
2	Temperature(degree C)	----	----	25.8	25.8	25.8	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	201	201	202	202	202
4	Turbidity (NTU)	1.00	5.00	1.95	1.58	1.53	2.63	1.92	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.1	0.15	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	149.18	153.22	149.18	149.18	149.18	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	155.40	151.20	151.20	151.20	151.20

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: ACTION AREA - I, ZONE - II

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

Date of Testing: 30.03.2022

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	AE - 108	AB- 72	AB - 13	AE-14
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.78	7.81	7.70	7.80	7.80	7.93	7.96
2	Temperature(degree C)	----	----	25.8	25.8	25.8	25.8	25.9	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	202	203	202	204	202	202
4	Turbidity (NTU)	1.00	5.00	1.81	1.42	1.22	1.13	1.22	1.91	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.1	0.1	0.15	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	157.25	149.18	149.18	145.15	153.22	149.18	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	155.40	151.20	155.40	151.20	151.20	151.20	151.20

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.

ACTION AREA – II
(MARCH' 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: 07.03.2022

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	7.84	7.81	7.82
2	Temperature (degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	201	199.9	199.6
4	Turbidity (NTU)	1.00	5.00	1.26	1.61	1.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	152.61	148.59	148.59
8	Total Alkalinity (mg/L)	200.00	600.00	149.76	145.60	145.60

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: 09.03.2022

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	7.85	7.87	7.79
2	Temperature (degree C)	----	----	25.6	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.2	198.5	198.8
4	Turbidity (NTU)	1.00	5.00	1.96	1.80	1.35
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	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	149.76	149.76	149.76

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: 09.03.2022

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	7.73	7.81	7.79	7.76	7.78	7.79	7.78	7.77
2	Temperature (degree C)	----	----	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.2	195.9	195.8	198.2	198.3	198.6	198.8	198.7
4	Turbidity (NTU)	1.00	5.00	1.42	1.62	1.51	1.34	1.88	1.98	1.33	1.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.55	0.7	0.5	0.4	0.3	0.5	0.55	0.6
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	148.59	148.59	144.58	148.59	148.59	148.59	148.59	148.59
8	Total Alkalinity (mg/L)	200.00	600.00	145.60	145.60	145.60	145.60	149.76	149.76	149.76	149.76

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – II C, ZONE – I

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

Date of Testing: 16.03.2022

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	7.67	7.66	7.69	7.68	7.70	7.71	7.65
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	204	205	203	203	203
4	Turbidity (NTU)	1.00	5.00	1.93	1.08	1.68	1.86	1.42	1.09	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.25	0.1	0.1	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	153.21	153.21	153.21	153.21	153.21	153.21	153.21
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	151.20	151.20	151.20	151.20	151.20	151.20
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	25.07	25.07	25.07	25.07	25.07	25.07	25.07
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: 16.03.2022

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	7.72	7.74	7.75	7.81
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	203	202
4	Turbidity (NTU)	1.00	5.00	1.84	1.56	1.24	1.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.45	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28
8	Total Alkalinity (mg/L)	200.00	600.00	147	147	147	147
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	26.99	25.07	26.99	25.07
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: 16.03.2022

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	7.70	7.75	7.78	7.63
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	204	204	204
4	Turbidity (NTU)	1.00	5.00	1.84	1.56	1.24	1.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	153.21	153.21	153.21	153.21
8	Total Alkalinity (mg/L)	200.00	600.00	147	151.20	151.20	151.20
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	26.99	25.07	26.99	25.07
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 – IIG, ZONE – XI
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 21.03.2022

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	7.67	7.71	7.77
2	Temperature (degree C)	----	----	26.8	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	203	203	202
4	Turbidity (NTU)	1.00	5.00	1.67	1.27	1.12
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	157.25	157.25	161.28
8	Total Alkalinity (mg/L)	200.00	600.00	159.60	159.60	159.60
9	Chloride (mg/L)	250.00	1000.00	<0.1	<0.1	<0.1
10	Iron(mg/L)	1.0	No Relaxation	26.99	26.99	26.99
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: 24.03.2022

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	7.49	7.61	7.62	7.65	7.61	7.60	7.65
2	Temperature (degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	205	206	205	205	205	205
4	Turbidity (NTU)	1.00	5.00	1.63	1.71	1.86	1.97	1.92	1.95	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	149.18	149.18	145.15	149.18	141.12	145.15	145.15
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	151.20	151.20	151.20	151.20	151.20	147

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: 24.03.2022

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	7.59	7.67	7.70	7.72
2	Temperature (degree C)	----	----	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	204	205	205
4	Turbidity (NTU)	1.00	5.00	1.99	1.26	1.95	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	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	149.18	149.18	149.18	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	151.20	151.20	151.20

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 – IID, ZONE – VI

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

Date of Testing: 24.03.2022

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	7.53	7.68	7.71	7.70
2	Temperature (degree C)	----	----	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	205	204	206	205
4	Turbidity (NTU)	1.00	5.00	1.52	1.13	1.97	1.24
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.3	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	149.18	149.18	149.18	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	155.40	151.20	155.40

O.H.R. – OVER HEAD RESERVOIR

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

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 28.03.2022

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	7.82	7.83
2	Temperature (degree C)	----	----	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	204	204
4	Turbidity (NTU)	1.00	5.00	1.58	1.34	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	149.18	149.18	149.18
8	Total Alkalinity (mg/L)	200.00	600.00	147	147	147
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	25.07	25.07	25.07
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: 28.03.2022

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	7.84	7.86	7.88	7.79	7.75	7.79	7.78	7.80
2	Temperature (degree C)	----	----	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	206	205	204	204	204	204	204	205
4	Turbidity (NTU)	1/1	5/10	2.55	1.39	2.05	1.43	1.28	1.23	2.08	1.08
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.4	0.25	0.1	0.1	0.3	0.3	0.35
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	153.22	149.18	149.18	149.18	149.18	149.18	149.18	153.22
8	Total Alkalinity (mg/L)	200/200	600/600	147	147	147	147	147	147	147	151.20
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
10	Chloride (mg/L)	250/200	1000/1000	26.99	25.07	25.07	25.07	25.07	25.07	25.07	25.07
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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