# 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)

Sl.	Characteristic	Requirement	Permissible Limit			SOUR	CE (PHE SUI	PPLY)		
No		(Acceptable Limit)	in the absence of alternate Source				ZONE - V			
		(IS 10500-2012)	(IS 10500-2012)	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
В. С	hemical Test Results:		<u> </u>		l.					
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 .B	acteriological 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
	U H D - UNED HEAD DECEDIATION A	I E NOT FOUND	•							

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.

**Date of Testing: 02.03.2022** 

## NEW TOWN, RAJARHAT, KOLKATA - 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

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

**Permissible Limit** SOURCE (PHE SUPPLY) Characteristic Requirement (Acceptable Limit) in the absence of (IS 10500-2012) ZONE - IV alternate Source (IS 10500-2012) INLET OF **OUTLET OF** SENIOR BE-17 BC-99 BB-50 BF-58 O.H.R. O.H.R. **CITIZEN PARK** A. Physico-chemical Test Results: 7.99 7.98 7.99 7.98 7.97 7.98 7.99 6.5-8.5 6.5-8.5 Temperature(degree C) 24.6 24.6 24.6 24.6 24.6 24.6 24.6 --------Total Dissolved Solid (mg/L) 186.3 186.4 186.3 186.5 186.1 186.9 186.1 500.00 2000.00 Turbidity (NTU) 1.86 1.97 1.87 1.97 1.98 1.91 1.94 1.00 5.00 Residual Free Chlorine (mg/L) 0.5 0.4 0.35 0.2 0.35 0.2 0.3 1.00 0.20 Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Total Hardness (mg/L) 160 64 160 64 160 64 160 64 160 64

NF

NF

NF

NF

### **B.** Chemical Test Results:

pH Value.

Odour

Total Coliform (CFU/100 ml)

Fecal Coliform (CFU/100 ml)

SI.

No

2

3

4

5

6

11

12

	,	Total Hardness (mg/L)	200.00	600.00	100.04	100.04	100.04	100.04	100.04	100.04	100.04
	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
1	10	Chloride (mg/L)	250.00	1000.00	20.90	20.90	20.90	20.90	20.90	20.90	19.00
C	C.Bac	cteriological Test Results :									

NF

NF

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

Absent

Absent

Absent

Absent

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

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

NF

NF

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

NF

NF

NF

NF

NF

NF

**Date of Testing: 02.03.2022** 

#### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

# OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE - VI

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

Date of Testing: 03.03.2022

Sl.	Characteristic	Requirement	Permissible			SOURCE (I	PHE SUPPLY)	1	
No		(Acceptable Limit)	Limit in the absence			ZON	NE - VI		
		(IS 10500-2012)	of alternate Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE -74	CE /1/B/107
	A. Physico - chemical T	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 Resul	lts:	1		l				ı
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	S:	1	I	ı		1		1
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.

#### 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: <u>AA – I, ZONE – III</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOUR	CE (PHE SUPPL	<b>Y</b> )		
110		Limit)	in the absence of alternate Source				ZONE - III			
		(IS 10500-2012)	(IS 10500-2012)	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-chemi	cal 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.I	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.

**Date of Testing: 03.03.2022** 

#### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

# OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA - I, ZONE - X

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

Date of Testing: 07.03.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (I	PHE SUPPLY)	
110		(IS 10500-2012)	alternate Source		ZO	NE - X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Phy	ysico-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. Ch	emical 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

O.H.R. - OVER HEAD RESERVOIR,

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

#### **TEST REPORT: AA – I, ZONE – IX**

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

**Date of Testing: 07.03.2022** SOURCE (PHE SUPPLY) Sl. Requirement **Permissible Limit** No Characteristic (Acceptable Limit) in the absence of (IS 10500-2012) alternate Source **ZONE - IX** DAWAT (IS 10500-2012) INLET OF O.H.R. OUTLET OF O.H.R. RISHI TOWER VGM BUILDING RESTAURANT A. Physico-chemical Test Results: pH Value. 7.69 7.72 7.74 7.75 7.74 6.5-8.5 6.5-8.5 2 Temperature(degree C) 26.5 26.5 26.5 26.5 26.5 3 Total Dissolved Solid. (mg/L) 202 201 201 199.4 199.5 2000.00 500.00 4 Turbidity, (NTU) 1.19 1.22 1.12 1.73 1.79 1.00 5.00 Residual Free Chlorine(mg/L) 0.2 0.4 0.25 0.35 0.2 0.20 1.00 Odour Agreeable Agreeable Agreeable Agreeable Agreeable 6 Agreeable Agreeable **B.** Chemical Test Results: Total Hardness, (mg/L) 148.59 152.61 152.61 152.61 148.59 200.00 600.00 Total Alkalinity, (mg/L) 8 149.76 149.76 149.76 149.76 149.76 200.00 600.00

O.H.R. - OVER HEAD RESERVOIR,

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

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

# TEST REPORT: AA – I, ZONE – VII

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE	E (PHE SUPPLY)		
110		Limit) (IS 10500-2012)	in the absence of alternate			Z	ONE - VII		
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-134	HIDCO ADMIN BUILDING	DF- 94	DC-142
A. P	Physico-chemical Test Re	sults:				1			
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
В. (	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. Sd/-Assistant Engineer NTKD - I P.H.E. Dte.

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

**Date of Testing: 08.03.2022** 

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

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

Date of Testing: 08.03.2022

Sl.	Characteristic	Requirement	Permissible			SOURCE (I	PHE SUPPLY)			
No		(Acceptable	Limit			ZON	E - VIII			
		Limit) (IS 10500- 2012)	in the absence of alternate Source	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-136	DC-12	DA-95
			(IS 10500-2012)							
A. Phy	vsico-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. Ch	emical Test Results:	1					l			
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

O.H.R. - OVER HEAD RESERVOIR

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

#### 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)

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500- 2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)					(PHE SUPPLY ONE - V	7)		
				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
В. (	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

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.

**Date of Testing: 11.03.2022** 

## TEST REPORT: ACTION AREA -I, ZONE - IV

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

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate				E (PHE SUPP ONE - IV	LY)		
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-40	BF-58
A. P	hysico-chemical Test Results	S <b>:</b>		<u> </u>	<u> </u>			L		L
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
В. (	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.

**Date of Testing: 11.03.2022** 

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 15.03.2022

Sl. No	Characteristic	Requirement	Permissible Limit				SOURCE (P	HE SUPPLY)			
110		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source				ZON	E - I			
		(15 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AA - 53	AA-182	AA-44
A. P	hysico-chemical Test Results:	<b>I</b>			1						
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
В. (	Chemical Test Results:							I		l	
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.B	acteriological Test Results :	1			•		ı	ı	1		ı
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.

### 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.	Characteristic	Requirement	Permissible			SOURCE (PH	E SUPPLY)		
No		(Acceptable	Limit			ZONE	- VI		
		Limit)	in the absence						
		(IS 10500-2012)	of alternate	INLET OF	OUTLET OF	NBCC	CE /1/A/97	CE /1/B/107	CE -74
			Source	O.H.R.	O.H.R.				
			(IS 10500-2012)						
	A. Physico - chemical T	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 Resu	its:							
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.

# GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE RIJH DING. WATER TREATMENT PLANT SITE. NEAR TANK NO.1

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

TEST REPORT: <u>AA – I, ZONE – III</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE	(PHE SUPPLY)			
110		Limit)	in the absence of alternate Source			ZO	ONE - III			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R	A1/18	NKDA Off.	AL/1/C/40	AI/153/18	AI/153/22
	A. Physico-chemic	al Test Results:			I	<u> </u>				1
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.

**Date of Testing: 17.03.2022** 

# GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

# OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I

NEW TOWN, RAJARHAT, KOLKATA – 700 156

#### TEST REPORT: AA - I, ZONE - X

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (F	PHE SUPPLY)	
140		(IS 10500-2012)	alternate Source		ZO	NE - X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Phy	sico-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. Ch	emical 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 .Bac	eteriological 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.

**Date of Testing: 21.03.2022** 

#### GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

# OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I

NEW TOWN, RAJARHAT, KOLKATA – 700 156

### TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 21.03.2022

Sl.		Requirement	Permissible Limit			SOURCE (PHE S	UPPLY)	
No	Characteristic	(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source			ZONE - IX	(	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT	VGM BUILDING
A. P	hysico-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
В. (	Chemical Test Results:			1				
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 .B	acteriological Test Results :	<u> </u>		•				
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.

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: <u>ACTION AREA -I , ZONE - II</u>

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

Date of Testing: 22.03.2022

Sl. No		Requirement (Acceptable	Permissible Limit in the absence of			SOURC	E (PHE SUPPL	<b>Y</b> )		
		Limit)	alternate Source				ZONE - II			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AB-72	AB-143	BA-09
A. Ph	ysico-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
В. С	hemical 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 .Ba	cteriological 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.

TEST REPORT: AA – I, ZONE – VII

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE	(PHE SUPPLY)				
110		Limit) (IS 10500-2012)	in the absence of alternate	ZONE - VII							
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DC-143	DA-88		
<b>A.</b> P	Physico-chemical Test Re	sults:				I	1	I.			
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		
В. (	Chemical Test Results:				•	<u>'</u>					
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.

**Date of Testing: 25.03.2022** 

NEW TOWN. RAJARHAT. KOLKATA - 700 156

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

Sl. Characteristic SOURCE (PHE SUPPLY) Requirement Permissible No (Acceptable Limit ZONE - VIII Limit) in the absence (IS 10500of alternate INLET OF **OUTLET OF** DA-30 DC-23 DC-12 DB-222 DA-45 2012) O.H.R. O.H.R. Source (IS 10500-2012) A. Physico-chemical Test Results: 7.80 7.95 pH Value. 7.85 7.89 7.87 7.91 7.94 6.5-8.5 6.5-8.5 Temperature(degree C) 26.5 26.5 26.5 26.5 2 ----26.5 26.5 26.5 202 199.7 3 **Total Dissolved Solid.** 201 201 200 201 201 500.00 2000.00 1.57 Turbidity. (NTU) 1.91 1.71 1.64 1.24 1.64 4 1.46 1.00 5.00 **Residual Free Chlorine** 0.1 0.1 0.1 0.1 0.1 0.1 0.1 5 0.20 1.00 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable B. Chemical Test Results: Total Hardness. (mg/L) 153.22 153.22 149.18 149.18 153.22 153.22 153.22 200.00 600.00 8 Total Alkalinity. (mg/L) 151.20 151.20 155.40 155.40 155.40 155.40 155.40 200.00 600.00

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.

**Date of Testing: 25.03.2022** 

NEW TOWN, RAJARHAT, KOLKATA – 700 156

# TEST REPORT: ACTION AREA - I, ZONE - V

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PI	HE SUPPLY)				
110		Limit)	alternate Source	ZONE - V							
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CA - 67	CA-82	CB-08		
	A. Physico - chemical Test	Results:	1		1						
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		
В. С	Chemical Test Results:	I	1		1						
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.B	acteriological Test Results :				•	<u>'</u>		•			
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.

**Date of Testing: 29.03.2022** 

# GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE RIIII DING. WATER TREATMENT PLANT SITE. NEAR TANK NO.1

## 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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PHE	SUPPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			ZONE -	IV		
			(10 100 00 2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BF-58
A. Pl	nysico-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
В. С	Chemical Test Results:			<u> </u>	<u> </u>				l
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 .Ba	acteriological 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.

**Date of Testing: 29.03.2022** 

# NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: <u>ACTION AREA -I , ZONE - I</u>

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

Sl. No	Characteristic	Requirement	Permissible Limit in the absence of			SOURCE (PHE S	SUPPLY)					
110		(Acceptable Limit) (IS 10500-2012)	alternate Source	ZONE - I								
		(IS 10500-2012)		INLET OF O.H.R.	OUTLET OF O.H.R.	AA - 03	AA- 05	AC - 107	AD - 26			
A. I	Physico-chemical Test Resul	ts:							•			
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			
В.	Chemical Test Results:	1	1	<u>.</u>		•	1		1			
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.

**Date of Testing: 30.03.2022** 

# ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEA NEW TOWN, RAJARHAT, KOLKATA - 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

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

SI. Characteristic Permissible SOURCE (PHE SUPPLY) Requirement No (Acceptable Limit **ZONE - II** Limit) in the absence (IS 10500of alternate INLET OF OUTLET OF NEWTOWN BUS AE - 108 AB- 72 AB - 13 AE-14 2012) Source O.H.R. O.H.R. **TERMINUS** (IS 10500-2012) A. Physico-chemical Test Results: pH Value. 7.78 7.81 7.70 7.80 7.80 7.93 7.96 6.5-8.5 6.5-8.5 2 **Temperature(degree C)** 25.8 25.8 25.8 25.8 25.9 25.8 25.8 Total Dissolved Solid (mg/L) 3 202 202 202 204 202 202 203 500.00 2000.00 Turbidity (NTU) 4 1.81 1.42 1.22 1.13 1.22 1.91 1.28 5.00 1.00 Residual Free Chlorine (mg/L) 5 0.2 0.3 0.1 0.1 0.15 0.1 0.1 0.20 1.00 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: Total Hardness (mg/L) 153.22 157.25 149.18 149.18 145.15 149.18 149.18 200.00 600.00 Total Alkalinity (mg/L) 8 155.40 151.20 155.40 151.20 151.20 151.20 151.20 200.00 600.00

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.

**Date of Testing: 30.03.2022** 

# ACTION AREA – II (MARCH' 2022)

#### TEST REPORT: <u>AA – IIG, ZONE – XI</u>

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  AA – IIG, ZONE – XI				
		(IS 10500-2012)	alternate Source					
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT		
A. Pl	ysico-chemical Test Results:	1						
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		
В. С	hemical Test Results:	1						
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.

**Date of Testing: 07.03.2022** 

## TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 09.03.2022

Sl. No	Characteristic	Requirement	Requirement Permissible Limit Acceptable Limit) in the absence of		SOURCE (PHE SUPPLY)				
110		(IS 10500-2012)	alternate Source	AA – IIA, ZONE – X					
			(IS 10500-2012)	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			
В. (	Chemical Test Results:	1				1			
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.

TEST REPORT: <u>AA – II B, ZONE – IV</u>

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

**Date of Testing: 09.03.2022** 

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	Source (The Source)								
		(IS 10500-2012)	alternate Source				AA – IIB,	, ZONE - IV				
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA	
A. P	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	
В. (	Chemical Test Results:		l					l		<u>l</u>		
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.

# 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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUR	CE (PHE SUPPL	<b>Y</b> )		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			AA	A – IIC, ZONE - I			
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. P	hysico-chemical Test Result	s:				•				
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
В. (	Chemical Test Results:	1				1				
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. I	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.

**Date of Testing: 16.03.2022** 

# GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING F EXECUTIVE ENGINEER NEW TOWN KOLKATA WATER SURDLY

# 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: <u>AA – II D, ZONE – V</u>

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (PHE	SUPPLY)			
		(IS 10500-2012)	alternate Source (IS 10500-2012)	AA – IID, ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA		
A. Phy	ysico-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. C	hemical Test Results:	1	1				1		
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. Ba	cteriological 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.

**Date of Testing: 16.03.2022** 

# 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 D, ZONE – VI

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  AA – IID, ZONE - VI						
		(IS 10500-2012)	alternate Source							
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION			
A. P	Physico-chemical Test Result	s:								
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			
<b>C.</b> 1	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.

**Date of Testing: 16.03.2022** 

#### GOVERNMENT OF WEST BENGAL DIRECTORATE OF PURI IC HEALTH ENGINEERING

# 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: <u>AA – IIG, ZONE – XI</u>

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

Sl. No	Characteristic	Requirement	Permissible Limit	SOURCE (PHE SUPPLY)					
		(Acceptable Limit)	in the absence of alternate Source		AA – IIG, ZONE - XI				
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT			
A. Physi	co-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. Cher	mical 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. Bact	eriological 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.

Date of Testing: 21.03.2022

#### 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

TEV TOWN, MIJAMINI, MOERATIA 700 13

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)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)								
		(IS 10500-2012)	alternate Source (IS 10500-2012)		AA – IIC, ZONE - I							
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM		
A. F	Physico-chemical Test Results	S:						l				
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		
В.	Chemical Test Results:	,				<u>'</u>	<u>'</u>					
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.

# 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 D, 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 AA – IID, ZO	, 	
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Ph	ysico-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. C	hemical Test Results:	•	1	1	1		1
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.

### 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 D, ZONE – VI

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  AA – IID, ZONE - VI						
10		(IS 10500-2012)	alternate Source							
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION			
<b>A.</b> P	hysico-chemical Test Result	s:								
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/-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.

**Date of Testing: 24.03.2022** 

# GOVERNMENT OF WEST BENGAL DIDECTORATE OF DURI IC HEALTH ENCINEEDING

### 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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)				
		(IS 10500-2012)		AA – IIA, ZONE – X				
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY		
A. P	hysico-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		
В. (	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.B	acteriological 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.

**Date of Testing: 28.03.2022** 

## 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: <u>AA – II B, ZONE – IV</u>

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/	SOURCE (PHE SUPPLY)									
		(IS 10500-2012)/	(CPHEEO)	AA – IIB, ZONE – IV									
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WOODS	ANAHITA	MALANCHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA		
A. I	Physico-chemical Test Resul	ts:											
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		
В.	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 .B	acteriological 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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