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 MAY' 2022

## ACTION AREA – I (MAY' 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

#### 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)

Sl. No	Characteristic	Requirement	Permissible Limit		SC	OURCE (PHE SU	JPPLY)		
110		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source			ZONE - I			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 26	AA- 05	AC - 107	AC - 50
A. I	Physico-chemical Test Resul	ts:							
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.71	7.72	7.72	7.72	7.72
2	Temperature(degree C)			26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.6	179.0	179.4	179.3	179.3	179.0
4	Turbidity (NTU)	1.00	5.00	1.20	1.19	1.21	1.07	1.36	1.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.6	0.35	0.3	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	143.23	143.23	139.36	139.36	139.36	139.36
8	Total Alkalinity (mg/L)	200.00	600.00	131.44	131.44	127.20	127.20	127.20	127.20

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: 06.05.2022** 

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

#### TEST REPORT: AA – I, ZONE – VII

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit				SOU	RCE (PHE SUI	PPLY)			
140		Limit) (IS 10500-2012)	in the absence of alternate					ZONE - VII				
		(15 10500 2012)	Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DF- 94	DC-248	DC-174	DC-175	DC-159
A. P	Physico-chemical Test Re	sults:										
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.55	7.57	7.59	7.60	7.63	7.61	7.63	7.71
2	Temperature(degree C)			26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	175.2	175.2	175.4	177.1	174.9	174.9	175.1	175.0	175.1
4	Turbidity, (NTU)	1.00	5.00	0.97	1.01	1.12	1.81	0.83	0.82	1.21	1.04	1.13
5	Residual Free Chlorine	0.20	1.00	0.35	0.5	0.4	0.1	0.45	0.3	0.3	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:				•					•		
7	Total Hardness, (mg/L)	200.00	600.00	131.62	131.62	131.62	127.75	131.62	131.62	135.49	135.49	135.49
8	Total Alkalinity, (mg/L)	200.00	600.00	131.44	131.44	131.44	131.44	131.44	131.44	131.44	131.44	131.44

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: 10.05.2022** 

# 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 - I. ZONE - VIII</u>
Sub : Water Testing (Physics shemical & Chamic

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

Date of Testing: 11.05.2022

Cately and Limit   Climit	Sl.	Characteristic	Requirement	Permissible				SOUR	CE (PHE SUP	PLY)			
Color   Colo	No		` •						ZONE - VIII				
A. Physico-chemical Test Results:    1								200	T				
A. Physico-chemical Test Results:    1			`				DA-30	DC-23	DA-88	DB-222	DC-10	DC-15	DA-96
A. Physico-chemical Test Results:    1			2012)		O.H.R.	O.H.K.							
1         pH Value.         6.5-8.5         6.5-8.5         7.43         7.57         7.06         7.52         7.52         7.54         7.59         7.61         7.6           2         Temperature(degree C)           25.7         25.4         25.4         25.0         25.3         25.2         25.2         25.2         24.           3         Total Dissolved Solid.         500.00         2000.00         174.2         174.7         181.4         176.0         175.0         174.5         174.3         174.1         174           4         Turbidity. (NTU)         1.00         5.00         1.80         1.04         1.04         1.12         1.24         1.15         0.63         0.93         0.9           5         Residual Free Chlorine         0.20         1.00         0.8         0.45         0.3         0.25         0.3         0.35         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3         0.25         0.3				(IS 10500-2012)									
2 Temperature(degree C) 25.7 25.4 25.4 25.0 25.3 25.2 25.2 25.2 24.  3 Total Dissolved Solid. 500.00 2000.00 174.2 174.7 181.4 176.0 175.0 174.5 174.3 174.1 174.  4 Turbidity. (NTU) 1.00 5.00 1.80 1.04 1.04 1.12 1.24 1.15 0.63 0.93 0.9  5 Residual Free Chlorine 0.20 1.00 0.8 0.45 0.3 0.25 0.3 0.35 0.25 0.3 0.45  6 Odour Agreeable	A. Ph	ysico-chemical Test Results:											
3 Total Dissolved Solid. 500.00 2000.00 174.2 174.7 181.4 176.0 175.0 174.5 174.3 174.1 174 4 Turbidity. (NTU) 1.00 5.00 1.80 1.04 1.04 1.12 1.24 1.15 0.63 0.93 0.9 5 Residual Free Chlorine 0.20 1.00 0.8 0.45 0.3 0.25 0.3 0.35 0.25 0.3 0.3 6 Odour Agreeable 139.36	1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.57	7.06	7.52	7.52	7.54	7.59	7.61	7.62
4 Turbidity. (NTU) 1.00 5.00 1.80 1.04 1.04 1.12 1.24 1.15 0.63 0.93 0.9  5 Residual Free Chlorine 0.20 1.00 0.8 0.45 0.3 0.25 0.3 0.35 0.25 0.3 0.45  6 Odour Agreeable Agreeab	2	Temperature(degree C)			25.7	25.4	25.4	25.0	25.3	25.2	25.2	25.2	24.8
5         Residual Free Chlorine         0.20         1.00         0.8         0.45         0.3         0.25         0.3         0.35         0.25         0.3         0.45         0.45         0.45         0.45         0.45         0.45         0.25         0.3         0.25         0.25         0.3         0.25         0.25         0.3         0.25         0.25         0.25         0.25         0.25         0.25         0.25         0.25         0.25         0.25         0.25         0.25         0.25	3	Total Dissolved Solid.	500.00	2000.00	174.2	174.7	181.4	176.0	175.0	174.5	174.3	174.1	174.2
1.00   1.00	4	Turbidity. (NTU)	1.00	5.00	1.80	1.04	1.04	1.12	1.24	1.15	0.63	0.93	0.97
B. Chemical Test Results:  7	5	Residual Free Chlorine	0.20	1.00	0.8	0.45	0.3	0.25	0.3	0.35	0.25	0.3	0.4
7 Total Hardness. (mg/L) 200.00 600.00 139.36 139.3	6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
9 Total Allialisity (mg/L) 127.20 127.20 127.20 127.20 127.20 127.20 127.20 127.20 127.20	B. Cl	hemical Test Results:											
8 Total Alkalinity. (mg/L) 200.00 600.00 127.20 127.20 131.44 127.20 127.20 127.20 127.20 127.20 127.20 127.20	7	Total Hardness. (mg/L)	200.00	600.00	139.36	139.36	143.23	139.36	139.36	139.36	139.36	139.36	139.36
	8	Total Alkalinity. (mg/L)	200.00	600.00	127.20	127.20	131.44	127.20	127.20	127.20	127.20	127.20	127.20

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 - I, ZONE - X

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

Date of Testing: 13.05.2022

Sl. No	Characteristic	Requirement	Permissible Limit		SOURCE (I	PHE SUPPLY)	
NO		(Acceptable Limit) (IS 10500-2012)	in the absence of 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	7.59	7.68	7.67	7.69
2	Temperature(degree C)			26.7	26.7	26.7	26.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	183.3	183.9	183.9	183.2
4	Turbidity, (NTU)	1.00	5.00	1.45	1.49	1.50	1.12
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.35	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	143.23	143.23	147.11	147.11
8	Total Alkalinity, (mg/L)	200.00	600.00	131.44	127.20	127.20	127.20
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.63	24.52	24.52	24.52
C .Bac	cteriological Test Results :				I	l	
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.

#### 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: 13.05.2022

Sl.		Requirement	Permissible Limit		SOURCE	E (PHE SUPPLY)	
No	Characteristic	(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source		2	ZONE - IX	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT
A. P	hysico-chemical Test Results:	1		1			
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.71	7.63	7.61
2	Temperature(degree C)			26.7	26.7	26.7	26.7
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	183.1	182.8	182.9	183.4
4	Turbidity, (NTU)	1.00	5.00	1.40	1.12	1.14	1.17
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.45	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:			ı			
7	Total Hardness, (mg/L)	200.00	600.00	147.11	143.23	143.23	143.23
8	Total Alkalinity, (mg/L)	200.00	600.00	127.20	127.20	127.20	127.20
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.63	24.52	24.52	24.52
C .B	acteriological Test Results :	1		1			
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.

#### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

TEST REPORT: ACTION AREA - I, ZONE - VI

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

Date of Testing: 20.05.2022

Sl.	Characteristic	Requirement	Permissible		,	SOURCE (PH	E SUPPLY)		
No		(Acceptable Limit)	Limit in the absence			ZONE	- 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/C/204
	A. Physico - chemical T	Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.89	7.90	7.84	7.83	7.87
2	Temperature(degree C)			25.6	25.6	25.8	25.3	25.5	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.3	180.6	181.2	180.6	180.6	179.7
4	Turbidity (NTU)	1.00	5.00	1.14	1.12	0.60	0.69	0.85	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.3	0.25	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:							
7	Total Hardness (mg/L)	200.00	600.00	143.23	143.23	143.23	143.23	143.23	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	123.54	127.80	123.54	127.80	127.80	127.80

O.H.R. - OVER HEAD RESERVOIR,

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

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

# 1GOVERNMENT 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 – I, ZONE – III</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOUR	CE (PHE SUPPL	<b>Y</b> )		
		Limit)	alternate Source				ZONE - III			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R	A/1/C/28	NKDA Off.	AL/1/C/40	AI/153/18	AI/153/3
	A. Physico-chemic	al Test Results :		, , , , , , , , , , , , , , , , , , ,		l				
1	pH Value.	6.5-8.5	6.5-8.5	7.84	7.85	7.88	7.89	7.90	7.90	7.95
2	Temperature(degree C)			26.4	26.5	26.6	26.2	26.2	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.1	181.8	181.5	181.2	180.9	180.4	180.6
4	Turbidity, (NTU)	1.00	5.00	1.34	1.16	1.36	1.26	1.31	1.48	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.25	0.35	0.15	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test l	Results :	•			•	•	•		
7	Total Hardness, (mg/L)	200.00	600.00	147.22	143.23	143.23	143.23	143.23	143.23	143.23
8	Total Alkalinity, (mg/L)	200.00	600.00	127.80	132.06	127.80	127.80	127.80	127.80	127.80

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: 20.05.2022** 

#### 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			SOU	JRCE (PHE SU	JPPLY)		
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	CA-246	CC-22
	A. Physico - chemical Test	Results:	1					l		
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.75	7.79	7.81	7.82	7.84	7.85
2	Temperature(degree C)			26.7	26.7	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.9	183.9	183.5	182.8	182.1	182.1	181.8
4	Turbidity (NTU)	1.00	5.00	0.62	0.97	1.38	0.91	0.99	1.33	1.74
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.25	0.15	0.4	0.35	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	l			l	<u>l</u>		I.		
7	Total Hardness (mg/L)	200.00	600.00	135.28	131.30	135.28	131.30	131.30	135.28	131.30
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	132.06	127.80	127.80	127.80	132.06	127.80
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	24.52	22.63	22.63	22.63	22.63	22.63	20.74
C .B	acteriological Test Results :				•	<u>'</u>		•		
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 NTKD - I P.H.E. Dte.

**Date of Testing: 26.05.2022** 

#### 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: 26.05.2022

Sl. No	Characteristic	Requirement	Permissible Limit			SOURCE (P	PHE SUPPLY)		
NO		(Acceptable Limit)	in the absence of alternate Source			ZON	NE - V		
		(IS 10500-2012)	(IS 10500-2012)	CC-19	CC-18	CC-17	CD-26	CD-25	CD-23
	A. Physico - chemical Test	Results:	1						
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.87	7.86	7.87	7.88	7.84
2	Temperature(degree C)			26.7	26.8	26.8	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.5	181.4	181.6	180.6	180.4	181.3
4	Turbidity (NTU)	1.00	5.00	1.54	1.08	1.53	1.70	1.97	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.35	0.3	0.25	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:	1							
7	Total Hardness (mg/L)	200.00	600.00	131.30	135.28	135.28	135.28	135.28	131.30
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	132.06	132.06	132.06	132.06	127.80
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.63	20.75	22.63	22.63	22.63	20.75
С.В	acteriological 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

N.F-NOT FOUND

Sd/Chemist & Bacteriologist
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 – I, ZONE – VII

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SC	OURCE (PHE SU	PPLY)		
110		Limit)	in the absence				ZONE - VII			
		(IS 10500-2012)	of alternate			T	****		2000	T = 0.10.5
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN	DF- 94	DC-248	DC-105
				Oilliu			BUILDING			
A. P	Physico-chemical Test Re	sults:								
1	pH Value.	6.5-8.5	6.5-8.5	7.78	7.84	7.86	7.73	7.84	7.87	7.91
2	Temperature(degree C)			26.7	26.4	26.7	26.8	26.4	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	180.0	179.5	180.6	181.9	180.8	181.5	180.4
4	Turbidity, (NTU)	1.00	5.00	1.06	0.90	1.02	1.53	1.35	1.25	1.20
5	Residual Free Chlorine	0.20	1.00	0.35	0.45	0.4	0.1	0.3	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	1	1		1	<u>'</u>		<u>'</u>		<u>'</u>
7	Total Hardness, (mg/L)	200.00	600.00	131.30	131.30	135.28	135.28	131.30	135.28	131.30
8	Total Alkalinity, (mg/L)	200.00	600.00	123.54	127.80	127.80	123.54	127.80	127.80	127.80

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: 27.05.2022** 

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

Characteristic SOURCE (PHE SUPPLY) Sl. Requirement Permissible No (Acceptable Limit ZONE - VIII Limit) in the absence (IS 10500of alternate INLET OF **OUTLET OF** DA-30 DC-23 DC-15 DB-222 2012) O.H.R. O.H.R. Source (IS 10500-2012) A. Physico-chemical Test Results: pH Value. 7.73 7.76 7.82 7.79 7.85 7.89 6.5-8.5 6.5-8.5 2 Temperature(degree C) 26.8 26.8 26.8 26.8 26.7 26.7 181.7 181.4 181.5 3 **Total Dissolved Solid.** 181.9 181.6 181.0 500.00 2000.00 Turbidity. (NTU) 1.17 1.46 1.22 1.53 1.02 1.30 4 1.00 5.00 **Residual Free Chlorine** 1.0 0.45 0.25 0.2 0.3 0.35 5 0.20 1.00 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: Total Hardness. (mg/L) 135.28 135.28 135.28 131.30 131.30 127.32 200.00 600.00 8 Total Alkalinity. (mg/L) 123.54 127.80 123.54 123.54 127.80 127.80 200.00 600.00

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: 27.05.2022** 

# GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE RUILDING. 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>ACTION AREA -I, ZONE - II</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SC	OURCE (PHE	SUPPLY)			
		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	AA-35	AE-118	AE-130
A. Pł	nysico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.65	7.69	7.72	7.74	7.73	7.76	7.74
2	Temperature(degree C)			26.5	26.6	26.6	26.7	26.7	26.7	26.5	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.9	177.8	177.8	178.2	177.9	178.4	177.1	176.4
4	Turbidity (NTU)	1.00	5.00	1.60	1.75	0.99	0.91	1.42	1.05	1.40	1.47
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.35	0.2	0.3	0.25	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:		I					L	<u>I</u>	<u> </u>	<u> </u>
7	Total Hardness (mg/L)	200.00	600.00	135.28	139.26	139.26	143.24	139.26	139.26	139.26	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	127.80	123.54	123.54	123.54	123.54
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	22.63	22.63	22.63	22.63	22.63	22.63	22.63
C .Ba	acteriological Test Results :	<u>'</u>	1		•			•	•	•	•
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.

**Date of Testing: 30.05.2022** 

#### 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 - IV

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

Date of Testing: 30.05.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUR	CE (PHE SUPP	LY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)				ZONE - IV			
			,	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BB-109
A. Pl	hysico-chemical Test Results:			1			1	•		•
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.81	7.85	7.86	7.82	7.86	7.84
2	Temperature(degree C)			26.9	26.9	26.9	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.2	176.6	176.7	177.9	183.1	176.1	182.8
4	Turbidity (NTU)	1.00	5.00	1.20	1.39	1.16	1.29	1.21	1.67	1.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.4	0.15	0.3	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:				<u> </u>			<u>I</u>		
7	Total Hardness (mg/L)	200.00	600.00	139.26	143.24	143.24	143.24	139.26	143.24	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	123.54	127.80	127.80	127.80	127.80	127.80	123.54
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	24.52	24.52	24.52	22.63	22.63	22.63	22.63
C .Ba	acteriological 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
				1			1	l .		1

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

### ACTION AREA – II (MAY' 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)

			Sub Water Tes	oring (1 hysico	chemical ( Ch	cimeur et bue	terrorogreur,		Dute of 1	esting. 02.03.202	-
Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/				SOURCE (	PHE SUPPLY	)		
110		(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. P	Physico-chemical Test Resul	ts:					1	I		· · · · ·	
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.51	7.56	7.64	7.46	7.42	7.51	7.46	7.47
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)	500/500	2000/2000	182.1	181.8	181.0	182.2	182.6	181.4	182.4	180.9
4	Turbidity (NTU)	1/1	5/10	1.02	1.19	1.48	1.63	1.40	1.34	1.56	1.62
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.55	0.4	0.35	0.4	0.3	0.45	0.4
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	120.01	123.87	123.87	123.87	123.87	123.87	127.75	123.87
8	Total Alkalinity (mg/L)	200/200	600/600	127.20	127.20	127.20	127.20	127.20	127.20	127.20	127.20
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	24.52	26.40	24.52	24.52	24.52	24.52	24.52	24.52
C.B	acteriological Test Results :						1		1		
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

**Date of Testing: 02.05.2022** 

# 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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source	SOURCE (PHE SUPPLY)  AA – IIG, ZONE – XI				
		(IS 10500-2012)						
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT		
A. Ph	ysico-chemical Test Results:		I.					
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.68	7.67		
2	Temperature (degree C)			26.6	26.6	26.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.9	176.5	176.4		
4	Turbidity (NTU)	1.00	5.00	0.85	1.26	1.33		
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.2	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. С	hemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	135.49	135.49	135.49		
8	Total Alkalinity (mg/L)	200.00	600.00	127.20	127.20	127.20		

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: 10.05.2022** 

#### 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 A, ZONE – X

Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological) **Date of Testing: 13.05.2022** 

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source		SOURCE (PHE SUPPLY)  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:					I.
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.75	7.57
2	Temperature (degree C)			25.8	25.9	27.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.9	183.1	181.8
4	Turbidity (NTU)	1.00	5.00	1.48	1.06	1.29
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.45	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
в. С	Chemical Test Results:		· ·			
7	Total Hardness (mg/L)	200.00	600.00	147.11	143.23	135.49
8	Total Alkalinity (mg/L)	200.00	600.00	127.20	122.96	127.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.52	24.52	22.63
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.

#### 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)

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)				CCE (PHE SUPPL	Y)		
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. P	hysico-chemical Test Results	S <b>:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.78	7.79	7.81	7.83	7.84	7.87
2	Temperature (degree C)			26.7	26.5	26.5	26.6	26.7	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.8	184.2	181.7	180.8	181.2	180.7	180.4
4	Turbidity (NTU)	1.00	5.00	1.47	1.70	1.27	1.04	1.97	1.14	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.5	0.3	0.45	0.4	0.25	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	143.23	147.22	143.23	143.23	143.23	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	127.80	127.80	132.06	127.80

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: 18.05.2022** 

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

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

#### TEST REPORT: AA – II D, ZONE – V

Sub.: Water Testing (Physico-chemical & Chemical ) Date of Testing: 18.05.2022

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. Ph	ysico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.79	7.79	7.80	
2	Temperature (degree C)			26.7	26.8	26.7	26.7	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.0	181.0	180.9	180.7	
4	Turbidity (NTU)	1.00	5.00	1.27	1.74	1.60	1.54	
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. C	hemical Test Results:	•	1	1	1		1	
7	Total Hardness (mg/L)	200.00	600.00	147.22	143.23	143.23	143.23	
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	127.80	

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)	alternate Source	SOURCE (PHE SUPPLY)					
. 10		(IS 10500-2012)		AA – IID, ZONE - VI					
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION		
4. P	hysico-chemical Test Result	s:							
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.72	7.75	7.77		
2	Temperature (degree C)			26.6	26.6	26.7	26.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.0	181.3	181.6	181.1		
4	Turbidity (NTU)	1.00	5.00	1.46	1.49	1.66	1.92		
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.00	0.35	0.2	0.25		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B.	Chemical Test Results:		•		1				
7	Total Hardness (mg/L)	200.00	600.00	143.23	143.23	143.23	143.23		
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	127.80	127.80	127.80		

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: 18.05.2022** 

### 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 – 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. Phys	 							
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.61	7.68		
2	Temperature (degree C)			26.8	26.8	26.9		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.5	183.2	182.4		
4	Turbidity (NTU)	1.00	5.00	0.93	1.54	1.09		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.4	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Chei	mical Test Results:				1			
7	Total Hardness (mg/L)	200.00	600.00	143.23	143.23	143.23		
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	132.06	127.80		
9	Iron(mg/L)	250.00	1000.00	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	1.0	No Relaxation	24.52	24.52	24.52		
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		
					l .			

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: 19.05.2022** 

#### GOVERNMENT OF WEST BENGAL DIRECTORATE OF PURILC 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: AA – II A, ZONE – X

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

Date of Testing: 23.05.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (PHE SUPPLY)			
		(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. P	hysico-chemical Test Results:	•						
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.60	7.62		
2	Temperature (degree C)			25.9	26.1	23.9		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.6	183.1	183.0		
4	Turbidity (NTU)	1.00	5.00	1.08	1.31	1.49		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.4		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. (	Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	139.26	143.23	143.23		
8	Total Alkalinity (mg/L)	200.00	600.00	123.54	123.54	123.54		
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	22.63	24.52	22.63		
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.

#### 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 – III	B, 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	7.50	7.54	7.43	7.37	7.38	7.49	7.43	7.55
2	Temperature (degree C)			26.8	26.8	26.3	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	185	184.4	185.9	185.1	184.2	183.8	184.3	182.6
4	Turbidity (NTU)	1/1	5/10	0.56	1.54	0.51	0.64	0.61	1.48	0.99	1.23
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.5	0.3	0.2	0.25	0.35	0.4	0.4
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	143.23	143.23	143.23	143.23	139.26	135.28	143.23	143.23
8	Total Alkalinity (mg/L)	200/200	600/600	119.28	123.54	123.54	123.54	127.80	123.54	123.54	123.54
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	24.52	26.40	26.40	24.52	24.52	24.52	24.52	24.52
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 II D OVER HEAD DECERVO	1	l		1			l	1	1	

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: 23.05.2022** 

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

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

#### TEST REPORT: AA – II C, ZONE – I

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUR	RCE (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	7.42	7.48	7.51	7.62	7.63	7.65	7.67
2	Temperature (degree C)			26.9	26.9	26.9	26.8	26.8	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	183.7	183.7	184.5	183.3	182.9	183.1
4	Turbidity (NTU)	1.00	5.00	1.47	1.71	1.97	1.87	1.99	1.97	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.5	0.3	0.45	0.25	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	1								
7	Total Hardness (mg/L)	200.00	600.00	139.26	139.26	139.26	143.23	139.26	139.26	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	119.28	127.80	127.80	127.80	132.06	127.80	127.80
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	20.74	20.74	20.74	20.74	20.74	20.74
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: 25.05.2022** 

# 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 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)  AA – IID, ZONE - V					
		(IS 10500-2012)	alternate Source (IS 10500-2012)						
				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	7.67	7.64	7.66	7.65		
2	Temperature (degree C)			26.8	26.7	26.5	26.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.1	183.5	182.7	183.7		
4	Turbidity (NTU)	1.00	5.00	1.45	1.41	1.58	1.05		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.5	0.35	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	139.26	143.23	139.26	143.23		
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	123.54		
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	22.63	22.63	22.63	20.75		
C. Ba	acteriological 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: 25.05.2022** 

## 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)			
110		(IS 10500-2012)	alternate Source	AA – IID, ZONE - VI					
			(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	7.35	7.43	7.49	7.51		
2	Temperature (degree C)			26.6	26.6	26.7	26.7		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	184.4	183.6	183.1		
4	Turbidity (NTU)	1.00	5.00	1.96	1.60	1.44	1.71		
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.00	0.4	0.3	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B.	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	139.26	143.23	139.26	143.23		
8	Total Alkalinity (mg/L)	200.00	600.00	149.10	123.54	123.54	127.80		
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	26.40	22.63	22.63	20.75		
<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: 25.05.2022**