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

## ACTION AREA – I (JULY' 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)

Sl.	Characteristic	Requirement	Permissible			SOURC	E (PHE SUPP	LY)		
No		(Acceptable	Limit			:	ZONE - VI			
		Limit)	in the absence							
		(IS 10500-2012)	of alternate	INLET OF	OUTLET OF	NBCC	CE /1/B/125	CE/1/B/107	CE-197	CE-201
			Source (IS 10500-2012)	O.H.R.	O.H.R.					
	A. Physico - Chemical	Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.92	7.91	7.90	7.90	7.89	7.87
2	Temperature(degree C)			26.7	26.6	26.6	26.4	26.4	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.0	130.7	134.9	132.0	132.7	132.7	132.0
4	Turbidity (NTU)	1.00	5.00	1.81	1.92	1.87	1.86	1.93	1.88	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.1	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resu	its:								
7	Total Hardness (mg/L)	200.00	600.00	119.21	127.16	127.16	127.16	127.16	127.16	131.13
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	89.76	89.76	89.76	89.76	85.68

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: 04.07.2022** 

#### ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK 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			SOURCE (PHE	SUPPLY)		
		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/54
	A. Physico-chemic	al Test Results :		•		1		<u>'</u>	
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.98	7.98	7.97	7.94	7.93
2	Temperature(degree C)			26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.4	134.3	133.9	133.8	133.4	133.6
4	Turbidity, (NTU)	1.00	5.00	1.93	1.71	1.94	1.83	1.91	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.4	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test l	Results:	•			•	•	•	•
7	Total Hardness, (mg/L)	200.00	600.00	127.16	131.13	127.16	127.16	127.16	131.13
8	Total Alkalinity, (mg/L)	200.00	600.00	89.76	89.76	89.76	93.84	93.84	96.60

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: 04.07.2022** 

#### TEST REPORT: <u>AA - I, ZONE - VII</u>

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

Date of Testing: 05.07.2022

Sl. No	Characteristic	Requirement	Permissible Limit in the absence of			SOURCE (PH	E SUPPLY)		
No		(Acceptable Limit) (IS 10500-2012)	alternate Source (IS 10500-2012)			ZONE	- VII		
				INLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DF - 94	DC-248	DC-115
A. Pl	nysico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.98	7.89	7.94	7.97	7.98
2	Temperature(degree C)			26.7	26.8	26.8	26.7	26.8	26.8
3	Total Dissolved Solid.	500.00	2000.00	129.8	131.0	132.7	131.1	130.9	130.3
4	Turbidity, (NTU)	1.00	5.00	1.77	1.81	1.94	1.82	1.89	1.61
5	Residual Free Chlorine	0.20	1.00	0.3	0.3	0.1	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:			1	•				
7	Total Hardness, (mg/L)	200.00	600.00	107.28	127.16	127.16	127.16	131.13	127.16
8	Total Alkalinity, (mg/L)	200.00	600.00	85.68	89.76	89.76	89.76	89.76	89.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	16.97	16.97	16.97	16.97	16.97	16.97
C .Ba	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
	real comorm (cr 6/100 ml)	7105cmq/105cmt	1 105cm / 105cm	141.	141.	141,	111	141,	INE

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: <u>AA – I. ZONE – VIII</u>

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

Sl.	Characteristic	Requirement	Permissible			SOURCE (P	HE SUPPLY)		
No		(Acceptable	Limit			ZONE	- VIII		
		Limit) (IS 10500-	in the absence	INI EE OE	OTAL ELE OF	D.1.20	DC 22	D 4 99	DD 222
		2012)	of alternate	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222
		2012)	Source (IS 10500-2012)	O.II.K.	O.11.K.				
A. Ph	ysico-chemical Test Results:	<u>l</u>	(15 10500 2012)						
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.89	7.91	7.94	7.97	7.97
2	Temperature(degree C)			26.7	26.7	26.7	26.7	26.7	26.7
3	Total Dissolved Solid.	500.00	2000.00	131.3	131.9	131.4	130.8	130.7	130.8
4	Turbidity (NTU)	1.00	5.00	1.97	1.86	1.77	1.89	1.80	1.90
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.1	0.2	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:								
7	Total Hardness. (mg/L)	200.00	600.00	123.18	111.26	127.16	127.16	127.16	127.16
8	Total Alkalinity. (mg/L)	200.00	600.00	85.68	81.60	89.76	89.76	89.76	89.76
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	16.97	15.09	16.97	16.97	16.97	16.97
C .Ba	cteriological 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: 05.07.2022** 

### 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: 06.07.2022

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	7.74	7.71	7.78	7.80
2	Temperature(degree C)			25.8	26.0	25.9	25.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	135.5	136.0	137.4	137.0
4	Turbidity, (NTU)	1.00	5.00	1.84	1.92	1.72	1.71
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:				,		
7	Total Hardness, (mg/L)	200.00	600.00	123.18	115.23	115.23	119.21
8	Total Alkalinity, (mg/L)	200.00	600.00	85.68	85.68	89.76	89.76

O.H.R. - OVER HEAD RESERVOIR,

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

#### DIRECTO RATE OF PUBLIC HEALTH ENGINEERING

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

NEW TOWN, RAJARHAT, KOLKATA - 700 156

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 06.07.2022

Sl. No	Chanasta ristia	Requirement	Permissible Limit		so	URCE (PHE SUPP	LY)	
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.	DAWAT RESTAURANT	RISHI TO WER	SASTA SUNDAR INNO VATION TO WER
A. I	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.78	7.80	7.78	7.79
2	Temperature(degree C)			25.4	25.4	25.3	25.4	25.0
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	135.1	134.6	135.2	135.3	134.8
4	Turbidity, (NTU)	1.00	5.00	2.49	2.46	2.05	2.70	2.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:			•				
7	Total Hardness, (mg/L)	200.00	600.00	123.18	127.16	131.13	131.13	127.16
8	Total Alkalinity, (mg/L)	200.00	600.00	85.68	85.68	89.76	89.76	89.76

O.H.R. - OVER HEAD RESERVOIR

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

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 07.07.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOUR	CE (PHE SUPI	PLY)		
1,0		Limit) (IS 10500-2012)	alternate Source				ZONE - I			
		(15 10300-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC - 50	AA-136
A. P	hysico-chemical Test Results:		<u> </u>							
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.79	7.91	7.89	7.91	7.91	7.91
2	Temperature (degree C)			25.8	25.8	26.3	26.4	26.2	25.8	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.5	130.8	130.9	131.3	130.4	130.7	130.3
4	Turbidity (NTU)	1.00	5.00	1.57	1.94	1.69	1.99	1.80	1.87	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:							l		l
7	Total Hardness (mg/L)	200.00	600.00	119.21	123.18	123.18	123.18	119.21	115.23	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	81.60	85.68	85.68	85.68	81.60	81.60	81.60
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	15.09	15.09	15.09	15.09
C.B	acteriological Test Results :	1	1		1		I	ı		I
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.

## GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I

## FFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION 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)

**Date of Testing: 07.07.2022** 

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of									
		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-13	AE-52	AE-65	
A. Ph	nysico-chemical Test Results:		ll					1				
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.87	7.86	7.87	7.87	7.90	7.90	7.92	
2	Temperature(degree C)			26.1	26.1	26.0	26.2	26.0	26.0	26.0	25.8	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.5	131.0	131.4	131.8	131.6	131.6	131.4	130.7	
4	Turbidity (NTU)	1.00	5.00	1.92	1.78	1.87	1.94	1.81	1.31	1.55	1.51	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.2	0.4	0.3	0.4	0.3	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В. С	Chemical Test Results:		L					<u> </u>				
7	Total Hardness (mg/L)	200.00	600.00	115.23	119.21	123.18	123.18	123.18	123.18	123.18	119.21	
8	Total Alkalinity (mg/L)	200.00	600.00	81.60	85.68	81.60	85.68	85.68	85.68	85.68	85.68	
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	15.09	16.97	16.97	16.97	16.97	16.97	16.97	16.97	
C .Ba	cteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	

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

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

#### TEST REPORT: <u>ACTION AREA -I</u>

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

Date of Testing: 12.07.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURC	CE (PHE SUPPLY)	
		Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Ph	ysico-chemical Test Results:				I		
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.57	7.57	7.59
2	Temperature(degree C)			25.6	25.6	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	126.9	129.1	130.1	129.6
4	Turbidity (NTU)	1.00	5.00	1.53	1.21	1.89	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:				•		
7	Total Hardness (mg/L)	200.00	600.00	111.26	111.26	115.23	111.26
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	89.76	89.76	85.68

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 – VII

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

Date of Testing: 12.07.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURCE (PE		
		Limit) (IS 10500-2012)	in the absence of alternate		ZONE	- VII	
			Source (IS 10500-2012)	INLET OF O.H.R.	DC-57	DE-118	DC-248
A. P	hysico-chemical Test Re	sults:					
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.82	7.88	7.89
2	Temperature(degree C)			25.5	25.5	25.5	25.5
3	Total Dissolved Solid.	500.00	2000.00	124.4	127.9	125.8	127.8
4	Turbidity, (NTU)	1.00	5.00	1.63	1.73	1.27	1.88
5	Residual Free Chlorine	0.20	1.00	0.3	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	1	1	1			
7	Total Hardness, (mg/L)	200.00	600.00	119.21	111.26	115.23	111.26
8	Total Alkalinity, (mg/L)	200.00	600.00	89.76	85.68	85.68	89.76

O.H.R. - OVER HEAD RESERVOIR

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

#### 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)

Sl.	Characteristic	Requirement	Permissible			SOURCE (PHE	E SUPPLY)		
No		(Acceptable Limit)	Limit in the absence			ZONE -	VIII		
		(IS 10500- 2012)	of alternate Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222
A. Ph	ysico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.77	7.73	7.73	7.74	7.71
2	Temperature(degree C)			25.5	25.3	25.4	25.4	25.5	25.3
3	Total Dissolved Solid.	500.00	2000.00	123.5	125.7	126.1	126.1	126.0	125.8
4	Turbidity. (NTU)	1.00	5.00	1.97	1.49	1.83	1.62	1.71	1.75
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. C	nemical Test Results:	•				•			
7	Total Hardness. (mg/L)	200.00	600.00	111.26	115.23	115.23	115.23	111.26	111.26
8	Total Alkalinity. (mg/L)	200.00	600.00	85.68	89.76	89.76	89.76	85.68	85.68

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: 12.07.2022** 

## 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 - I

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

Sl. No	Characteristic	Requirement	Permissible Limit		SC	OURCE (PHE S	UPPLY)		
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 - 17	AA- 05	AC - 107	AC - 50
<b>A.</b> l	Physico-chemical Test Result	ts:					<u> </u>		<u> </u>
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.72	7.74	7.75	7.76	7.75
2	Temperature(degree C)			26.3	26.4	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.6	125.0	125.2	125.1	125.2	125.1
4	Turbidity (NTU)	1.00	5.00	1.09	1.46	1.37	1.27	1.23	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.4	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	111.26	107.28	111.26	107.28	107.28	87.41
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	93.84	85.68	89.76	85.68

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: 13.07.2022** 

#### 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 - II

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE (PHE S	UPPLY)		
		Limit)	in the absence			ZONE - I	I		
		(IS 10500- 2012)	of alternate Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AE-80	BA - 120	AB- 72	AB - 13
A. Pl	nysico-chemical Test Results:				•				
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.75	7.81	7.82	7.80	7.79
2	Temperature(degree C)			26.4	26.5	26.5	26.4	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	142.8	126.7	126.7	127.8	125.8	126.0
4	Turbidity (NTU)	1.00	5.00	1.98	2.35	2.23	2.29	2.15	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:		1				I	<u> </u>	
7	Total Hardness (mg/L)	200.00	600.00	131.13	111.26	107.29	111.26	111.26	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	85.68	89.76	89.76	89.76	89.76

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: 13.07.2022** 

### 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			SOURCE (PH	IE SUPPLY)		
No		(Acceptable Limit)	in the absence of alternate Source			ZONE	C - V		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CA-56	CA-81	CB-08
	A. Physico - chemical Test	Results:		0.11.K.	0.11.R.				
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.62	7.71	7.75	7.72	7.75
2	Temperature(degree C)			26.8	26.8	26.7	26.8	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.9	125.6	126.1	125.8	126.3	127.8
4	Turbidity (NTU)	1.00	5.00	1.37	1.27	1.39	1.99	1.27	1.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.3	0.3
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	111.26	111.26	115.23	111.26	115.23	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	89.76	89.76	89.76	89.76	85.68
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	15.08	15.08	15.08	15.08	16.97	16.97
С.В	acteriological Test Results :	1			1	<u> </u>		1	1
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: 14.07.2022** 

### 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)

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	BF-79
A. Pl	hysico-chemical Test Results:			1			1	•		•
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.82	7.74	7.79	7.92	7.80	7.76
2	Temperature(degree C)			26.8	26.8	26.8	26.8	26.8	26.9	27.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.0	126.2	127.2	126.2	125.2	124.7	125.5
4	Turbidity (NTU)	1.00	5.00	1.15	1.83	1.83	1.93	1.98	1.75	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.3	0.1	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	119.21	119.21	123.18	123.18	123.18	119.21	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	89.76	89.76	89.76	85.68	89.76
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	15.08	16.97	16.97	16.97	16.97	16.97	16.97
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
				ı			ı	l	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: 14.07.2022** 

#### 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)

Date of Testing: 15.07.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence								
		(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/1/C/47	CE-197		
	A. Physico - Chemical	Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.67	7.68	7.74	7.75	7.73		
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	122.1	122.4	123.2	122.0	122.4	125.0		
4	Turbidity (NTU)	1.00	5.00	1.24	1.83	1.93	1.89	1.66	1.99		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.4	0.3	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	120.48	120.48	120.48	116.46	116.46	112.45		
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	94.16	94.16	89.88	89.88	89.88		

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			SOURC	CE (PHE SUPPL	<b>Y</b> )		
		Limit)	alternate Source			7	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-16
	A. Physico-chemical Test Re	esults :	•							
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.72	7.68	7.68	7.67	7.66	7.67
2	Temperature(degree C)			26.5	26.5	26.7	26.2	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.9	125.8	125.8	117.8	118.6	120.2	118.5
4	Turbidity, (NTU)	1.00	5.00	1.31	1.73	1.90	1.82	1.92	1.80	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
-	B. Chemical Test Results	•	•							
7	Total Hardness, (mg/L)	200.00	600.00	108.43	120.48	108.43	108.43	108.43	112.45	108.43
8	Total Alkalinity, (mg/L)	200.00	600.00	89.88	85.60	85.60	85.60	85.60	85.60	85.60

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: 15.07.2022** 

#### NEW TOWN, RAJARHAT, KOLKATA – 700 156

#### TEST REPORT: <u>ACTION AREA –I</u>

Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological Date of Testing: 20.07.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURC	E (PHE SUPPLY)	
		Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
. Ph	nysico-chemical Test Results:		1				
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.36	7.35	7.32
2	Temperature(degree C)			26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.0	128.0	128.6	127.4
4	Turbidity (NTU)	1.00	5.00	1.40	1.29	1.38	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B.</b> Cl	hemical Test Results:	I	1			1	
7	Total Hardness (mg/L)	200.00	600.00	124.49	120.48	124.49	124.49
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	94.16	94.16	94.16
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	20.74	22.63	20.74
С.В	acteriological Test Results :					<u> </u>	
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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 - II

			Sub.	: Water Testing (	Physico-chemical	& Chemical)		Ι	Date of Testing:	21.07.2022	
Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOU	RCE (PHE S	UPPLY)			
		Limit)	in the absence				ZONE - II	[			
		(IS 10500- 2012)	of alternate Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AB - 13	AE-60	AE-79
A. Pł	nysico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.56	7.57	7.62	7.63	7.64	7.64	7.64
2	Temperature(degree C)			26.9	26.9	26.9	26.7	26.8	26.5	26.6	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.6	126.1	126.1	126.1	125.3	125.6	125.6	125.5
4	Turbidity (NTU)	1.00	5.00	1.97	1.92	1.93	1.95	1.98	1.85	1.91	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.4	0.3	0.4	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:				1	<u> </u>	1	<u>'</u>		1	
7	Total Hardness (mg/L)	200.00	600.00	112.45	116.46	116.46	112.45	116.46	112.45	112.45	112.45
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	94.16	94.16	94.16	89.88	94.16	94.16	94.16

O.H.R. - OVER HEAD RESERVOIR

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

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

#### 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 (Acceptable Limit)	Permissible Limit in the absence of			SOUI	RCE (PHE SUP	PLY)				
		(IS 10500-2012)	alternate Source	ZONE - I								
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AC-37		
A. I	Physico-chemical Test Resul	ts:										
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.74	7.76	7.71	7.74	7.72	7.75		
2	Temperature(degree C)			25.2	25.2	25.2	25.2	25.2	25.2	25.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.1	125.6	125.7	127.0	127.0	125.0	126.2		
4	Turbidity (NTU)	1.00	5.00	1.78	1.95	1.79	1.80	1.88	1.74	1.81		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.3	0.2	0.3		
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	112.45	104.42	100.40	104.42	108.43	104.42	104.42		
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	94.16	94.16	94.16	94.16	94.16	94.16		

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: 22.07.2022** 

#### 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 & Bacteriological)

Date of Testing: 25.07.2022

Sl.	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	sico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.49	7.50	7.51
2	Temperature(degree C)			25.2	25.2	25.2	25.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	130.8	129.6	130.4	130.2
4	Turbidity, (NTU)	1.00	5.00	2.51	2.65	2.06	2.79
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:		•			•	
7	Total Hardness, (mg/L)	200.00	600.00	120.48	112.45	120.48	120.48
8	Total Alkalinity, (mg/L)	200.00	600.00	94.16	89.88	94.16	94.16
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	13.20	11.32	13.20	13.20
C .Bac	teriological Test Results :		I		<u> </u>	ı	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.

### 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: 25.07.2022

Sl.	CI	Requirement	Permissible Limit		Se	OURCE (PHE SUI	PPLY)	
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.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
A. P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.47	7.42	7.40	7.39
2	Temperature(degree C)			25.2	25.2	25.2	25.1	25.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	129.7	128.9	129.9	129.5	129.3
4	Turbidity, (NTU)	1.00	5.00	2.83	2.87	2.61	2.34	2.65
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:			1				1
7	Total Hardness, (mg/L)	200.00	600.00	120.48	120.48	116.46	120.48	120.48
8	Total Alkalinity, (mg/L)	200.00	600.00	89.88	89.88	94.16	94.16	94.16
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	13.20	13.20	13.20	15.09	15.09
С.В	acteriological Test Results :			1	ı	<u> </u>		1
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.

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of				S	SOURCE (PHE	SUPPLY)				
		Limit) (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	BF-58	BF-40	BC-141	BC-144
A. P	nysico-chemical Test Results:		•										
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.68	7.67	7.70	7.68	7.71	7.72	7.70	7.71	7.73
2	Temperature(degree C)			26.9	26.9	26.8	26.8	26.8	26.6	26.7	26.8	26.8	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.0	125.4	125.9	126.0	125.5	125.4	125.8	125.9	125.6	125.4
4	Turbidity (NTU)	1.00	5.00	1.14	1.26	1.19	1.22	1.17	1.25	1.32	1.20	1.57	1.13
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:		I										
7	Total Hardness (mg/L)	200.00	600.00	124.50	120.48	120.48	120.48	124.50	124.50	124.50	124.50	124.50	120.48
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	94.16	94.16	94.16	89.88	89.88	89.88	89.88	89.88	94.16

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: 29.07.2022** 

## ACTION AREA – II (JULY' 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)	
		(IS 10500-2012)	alternate Source		AA – IIG, ZONE – XI	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Ph	ysico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.75	7.78
2	Temperature (degree C)			25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.8	134.2	134.4
4	Turbidity (NTU)	1.00	5.00	1.33	1.81	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:	1				
7	Total Hardness (mg/L)	200.00	600.00	119.21	119.21	123.18
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	81.60	81.60

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: 06.07.2022** 

#### TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 08.07.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  AA – IIA, ZONE – X				
110		(IS 10500-2012)	alternate Source					
			(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	7.77	7.80	7.74		
2	Temperature (degree C)			26.5	26.5	26.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.5	132.9	132.6		
4	Turbidity (NTU)	1.00	5.00	1.17	1.52	1.53		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. (	Chemical Test Results:	1						
7	Total Hardness (mg/L)	200.00	600.00	123.18	123.18	127.16		
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	89.76		

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: <u>AA – II B, ZONE – IV</u>

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

**Date of Testing: 08.07.2022** 

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (P	HE SUPPLY)				
		(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	A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.70	7.67	7.66	7.66	7.70	7.72	7.75	
2	Temperature (degree C)			26.6	26.8	26.8	26.6	26.4	26.4	26.7	26.5	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.1	133.3	131.9	131.6	131.6	133.8	120.8	133.3	
4	Turbidity (NTU)	1.00	5.00	1.93	2.56	1.96	1.97	1.82	2.77	2.08	2.13	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.1	0.1	0.2	0.2	0.2	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В. (	Chemical Test Results:			1		1		l	•			
7	Total Hardness (mg/L)	200.00	600.00	119.21	123.18	119.21	119.21	119.21	123.18	119.21	123.18	
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	89.76	85.68	85.68	89.76	89.76	89.76	89.76	

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 C, ZONE – I

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  f								
		(IS 10500-2012)	alternate Source (IS 10500-2012)	AA – IIC, ZONE - I								
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM		
A. P	hysico-chemical Test Results	<b>5:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.48	7.51	7.52	7.53	7.54	7.62		
2	Temperature (degree C)			25.8	25.6	25.6	25.6	25.6	25.6	25.7		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	126.6	126.8	128.7	126.2	128.2	128.1	126.7		
4	Turbidity (NTU)	1.00	5.00	1.81	2.27	1.60	2.40	2.04	1.86	2.61		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.4	0.3	0.2	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	112.45	116.46	112.45	108.43	112.45	112.45	108.43		
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	85.60	89.88	85.60	89.88	89.88	85.60		

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: 19.07.2022** 

### 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: <u>AA – II D, ZONE – V</u>

Sub.: Water Testing (Physico-chemical & Chemical ) Date of Testing: 19.07.2022

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					
		(15 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	7.35	7.44	7.51	7.53		
2	Temperature (degree C)			25.7	25.8	26.1	25.9		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.8	126.3	126.2	126.0		
4	Turbidity (NTU)	1.00	5.00	2.34	2.32	2.86	2.88		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2	0.3		
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	112.45	108.43	112.45	108.43		
8	Total Alkalinity (mg/L)	200.00	600.00	85.60	85.60	89.88	85.60		

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: AA – II D, ZONE – VI

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

Sl. No		Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source	SOURCE (PHE SUPPLY)  AA – IID, ZONE - VI						
110		(IS 10500-2012)								
			(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	7.03	7.16	7.18	7.20			
2	Temperature (degree C)			25.7	25.7	25.7	25.7			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.1	126.3	126.4	126.2			
4	Turbidity (NTU)	1.00	5.00	2.52	2.23	2.83	2.30			
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B.	Chemical Test Results:	1		,	1		1			
7	Total Hardness (mg/L)	200.00	600.00	112.45	120.48	116.46	112.45			
8	Total Alkalinity (mg/L)	200.00	600.00	85.60	89.88	85.60	89.88			

O.H.R. - OVER HEAD RESERVOIR

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

**Date of Testing: 19.07.2022** 

### 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: <u>AA – II A, ZONE – X</u>

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

Date of Testing: 20.07.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  AA – IIA, ZONE – X				
		(IS 10500-2012)	alternate Source					
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER		
A. P	hysico-chemical Test Results:		1					
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.56	7.49		
2	Temperature (degree C)			25.7	25.8	26.1		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.7	126.8	126.6		
4	Turbidity (NTU)	1.00	5.00	1.20	1.83	1.46		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. (	Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	128.52	124.50	124.50		
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	94.16	94.16		
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	20.74	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 – IIG, ZONE – XI</u>

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

Characteristic	Requirement	Permissible Limit	SOURCE (PHE SUPPLY)					
	Limit)	alternate Source		AA – IIG, ZONE - XI				
	(18 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT			
co-chemical Test Results:								
pH Value.	6.5-8.5	6.5-8.5	7.18	7.19	7.21			
Temperature (degree C)			25.1	25.1	25.1			
Total Dissolved Solid (mg/L)	500.00	2000.00	131.9	126.9	128.2			
Turbidity (NTU)	1.00	5.00	2.00	2.48	2.74			
Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.4			
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
nical Test Results:				1				
Total Hardness (mg/L)	200.00	600.00	116.46	112.45	112.45			
Total Alkalinity (mg/L)	200.00	600.00	89.88	89.88	89.88			
Iron(mg/L)	250.00	1000.00	<0.1	<0.1	<0.1			
Chloride (mg/L)	1.0	No Relaxation	15.09	13.20	13.20			
eriological Test Results:				,				
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF			
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF			
	co-chemical Test Results:  pH Value.  Temperature (degree C)  Total Dissolved Solid (mg/L)  Turbidity (NTU)  Residual Free Chlorine (mg/L)  Odour  nical Test Results:  Total Hardness (mg/L)  Total Alkalinity (mg/L)  Iron(mg/L)  Chloride (mg/L)  eriological Test Results:  Total Coliform (CFU/100 ml)	(Acceptable Limit) (IS 10500-2012)  co-chemical Test Results:  pH Value. 6.5-8.5  Temperature (degree C)  Total Dissolved Solid (mg/L) 500.00  Turbidity (NTU) 1.00  Residual Free Chlorine (mg/L) Odour Agreeable mical Test Results:  Total Hardness (mg/L) 200.00  Total Alkalinity (mg/L) 200.00  Chloride (mg/L) 250.00  Chloride (mg/L) 250.00  eriological Test Results:  Total Coliform (CFU/100 ml) Absent	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) ————————————————————————————————————	CACceptable Limit) (IS 10500-2012)   in the absence alternate Source (IS 10500-2012)   INLET OF O.H.R.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			

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: 25.07.2022** 

#### 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	(Acceptable Limit) in t		ermissible Limit a the absence of								
		(IS 10500-2012)	alternate Source (IS 10500-2012)	AA – 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	7.31	7.36	7.42	7.43	7.45	7.46	7.51		
2	Temperature (degree C)			25.3	25.3	25.2	25.2	25.2	25.2	25.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.6	128.9	128.2	128.5	128.0	128.4	128.2		
4	Turbidity (NTU)	1.00	5.00	2.90	2.60	2.94	2.17	2.21	2.85	2.16		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.2	0.4	0.3	0.2	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	116.46	112.45	112.45	120.48	112.45	116.46	116.46		
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	89.88	89.88	94.16	89.88	89.88	89.88		
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	13.20	13.20	13.20	15.09	13.20	13.20	13.20		
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: 28.07.2022** 

## GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I

## OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION 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) (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. Phy	ysico-Chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.63	7.63	7.64		
2	Temperature (degree C)			25.2	25.2	25.2	25.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.0	128.8	129.0	128.7		
4	Turbidity (NTU)	1.00	5.00	2.79	2.21	2.86	2.85		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2		
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	116.46	112.45	108.43	112.45		
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	85.60	89.88	94.16		
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	13.20	13.20	13.20	15.09		
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: 28.07.2022** 

## 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 – III	D, 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	7.55	7.50	7.57	7.62			
2	Temperature (degree C)			25.2	25.2	25.2	25.2			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.9	128.1	128.0	127.9			
4	Turbidity (NTU)	1.00	5.00	2.86	2.02	2.12	2.39			
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
В.	<b>Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	120.48	112.45	116.46	112.45			
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	89.88	89.88	85.60			
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	15.09	13.20	13.20	13.20			
C. 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: 28.07.2022**