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 JUNE' 2023

## ACTION AREA – I (JUNE' 2023)

## 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, O.H.R - I

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

**Date of Testing: 01.06.2023** 

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PH	IE SUPPLY)		
		Limit) (IS 10500-2012)	alternate Source			О.Н.І	R - I		
		(13 10300-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC-50
A. P	hysico-chemical Test Results:	<u> </u>					I		
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.45	7.41	7.42	7.45	7.40
2	Temperature (degree C)			26.5	26.4	26.4	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.2	191.3	191.4	191.3	191.3	191.1
4	Turbidity (NTU)	1.00	5.00	1.66	1.44	1.64	1.57	1.39	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2	0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	137.63	133.58	133.58	129.54	129.54	129.54
8	Total Alkalinity (mg/L)	200.00	600.00	122.08	130.80	130.80	130.80	130.80	126.44
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	28.71	28.71	28.71	28.71	28.71	28.71
C.B	acteriological Test Results :				1		1		
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
	O II D OVED HEAD DECEDIO				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.

## 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, O.H.R - IV

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

Sl. No	Characteristic (	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUI	RCE (PHE SUP	PLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - IV			
			(2 ,	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BC-141
A. Pl	nysico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.24	7.30	7.33	7.38	7.40	7.43
2	Temperature(degree C)			26.9	26.8	26.7	26.7	26.7	26.6	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.7	191.9	192.8	191.6	191.4	192.6	191.5
4	Turbidity (NTU)	1.00	5.00	1.63	1.73	1.36	1.88	1.74	1.47	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	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:			l .	<u> </u>		l			
7	Total Hardness (mg/L)	200.00	600.00	129.54	129.54	129.54	129.54	129.54	129.54	125.49
8	Total Alkalinity (mg/L)	200.00	600.00	130.80	130.80	122.08	122.08	122.08	122.08	122.08
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.71	28.71	28.71	28.71	28.71	28.71	28.71
C .Ba	ncteriological Test Results :			•	<u>.                                      </u>		•	•		
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

**Date of Testing: 01.06.2023** 

### 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, O.H.R - II

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE (	PHE SUPPLY)	)				
		Limit) (IS 10500-	in the absence	O.H.R - II								
		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-80		
A. Pl	hysico-chemical Test Results:					,						
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.24	7.26	7.24	7.31	7.34	7.35		
2	Temperature(degree C)			26.5	26.5	26.4	26.4	26.3	26.4	26.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.4	193.1	192.8	192.7	192.6	192.6	192.4		
4	Turbidity (NTU)	1.00	5.00	1.51	1.72	1.57	1.41	1.90	1.93	1.77		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.2	0.4		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. С	Chemical Test Results:				1							
7	Total Hardness (mg/L)	200.00	600.00	129.54	133.58	133.58	129.54	129.54	129.54	129.54		
8	Total Alkalinity (mg/L)	200.00	600.00	126.44	130.80	130.80	126.44	126.44	126.44	126.44		

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: 02.06.2023** 

## 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>ACTION AREA –I</u>

Sub.: Water Testing (Physico-Chemical & Chemical) **Date of Testing: 05.06.2023** 

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of		SOURC	E (PHE SUPPLY)	
		Limit) (IS 10500-2012)	alternate Source (IS 10500-2012)	HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Pl	nysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.20	7.21	7.28	7.27
2	Temperature(degree C)			26.1	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.5	190.8	190.9	190.6
4	Turbidity (NTU)	1.00	5.00	1.98	1.95	1.62	1.52
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
В. С	hemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	133.58	133.58	137.63	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	126.44	126.44	122.08	122.08

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

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

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

# 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, O.H.R – VII

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

Date of Testing: 05.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-	Permissible Limit in the absence of alternate	SOURCE (PHE SUPPLY) O.H.R - VII							
		2012)	Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF-94	DC-248			
A. P	hysico-chemical Test Re	sults:									
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.38	7.41	7.42	7.45			
2	Temperature(degree C)			26.1	26.2	26.1	26.0	26.0			
3	Total Dissolved Solid.	500.00	2000.00	189.7	189.9	189.6	188.7	189.1			
4	Turbidity, (NTU)	1.00	5.00	1.64	1.69	1.80	1.55	1.81			
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.3	0.2	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
В. (	Chemical Test Results:		ı								
7	Total Hardness, (mg/L)	200.00	600.00	137.63	141.68	137.63	137.63	137.63			
8	Total Alkalinity, (mg/L)	200.00	600.00	122.08	122.08	122.08	122.08	122.08			

O.H.R. - OVER HEAD RESERVOIR

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

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

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

o. : <u>Wate</u>	er Testing (Physico-chemical & Chemical)	Date of Testing: 05.06.2023
sible	SOU	RCE (PHE SUPPLY)

Sl.	Characteristic	Requirement	Permissible			SOURCE (PH	E SUPPLY)			
No		(Acceptable Limit)	Limit in the absence		O.H.R - 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	7.44	7.41	7.40	7.37	7.38	7.40	
2	Temperature(degree C)			26.3	26.3	26.3	26.3	26.3	26.3	
3	Total Dissolved Solid.	500.00	2000.00	189.3	188.6	189.6	189.5	189.4	189.0	
4	Turbidity. (NTU)	1.00	5.00	1.90	1.72	1.89	1.96	1.59	1.79	
5	Residual Free Chlorine	0.20	1.00	0.8	0.4	0.2	0.2	0.3	0.3	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
B. Ch	nemical Test Results:				•					
7	Total Hardness. (mg/L)	200.00	600.00	129.54	129.54	133.58	129.54	133.58	133.58	
8	Total Alkalinity. (mg/L)	200.00	600.00	126.44	126.44	122.08	122.08	122.08	122.08	

O.H.R. - OVER HEAD RESERVOIR

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

## DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

TEST REPORT: ACTION AREA - I, O.H.R - VI

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

Date of Testing: 07.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUI	RCE (PHE SUI	PPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/C/97	CE -74	CE-197	CE-46
	A. Physico - chemical T	est Results:			•					
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.27	7.32	7.34	7.36	7.36	7.37
2	Temperature(degree C)			26.3	26.4	26.3	26.3	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.0	187.9	189.0	188.5	188.4	188.4	187.8
4	Turbidity (NTU)	1.00	5.00	1.95	1.61	1.93	1.98	1.67	1.89	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.4	0.3	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:							•	
7	Total Hardness (mg/L)	200.00	600.00	129.54	129.54	129.54	133.58	129.54	133.58	129.54
8	Total Alkalinity (mg/L)	200.00	600.00	122.08	122.08	122.08	122.08	122.08	126.44	122.08
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	30.63	28.71	30.63	30.63	30.63	30.63	30.63
	C. Bacteriological Test Results	:			•					
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

### 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, O.H.R – III

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

**Date of Testing: 07.06.2023** 

pH Value.  perature(degree C)  Dissolved Solid (mg/L)  Furbidity, (NTU)	(Acceptable Limit) (IS 10500-2012) ts: 6.5-8.5 500.00 1.00	in the absence of alternate Source (IS 10500-2012)  6.5-8.5 2000.00	7.28 26.5 188.3	OUTLET OF O.H.R 7.26 26.4	O.H AI/1/C/28 7.29 26.4	7.29 26.4	7.28	AI/153/18 7.31
pH Value.  sperature(degree C)  Dissolved Solid (mg/L)  Furbidity, (NTU)	6.5-8.5  500.00	6.5-8.5	7.28 26.5	O.H.R 7.26	7.29	7.29	7.28	
pH Value.  sperature(degree C)  Dissolved Solid (mg/L)  Furbidity, (NTU)	6.5-8.5  500.00	2000.00	26.5					7.31
pperature(degree C) Dissolved Solid (mg/L) Furbidity, (NTU)	500.00	2000.00	26.5					7.31
Dissolved Solid (mg/L) Furbidity, (NTU)	500.00	2000.00		26.4	26.4	26.4	+	
Turbidity, (NTU)			188.3			2011	26.3	26.3
	1.00			188.8	188.2	188.1	188.3	188.9
LE. Chi. t. ( g.)		5.00	1.89	1.76	1.40	1.80	1.56	1.91
al Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.3	0.4	0.3	0.2
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
l Test Results :	<u> </u>							
al Hardness, (mg/L)	200.00	600.00	133.58	133.58	129.54	129.54	133.58	129.54
al Alkalinity, (mg/L)	200.00	600.00	122.08	126.44	122.08	122.08	126.44	122.08
ron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride (mg/L)	250.00	1000.00	30.63	30.63	30.63	28.71	30.63	30.63
logical Test Results :								
Coliform (CELI/1001)	Absent	Absent	NF	NF	NF	NF	NF	NF
Omorni (Cr U/100 MI)	4.7	Absent	NF	NF	NF	NF	NF	NF
ro Cl	on(as Fe), mg/L  hloride (mg/L)  ogical Test Results :  oliform (CFU/100 ml)	on(as Fe), mg/L  hloride (mg/L)  ogical Test Results:	200.00   600.00	200.00   600.00	200.00   600.00	200.00   600.00	200.00   600.00	200.00   600.00

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 - I, O.H.R - X

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

Date of Testing: 14.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (PH	IE SUPPLY)	
110		(IS 10500-2012)	alternate Source		O.H.R	R - 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	7.20	7.24	7.30	7.35
2	Temperature(degree C)			26.4	26.4	26.4	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	185.5	186.2	185.6	185.1
4	Turbidity, (NTU)	1.00	5.00	1.44	1.82	1.63	1.36
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.3	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:					-	-
7	Total Hardness, (mg/L)	200.00	600.00	133.58	133.58	133.58	129.54
8	Total Alkalinity, (mg/L)	200.00	600.00	113.36	117.72	117.72	117.72
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.71	28.71	28.71	28.71
C .Ba	cteriological Test Results :	<u>L</u>	I I	I		l	_1
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.

### 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, O.H.R - IX

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

~- 1				- · · · · · · · · · · · · · · · · · · ·				
SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PHE SUP	PLY)	
.10	Character istic	(IS 10500-2012)	alternate Source			O.H.R - IX		
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
<b>4.</b> P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.49	7.58	7.62	7.59
2	Temperature(degree C)			26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	186.0	186.6	186.6	186.5	186.6
4	Turbidity, (NTU)	1.00	5.00	1.49	1.59	1.66	1.64	1.63
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. C	Chemical Test Results:			1		-		I
7	Total Hardness, (mg/L)	200.00	600.00	133.58	133.58	133.58	133.58	133.58
8	Total Alkalinity, (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72	117.72
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	28.71	28.71	28.71	28.71	28.71
C .B	acteriological Test Results :			I	<u> </u>			l
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF

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

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

**Date of Testing: 14.06.2023** 

# 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, O.H.R – VII

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

Date of Testing: 15.06.2023

Sl.	Characteristic	Requirement	Permissible Limit			SOUR	CE (PHE SUPPL	<b>Y</b> )		
No		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)				O.H.R - VII			
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DC-163
A. P	hysico-chemical Test Results	s:							l	
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.35	7.36	7.39	7.45	7.41	7.32
2	Temperature(degree C)			26.5	26.4	26.5	26.5	26.6	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	185.5	184.3	184.5	185.2	184.1	185.6	185.3
4	Turbidity, (NTU)	1.00	5.00	1.40	1.52	1.61	1.59	1.69	1.73	1.81
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.4	0.1	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	129.54	125.49	125.49	129.54	125.49	129.54	129.54
8	Total Alkalinity, (mg/L)	200.00	600.00	113.36	113.36	113.36	113.36	109.00	113.36	113.36
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	1000	30.63	30.63	30.63	30.63	28.71	30.63	28.71
C .B	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

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. O.H.R – VIII

Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological) **Date of Testing: 15.06.2023** 

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (PH	E SUPPLY)		
No		(Acceptable Limit)	in the absence of alternate			O.H.R	- VIII		
		(IS 10500-	of alternate Source	INLET OF	OUTLET	DA-30	DC-23	DA-88	DB-222
		2012)	(IS 10500-2012)	O.H.R.	OF O.H.R.				
A. Ph	ysico-chemical Test Results:	I			ı		ı		
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.36	7.37	7.39	7.38	7.39
2	Temperature(degree C)			26.7	26.7	26.7	26.8	26.8	26.7
3	Total Dissolved Solid.	500.00	2000.00	183.9	183.8	183.1	184.3	185.3	185.6
4	Turbidity (NTU)	1.00	5.00	1.36	1.29	1.31	1.35	1.45	1.38
5	Residual Free Chlorine	0.20	1.00	0.2	0.6	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:				1	1	•		
7	Total Hardness. (mg/L)	200.00	600.00	129.54	129.54	129.54	133.58	133.58	133.58
8	Total Alkalinity. (mg/L)	200.00	600.00	113.36	113.36	113.36	113.36	113.36	113.36
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	28.71	28.71	28.71	28.71	28.71	28.71
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.

# 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, O.H.R – III</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of					SOURCE (PH	E SUPPLY)				
		Limit)	alternate Source					O.H.R	- III				
		(IS 10500- 2012)	(15 10500 2012)		OUTLET OF O.H. R	AI/1/C/28	AL/1/C/5	AL/1/C/40	AI/153/18	AL/1/C/6	AL-12	AL/1/C/11	AL/1/B/8
	A. Physico-chemical	Test Results:	,		•			1	<u>'</u>		•	1	
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.38	7.39	7.42	7.44	7.43	7.45	7.43	7.44	7.46
2	Temperature(degree C)			26.6	26.5	26.5	26.5	26.4	26.4	26.4	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.9	182.9	182.2	182.7	182.0	181.3	181.5	181.6	181.3	182.0
4	Turbidity, (NTU)	1.00	5.00	1.89	1.85	1.75	1.54	1.91	1.67	1.92	1.83	1.53	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.2	0.1	0.3	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Res	ults:	,	1	•	1	ı	•		1	1	•	
7	Total Hardness, (mg/L)	200.00	600.00	139.26	139.26	135.04	135.04	135.04	139.26	135.04	135.04	135.04	135.04
8	Total Alkalinity, (mg/L)	200.00	600.00	115.02	110.76	110.76	110.76	110.76	115.02	110.76	110.76	110.76	110.76

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: 16.06.2023** 

# 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

#### DMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NI NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: <u>ACTION AREA –I</u>

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

Date of Testing: 21.06.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit	SOURCE (PHE SUPPLY)  f HIDCO ALO NABADIGANTA DARADIA					
		Limit) (IS 10500-2012)		HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL		
A. Ph	ysico-chemical Test Results:		1		l				
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.48	7.42	7.43		
2	Temperature(degree C)			26.7	26.6	26.6	26.5		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.4	175.3	175.1	175.5		
4	Turbidity (NTU)	1.00	5.00	1.76	1.78	1.91	1.56		
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. Cl	nemical Test Results:		1						
7	Total Hardness (mg/L)	200.00	600.00	126.60	126.60	126.60	126.60		
8	Total Alkalinity (mg/L)	200.00	600.00	110.76	110.76	110.76	110.76		
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	26.40	26.40	26.40		
C.B	acteriological Test Results :	1	<u> </u>		1				
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF		

NF-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 RIPLOING. 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 , O.H.R - II</u>

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

Date of Testing: 22.06.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PH	E SUPPLY)		
		Limit)	alternate Source			О.Н.О	2 - II		
	(15 10	(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA-120	AE-104	AB-13
A. Ph	ysico-chemical Test Results:					·			
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.28	7.31	7.35	7.36	7.37
2	Temperature(degree C)			26.7	26.7	26.7	26.6	26.7	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.5	174.7	174.5	174.4	174.5	173.6
4	Turbidity (NTU)	1.00	5.00	1.82	1.85	1.77	1.78	1.86	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:	I				l			
7	Total Hardness (mg/L)	200.00	600.00	130.82	130.82	126.60	130.82	130.82	126.60
8	Total Alkalinity (mg/L)	200.00	600.00	102.24	102.24	102.24	102.24	102.24	102.24
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	28.29	28.29	28.29	28.29	28.29	28.29
	Chloride (mg/L)	250.00	1000.00	28.29	28.29	28.29	28.29	28.29	28.29
	( 8 )	250.00 Absent	1000.00 Absent	28.29 NF	28.29 NF	28.29 NF	28.29 NF	28.29 NF	28.29 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>ACTION AREA - I , O.H.R - V</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence			SOUF	RCE (PHE SUP	PLY)		
110		Limit)	of alternate				O.H.R - V			
		(IS 10500-2012)	Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-81	CB-08	CA-27
	A. Physico - chemical Test	Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.08	7.12	7.14	7.19	7.16	7.19
2	Temperature(degree C)			26.1	26.1	26.1	26.1	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	166.0	166.5	166.5	166.1	166.1	166.6	167.1
4	Turbidity (NTU)	1.00	5.00	1.72	1.78	1.89	1.75	1.94	1.69	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.1	0.1	0.3	0.1	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	118.16	122.38	122.38	118.16	118.16	118.16	118.16
8	Total Alkalinity (mg/L)	200.00	600.00	97.98	97.98	97.98	97.98	97.98	97.98	97.98
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	1000	26.40	28.29	28.29	28.29	26.40	28.29	28.29
C .B	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

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: 28.06.2023** 

## 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, O.H.R - I

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PH	IE SUPPLY)		
		Limit) (IS 10500-2012)	alternate Source			О.Н.І	R - I		
		(15 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AC- 190	AC-107	AC-50
A. P	hysico-chemical Test Results:						I		
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.15	7.18	7.22	7.17	7.21
2	Temperature (degree C)			26.4	26.5	26.5	26.5	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	165.0	166.0	165.5	165.8	165.5	165.5
4	Turbidity (NTU)	1.00	5.00	1.80	1.84	1.72	1.89	1.78	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:						1		
7	Total Hardness (mg/L)	200.00	600.00	118.16	118.16	118.16	118.16	118.16	118.16
8	Total Alkalinity (mg/L)	200.00	600.00	97.98	97.98	97.98	97.98	97.98	97.98
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	28.29	28.29	28.29	28.29	28.29	28.29
C.B	acteriological Test Results :				1		1		I
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 II D OVED HEAD DECEDVOID	<u> </u>							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: 28.06.2023** 

# ACTION AREA – II (JUNE' 2023)

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

## TEST REPORT: AA – II A, O.H.R-17

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

Date of Testing: 09.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (PHE SUPPLY)	
110		(IS 10500-2012)	alternate Source	A A TT A A		
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER
A. P	hysico-chemical Test Results:				<u>,                                      </u>	
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.69	7.70
2	Temperature (degree C)			26.0	26.1	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.6	187.9	188.6
4	Turbidity (NTU)	1.00	5.00	1.38	1.25	1.81
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:					
7	Total Hardness (mg/L)	200.00	600.00	133.58	129.54	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	130.80	130.80	130.80

O.H.R. - OVER HEAD RESERVOIR,

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

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

TEST REPORT: <u>AA – II B, O.H.R-15</u>

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

**Date of Testing: 09.06.2023** 

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (P	PHE SUPPLY)			
		(IS 10500-2012)	alternate Source				AA – III	3, O.H.R-15			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. P	Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.59	7.55	7.60	7.62	7.65	7.64	7.62
2	Temperature (degree C)			26.3	26.3	26.3	26.2	26.3	26.3	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.4	188.1	188.8	188.7	189.2	188.9	187.9	188.1
4	Turbidity (NTU)	1.00	5.00	1.85	1.88	1.97	1.77	1.80	1.49	1.74	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.3	0.1	0.1	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	133.58	129.54	133.58	133.58	129.54	133.58	129.54	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	126.44	126.44	130.80	126.44	126.44	130.80	130.80	130.80

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 C, O.H.R – 13

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)	SOURCE (PHE SUPPLY)  AA – IIC, O.H.R - 13						
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. P	Physico-chemical Test Results	<b>:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.28	7.36	7.41	7.41	7.42	7.36
2	Temperature (degree C)			26.2	26.2	26.1	26.1	26.1	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.4	186.2	185.6	186.0	185.7	185.5	185.6
4	Turbidity (NTU)	1.00	5.00	1.78	1.44	1.81	1.47	1.86	1.67	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	133.58	133.58	133.58	129.54	129.54	133.58	129.54
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72	117.72	117.72	117.72

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: 13.06.2023** 

## 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, O.H.R – 11

Sub.: Water Testing (Physico-chemical & Chemical ) Date of Testing: 13.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source		SOURCE (PHE	,			
		(15 10500 2012)	(IS 10500-2012)		AA – IID, O.	AA – IID, O.H.R -11			
				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	7.48	7.51	7.49	7.48		
2	Temperature (degree C)			26.4	26.5	26.6	26.5		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.6	184.7	185.7	185.2		
4	Turbidity (NTU)	1.00	5.00	1.53	1.58	1.28	1.79		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:	1	,				1		
7	Total Hardness (mg/L)	200.00	600.00	129.54	133.58	133.58	133.58		
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72		

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, O.H.R – 12

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURC	E (PHE SUPPLY)	
110		(IS 10500-2012)	alternate Source		AA –	IID, O.H.R - 12	
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. P	Physico-chemical Test Results	S:					
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.41	7.42	7.43
2	Temperature (degree C)			26.4	26.4	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.1	186.6	186.5	185.5
4	Turbidity (NTU)	1.00	5.00	1.79	1.63	1.38	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:	•			•		
7	Total Hardness (mg/L)	200.00	600.00	129.54	133.58	133.58	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	117.72	117.72	117.72	117.72

O.H.R. - OVER HEAD RESERVOIR

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

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

**Date of Testing: 13.06.2023** 

## 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, O.H.R – 18

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, O.H.R – 18	
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physi	co-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.17	7.26	7.37
2	Temperature (degree C)			26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.9	185.3	185.4
4	Turbidity (NTU)	1.00	5.00	1.61	1.86	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3. Chen	nical Test Results:	1	<u> </u>			
7	Total Hardness (mg/L)	200.00	600.00	129.54	133.58	133.58
8	Total Alkalinity (mg/L)	200.00	600.00	113.36	113.36	113.36
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.71	28.71	28.71
C. Bacte	riological Test Results:				<u>.                                      </u>	
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

**Date of Testing: 14.06.2023** 

#### 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, O.H.R – 13

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  AA – IIC, O.H.R - 13								
		(IS 10500-2012)	alternate Source (IS 10500-2012)									
				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	7.20	7.22	7.36	7.32	7.37	7.26	7.39		
2	Temperature (degree C)			25.9	26.8	26.8	26.2	26.4	26.0	26.0		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.1	172.6	172.7	172.2	172.0	172.0	171.9		
4	Turbidity (NTU)	1.00	5.00	1.46	1.78	1.70	1.99	1.92	1.55	1.73		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	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:	I										
7	Total Hardness (mg/L)	200.00	600.00	122.38	122.38	122.38	126.60	126.60	126.60	122.38		
8	Total Alkalinity (mg/L)	200.00	600.00	102.24	106.50	106.50	106.50	106.50	106.50	102.24		
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	26.40	28.29	28.29	28.29	28.29	28.29	26.40		
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: 27.06.2023** 

## 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, O.H.R – 11

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

SI. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)  AA – IID, O.H.R - 11					
				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	7.38	7.42	7.36	7.41		
2	Temperature (degree C)			25.8	25.7	26.1	26.0		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.6	171.0	171.4	170.7		
4	Turbidity (NTU)	1.00	5.00	1.77	1.80	1.81	1.69		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cl	hemical Test Results:		1	1			1		
7	Total Hardness (mg/L)	200.00	600.00	126.60	126.60	126.60	126.60		
8	Total Alkalinity (mg/L)	200.00	600.00	106.50	106.50	106.50	102.24		
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	28.29	28.29	28.29	28.29		
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: 27.06.2023** 

#### 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, O.H.R – 12

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)  AA – IID, O.H.R - 12						
		(IS 10500-2012)	alternate Source							
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION			
<b>1.</b> P	hysico-chemical Test Result	s:								
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.28	7.39	7.42			
2	Temperature (degree C)			26.5	26.2	26.0	26.1			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.4	173.1	172.6	171.5			
4	Turbidity (NTU)	1.00	5.00	1.87	1.49	1.44	1.80			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2	0.1			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B.	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	122.38	122.38	126.60	126.60			
8	Total Alkalinity (mg/L)	200.00	600.00	106.50	106.50	106.50	106.50			
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	28.29	28.29	28.29	28.29			
C. 1	Bacteriological 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			

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: 27.06.2023** 

## GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II A, O.H.R – 17

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

Date of Testing: 30.06.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)				
		(IS 10500-2012)	alternate Source	AA – IIA, O.H.R – 17				
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER		
A. P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.83	7.80		
2	Temperature (degree C)			26.7	26.6	26.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.9	164.1	163.5		
4	Turbidity (NTU)	1.00	5.00	1.65	1.23	1.30		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. С	Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	118.16	118.16	118.16		
8	Total Alkalinity (mg/L)	200.00	600.00	93.72	93.72	93.72		
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	22.63	22.63		
С .В	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, O.H.R – 15</u>

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

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)  AA – IIB, O.H.R – 15								
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA	
A. I	Physico-chemical Test Resul	ts:										
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.72	7.74	7.76	7.69	7.68	7.72	7.73	7.68	
2	Temperature (degree C)			26.9	26.8	26.9	26.9	26.8	26.7	26.7	26.7	
3	Total Dissolved Solid (mg/L)	500	2000	168.0	165.6	165.4	162.5	162.5	161.9	161.3	162.8	
4	Turbidity (NTU)	1.00	5.00	1.81	1.32	1.54	1.30	1.40	1.68	1.64	1.67	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.1	0.3	0.2	0.1	0.1	0.4	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В.	Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	122.38	118.16	118.16	118.16	118.16	118.16	118.16	122.38	
8	Total Alkalinity (mg/L)	200.00	600.00	93.72	93.72	93.72	93.72	93.72	93.72	93.72	93.72	
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	1000	22.63	22.63	22.63	22.63	22.63	22.63	22.63	22.63	
C .B	Bacteriological Test Results :			•	•							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	

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

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

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

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

**Date of Testing: 30.06.2023**