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 APRIL' 2024

### ACTION AREA – I (APRIL' 2024)

#### 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 - V

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

**Date of Testing: 01.04.2024** 

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of				SOURCE	(PHE SUPPLY	()		
		Limit) (IS 10500- 2012)	alternate Source (IS 10500-2012)				0.	H.R - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA-241	CA-245
A.	Physico - chemical Test Results	<b>3:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.87	7.83	7.85	7.89	7.88	7.87
2	Temperature(degree C)			26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.5	189.1	190.2	190.1	189.9	190.1	190.5	189.2
4	Turbidity (NTU)	1.00	5.00	1.02	1.08	1.46	1.41	1.61	1.70	1.50	1.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.3	0.3	0.2	0.2
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	146.05	146.05	149.99	149.99	149.99	149.99	149.99	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	142.56	142.56	146.88	142.56	146.88	146.88	146.88

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: ACTION AREA -I, O.H.R - IV

Sub.: Water Testing (Physico-Chemical & Chemical) Date of Testing: 01.04.2024

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of							
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - I	V		
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BF-57
<b>A.</b> P	hysico-chemical Test Results	•								
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.95	7.96	7.97	7.98	7.95
2	Temperature (degree C)			26.3	26.4	26.4	26.4	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.7	188.8	187.8	188.7	188.4	188.2	187.9
4	Turbidity (NTU)	1.00	5.00	1.40	1.21	1.63	1.57	1.52	1.21	1.08
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	149.99	149.99	149.99	153.94	153.94	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	142.56	146.88	142.56	146.88	142.56

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: 02.04.2024

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	,							
		(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/1/C/46	
	A. Physico - chemical T	est Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.90	7.96	7.98	7.95	7.97	7.98	
2	Temperature(degree C)			26.1	26.1	26.1	26.1	26.2	26.2	26.2	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.4	189.9	190.3	189.7	190.2	189.9	189.0	
4	Turbidity (NTU)	1.00	5.00	0.68	0.88	1.13	1.02	1.12	1.18	1.20	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.3	0.2	0.2	
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	146.05	149.99	153.94	153.94	153.94	153.94	153.94	
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	142.56	142.56	146.88	146.88	142.56	
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	30.18	30.18	30.18	28.29	28.29	28.29	28.29	
	C. Bacteriological Test Resu	ılts :									
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: <u>AA – I, O.H.R – III</u>

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

			Sub Water Testin	<b>_</b> (,/,		or Duetoriogic	<u> </u>		sting. 02.04.2024
Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (P	PHE SUPPLY)		
		Limit)	alternate Source			O.H.	R - III		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AL/1/C/6	AL/1/C/40	AI/153/18
A. I	Physico-chemical Test Result	S:	<u> </u>	- CHINA	OHIA				
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.93	7.95	7.97	7.98	7.96
2	Temperature(degree C)			26.3	26.3	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.2	189.5	189.0	189.2	188.4	190.2
4	Turbidity, (NTU)	1.00	5.00	1.04	0.93	1.00	0.75	0.82	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:				<u>l</u>		I	L	
7	Total Hardness, (mg/L)	200.00	600.00	149.99	153.94	153.94	153.94	153.94	153.94
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	142.56	142.56	142.56	146.88	142.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.40	28.29	28.29	28.29	28.29	28.29
C.F	Bacteriological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

**Date of Testing: 02.04.2024** 

# 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

Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological) Date of Testing: 03.04.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURCE (PHE SUP	PLY)
		Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. P	hysico-chemical Test Results	:				·
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.92	7.91
2	Temperature (degree C)			26.5	26.5	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.2	188.6	188.2
4	Turbidity (NTU)	1.00	5.00	1.27	1.32	1.36
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:		1		l	•
7	Total Hardness (mg/L)	200.00	600.00	146.05	142.09	142.09
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	142.56	138.24
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	28.29	28.29	26.40
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

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 – VII

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

Date of Testing: 03.04.2024

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PH	IE SUPPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			O.H.R	- VII		
				INLET OF	OUTLET OF	DC-57	DF - 94	DC-248	DC-244
				O.H.R.	O.H.R.				
A. P	hysico-chemical Test Results	<b>5:</b>			1			1	
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.93	7.89	7.90	7.92	7.91
2	Temperature (degree C)			26.4	26.4	26.3	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	189.1	188.4	188.1	187.2	188.0	188.3
4	Turbidity, (NTU)	1.00	5.00	1.56	1.25	1.29	1.31	1.54	1.46
5	Residual Free Chlorine	0.20	1.00	2.0	0.6	0.3	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	146.05	142.09	142.09	142.09	146.05	142.09
8	Total Alkalinity, (mg/L)	200.00	600.00	138.24	142.56	142.56	146.55	138.24	142.56
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	1000	28.29	26.40	28.29	28.29	28.29	28.29
C.B	acteriological Test Results :							<u>.                                      </u>	
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 – VIII</u>

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

Date of Testing: 03.04.2024

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (P	HE SUPPLY)		
No		(Acceptable	in the absence of			O.H.R	R - VIII		
		Limit) (IS 10500-2012)	alternate Source	DH ET OF	OTAL EL OF	D.4. 20	DC 22	D 4 00	DD 222
		(15 10500-2012)	(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:			Ollin	O.I.I.		l		
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.95	7.92	7.91	7.90	7.92
2	Temperature (degree C)			26.4	26.4	26.4	26.3	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	188.5	188.9	189.0	188.7	189.0	188.5
4	Turbidity (NTU)	1.00	5.00	1.12	1.25	1.33	1.10	1.21	1.17
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:				<u> </u>		<u> </u>		
7	Total Hardness. (mg/L)	200.00	600.00	146.05	146.05	146.05	146.05	142.09	146.05
8	Total Alkalinity. (mg/L)	200.00	600.00	142.56	142.56	142.56	142.56	142.56	138.24
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	26.40	28.29	28.29	28.29	26.40
C . Ba	acteriological Test Results :				· '		•		
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

#### 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 (PI	HE SUPPLY)		
		Limit) (IS 10500-2012)	alternate Source			О.Н.	R - I		
		(15 10300-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AD-25
A. P	Physico-chemical Test Results:	<u> </u>							
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.85	7.86	7.87	7.86
2	Temperature (degree C)			26.4	26.4	26.4	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.6	189.5	189.6	189.9	189.1	188.8
4	Turbidity (NTU)	1.00	5.00	1.15	0.98	1.04	0.97	1.25	1.01
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	153.94	153.94	153.94	153.94	149.99	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	142.56	142.56	142.56	142.56
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	30.17	28.29	26.40	26.40	26.40	26.40
C.B	acteriological Test Results :				•			1	
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

**Date of Testing: 05.04.2024** 

# 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: 05.04.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOUR	RCE (PHE SUPI	PLY)		
		Limit)	alternate Source				O.H.R - II			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA-120	AB-72	AB-13	AE-104
A. Ph	ysico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.91	7.89	7.90	7.82	7.81	7.82
2	Temperature(degree C)			26.4	26.4	26.3	26.3	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.3	189.8	190.9	190.0	190.0	188.1	190.2
4	Turbidity (NTU)	1.00	5.00	1.16	1.21	1.03	1.18	1.32	1.25	1.26
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	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	hemical Test Results:				<u> </u>	<u> </u>		<u> </u>	<u> </u>	
7	Total Hardness (mg/L)	200.00	600.00	149.99	146.05	149.99	149.99	153.94	149.99	149.99
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	146.88	151.20	142.56	142.56	142.56
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	28.29	26.40	28.29	30.17	26.40	26.40	26.40
C .Ba	cteriological Test Results :	•								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

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

Date of Testing: 09.04.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of		SOURCE (PHE SU	JPPLY)
		Limit) (IS 10500-2012)	alternate Source (IS 10500-2012)	HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. Pl	nysico-chemical Test Results:					•
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.83	7.85
2	Temperature(degree C)			26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.5	192.8	192.5
4	Turbidity (NTU)	1.00	5.00	0.71	0.79	0.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. C	hemical Test Results:		·			
7	Total Hardness (mg/L)	200.00	600.00	149.99	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	146.88	146.88

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: ACTION AREA - I, O.H.R - V

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence			SOUI	RCE (PHE SU	PPLY)		
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-246
A.	Physico - chemical Test Result	s:								
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.87	7.89	7.85	7.86	7.87	7.86
2	Temperature(degree C)			26.3	26.3	26.3	26.3	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.4	196.5	195.6	194.4	196.1	194.6	196.8
4	Turbidity (NTU)	1.00	5.00	0.71	1.14	0.92	0.76	0.69	0.87	1.06
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:								<u> </u>	
7	Total Hardness (mg/L)	200.00	600.00	146.05	146.05	146.05	142.09	146.05	142.09	146.05
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	146.88	146.88	142.56	146.88	146.88	146.88
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	1000	28.29	30.17	30.17	30.17	30.17	30.17	28.29
C .B	acteriological Test Results :				ı	ı				
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: 12.04.2024** 

#### 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 - IV</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit	e SOURCE (PHE SUPPLY)						
		Limit) (IS 10500-2012)	in the absence of alternate			O.H.R - IV				
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	SNEHODIYA		
A. P	hysico-chemical Test Results	•								
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.82	7.80	7.81		
2	Temperature(degree C)			26.4	26.3	26.3	26.4	26.4		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.0	194.4	194.0	194.6	194.0		
4	Turbidity (NTU)	1.00	5.00	0.86	0.94	0.76	0.92	0.96		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. (	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	146.05	149.99	149.99	153.94	149.99		
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	146.88	142.56	146.88	142.56		
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	30.17	30.17	32.06	30.17	30.17		
C.B	acteriological Test Results :				•			•		
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: 12.04.2024** 

#### 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)

Characteristic	Requirement	Permissible Limit		SOURCE (I	PHE SUPPLY)	
	(IS 10500-2012)	alternate Source		О.Н	I.R - X	
		(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	CHITTARANJAN NATIONAL CANCER INSTITUTE
sico-chemical Test Results:						
pH Value.	6.5-8.5	6.5-8.5	7.81	7.85	7.86	7.87
Temperature(degree C)			26.5	26.5	26.5	26.6
Total Dissolved Solid(mg/L)	500.00	2000.00	194.9	193.5	192.4	193.5
Turbidity, (NTU)	1.00	5.00	1.63	1.25	1.15	0.98
Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.3	0.3
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
emical Test Results:						•
Total Hardness, (mg/L)	200.00	600.00	148.44	144.43	148.44	148.44
Total Alkalinity, (mg/L)	200.00	600.00	146.88	146.88	151.20	146.88
Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
Chloride (mg/L)	250.00	1000.00	28.29	28.29	26.40	28.29
cteriological Test Results:						
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
	sico-chemical Test Results:  pH Value.  Temperature(degree C)  Total Dissolved Solid(mg/L)  Turbidity, (NTU)  Residual Free Chlorine(mg/L)  Odour  emical Test Results:  Total Hardness, (mg/L)  Total Alkalinity, (mg/L)  Iron(as Fe) (mg/L)  Chloride (mg/L)  eteriological Test Results:  Total Coliform (CFU/100 ml)	(Acceptable Limit) (IS 10500-2012)  sico-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) 0.20  Odour Agreeable  emical Test Results:  Total Hardness, (mg/L) 200.00  Total Alkalinity, (mg/L) 200.00  Iron(as Fe) (mg/L) Chloride (mg/L) 250.00  eteriological Test Results:  Total Coliform (CFU/100 ml) Absent	(Acceptable Limit) (IS 10500-2012)   in the absence of alternate Source (IS 10500-2012)	(Acceptable Limit) (IS 10500-2012)   in the absence of alternate Source (IS 10500-2012)   INLET OF O.H.R.	CAcceptable Limit (IS 10500-2012)   in the absence of alternate Source (IS 10500-2012)   INLET OF O.H.R.   OUTLET OF O.H.R.	CACCEPTABLE Limity (IS 10500-2012)

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: 18.04.2024** 

### 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 – IX</u>

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

Sl.		Requirement	Permissible Limit			SOURCE (PHE SUI	PPLY)	
No	Characteristic	(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source			O.H.R - IX		
			(IS 10500-2012)	INLET OF	OUTLET OF	DAWAT	RISHI TOWER	VGM TOWER
				O.H.R.	O.H.R.	RESTAURANT	KISHI TOWEK	
A. P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.87	7.89	7.85
2	Temperature(degree C)			26.7	26.7	26.7	26.7	26.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	192.6	192.9	191.4	192.6	191.3
4	Turbidity, (NTU)	1.00	5.00	0.90	1.05	1.18	1.29	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	144.43	148.44	148.44	148.44	148.44
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	151.20	151.20	151.20	151.20
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	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
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: 18.04.2024** 

### GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING EVECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SURRI V.D.

# 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: 22.04.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of		SOURCE (PHE SI	UPPLY)
110		Limit) (IS 10500-2012)	alternate Source (IS 10500-2012)	HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. Pl	hysico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.83	7.84
2	Temperature(degree C)			26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.5	190.2	190.4
4	Turbidity (NTU)	1.00	5.00	1.15	1.12	1.07
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	<0.1	<0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:		<u>.                                      </u>			
7	Total Hardness (mg/L)	200.00	600.00	144.43	148.44	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	138.24	138.24

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

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

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

#### TEST REPORT: AA – I, O.H.R – VII

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

Date of Testing: 22.04.2024

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PH	IE SUPPLY)		
110		(IS 10500-2012)	alternate Source (IS 10500-2012)			O.H.R	- VII		
				INLET OF	OUTLET OF	DC-57	DF - 94	DC-248	DC-174
				O.H.R.	O.H.R.				
<b>A.</b> P	hysico-chemical Test Results	<b>5:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.76	7.87	7.88	7.85	7.83
2	Temperature (degree C)			26.3	26.3	26.2	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	189.9	189.1	190.1	189.5	189.2	188.4
4	Turbidity, (NTU)	1.00	5.00	1.88	1.70	1.82	1.86	1.92	1.89
5	Residual Free Chlorine	0.20	1.00	0.2	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	144.43	144.43	148.44	148.44	144.43	144.43
8	Total Alkalinity, (mg/L)	200.00	600.00	142.56	138.24	142.56	138.24	142.56	142.56
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	1000	28.29	28.29	28.29	26.40	26.40	26.40
С.В	acteriological Test Results :					•		· '	
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

# 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 & Bacteriologica

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

Date of Testing: 22.04.2024

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (PI	HE SUPPLY)		
No		(Acceptable	in the absence of			O.H.R	- VIII		
		Limit) (IS 10500-2012)	alternate Source	DH ET OF	OTTEL PER OF	D.1. 20	DC 44	D + 00	DD 444
		(13 10300-2012)	(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:			- OZZIZU					
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.82	7.83	7.82	7.85
2	Temperature (degree C)			26.2	26.2	26.3	26.3	26.3	26.4
3	Total Dissolved Solid.	500.00	2000.00	189.3	188.7	188.9	188.7	189.9	188.5
4	Turbidity (NTU)	1.00	5.00	0.84	1.21	1.05	1.67	1.21	1.13
5	Residual Free Chlorine	0.20	1.00	0.6	0.3	0.2	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	hemical Test Results:								
7	Total Hardness. (mg/L)	200.00	600.00	144.43	144.43	148.44	148.44	144.43	148.44
8	Total Alkalinity. (mg/L)	200.00	600.00	142.56	138.24	138.24	142.56	138.24	138.24
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	30.17	30.17	28.29	28.29	28.29	28.29
C . Ba	acteriological Test Results :	1			1		1		
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

#### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

TEST REPORT: <u>ACTION AREA - I, O.H.R - VI</u> Sub.: Water Testing (Physico-chemical & Chemical)

Characteristic Requirement Permissible SOURCE (PHE SUPPLY) No (Acceptable Limit O.H.R - VI Limit) in the absence (IS 10500-2012) of alternate INLET OF OUTLET OF NBCC CE-74 CE-197 CE /1/A/97 Source O.H.R. O.H.R. (IS 10500-2012) A. Physico - Chemical Test Results: 1 pH Value. 7.86 7.85 7.84 7.83 7.87 7.84 6.5-8.5 6.5-8.5 2 **Temperature**(degree C) 26.1 26.0 26.0 26.1 26.0 25.9 Total Dissolved Solid (mg/L) 191.4 191.7 192.1 191.6 191.2 191.3 500.00 2000.00 Turbidity (NTU) 1.33 1.05 1.20 1.08 1.11 1.07 1.00 5.00 Residual Free Chlorine (mg/L) 0.2 0.3 0.3 0.2 0.3 0.4 0.20 1.00 6 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: Total Hardness (mg/L) 148.44 144.43 148.44 144.43 144.43 144.43 200.00 600.00

142.56

600.00

200.00

142.56

138.24

138.24

O.H.R. - OVER HEAD RESERVOIR,

Total Alkalinity (mg/L)

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.

138.24

138.24

**Date of Testing: 23.04.2024** 

# 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			SOUR	CE (PHE SUPP	LY)		
		Limit)	alternate Source				O.H.R - III			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R	A/1/C/28	AL-11	AL/1/C/40	AI/153/18	AL/1/C/6
	A. Physico-chemical Test R	Results :	1	O.H.K.	O.H.R					
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.81	7.80	7.82	7.81	7.80	7.76
2	Temperature(degree C)			25.8	25.8	25.8	25.7	25.7	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.4	189.1	189.6	189.4	189.0	188.5	188.9
4	Turbidity, (NTU)	1.00	5.00	1.16	1.05	1.24	1.37	1.60	1.17	1.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.3	0.2	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Results:	•		l	•		<u> </u>			•
7	Total Hardness, (mg/L)	200.00	600.00	144.43	144.43	148.44	148.44	148.44	152.46	152.46
8	Total Alkalinity, (mg/L)	200.00	600.00	138.24	138.24	133.92	133.92	133.92	133.92	133.92

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: 23.04.2024** 

#### 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 - I</u>

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURC	E (PHE SUPP	LY)			
		(IS 10500-2012)	alternate Source (IS 10500-2012)					O.H.R - I				
			(10 10000-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 60	AC-52	AC-57	AC-54
A. P	hysico-chemical Test Result	ts:										
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.32	7.33	7.35	7.36	7.34	7.39	7.45	7.47
2	Temperature (degree C)			26.0	26.1	26.1	26.1	26.0	26.1	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.7	189.4	191.7	192.4	192.2	189.4	189.1	188.8	188.4
4	Turbidity (NTU)	1.00	5.00	1.19	1.12	1.25	1.43	1.14	1.12	1.07	1.16	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.3	0.3	0.4	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:	,		l	1			<u> </u>	I	I		
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43	144.43	148.44	148.44	148.44	148.44	148.44	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	138.24	138.24	138.24	142.56	142.56	138.24	138.24

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: 26.04.2024** 

#### 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 - II</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit				SOURCE (PH	E SUPPLY)			
		Limit)	in the absence				O.H.R	- 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-12	AA-57	AB-13
A. Pl	nysico-chemical Test Results:								•		
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.87	7.89	7.95	7.94	7.97	7.89	7.91
2	Temperature(degree C)			26.2	26.3	26.3	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.9	189.4	188.8	187.8	188.5	187.1	188.0	188.7
4	Turbidity (NTU)	1.00	5.00	1.26	1.36	1.32	1.28	0.96	1.21	1.30	1.26
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.1	0.3	0.1	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	148.44	152.46	148.44	152.46	148.44	152.46	152.46	152.46
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	133.92	138.24	133.92	133.92	138.24	133.92

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: 29.04.2024** 

#### 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 - V

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

Sl. No	Characteristic	Requirement (Acceptable Limit)  Requirement in the absence of alternate Source		SOURCE (PHE SUPPLY)						
		(IS 10500- 2012)	(IS 10500-2012)		O.H.R -	· V				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA- 81	CB-08			
Α.	Physico - chemical Test Results	<b>:</b>			<u> </u>					
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.95	7.92	7.95			
2	Temperature(degree C)			26.3	26.4	26.4	26.5			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.1	188.5	188.0	188.4			
4	Turbidity (NTU)	1.00	5.00	0.96	1.04	0.97	1.03			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
В. (	Chemical Test Results:				, <u> </u>					
7	Total Hardness (mg/L)	200.00	600.00	148.44	148.44	148.44	144.43			
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	133.92	133.92			

O.H.R. - OVER HEAD RESERVOIR,

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

**Date of Testing: 30.04.2024** 

### 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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PH	E SUPPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			O.H.R	- IV		
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105
A. P	hysico-chemical Test Results								
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.91	7.90	7.93	7.95	7.93
2	Temperature (degree C)			26.3	26.3	26.3	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.3	188.7	188.5	188.0	188.5	188.0
4	Turbidity (NTU)	1.00	5.00	0.87	1.21	1.27	0.97	0.91	1.02
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	148.44	148.44	144.43	148.44	144.43	148.44
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	138.24	138.24	138.24	138.24

O.H.R. - OVER HEAD RESERVOIR

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

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

**Date of Testing: 30.04.2024** 

### ACTION AREA – II (APRIL' 2024)

# 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: 09.04.2024

	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (PHE S	SUPPLY)	
		(IS 10500-2012)	alternate Source		AA – IIA, O.H	I.R-17	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER	CBD
A. P	hysico-chemical Test Results	<b>5:</b>					
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.81	7.80	7.81
2	Temperature (degree C)			26.2	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.8	192.2	192.7	193.3
4	Turbidity (NTU)	1.00	5.00	0.80	0.72	0.83	0.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	'					
7	Total Hardness (mg/L)	200.00	600.00	146.05	149.99	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	146.88	151.20	146.88

O.H.R. - OVER HEAD RESERVOIR,

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

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

TEST REPORT: AA – II B, O.H.R-15

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

			2 tt 2 t	(1)	nysico chemicai	er cheminal,		2	or resume.	
Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SC	URCE (PHE SU	JPPLY)		
110		(IS 10500-2012)	alternate Source				AA – IIB, O.H.I	R-15		
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. F	Physico-chemical Test Resul	ts:								
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.85	7.83	7.82	7.81	7.82	7.81
2	Temperature (degree C)			26.3	26.3	26.3	26.3	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.5	194.8	194.1	193.3	193.6	193.4	193.1
4	Turbidity (NTU)	1.00	5.00	0.75	0.71	0.77	0.81	0.88	0.91	0.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.2	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:	l		•	1					1
7	Total Hardness (mg/L)	200.00	600.00	149.99	146.05	146.05	146.05	149.99	153.94	153.94
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	146.88	146.88	146.88	151.20	146.88

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: 09.04.2024** 

#### 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. F	Physico-chemical Test Results	S:									
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.95	7.97	7.96	7.95	7.96	7.98	
2	Temperature (degree C)			26.4	26.4	26.4	26.4	26.4	26.3	26.3	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.1	195.6	194.5	194.9	194.7	194.4	193.6	
4	Turbidity (NTU)	1.00	5.00	1.26	1.19	1.06	1.14	1.12	0.91	0.96	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	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	146.05	146.05	146.05	142.09	146.05	149.99	149.99	
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	146.88	142.56	142.56	138.24	142.56	142.56	

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: 15.04.2024** 

#### 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 )

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	imit) in the absence of	SOURCE (PHE SUPPLY)  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	7.95	7.97	7.96	7.95		
2	Temperature (degree C)			26.2	26.2	26.3	26.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.6	193.3	192.4	193.3		
4	Turbidity (NTU)	1.00	5.00	1.10	1.19	1.22	1.18		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	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	146.05	149.99	149.99	153.94		
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	151.20	151.20	142.56		

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: 15.04.2024** 

#### 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	SOURCE (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	GREEN FIELD AMBITION			
A. P	Physico-chemical Test Results	S <b>:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.93	7.92			
2	Temperature (degree C)			26.3	26.2	26.2			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	193.3	194.3	192.3			
4	Turbidity (NTU)	1.00	5.00	1.28	1.07	1.06			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.3	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
В.	<b>Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200.00	600.00	153.94	149.99	146.05			
8	Total Alkalinity (mg/L)	200.00	600.00	151.20	146.88	151.20			

O.H.R. - OVER HEAD RESERVOIR

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

**Date of Testing: 15.04.2024** 

### 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: 16.04.2024

Sl. No	Characteristic	Requirement Permissible (Acceptable Limit) in the abser							
		(IS 10500-2012)	alternate Source	AA – IIA, O.H.R – 17					
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAZ TOWER	CBD		
<b>1.</b> P	hysico-chemical Test Results:			1					
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.84	7.83	7.89		
2	Temperature (degree C)			26.7	26.7	26.7	26.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.5	192.9	193.4	193.3		
4	Turbidity (NTU)	1.00	5.00	1.65	1.28	1.27	1.34		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
3. (	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	148.44	148.44	148.44	148.44		
8	Total Alkalinity (mg/L)	200.00	600.00	155.52	151.20	146.88	146.88		
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	30.17	30.17	30.17		
C .B	acteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF		

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

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

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

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

TEST REPORT: AA – II B, O.H.R – 15

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

**Date of Testing: 16.04.2024** Characteristic Requirement Permissible SOURCE (PHE SUPPLY) No (Acceptable Limit) Limit **AA – IIB, O.H.R – 15** (IS 10500-2012) (IS 10500-2012) INLET OF OUTLET OF HILAND PLOT-1683 MALANCHA ECO URBAN SHILPI NKDA Mkt. O.H.R. O.H.R. WILLOWS VILLAGE **VILLA** A. Physico-chemical Test Results: pH Value. 6.5 to 8.5 6.5 to 8.5 7.85 7.86 7.82 7.87 7.89 7.85 7.87 7.83 2 Temperature (degree C) 26.7 26.7 26.7 26.6 26.5 26.6 26.4 26.7 Total Dissolved Solid (mg/L) 500 2000 3 196.1 194.6 194.8 194.2 194.7 193.7 192.8 192.2 4 Turbidity (NTU) 1.00 5.00 1.61 1.28 1.26 1.25 1.12 1.10 1.16 1.28 Residual Free Chlorine (mg/L) 0.20 1.00 0.2 0.3 0.2 0.4 0.3 0.4 0.2 0.4 6 Odour Agreeable **B.** Chemical Test Results: Total Hardness (mg/L) 200.00 600.00 144.43 148.44 144.43 148.44 148.44 148.44 152.46 152.46 8 Total Alkalinity (mg/L) 200.00 600.00 155.52 155.52 151.20 151.20 151.20 146.88 146.88 146.88 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) 28.29 250 1000 30.17 30.17 30.17 28.29 30.17 30.17 30.17 C. Bacteriological Test Results: 11 Total Coliform (CFU/100 ml) Absent Absent NF NF NF NF NF NF NF NF 12 Fecal Coliform (CFU/100 ml) NF NF NF NF NF NF Absent Absent 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, O.H.R – 18</u>

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

Date of Testing: 18.04.2024

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.		
A. Physi	ico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.86		
2	Temperature (degree C)			26.3	26.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.8	192.0		
4	Turbidity (NTU)	1.00	5.00	0.93	0.98		
5	Residual Free Chlorine (mg/L)	0.20	1.00	2.0	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cher	mical Test Results:	1	<b>'</b>				
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43		
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	146.88		
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	28.29	30.17		
C. Bacte	riological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF		

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

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

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

#### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

#### TEST REPORT: AA – II C, 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
<b>A.</b> P	hysico-chemical Test Result	s:				•				
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.84	7.81	7.87	7.96	7.90
2	Temperature (degree C)			25.8	25.8	26.1	26.1	26.1	26.1	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.1	191.0	191.7	191.25	190.9	190.7	189.9
4	Turbidity (NTU)	1.00	5.00	1.25	1.06	1.86	0.90	1.43	1.37	1.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.1	0.2	0.1	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	1	1							
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43	148.44	144.43	148.44	148.44	144.43
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	138.24	142.56	142.56	146.88	146.88	142.56
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	28.29	30.17	28.29	28.29	28.29	26.40	28.29
C. I	Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

N.F- NOT FOUND,

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

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

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

**Date of Testing: 25.04.2024** 

#### 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)

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, O.H.R - 11					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA		
A. Phy	vsico-Chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.92	7.93	7.91		
2	Temperature (degree C)			26.1	26.1	25.9	25.8		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.7	190.5	190.0	190.0		
4	Turbidity (NTU)	1.00	5.00	1.18	1.09	0.99	1.03		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cl	nemical Test Results:	1	1	1			1		
7	Total Hardness (mg/L)	200.00	600.00	144.43	144.43	144.43	148.44		
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	142.56	142.56		
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	30.17	30.17	28.29	28.29		
C. Ba	cteriological Test Results:			•	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. Sd/-Executive Engineer NTKD - I P.H.E. Dte.

**Date of Testing: 25.04.2024** 

# 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	haracteristic Requirement (Acceptable Limit)		SOURCE (PHE SUPPLY)					
110		(IS 10500-2012)	in the absence of alternate Source	AA – IID, O.H.R - 12					
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD AMBITION			
A. P	Physico-chemical Test Results	S:	1	<u> </u>	1				
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.95	7.94			
2	Temperature (degree C)			25.8	25.9	25.8			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.2	191.1	190.1			
4	Turbidity (NTU)	1.00	5.00	1.23	0.79	1.14			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.1	0.1			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B.	Chemical Test Results:			1	1				
7	Total Hardness (mg/L)	200.00	600.00	148.44	144.43	148.44			
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	142.56			
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1			
10	Chloride (mg/L)	250.00	1000.00	30.17	30.17	30.17			
<b>C.</b> 1	Bacteriological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF			
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF			

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

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

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

**Date of Testing: 25.04.2024**