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 FEBRUARY' 2023

## ACTION AREA – I (FEBRUARY' 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 - I, O.H.R - X

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

Date of Testing: 01.02.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (I	PHE SUPPLY)	
110		(IS 10500-2012)	alternate Source				
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Ph	ysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.23	7.22	7.24
2	Temperature(degree C)			24.8	24.8	24.7	24.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	202	203	203	203
4	Turbidity, (NTU)	1.00	5.00	1.58	1.13	1.86	1.86
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	152.46	156.47	156.47	156.47
8	Total Alkalinity, (mg/L)	200.00	600.00	148.50	148.50	148.50	148.50

O.H.R. - OVER HEAD RESERVOIR

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

## 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)

**Date of Testing: 01.02.2023** 

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit		S	OURCE (PHE SUP	PLY)	
NO	Characteristic	(IS 10500-2012)	in the absence of 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>A.</b> P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.31	7.30	7.28	7.29
2	Temperature(degree C)			24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	203	203	203	203	203
4	Turbidity, (NTU)	1.00	5.00	1.80	1.47	1.75	1.27	1.86
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:	<u> </u>		1	<u>'</u>	-		
7	Total Hardness, (mg/L)	200.00	600.00	156.47	156.47	156.47	156.47	156.47
8	Total Alkalinity, (mg/L)	200.00	600.00	148.50	148.50	148.50	148.50	148.50

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 - I

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

Date of Testing: 02.02.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOUR	CE (PHE SUPI	PLY)		
- 1.5		Limit) (IS 10500-2012)	alternate Source				O.H.R - I			
		(15 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC-148	AC-224
<b>A.</b> P	Physico-chemical Test Results	:								
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.54	7.54	7.56	7.57	7.58	7.59
2	Temperature (degree C)			23.4	23.4	23.6	23.6	23.7	23.5	23.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	202	202	202	202	202	202	202
4	Turbidity (NTU)	1.00	5.00	1.83	1.48	1.63	1.53	1.84	1.70	1.52
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.1	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	1						I		
7	Total Hardness (mg/L)	200.00	600.00	156.47	156.47	156.47	156.47	156.47	156.47	156.47
8	Total Alkalinity (mg/L)	200.00	600.00	148.50	148.50	148.50	148.50	148.50	148.50	148.50
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.90	20.90	20.90	20.90	20.90	20.90	20.90
C.B	acteriological 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.

## 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)

Date of Testing: 06.02.2023

Sl. No	Characteristic	Requirement	Permissible Limit			SOI	URCE (PHE SUPP	LY)		
NO		(Acceptable Limit)	in the absence 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	CC-08	CC-197
	A. Physico - chemical Test	Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.67	7.69	7.70	7.68	7.70	7.73
2	Temperature(degree C)			24.3	24.3	24.3	24.4	24.5	24.5	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.6	196.2	196.3	196.3	196.3	196.1	196.3
4	Turbidity (NTU)	1.00	5.00	1.58	1.96	1.97	1.87	1.74	1.55	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.1	0.4	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	1	1					1	1	I
7	Total Hardness (mg/L)	200.00	600.00	152.46	152.46	152.46	152.46	152.46	156.47	156.47
8	Total Alkalinity (mg/L)	200.00	600.00	148.50	148.50	148.50	144.00	144.00	148.50	148.50
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	20.90	20.90	20.90	20.90	20.90	20.90	20.90
C.B	acteriological Test Results :							<u>'</u>	1	1
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.

## 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 & Bacteriological)

Date of Testing: 06.02.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURC	E (PHE SUPPLY)	
		Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	НІДСО	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Ph	ysico-chemical Test Results:		1		1		
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.48	7.47	7.49
2	Temperature(degree C)			24.4	24.4	24.3	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	197.0	198.3	199.4	197.1
4	Turbidity (NTU)	1.00	5.00	1.82	1.41	1.26	1.27
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:		1		1		
7	Total Hardness (mg/L)	200.00	600.00	152.46	156.47	156.47	156.47
8	Total Alkalinity (mg/L)	200.00	600.00	148.50	148.50	148.50	148.50
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	20.90	20.90	20.90	20.90
C.Ba	acteriological Test Results :	•				<u> </u>	
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

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

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

Date of Testing: 09.02.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOU	RCE (PHE SUPP	PLY)	
		(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/48	CE -74
	A. Physico - chemical T	est Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.63	7.70	7.69	7.71
2	Temperature(degree C)			25.3	25.2	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.0	191.5	191.9	191.6	191.6
4	Turbidity (NTU)	1.00	5.00	1.37	1.54	1.24	1.70	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.4	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:						
7	Total Hardness (mg/L)	200.00	600.00	152.46	152.46	152.46	152.46	156.47
8	Total Alkalinity (mg/L)	200.00	600.00	135.00	135.00	135.00	135.00	130.50
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	20.90	20.90	20.90	20.90	20.90
	C. 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.

# 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)

Date of Testing: 10.02.2023

Sl. No	Characteristic	Requirement	Permissible			SOURCE	(PHE SUPPLY)			
140		(Acceptable Limit) (IS 10500-	Limit in the absence of alternate			0.	H.R - VII			
		2012)	Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF-94	DC-248	DC-174
A. P	hysico-chemical Test Re	sults:								
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.68	7.70	7.65	7.67	7.69	7.71
2	Temperature(degree C)			24.5	24.4	24.3	24.7	24.7	24.6	24.6
3	Total Dissolved Solid.	500.00	2000.00	190.2	189.8	190.5	192.5	190.4	190.2	190.4
4	Turbidity, (NTU)	1.00	5.00	1.49	1.30	1.64	1.55	1.42	1.69	1.80
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.4	0.1	0.2	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	152.47	152.47	152.47	156.47	152.47	156.47	152.47
8	Total Alkalinity, (mg/L)	200.00	600.00	126.00	121.50	126.00	126.00	126.00	126.00	126.00

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)

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

Date of Testing: 10.02.2023

Sl.	Characteristic	Requirement	Permissible			S	SOURCE (PHE	SUPPLY)			
No		(Acceptable Limit)	Limit in the absence				O.H.R - V	/III			
		(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-221	DC-34	DC-44
A. Ph	ysico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.69	7.72	7.75	7.73	7.72	7.73	7.74
2	Temperature(degree C)			24.1	24.0	24.0	24.0	24.0	24.0	24.0	24.3
3	Total Dissolved Solid.	500.00	2000.00	189.2	189.7	190.9	190.3	189.5	190.7	189.5	190.3
4	Turbidity. (NTU)	1.00	5.00	1.78	1.87	1.85	1.67	1.35	1.41	1.77	1.99
5	Residual Free Chlorine	0.20	1.00	0.3	0.3	0.1	0.1	0.3	0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:	•			•						
7	Total Hardness. (mg/L)	200.00	600.00	156.47	152.46	152.46	152.46	152.46	152.46	152.46	152.46
8	Total Alkalinity. (mg/L)	200.00	600.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00

O.H.R. - OVER HEAD RESERVOIR

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

### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

### TEST REPORT: AA - I, O.H.R - X

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

Date of Testing: 13.02.2023

Characteristic	Requirement	Permissible Limit		SOURCE (F	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	NATIONAL CANCER INSTITUTE CHITTARANJAN
sico-chemical Test Results:		•				
pH Value.	6.5-8.5	6.5-8.5	7.42	7.45	7.45	7.43
Temperature(degree C)			24.4	24.5	24.6	24.6
Total Dissolved Solid(mg/L)	500.00	2000.00	188.2	189.1	189.3	189.9
Turbidity, (NTU)	1.00	5.00	1.64	1.32	1.04	1.67
Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.2	0.1	0.2
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
emical Test Results:		•				
Total Hardness, (mg/L)	200.00	600.00	152.46	152.46	156.47	152.46
Total Alkalinity, (mg/L)	200.00	600.00	112.50	112.50	112.50	112.50
Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
Chloride (mg/L)	250	1000	20.90	20.90	20.90	20.90
eteriological Test Results :		1			I	
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
	resico-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 1.0  Chloride (mg/L) 250  eteriological Test Results:  Total Coliform (CFU/100 ml) Absent	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012)  Prisico-chemical Test Results:  PH Value. 6.5-8.5 6.5-8.5  Temperature(degree C)  Total Dissolved Solid(mg/L) 500.00 2000.00  Turbidity, (NTU) 1.00 5.00  Residual Free Chlorine(mg/L) 0.20 1.00  Odour Agreeable Agreeable  emical Test Results:  Total Hardness, (mg/L) 200.00 600.00  Total Alkalinity, (mg/L) 200.00 600.00  Iron(as Fe), mg/L 1.0 No Relaxation  Chloride (mg/L) 250 1000  eteriological Test Results:  Total Coliform (CFU/100 ml) Absent Absent	(Acceptable Limit) (IS 10500-2012)   in the absence of alternate Source (IS 10500-2012)   INLET OF O.H.R.	(Acceptable Limit) (IS 10500-2012)   in the absence of alternate Source (IS 10500-2012)   INLET OF O.H.R.   OUTLET 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.   GREEN FIELD - 4D

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.

## 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)

Date of Testing: 13.02.2023

Sl.		Requirement	Permissible Limit		SC	OURCE (PHE SUPPL	<b>Y</b> )	
No	Characteristic	(Acceptable Limit) (IS 10500-2012)	in the absence of 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
A. P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.43	7.44	7.45	7.46
2	Temperature(degree C)			24.6	24.6	24.6	24.6	24.7
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	190.4	189.7	189.1	189.2	189.2
4	Turbidity, (NTU)	1.00	5.00	1.41	1.64	1.23	1.06	1.97
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. С	Chemical Test Results:	1		I	1		1	1
7	Total Hardness, (mg/L)	200.00	600.00	156.47	152.47	152.47	152.47	156.47
8	Total Alkalinity, (mg/L)	200.00	600.00	112.50	112.50	112.50	112.50	112.50
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	20.90	20.90	20.90	20.90	20.90
С.В	acteriological Test Results :	<u>l</u>		1	1		1	1
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.

### 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: 15.02.2023

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			
			(20 20000 2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BF-79	BL-87
A. P	hysico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.40	7.58	7.60	7.62	7.63	7.61	7.64
2	Temperature(degree C)			24.9	24.8	25.1	25.1	25.1	25.1	25.0	24.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.4	190.8	190.9	190.7	190.9	190.9	190.8	190.8
4	Turbidity (NTU)	1.00	5.00	1.87	1.69	1.95	1.52	1.50	1.98	1.97	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.3	0.2	0.3	0.2	0.3	0.8
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	152.61	148.59	148.59	148.59	152.61	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	109.00	109.00	109.00	109.00	113.36	113.36	113.36	113.36

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

#### 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: 16.02.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PI	HE SUPPLY)		
		Limit)	alternate Source			О.Н.	R - II		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AE-97	BA - 120	AB-72	AB-13
A. Ph	ysico-chemical Test Results:	;							
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.53	7.55	7.57	7.56	7.60
2	Temperature(degree C)			24.9	24.9	24.9	24.9	24.8	24.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.2	198.3	198.6	198.5	198.5	198.4
4	Turbidity (NTU)	1.00	5.00	1.80	1.87	1.89	1.77	1.81	1.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:	I.							
7	Total Hardness (mg/L)	200.00	600.00	152.61	152.61	152.61	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	130.80	139.52	139.52	139.52	139.52	139.52
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	24.70	24.70	22.80	22.80	22.80	22.80
	cteriological Test Results :								- 1
C .Ba	8								
C .Ba	Total 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: AA – I, O.H.R – III

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of				SOURCE (PHE SU	PPLY)		
		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	AI-99	AL/1/C/40	AI/153/18	AI-73
A. I	Physico-chemical Test Result	ts:								
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.48	7.50	7.52	7.52	7.55	7.54
2	Temperature(degree C)			25.0	25.1	24.9	25.1	25.0	25.0	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.8	198.7	198.3	198.7	198.6	197.1	199.0
4	Turbidity, (NTU)	1.00	5.00	1.66	1.95	1.51	1.65	1.75	1.71	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.1	0.2	0.3	0.1	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results :	l								L
7	Total Hardness, (mg/L)	200.00	600.00	148.59	152.61	152.61	152.61	148.59	148.59	152.61
8	Total Alkalinity, (mg/L)	200.00	600.00	139.52	139.52	139.52	139.52	139.52	139.52	143.88
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.80	24.70	24.70	22.80	22.80	22.80	22.80
C.I	Bacteriological Test Results	:								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
	O H D OVED HEAD	   RESERVOIR   N F-N	OT FOUND							<u> </u>

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

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

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

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

**Date of Testing: 16.02.2023** 

### 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: 17.02.2023** 

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of		SOURC	E (PHE SUPPLY)	
110		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	7.48	7.49	7.46	7.48
2	Temperature(degree C)			24.4	24.4	24.4	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.3	199.3	198.7	199.0
4	Turbidity (NTU)	1.00	5.00	1.56	1.37	1.47	1.37
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	152.61	152.61	152.61	152.61
8	Total Alkalinity (mg/L)	200.00	600.00	139.52	139.52	139.52	139.52

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 - I

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (PHE	SUPPLY)			
		(IS 10500-2012)	alternate Source				O.H.R	- I			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AC-48	AA-26
A. I	Physico-chemical Test Result	ts:	1		1						
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.46	7.51	7.52	7.54	7.54	7.56	7.57
2	Temperature(degree C)			24.2	24.4	24.5	24.5	25.1	25.1	25.1	24.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.7	195.7	196.8	195.9	196.6	196.0	195.9	196.1
4	Turbidity (NTU)	1.00	5.00	1.79	1.81	1.89	1.91	1.95	1.93	1.98	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:	,			1			1	1	1	1
7	Total Hardness (mg/L)	200.00	600.00	148.59	144.58	148.59	144.58	144.58	144.58	144.58	144.58
8	Total Alkalinity (mg/L)	200.00	600.00	139.52	139.52	139.52	139.52	139.52	139.52	139.52	139.52

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: 21.02.2023** 

### 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			SOU	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-246
	A. Physico - chemical Test	Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.51	7.56	7.59	7.59	7.61	7.65
2	Temperature(degree C)			24.9	24.9	24.8	24.8	24.8	24.7	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.7	196.8	196.9	196.5	196.5	196.3	196.6
4	Turbidity (NTU)	1.00	5.00	1.97	1.74	1.74	1.81	1.96	1.80	1.36
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.1	0.1	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	l						<u> </u>		
7	Total Hardness (mg/L)	200.00	600.00	140.56	144.58	144.58	144.58	144.58	140.56	144.58
8	Total Alkalinity (mg/L)	200.00	600.00	135.16	139.52	139.52	139.52	139.52	135.16	139.52
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	24.70	26.60	24.70	24.70	24.70	24.70	24.70
C .B	acteriological Test Results :				1					
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: 22.02.2023** 

### 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)

Date of Testing: 22.02.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit SOURCE (PHE SUPPLY) in the absence of								
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - IV				
			(13 14340-2412)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	SNEHODIYA	BB-50	BE-17	BF-58	
A. Pl	nysico-chemical Test Results:						-	•			
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.62	7.60	7.60	7.61	7.59	7.63	
2	Temperature(degree C)			24.5	24.5	24.5	24.5	24.5	24.5	24.5	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	196.1	196.2	196.6	196.6	196.7	196.9	196.7	
4	Turbidity (NTU)	1.00	5.00	1.41	1.77	1.89	1.23	1.23	1.73	1.93	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.4	0.2	0.3	0.2	0.3	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В. С	Chemical Test Results:				<u> </u>			L			
7	Total Hardness (mg/L)	200.00	600.00	132.53	128.51	132.53	128.51	132.53	132.53	132.53	
8	Total Alkalinity (mg/L)	200.00	600.00	139.52	139.52	139.52	139.52	139.52	139.52	139.52	
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	26.60	26.60	26.60	24.70	26.60	26.60	24.70	
C .Ba	acteriological Test Results :			•	· '		•	•			
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	
							1	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

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

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

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

Date of Testing: 23.02.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PHI	E SUPPLY)		
- 1.0		Limit) (IS 10500-2012)	alternate Source			O.H.R	- I		
		(15 10300-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AC- 190	AA- 05	AC-107	AC-50
A. P	hysico-chemical Test Results	:	LL						
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.59	7.61	7.58	7.61	7.59
2	Temperature (degree C)			25.6	25.6	25.7	25.7	25.7	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.7	195.4	195.9	195.7	195.9	195.7
4	Turbidity (NTU)	1.00	5.00	1.70	1.79	1.81	1.74	1.85	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	1	1		1				I
7	Total Hardness (mg/L)	200.00	600.00	144.58	144.58	144.58	144.58	148.59	144.58
8	Total Alkalinity (mg/L)	200.00	600.00	135.16	135.16	135.16	135.16	135.16	135.16
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	24.70	24.70	24.70	24.70	24.70	24.70
C.B	acteriological Test Results :	1	l.		1	L	L	L	l .
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 - VI

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

**Date of Testing: 23.02.2023** 

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (PI	HE SUPPLY)			
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.I	R - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/C/97	CE -74	CE-197	CE/1/C/48	CE/1/C/50
	A. Physico - chemical T	Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.46	7.51	7.52	7.54	7.57	7.55	7.57
2	Temperature(degree C)			25.8	25.6	25.6	25.8	25.9	25.9	26.1	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.4	196.4	197.2	197.2	197.7	196.7	197.2	196.4
4	Turbidity (NTU)	1.00	5.00	1.70	1.72	1.89	1.66	1.71	1.76	1.77	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.3	0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	its:							•		
7	Total Hardness (mg/L)	200.00	600.00	144.58	148.59	148.59	148.59	148.59	144.58	144.58	144.58
8	Total Alkalinity (mg/L)	200.00	600.00	135.16	135.16	135.16	135.16	135.16	135.16	135.16	135.16
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.70	24.70	24.70	24.70	24.70	26.60	24.70	24.70
	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)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

### DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

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

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit				SOURCE (PHE	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 - 13	AE-52	AE-65
A. Pl	nysico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.39	7.45	7.46	7.47	7.50	7.51	7.53
2	Temperature(degree C)			25.6	25.9	25.5	25.4	25.3	25.3	25.3	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.4	196.3	196.5	196.3	196.1	196.1	195.9	196.0
4	Turbidity (NTU)	1.00	5.00	1.97	1.98	1.74	1.89	1.77	1.76	1.74	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.2	0.2	0.2	0.3	0.1
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	144.58	148.59	148.59	148.59	144.58	144.58	140.56	144.58
8	Total Alkalinity (mg/L)	200.00	600.00	139.52	139.52	139.52	139.52	135.16	135.16	135.16	135.16

O.H.R. - OVER HEAD RESERVOIR

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

**Date of Testing: 24.02.2023** 

## ACTION AREA – II (FEBRUARY' 2023)

### 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)

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. Phys	ico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.19	7.18	7.20
2	Temperature (degree C)			24.5	24.5	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	204	203	202
4	Turbidity (NTU)	1.00	5.00	1.80	1.82	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Che	mical Test Results:	,			-	
7	Total Hardness (mg/L)	200.00	600.00	156.47	156.47	152.46
8	Total Alkalinity (mg/L)	200.00	600.00	148.50	148.50	148.50

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: 01.02.2023** 

#### 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)

SI. 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	hysico-chemical Test Results	s:									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.66	7.72	7.72	7.71	7.65	7.69	
2	Temperature (degree C)			25.7	25.7	25.7	25.6	25.6	25.6	25.3	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.7	193.9	192.9	193.1	192.5	192.5	193.7	
4	Turbidity (NTU)	1.00	5.00	1.94	1.44	1.87	1.84	1.34	1.94	1.84	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.1	0.3	0.1	0.1	0.3	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В. (	Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	152.46	156.47	152.46	156.47	156.47	152.46	152.46	
8	Total Alkalinity (mg/L)	200.00	600.00	130.50	135.00	130.50	130.50	135.00	135.00	135.00	

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

**Date of Testing: 08.02.2023** 

### 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 )

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source							
		(== ====,	(IS 10500-2012)		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	7.45	7.60	7.59	7.59			
2	Temperature (degree C)			25.4	25.4	25.3	25.3			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	194.4	193.6	193.5	193.6			
4	Turbidity (NTU)	1.00	5.00	1.22	1.53	1.43	1.63			
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.3	0.2	0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. C	hemical Test Results:	•					•			
7	Total Hardness (mg/L)	200.00	600.00	152.46	156.47	152.46	152.46			
8	Total Alkalinity (mg/L)	200.00	600.00	135.00	135.00	135.00	135.00			

O.H.R. - OVER HEAD RESERVOIR,

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

**Date of Testing: 08.02.2023** 

### 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 – 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	7.56	7.61	7.59	7.58
2	Temperature (degree C)			25.3	25.3	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.4	192.9	192.9	192.9
4	Turbidity (NTU)	1.00	5.00	1.91	1.48	1.62	1.40
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B.	Chemical Test Results:					,	
7	Total Hardness (mg/L)	200.00	600.00	152.46	156.47	152.46	152.46
8	Total Alkalinity (mg/L)	200.00	600.00	135.00	135.00	135.00	135.00

O.H.R. - OVER HEAD RESERVOIR

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

**Date of Testing: 08.02.2023** 

## 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)  AA – IIG, O.H.R – 18				
		(Acceptable Limit)	in the absence of alternate Source					
		(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	7.27	7.37	7.40		
2	Temperature (degree C)			24.5	24.5	24.5		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.1	189.1	188.5		
4	Turbidity (NTU)	1.00	5.00	1.51	1.46	1.51		
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.2	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cher	nical Test Results:	1						
7	Total Hardness (mg/L)	200.00	600.00	156.47	156.47	156.47		
8	Total Alkalinity (mg/L)	200.00	600.00	112.50	112.50	112.50		
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	20.90	20.90	20.90		
C. Bacte	riological Test Results:	<u>.</u>	<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: 13.02.2023** 

# 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: 17.02.2023

SI. No	Characteristic	Requirement			SOURCE (PHE SUPPLY)				
		(IS 10500-2012)	in the absence of 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							
1	pH Value.	6.5-8.5	6.5-8.5	7.53	7.52	7.55			
2	Temperature (degree C)			24.5	24.5	23.9			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	199.0	198.5	198.7			
4	Turbidity (NTU)	1.00	5.00	1.74	1.80	1.44			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
3. (	Chemical Test Results:	1							
7	Total Hardness (mg/L)	200.00	600.00	148.59	152.61	152.61			
8	Total Alkalinity (mg/L)	200.00	600.00	139.52	139.52	139.52			

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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of									
		(IS 10500-2012)	alternate Source	ernate Source AA – IIB, 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	hysico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.41	7.35	7.36	7.39	7.40	7.35	7.33	
2	Temperature (degree C)			25.2	25.2	24.9	25.0	24.8	24.8	24.8	24.8	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.6	199.7	199.8	199.9	199.6	200.0	200.0	199.7	
4	Turbidity (NTU)	1.00	5.00	1.56	1.68	1.89	1.87	1.91	1.88	1.41	1.61	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.2	0.3	0.3	0.4	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	148.59	152.61	152.61	152.61	152.61	152.61	152.61	148.59	
8	Total Alkalinity (mg/L)	200.00	600.00	130.80	135.16	139.52	139.52	139.52	139.52	139.52	139.52	

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: 17.02.2023** 

#### 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	(Acceptable Limit)		sible Limit SOURCE (PHE SUPPLY) absence of									
		(IS 10500-2012) alternate Source (IS 10500-2012)				AA	– IIC, O.H.R - 13	-13					
			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	7.46	7.54	7.51	7.52	7.55	7.60	7.61			
2	Temperature (degree C)			26.0	26.0	26.0	26.1	25.9	26.1	26.0			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.7	196.6	196.0	196.3	196.6	196.7	196.1			
4	Turbidity (NTU)	1.00	5.00	1.86	1.82	1.89	1.87	1.72	1.62	1.89			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.4	0.3	0.2	0.4			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
В. (	Chemical Test Results:												
7	Total Hardness (mg/L)	200.00	600.00	144.58	148.59	144.58	144.58	148.59	148.59	144.58			
8	Total Alkalinity (mg/L)	200.00	600.00	135.16	139.52	135.16	135.16	139.52	139.52	135.16			
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	26.60	26.60	26.60	24.70	26.60	26.60	26.60			
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: 27.02.2023** 

### 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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)						
		(IS 10500-2012)	alternate Source (IS 10500-2012)	AA – IID, 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	7.62	7.63	7.59	7.56			
2	Temperature (degree C)			25.8	26.1	26.0	25.8			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.5	196.2	196.2	196.1			
4	Turbidity (NTU)	1.00	5.00	1.89	1.76	1.89	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	1	1		1			
7	Total Hardness (mg/L)	200.00	600.00	144.58	144.58	144.58	144.58			
8	Total Alkalinity (mg/L)	200.00	600.00	139.52	139.52	139.52	139.52			
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	26.60	26.60	26.60	26.60			
C. Ba	cteriological Test Results:	1		1	1		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: 27.02.2023** 

## 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 – 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					
110		(IS 10500-2012)	alternate Source						
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION		
A. P	Physico-chemical Test Result	s:							
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.45	7.60	7.61		
2	Temperature (degree C)			26.2	26.0	26.1	26.0		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	198.0	196.2	196.5	196.2		
4	Turbidity (NTU)	1.00	5.00	1.81	1.66	1.79	1.80		
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:				1				
7	Total Hardness (mg/L)	200.00	600.00	148.59	144.58	144.58	144.58		
8	Total Alkalinity (mg/L)	200.00	600.00	139.52	135.16	139.52	139.52		
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	26.60	26.60	26.60	26.60		
C. 1	Bacteriological 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: 27.02.2023**