<u>WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF</u> <u>NEW TOWN KOLKATA PROJECT, DURING MONTH</u> <u>AUGUST' 2023</u>

# <u>ACTION AREA – I</u> (AUGUST' 2023)

### TEST REPORT: <u>AA – I, O.H.R – VII</u>

Sub. : <u>Water Testing (Physico-chemical & Chemical)</u>

Date of Testing: 01.08.2023

Sl. No	Characteristic	Requirement	Permissible Limit	SOURCE (PHE SUPPLY)								
110		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	O.H.R - VII								
		(13 10300-2012)	(13 10300-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF-94	DC-248			
A. P	hysico-chemical Test Re	sults:	1					11				
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.33	7.40	7.42	7.41	7.40			
2	Temperature(degree C)			26.4	26.4	26.3	26.5	26.4	26.3			
3	Total Dissolved Solid.	500.00	2000.00	129.6	129.5	130.2	129.9	129.8	129.9			
4	Turbidity, (NTU)	1.00	5.00	1.48	1.42	1.50	1.35	1.81	1.45			
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.4	0.1	0.1	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. (	Chemical Test Results:		1		1	1		11				
7	Total Hardness, (mg/L)	200.00	600.00	105.14	105.14	105.14	105.14	105.14	105.14			
8	Total Alkalinity, (mg/L)	200.00	600.00	78.12	78.12	78.12	78.12	78.12	78.12			

**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.

.

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

#### Characteristic Permissible Limit SOURCE (PHE SUPPLY) SI. Requirement No (Acceptable in the absence of O.H.R - VIII Limit) alternate Source (IS 10500-2012) INLET OF **OUTLET OF DA-30** DC-23 **DA-88 DB-222** DA-57 DA-27 (IS 10500-2012) O.H.R. O.H.R. A. Physico-chemical Test Results: 1 pH Value. 7.30 7.35 7.38 7.39 7.38 7.37 7.36 7.34 6.5-8.5 6.5-8.5 26.2 26.1 26.2 2 **Temperature (degree C)** 26.1 26.2 26.3 26.3 26.3 --------Total Dissolved Solid. 130.5 130.0 129.7 131.4 129.9 129.4 129.7 129.5 3 2000.00 500.00 Turbidity. (NTU) 0.91 1.14 1.58 1.21 1.37 1.23 1.35 1.19 4 1.00 5.00 **Residual Free Chlorine** 0.4 0.1 0.2 0.3 0.3 0.2 0.1 5 0.6 0.20 1.00 6 Odour Agreeable **B.** Chemical Test Results: 7 Total Hardness. (mg/L) 105.14 109.18 109.18 105.14 105.14 105.14 105.14 105.14 200.00 600.00 8 Total Alkalinity. (mg/L) 82.46 82.46 78.12 78.12 78.12 78.12 78.12 78.12 200.00 600.00

**O.H.R. – OVER HEAD RESERVOIR** 

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

Date of Testing: 01.08.2023

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

Sub. : <u>Water Testing (Physico-Chemical , Chemical & Bacteriological)</u>

Date of Testing: 02.08.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence			S	OURCE (PHE	SUPPLY)			
		Limit) (IS 10500-2012)	of alternate Source				O.H.R -	IV			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BF-34	BD-102
A. P	nysico-chemical Test Results	:			<u> </u>						
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.32	7.34	7.37	7.38	7.40	7.41	7.39
2	Temperature(degree C)			26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.7	129.1	129.9	129.9	129.8	129.2	129.3	129.2
4	Turbidity (NTU)	1.00	5.00	0.62	0.88	1.05	0.90	0.83	0.94	0.75	1.26
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.2	0.3	0.4	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results:								1		
7	Total Hardness (mg/L)	200.00	600.00	113.23	113.23	113.23	113.23	113.23	113.23	113.23	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	82.46	82.46	82.46	82.46	82.46	82.46	82.46	82.46
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	16.84	16.84	16.84	16.84	16.84	16.84	16.84	16.84
C.B	acteriological 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
			1								

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

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

### TEST REPORT: ACTION AREA -I

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

Date of Testing: 02.08.2023

SI. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURC	E (PHE SUPPLY)	
		Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Ph	ysico-chemical Test Results:	I					
1	pH Value.	6.5-8.5	6.5-8.5	7.22	7.28	7.29	7.31
2	Temperature(degree C)			26.3	26.3	26.4	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.5	129.6	129.4	129.5
4	Turbidity (NTU)	1.00	5.00	1.17	1.20	1.15	1.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:		1 1				
7	Total Hardness (mg/L)	200.00	600.00	113.23	113.23	113.23	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	86.80	86.80	86.80	82.46
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	16.84	16.84	16.84	16.84
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

### TEST REPORT: <u>AA – I, O.H.R – X</u>

Sub. : <u>Water Testing (Physico-Chemical , Chemical & Bacteriological)</u>

Date of Testing: 03.08.2023

SI. No	Characteristic	Requirement	Permissible Limit		SOURCE (PH	E SUPPLY)	
NO		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source		O.H.F	R - X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Phy	ysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.16	7.18	7.19	7.21
2	Temperature(degree C)			26.1	26.1	26.2	26.3
3	Total Dissolved Solid(mg/L)	500.00	2000.00	129.9	130.7	130.9	130.5
4	Turbidity, (NTU)	1.00	5.00	1.49	1.80	1.63	1.48
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	113.23	117.28	117.28	113.23
8	Total Alkalinity, (mg/L)	200.00	600.00	82.46	82.46	82.46	82.46
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	16.84	16.84	16.84	16.84
C.Ba	cteriological Test Results :		11			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.

### TEST REPORT: <u>AA – I, O.H.R – IX</u>

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

Date of Testing: 03.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit			SOURCE (PHE SUP	PLY)	
INO	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
A. P	hysico-chemical Test Results:					·		
1	pH Value.	6.5-8.5	6.5-8.5	7.20	7.21	7.19	7.17	7.16
2	Temperature(degree C)			26.4	26.4	26.3	26.3	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	130.1	129.5	129.4	129.5	129.9
4	Turbidity, (NTU)	1.00	5.00	1.64	1.87	1.33	1.97	1.41
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	117.28	113.23	117.28	117.28	117.28
8	Total Alkalinity, (mg/L)	200.00	600.00	82.46	82.46	82.46	82.46	82.46
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	16.84	16.84	16.84	16.84	16.84
C.B	acteriological Test Results :	1 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.

### TEST REPORT: <u>AA – I, O.H.R – VII</u>

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

Date of Testing: 09.08.2023

Sl.	Characteristic	Requirement	Permissible Limit			SOUR	CE (PHE SUPPL	<b>Y</b> )		
No		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)				O.H.R - VII			
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DC-187
A. P	hysico-chemical Test Result	s:								
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.19	7.21	7.17	7.20	7.28	7.31
2	Temperature(degree C)			26.3	26.3	26.3	26.2	26.1	26.1	26.0
3	Total Dissolved Solid.	500.00	2000.00	139.1	139.3	139.3	138.9	139.2	138.7	138.9
4	Turbidity, (NTU)	1.00	5.00	1.54	1.65	1.78	1.19	1.69	1.45	1.62
5	<b>Residual Free Chlorine</b>	0.20	1.00	0.4	0.6	0.4	0.1	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results:	•						•	•	
7	Total Hardness, (mg/L)	200.00	600.00	113.23	117.27	117.27	117.27	117.27	117.27	117.27
8	Total Alkalinity, (mg/L)	200.00	600.00	86.80	86.80	86.80	86.80	86.80	86.80	86.80
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	16.84	16.84	16.84	16.84	16.84	16.84	16.84
C.B	acteriological Test Results :				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.

TEST REPORT: AA - I. O.H.R - VIII

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

#### Characteristic SOURCE (PHE SUPPLY) SI. Requirement **Permissible Limit** No (Acceptable Limit) in the absence of O.H.R - VIII (IS 10500-2012) alternate Source **INLET OF** OUTLET DC-23 **DB-222** (IS 10500-2012) DA-30 **DA-88** O.H.R. OF O.H.R. A. Physico-chemical Test Results: pH Value. 7.32 7.30 7.31 7.34 7.33 7.34 1 6.5-8.5 6.5-8.5 2 **Temperature (degree C)** ---------26.0 26.0 26.1 26.0 26.1 26.1 3 **Total Dissolved Solid.** 138.6 138.2 138.2 138.5 138.1 137.9 500.00 2000.00 Turbidity (NTU) 1.36 1.82 1.21 1.18 1.31 1.07 4 1.00 5.00 5 **Residual Free Chlorine** 0.4 0.4 0.2 0.3 0.3 0.4 0.20 1.00 Odour Agreeable 6 Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: 7 Total Hardness. (mg/L) 113.23 113.23 113.23 117.27 113.23 113.23 200.00 600.00 8 Total Alkalinity. (mg/L) 86.80 86.80 86.80 86.80 86.80 86.80 200.00 600.00 9 Iron (as Fe), mg/L <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 1.0 No Relaxation 10 Chloride (mg/L) 16.84 16.84 16.84 16.84 16.84 16.84 250.00 1000.00 C. Bacteriological Test Results : 11 Total Coliform (CFU/100 ml) Absent NF NF NF NF NF NF Absent Fecal Coliform (CFU/100 ml) 12 NF NF NF NF NF NF Absent Absent

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: 09.08.2023

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

Sub. : <u>Water Testing (Physico-chemical & Chemical)</u>

Date of Testing: 10.08.2023

Sl. No	(Acc	Requirement (Acceptable	Permissible Limit	SOURCE (PHE SUPPLY)									
		Limit)	in the absence				О.Н.	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	AB-101	AE-52		
A. Pl	vysico-chemical Test Results:	:											
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.20	7.19	7.16	7.15	7.18	7.21	7.23		
2	Temperature(degree C)			26.1	26.1	26.1	26.2	26.2	26.3	26.3	26.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.9	138.2	138.3	138.4	138.1	137.8	138.2	138.1		
4	Turbidity (NTU)	1.00	5.00	1.45	1.25	1.18	1.16	1.54	1.35	1.38	1.57		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.2	0.2	0.3	0.4	0.2	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
<b>B.</b> C	Chemical Test Results:							1					
7	Total Hardness (mg/L)	200.00	600.00	113.23	113.23	113.23	113.23	113.23	109.18	113.23	113.23		
8	Total Alkalinity (mg/L)	200.00	600.00	95.48	95.48	95.48	95.48	95.48	95.48	95.48	95.48		

O.H.R. - OVER HEAD RESERVOIR

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

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

### **TEST REPORT:** ACTION AREA - I, O.H.R – V

Sub. : <u>Water Testing (Physico-Chemical & Chemical)</u>

Date of Testing: 11.08.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source				SOURCE (PI	,			
		(IS 10500- 2012)	(IS 10500-2012)				O.H.I	R - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA-246	CA-239
А.	Physico - chemical Test Results	5:									
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.44	7.34	7.40	7.41	7.44	7.46	7.50
2	Temperature (degree C)			25.8	25.9	26.7	26.2	26.2	26.2	26.0	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.7	140.8	140.3	140.0	140.3	140.3	140.1	140.1
4	Turbidity (NTU)	1.00	5.00	0.90	1.10	0.97	0.80	0.71	1.04	1.20	1.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.4	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results:				•			•	•		
7	Total Hardness (mg/L)	200.00	600.00	113.23	117.28	117.28	117.28	117.28	117.28	117.28	117.28
8	Total Alkalinity (mg/L)	200.00	600.00	95.48	95.48	95.48	95.48	95.48	95.48	95.48	95.48

**O.H.R. – OVER HEAD RESERVOIR,** 

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

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

Sub. : <u>Water Testing (Physico-chemical & Chemical)</u>

Date of Testing: 11.08.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SO	URCE (PHE SUP	PPLY)		
		Limit) (IS 10500-2012)	in the absence of alternate				O.H.R - VI			
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE-74	CE-197	CE-75
	A. Physico - Chemical	Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.45	7.48	7.48	7.48	7.52	7.52
2	Temperature(degree C)			26.2	26.2	26.1	26.1	26.4	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	140.2	140.3	140.0	139.9	140.2	139.2	140.1
4	Turbidity (NTU)	1.00	5.00	1.25	0.79	1.01	1.06	0.72	1.05	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resu	lts:								
7	Total Hardness (mg/L)	200.00	600.00	113.23	113.23	113.23	113.23	113.23	113.23	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	95.48	95.48	95.48	95.48	95.48	95.48	95.48

**O.H.R. – OVER HEAD RESERVOIR,** 

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

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

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

Sub. : <u>Water Testing (Physico-chemical & Chemical)</u>

Date of Testing: 14.08.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (P	HE SUPPLY)			
		(IS 10500-2012)	alternate Source (IS 10500-2012)				О.Н	.R - I			
			(15 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AD-26	AA-03
A. F	Physico-chemical Test Result	is:	11								
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.31	7.85	7.29	7.31	7.30	7.31	7.35
2	Temperature (degree C)			26.7	26.6	26.6	26.6	26.6	26.6	26.6	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.9	138.2	138.6	138.4	138.6	138.5	137.9	137.6
4	Turbidity (NTU)	1.00	5.00	1.46	1.98	1.67	1.82	1.36	1.75	1.87	1.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.4	0.4	0.3	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	109.18	109.18	109.18	109.18	109.18	109.18	109.18	109.18
8	Total Alkalinity (mg/L)	200.00	600.00	86.80	86.80	91.14	91.14	91.14	91.14	86.80	86.80

**O.H.R. – OVER HEAD RESERVOIR** 

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

### TEST REPORT: <u>ACTION AREA –I</u> Sub. :Water Testing (Physico-Chemical & Chemical)

Date of Testing: 14.08.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of		SOURC	E (PHE SUPPLY)	
		(Interpression Limit) (IS 10500-2012)	alternate Source (IS 10500-2012)	HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Pł	ysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.37	7.39	7.41
2	Temperature(degree C)			26.8	26.7	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	140.6	141.5	140.1	141.4
4	Turbidity (NTU)	1.00	5.00	1.87	1.68	1.93	1.48
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B.</b> C	hemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	113.23	113.23	113.23	113.23
8	Total Alkalinity (mg/L)	200.00	600.00	86.80	86.80	86.80	86.80

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.

### TEST REPORT: <u>ACTION AREA - I , O.H.R - V</u>

Sub. : <u>Water Testing</u> (Physico-Chemical , Chemical & Bacteriological)

Date of Testing: 24.08.2023

SI. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence -								
10		Limit)	of alternate			O.H.R	R - V				
		(IS 10500-2012)	Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-36	CB-08		
	A. Physico - chemical Test	Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.05	7.08	7.11	7.12	7.13	7.10		
2	Temperature(degree C)			26.1	26.1	26.0	26.0	26.0	26.0		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.4	136.7	137.2	136.6	136.5	136.1		
4	Turbidity (NTU)	1.00	5.00	1.41	1.38	1.24	1.66	1.78	1.57		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.1	0.4	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	Chemical Test Results:		L L				I				
7	Total Hardness (mg/L)	200.00	600.00	121.44	117.39	113.34	109.30	109.30	109.30		
8	Total Alkalinity (mg/L)	200.00	600.00	99.00	99.00	99.00	94.50	94.50	94.50		
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	18.85	16.97	16.97	16.97	16.97	16.97		
С.В	acteriological Test Results :	1	1 L		1	1	1	I			
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF		

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

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

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

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

Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological</u>)

Date of Testing: 24.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUR	CE (PHE SUPP	LY)		
		(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/A/123
	A. Physico - chemical T	est Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.18	7.16	7.19	7.16	7.17	7.16
2	Temperature(degree C)			26.0	26.1	26.1	26.2	26.2	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.2	136.7	136.8	136.9	137.0	136.9	136.8
4	Turbidity (NTU)	1.00	5.00	1.48	1.39	1.24	1.45	1.18	1.54	1.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.4	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:			1					
7	Total Hardness (mg/L)	200.00	600.00	117.39	117.39	113.34	109.30	113.34	113.34	109.30
8	Total Alkalinity (mg/L)	200.00	600.00	94.50	94.50	94.50	94.50	94.50	94.50	94.50
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	16.97	16.97	16.97	16.97	16.97	16.97	16.97
	C. Bacteriological Test Results	:	·							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

### TEST REPORT: <u>AA – I, O.H.R – X</u>

### Sub. : <u>Water Testing (Physico-Chemical & Chemical)</u>

Date of Testing: 25.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit		SOURCE (F	PHE SUPPLY)	
INU		(IS 10500-2012)	in the absence of alternate Source		0.H	I.R - X	
			(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	7.71	7.70	7.72	7.74
2	Temperature(degree C)			26.3	26.3	26.3	26.3
3	Total Dissolved Solid(mg/L)	500.00	2000.00	134.6	134.9	135.0	136.0
4	Turbidity, (NTU)	1.00	5.00	1.85	1.95	1.83	1.86
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	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	113.34	109.30	113.34	113.34
8	Total Alkalinity, (mg/L)	200.00	600.00	94.50	94.50	94.50	94.50

**O.H.R. – OVER HEAD RESERVOIR** 

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

## TEST REPORT: <u>AA – I, O.H.R – IX</u>

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

Date of Testing: 25.08.2023

Sl. No	Characteristic	Requirement	Permissible Limit		S	OURCE (PHE SUP	PLY)	
INO	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	7.79	7.80	7.81	7.80	7.82
2	Temperature(degree C)			26.2	26.2	26.3	26.4	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	135.2	134.8	134.8	134.6	134.9
4	Turbidity, (NTU)	1.00	5.00	1.83	1.90	1.94	1.95	1.81
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B.</b> C	Chemical Test Results:	· · · · · · · · · · · · · · · · · · ·		-				
7	Total Hardness, (mg/L)	200.00	600.00	109.30	109.30	109.30	109.30	109.30
8	Total Alkalinity, (mg/L)	200.00	600.00	94.50	99.00	94.50	94.50	94.50

**O.H.R. – OVER HEAD RESERVOIR** 

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

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

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

Date of Testing: 28.08.2023

51. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PH	E SUPPLY)		
		Limit)	alternate Source			O.H.R	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
A. Ph	ysico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.49	7.46	7.42	7.40	7.39	7.38
2	Temperature(degree C)			26.3	26.3	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.5	133.9	134.4	134.3	134.4	134.2
4	Turbidity (NTU)	1.00	5.00	1.83	1.65	1.79	1.85	1.71	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
			-	_	-	_	_		-
в. с	hemical Test Results:			-	_	-	-		
<b>B.</b> C	hemical Test Results: Total Hardness (mg/L)	200.00	600.00	109.30	113.34	113.34	113.34	109.30	109.30
		200.00 200.00	600.00	109.30 94.50	113.34 94.50	113.34 94.50	113.34 94.50	109.30	109.30
7	Total Hardness (mg/L)								
7 8	Total Hardness (mg/L) Total Alkalinity (mg/L)	200.00	600.00	94.50	94.50	94.50	94.50	90.00	90.00
7 8 9 10	Total Hardness (mg/L) Total Alkalinity (mg/L) Iron(as Fe), mg/L	200.00 1.0	600.00 No Relaxation	94.50 <0.1	94.50 <0.1	94.50 <0.1	94.50 <0.1	90.00 <0.1	90.00
7 8 9 10	Total Hardness (mg/L) Total Alkalinity (mg/L) Iron(as Fe), mg/L Chloride (mg/L)	200.00 1.0	600.00 No Relaxation	94.50 <0.1	94.50 <0.1	94.50 <0.1	94.50 <0.1	90.00 <0.1	90.00

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

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

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

Date of Testing: 28.08.2023

SI. 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	OUTLET OF	AI/1/C/28	AI-67	AL/1/C/40	AI/153/18	AI-54
A 1		4		O.H.R	O.H.R					
A. I	Physico-chemical Test Resul	ls :								
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.41	7.42	7.40	7.39	7.38	7.40
2	Temperature(degree C)			26.2	26.2	26.2	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.7	135.1	135.9	135.3	135.3	134.8	134.7
4	Turbidity, (NTU)	1.00	5.00	1.75	1.78	1.81	1.87	1.83	1.96	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.8	0.4	0.3	0.2	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results :	1								
7	Total Hardness, (mg/L)	200.00	600.00	109.30	113.34	109.30	109.30	109.30	109.30	109.30
8	Total Alkalinity, (mg/L)	200.00	600.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97	16.97
С.І	Bacteriological Test Results	•								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

Sub. : <u>Water Testing (Physico-chemical ,Chemical & Bacteriological)</u>

Date of Testing: 31.08.2023

	RequirementPermissible Limit(Acceptablein the absence of			SOURCE (PHE SUPPLY)								
	Limit)	alternate Source				0.H.R - I						
	(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC-50	AC-190			
ysico-chemical Test Results	:					I						
pH Value.	6.5-8.5	6.5-8.5	7.67	7.63	7.74	7.81	7.86	7.81	7.81			
Temperature (degree C)			26.9	26.8	26.8	26.9	26.4	26.7	26.6			
Total Dissolved Solid (mg/L)	500.00	2000.00	133.5	133.6	134.7	134.0	134.5	134.0	134.0			
Turbidity (NTU)	1.00	5.00	1.97	1.90	1.65	1.44	1.59	1.30	1.88			
Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.1	0.1	0.1	0.2	0.3			
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
hemical Test Results:						I	I					
Total Hardness (mg/L)	200.00	600.00	105.25	105.25	109.30	109.30	109.30	109.30	109.30			
Total Alkalinity (mg/L)	200.00	600.00	103.50	99.00	99.00	99.00	99.00	99.00	99.00			
Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97	16.97			
acteriological Test Results :				ıI		1		1	L			
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF			
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF			
	pH Value. Temperature (degree C) Total Dissolved Solid (mg/L) Turbidity (NTU) Residual Free Chlorine (mg/L) Odour Chemical Test Results: Total Hardness (mg/L) Total Alkalinity (mg/L) Iron(as Fe), mg/L Chloride (mg/L) neteriological Test Results : Total Coliform (CFU/100 ml)	nysico-chemical Test Results:pH Value.6.5-8.5Temperature (degree C)Total Dissolved Solid (mg/L)500.00Turbidity (NTU)1.00Residual Free Chlorine (mg/L)0.20OdourAgreeableChemical Test Results:Total Hardness (mg/L)200.00Total Alkalinity (mg/L)200.00Iron(as Fe), mg/L1.0Chloride (mg/L)250.00acteriological Test Results :Total Coliform (CFU/100 ml)Absent	(13 10300-2012)(13 10300-2012)nysico-chemical Test Results:pH Value.6.5-8.56.5-8.5Temperature (degree C)Total Dissolved Solid (mg/L)500.002000.00Turbidity (NTU)1.005.00Residual Free Chlorine (mg/L)0.201.00OdourAgreeableAgreeableChemical Test Results:200.00600.00Total Hardness (mg/L)200.00600.00Iron(as Fe), mg/L1.0No RelaxationChloride (mg/L)250.001000.00acteriological Test Results :Total Coliform (CFU/100 ml)AbsentAbsent	Instant of the form of the	Instance         Instance         Instance         OUTLET OF O.H.R.         OUTLET OF O.H.R.           nysico-chemical Test Results:         6.5-8.5         6.5-8.5         7.67         7.63           remperature (degree C)           26.9         26.8           Total Dissolved Solid (mg/L)         500.00         2000.00         133.5         133.6           Turbidity (NTU)         1.00         5.00         1.97         1.90           Residual Free Chlorine (mg/L)         0.20         1.00         0.2         0.3           Odour         Agreeable         Agreeable         Agreeable         Agreeable           Chemical Test Results:         200.00         600.00         105.25         105.25           Total Hardness (mg/L)         200.00         600.00         103.50         99.00           Iron(as Fe), mg/L         1.0         No Relaxation         <0.1	(I.S. 10500-2012)         INLET OF O.H.R.         OUTLET OF O.H.R.         AD - 17           pysico-chemical Test Results:	Instrume         Instrume         Instrume         Instrume         Output         AD - 17         AA - 05           Pysico-chemical Test Results:         pH Value.         6.5-8.5         6.5-8.5         7.67         7.63         7.74         7.81           Temperature (degree C)           26.9         26.8         26.8         26.9           Total Dissolved Solid (mg/L)         500.00         2000.00         133.5         133.6         134.7         134.0           Turbidity (NTU)         1.00         5.00         1.97         1.90         1.65         1.44           Residual Free Chlorine (mg/L)         0.20         1.00         0.2         0.3         0.1         0.1           Odour         Agreeable         Agreeable         Agreeable         Agreeable         Agreeable         Agreeable           Total Hardness (mg/L)         200.00         600.00         105.25         105.25         109.30         109.30           Total Alkalinity (mg/L)         200.00         600.00         103.50         99.00         99.00         99.00           Iron(as Fe), mg/L         1.0         No Relaxation         <0.1	Image: Construct of the second of t	Karlow (K)         (K)			

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

# <u>ACTION AREA – II</u> (AUGUST' 2023)

### TEST REPORT: AA – IIG, O.H.R – 18

Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological)</u>

Date of Testing: 03.08.2023

Sl. No	Characteristic	Requirement	Permissible Limit	SOURCE (P	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	7.17	7.26
2	Temperature (degree C)			26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.2	129.4
4	Turbidity (NTU)	1.00	5.00	1.54	1.63
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Cher	nical Test Results:	· · ·			
7	Total Hardness (mg/L)	200.00	600.00	117.28	117.28
8	Total Alkalinity (mg/L)	200.00	600.00	82.46	82.46
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.84	16.84
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.

### TEST REPORT: <u>AA – II C, O.H.R – 13</u>

### Sub. : <u>Water Testing (Physico-Chemical & Chemical)</u>

Date of Testing: 04.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUR	CE (PHE SUPPL	Y)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			AA	– IIC, O.H.R - 13			
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. P	Physico-chemical Test Result	S:				-				
1	pH Value.	6.5-8.5	6.5-8.5	7.19	7.21	7.28	7.30	7.31	7.32	7.30
2	Temperature (degree C)			26.4	26.4	26.4	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.1	130.1	129.6	129.8	130.4	130.1	129.8
4	Turbidity (NTU)	1.00	5.00	1.12	1.33	1.24	1.06	1.46	1.59	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.3	0.2	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	117.28	117.28	117.28	117.28	117.28	117.28	117.28
8	Total Alkalinity (mg/L)	200.00	600.00	82.46	82.46	82.46	82.46	82.46	82.46	82.46

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

### TEST REPORT: <u>AA – II D, O.H.R – 11</u>

Sub. : <u>Water Testing (Physico-chemical & Chemical )</u>

Date of Testing: 04.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY) AA – IID, O.H.R -11					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA		
A. Ph	ysico-Chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.25	7.22	7.24		
2	Temperature (degree C)			26.3	26.4	26.3	26.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.3	130.2	130.4	130.3		
4	Turbidity (NTU)	1.00	5.00	1.47	0.97	1.21	1.15		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.4	0.4		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:	1	1		1		1		
7	Total Hardness (mg/L)	200.00	600.00	105.14	105.14	109.18	109.18		
8	Total Alkalinity (mg/L)	200.00	600.00	86.80	86.80	86.80	86.80		

**O.H.R. – OVER HEAD RESERVOIR** 

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

### TEST REPORT: AA – II A, O.H.R-17

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

Date of Testing: 18.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (PH	IE SUPPLY)	
		(IS 10500-2012)	(IS 10500-2012) alternate Source		AA – IIA,	O.H.R-17	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY	CBD
A. P	hysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.22	7.24	7.26	7.30
2	Temperature (degree C)			26.3	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.1	137.9	138.4	138.6
4	Turbidity (NTU)	1.00	5.00	1.74	1.35	1.63	1.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	113.34	109.30	113.34	113.34
8	Total Alkalinity (mg/L)	200.00	600.00	94.50	94.50	94.50	94.50

**O.H.R. – OVER HEAD RESERVOIR,** 

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

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

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

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

Date of Testing: 18.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (I	PHE SUPPLY)			
		(IS 10500-2012)	alternate Source				AA – III	B, O.H.R-15			
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	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	7.15	7.18	7.21	7.20	7.21	7.24	7.22	7.19
2	Temperature (degree C)			26.1	26.1	26.0	26.0	26.0	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.5	137.4	137.9	138.9	137.2	138.5	137.1	138.9
4	Turbidity (NTU)	1.00	5.00	1.33	1.15	1.09	1.44	1.25	1.55	1.41	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.1	0.1	0.2	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:	I	I	I			1	I	I		I
7	Total Hardness (mg/L)	200.00	600.00	113.34	113.34	113.34	117.39	113.34	113.34	109.30	113.34
8	Total Alkalinity (mg/L)	200.00	600.00	99.00	90.00	90.00	90.00	90.00	90.00	85.50	90.00

**O.H.R. – OVER HEAD RESERVOIR** 

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

### TEST REPORT: <u>AA – II C, O.H.R – 13</u>

Sub. : <u>Water Testing (Physico-Chemical, Chemical & Bacteriological)</u>

Date of Testing: 22.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)				RCE (PHE SUPPL				
		(IS 10500-2012)	alternate Source (IS 10500-2012)			AA	– IIC, O.H.R - 13			
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. P	hysico-chemical Test Result	s:				-		·		
1	pH Value.	6.5-8.5	6.5-8.5	7.08	7.08	7.09	7.09	7.11	7.15	7.18
2	Temperature (degree C)			26.4	26.4	26.4	26.3	26.3	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.4	137.5	137.8	137.2	137.2	137.5	136.7
4	Turbidity (NTU)	1.00	5.00	1.26	1.37	1.60	1.58	1.56	1.53	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.1	0.3	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (	Chemical Test Results:				<u> </u>		1		1	I
7	Total Hardness (mg/L)	200.00	600.00	109.30	105.25	109.30	109.30	109.30	109.30	109.30
8	Total Alkalinity (mg/L)	200.00	600.00	99.00	94.50	99.00	99.00	99.00	99.00	99.00
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97	16.97	16.97	16.97	16.97
<b>C.</b> ]	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									

N.F- NOT FOUND,

### TEST REPORT: <u>AA – II D, O.H.R – 11</u>

Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological)</u>

Date of Testing: 22.08.2023

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	7.38	7.36	7.34	7.35		
2	Temperature (degree C)			26.5	26.5	26.6	26.7		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.2	137.6	137.3	137.2		
4	Turbidity (NTU)	1.00	5.00	1.64	1.29	1.36	1.69		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:	1							
7	Total Hardness (mg/L)	200.00	600.00	105.25	109.30	109.30	109.30		
8	Total Alkalinity (mg/L)	200.00	600.00	94.50	94.50	94.50	94.50		
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	16.97	18.85	16.97	16.97		
C. Ba	acteriological 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.

### TEST REPORT: <u>AA – II D, O.H.R – 12</u>

Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological)</u>

Date of Testing: 22.08.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)       AA – IID, O.H.R - 12						
		(IS 10500-2012)	alternate Source							
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION			
A. P	hysico-chemical Test Result	s:								
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.34	7.36	7.32			
2	Temperature (degree C)			26.4	26.3	26.3	26.3			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.9	137.8	137.5	137.7			
4	Turbidity (NTU)	1.00	5.00	1.68	1.73	1.47	1.80			
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.1			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
<b>B.</b>	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	109.30	105.25	105.25	109.30			
8	Total Alkalinity (mg/L)	200.00	600.00	94.50	99.00	99.00	99.00			
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	16.97	16.97	16.97	16.97			
С. І	<b>Bacteriological Test Results:</b>					· · ·				
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

### TEST REPORT: <u>AA – IIG, O.H.R – 18</u>

Sub. : <u>Water Testing (Physico-chemical & Chemical)</u>

Date of Testing: 25.08.2023

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	7.89	7.87			
2	Temperature (degree C)			26.2	26.2			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.1	134.3			
4	Turbidity (NTU)	1.00	5.00	1.91	1.92			
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable			
B. Cher	mical Test Results:	1						
7	Total Hardness (mg/L)	200.00	600.00	105.25	101.20			
8	Total Alkalinity (mg/L)	200.00	600.00	103.50	99.00			

**O.H.R. – OVER HEAD RESERVOIR** 

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

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

### TEST REPORT: <u>AA – II A, O.H.R – 17</u>

Sub. : <u>Water Testing (Physico-chemical , Chemical & Bacteriological)</u>

Date of Testing: 29.08.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY) AA – IIA, O.H.R – 17						
		(IS 10500-2012)	alternate Source							
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER	CBD			
A. Pl	hysico-chemical Test Results:					I				
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.42	7.45	7.50			
2	Temperature (degree C)			26.6	26.5	26.7	26.7			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.8	134.8	134.1	134.2			
4	Turbidity (NTU)	1.00	5.00	1.71	1.88	1.95	1.98			
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. C	Chemical Test Results:				· · ·	·				
7	Total Hardness (mg/L)	200.00	600.00	109.30	105.25	105.25	105.25			
8	Total Alkalinity (mg/L)	200.00	600.00	94.50	99.00	99.00	99.00			
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1			
10	Chloride (mg/L)	250.00	1000.00	15.08	15.08	15.08	15.08			
С.Ва	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.

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

Sub. : <u>Water Testing (Physico-chemical , Chemical & Bacteriological)</u>

Date of Testing: 29.08.2023

SI. No		Requirement (Acceptable Limit) (IS 10500-2012)/	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)       AA – IIB, O.H.R – 15							
		(CPHEEO)		INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA	
<b>A.</b> ]	Physico-chemical Test Resul	ts:									
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.29	7.35	7.42	7.38	7.39	7.38	7.35	
2	Temperature (degree C)			26.4	26.4	26.5	26.5	26.5	26.5	26.5	
3	Total Dissolved Solid (mg/L)	500	2000	135.1	134.7	135.9	134.6	134.8	135.2	134.9	
4	Turbidity (NTU)	1.00	5.00	1.82	1.91	1.98	1.97	1.85	1.87	1.89	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4	0.4	0.4	0.6	0.6	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
B.	Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	109.30	109.30	105.25	105.25	105.25	109.30	105.25	
8	Total Alkalinity (mg/L)	200.00	600.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	
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	15.08	15.08	15.08	15.08	15.08	15.08	15.08	
C.I	Bacteriological Test Results :	1	1	1	1	1	1	1	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**