WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING MONTH JULY' 2023

<u>ACTION AREA – I</u> (JULY' 2023)

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

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

Date of Testing: 03.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOU	RCE (PHE SUI	PPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/C/97	CE -74	CE-197	CE-76
	A. Physico - chemical T	est Results:				· · · ·				
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.47	7.46	7.47	7.48	7.45	7.48
2	Temperature(degree C)			26.8	26.8	26.7	26.6	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	148.2	149.8	150.9	150.7	150.7	150.4	150.8
4	Turbidity (NTU)	1.00	5.00	1.89	1.95	1.81	1.92	1.91	1.72	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:								
7	Total Hardness (mg/L)	200.00	600.00	104.52	108.54	104.52	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40
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	22.46	22.46	22.46	22.46	22.46	22.46	22.46
	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 – III</u> Sub. : <u>Water Testing (Physico-chemical & Chemical & Bacteriological)</u>

Date of Testing: 03.07.2023

SI. No	Characteristic	Requirement	Permissible Limit			SOURCE (PHE SUPPLY)		
110		(Acceptable Limit)	in the absence of alternate Source			О.Н	I.R - III		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AI-11	AL/1/C/40	AI/153/18
A.]	Physico-chemical Test Resul	ts :							
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.39	7.42	7.43	7.38	7.40
2	Temperature(degree C)			26.3	26.4	26.4	26.5	26.5	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	150.3	151.1	151.4	150.1	150.3	150.4
4	Turbidity, (NTU)	1.00	5.00	1.79	1.81	1.84	1.76	1.81	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	1.0	0.4	0.1	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (Chemical Test Results :	1					11		
7	Total Hardness, (mg/L)	200.00	600.00	104.52	108.54	108.54	108.54	108.54	108.54
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40
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	22.46	22.46	22.46	22.46	22.46	22.46
C .I	Bacteriological Test Results	:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

Date of Testing: 04.07.2023

Sl.	Characteristic	Requirement	Permissible Limit			SOUR	CE (PHE SUPPL	Y)		
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-157
A. P	hysico-chemical Test Result	s:								
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.46	7.49	7.52	7.57	7.61	7.62
2	Temperature(degree C)			26.7	26.6	26.5	26.6	26.6	26.5	26.5
3	Total Dissolved Solid.	500.00	2000.00	148.1	148.5	148.6	149.3	148.3	148.0	147.9
4	Turbidity, (NTU)	1.00	5.00	1.88	1.87	1.96	1.87	1.81	1.96	1.96
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.4	0.1	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (Chemical Test Results:	•						•	•	
7	Total Hardness, (mg/L)	200.00	600.00	112.56	112.56	112.56	116.58	112.56	112.56	108.54
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40
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	22.46	22.46	22.46	22.46	22.46	22.46	22.46
C.B	acteriological Test Results :	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

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

			ust <u>reactions</u> (rage	··· · · · · · · ·					
SI.	Characteristic	Requirement	Permissible Limit			SOURCE (PH	E SUPPLY)		
No		(Acceptable Limit)	in the absence of			O.H.R	- VIII		
		(IS 10500-2012)	alternate Source				-		
			(IS 10500-2012)	INLET OF	OUTLET	DA-30	DC-23	DA-88	DB-222
				O.H.R.	OF O.H.R.				
A. Ph	ysico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.55	7.57	7.58	7.61	7.60
2	Temperature (degree C)			26.5	26.4	26.4	26.3	26.4	26.5
3	Total Dissolved Solid.	500.00	2000.00	147.3	147.3	148.1	148.0	147.8	148.0
4	Turbidity (NTU)	1.00	5.00	1.87	1.80	1.82	1.84	1.81	1.89
5	Residual Free Chlorine	0.20	1.00	0.4	0.4	0.1	0.3	0.3	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:	· · ·							
7	Total Hardness. (mg/L)	200.00	600.00	108.54	108.54	112.56	112.56	108.54	112.56
8	Total Alkalinity. (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40
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	22.46	22.46	22.46	22.46	22.46	22.46
C.Ba	acteriological Test Results :			·		•			
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

Date of Testing: 04.07.2023

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 - II

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

Date of Testing: 05.07.2023

SI. No	(A	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	AE-104	AB-109		
A. Pł	ysico-chemical Test Results:												
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.18	7.20	7.21	7.28	7.19	7.25	7.18		
2	Temperature(degree C)			26.7	26.7	26.7	26.6	26.6	26.5	26.1	26.1		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	144.7	145.0	145.2	144.5	145.1	144.6	144.8	144.3		
4	Turbidity (NTU)	1.00	5.00	1.90	1.88	1.80	1.83	1.85	1.88	1.90	1.86		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.1	0.3	0.2	2.0	0.2	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	Chemical Test Results:	1	I	I		I							
7	Total Hardness (mg/L)	200.00	600.00	108.54	112.56	108.54	104.52	100.50	104.52	100.50	100.50		
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	92.82	97.24	92.82	92.82	97.24	92.82	92.82		

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 – X</u>

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

Date of Testing: 06.07.2023

SI. No	Characteristic	Requirement	Permissible Limit								
NO		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source		O.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	7.29	7.34	7.33	7.36				
2	Temperature(degree C)			26.4	26.4	26.4	26.3				
3	Total Dissolved Solid(mg/L)	500.00	2000.00	141.6	143.1	142.5	142.4				
4	Turbidity, (NTU)	1.00	5.00	1.45	1.78	1.66	1.68				
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.3	0.1	0.2				
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable				
B. Ch	nemical Test Results:										
7	Total Hardness, (mg/L)	200.00	600.00	108.54	104.52	104.52	104.52				
8	Total Alkalinity, (mg/L)	200.00	600.00	92.82	97.24	97.24	97.24				
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1				
10	Chloride (mg/L)	250	1000	20.59	20.59	20.59	20.59				
C.Ba	cteriological Test Results :	1	11		L	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.

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

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

Date of Testing: 06.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit			SOURCE (PHE SUP	PLY)	
INO	Characterisuc	(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	Physico-chemical Test Results:	·			·			
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.36	7.40	7.39	7.41
2	Temperature(degree C)			26.4	26.5	26.5	26.6	26.5
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	142.9	142.2	142.0	142.7	141.8
4	Turbidity, (NTU)	1.00	5.00	1.88	1.91	1.90	1.92	1.89
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (Chemical Test Results:							1
7	Total Hardness, (mg/L)	200.00	600.00	104.52	104.52	104.52	108.54	104.52
8	Total Alkalinity, (mg/L)	200.00	600.00	97.24	97.24	97.24	92.82	97.24
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	20.59	20.59	20.59	20.59	20.59
C.B	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.

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

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

Date of Testing: 07.07.2023

Sl. No	Characteristic	Requirement	Permissible Limit				SOURCE (PI	HE SUPPLY)			
110		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)				О.Н.	R - I			
			(13 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AC-186	AC-174
A. I	Physico-chemical Test Result	is:									
1	pH Value.	6.5-8.5	6.5-8.5	7.19	7.21	7.28	7.31	7.30	7.35	7.41	7.36
2	Temperature (degree C)			25.6	25.4	25.3	25.3	25.4	25.4	25.5	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.1	138.4	139.8	138.5	139.0	138.6	138.6	138.2
4	Turbidity (NTU)	1.00	5.00	1.63	1.81	1.62	1.82	1.36	1.65	1.45	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:				1			1			
7	Total Hardness (mg/L)	200.00	600.00	108.54	108.54	108.54	112.56	112.56	112.56	112.56	108.54
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	92.82	92.82	97.24	97.24	97.24	97.24	92.82

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 - IV

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

Date of Testing: 11.07.2023

Characteristic	Requirement (Acceptable	Permissible Limit			S	OURCE (PHE	SUPPLY)			
	Limit) (IS 10500-2012)	of alternate				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	BC-144	BC-141
hysico-chemical Test Results				<u> </u>						
pH Value.	6.5-8.5	6.5-8.5	7.27	7.29	7.35	7.31	7.38	7.41	7.40	7.39
Temperature(degree C)			26.1	26.1	26.3	26.3	26.3	26.3	26.3	26.4
Total Dissolved Solid (mg/L)	500.00	2000.00	135.3	135.5	135.8	135.4	135.2	135.4	135.4	135.2
Turbidity (NTU)	1.00	5.00	1.89	1.67	1.95	1.93	1.95	1.82	1.94	1.98
Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.1	0.2	0.3	0.1	0.3
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Chemical Test Results:		I	I			I	I	I	II	
Total Hardness (mg/L)	200.00	600.00	100.50	104.52	104.52	104.52	100.50	100.50	104.52	104.52
Total Alkalinity (mg/L)	200.00	600.00	83.98	88.40	88.40	88.40	83.98	83.98	88.40	88.40
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
Chloride (mg/L)	250.00	1000.00	16.84	16.84	16.84	16.84	16.84	16.84	16.84	16.84
acteriological Test Results :		•		· · ·						
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
	nysico-chemical Test Results 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)	(Acceptable Limit) (IS 10500-2012)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)250.00neteriological Test Results :Total Coliform (CFU/100 ml)Absent	(Acceptable Limit) (IS 10500-2012)in the absence of alternate Source (IS 10500-2012)nysico-chemical Test Results:pH Value.6.5-8.5femperature(degree C)Total Dissolved Solid (mg/L)500.002000.00Turbidity (NTU)1.00Residual Free Chlorine (mg/L)0.20OdourAgreeableAgreeableChemical Test Results:Total Hardness (mg/L)200.00Total Alkalinity (mg/L)200.00Iron(as Fe), mg/L1.0No RelaxationChloride (mg/L)250.001000.00acteriological Test Results :Total Coliform (CFU/100 ml)Absent	(Acceptable Limit) (IS 10500-2012)in the absence of alternate Source (IS 10500-2012)in the absence of alternate Source (IS 10500-2012)nysico-chemical Test Results:INLET OF O.H.R.pH Value.6.5-8.56.5-8.57.27Temperature(degree C)26.1Total Dissolved Solid (mg/L)500.002000.00135.3Turbidity (NTU)1.005.001.89Residual Free Chlorine (mg/L)0.201.000.3OdourAgreeableAgreeableAgreeableChemical Test Results:200.00600.00100.50Total Hardness (mg/L)200.00600.0083.98Iron(as Fe), mg/L1.0No Relaxation<0.1	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R. OUTLET OF O.H.R. nysico-chemical Test Results: 6.5-8.5 7.27 7.29 Temperature(degree C) 26.1 26.1 Total Dissolved Solid (mg/L) 500.00 2000.00 135.3 135.5 Turbidity (NTU) 1.00 5.00 1.89 1.67 Residual Free Chlorine (mg/L) 0.20 1.00 0.3 0.4 Odour Agreeable Agreeable Agreeable Agreeable Total Hardness (mg/L) 200.00 600.00 100.50 104.52 Total Alkalinity (mg/L) 200.00 600.00 83.98 88.40 Iron(as Fe), mg/L 1.0 No Relaxation <0.1	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R. OUTLET OF O.H.R. SENIOR CITIZEN PARK nysico-chemical Test Results: 6.5-8.5 6.5-8.5 7.27 7.29 7.35 Temperature(degree C) 26.1 26.1 26.3 Total Dissolved Solid (mg/L) 500.00 2000.00 135.3 135.5 135.8 Turbidity (NTU) 1.00 5.00 1.89 1.67 1.95 Residual Free Chlorine (mg/L) 0.20 1.00 0.3 0.4 0.4 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Total Hardness (mg/L) 200.00 600.00 100.50 104.52 104.52 Total Alkalinity (mg/L) 200.00 600.00 83.98 88.40 88.40 Iron(as Fe), mg/L 1.0 No Relaxation <0.1	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ $

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

Date of Testing: 11.07.2023

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:		1				
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.32	7.34	7.32
2	Temperature(degree C)			25.9	26.1	26.4	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.2	136.3	136.2	135.6
4	Turbidity (NTU)	1.00	5.00	1.85	1.68	1.96	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:		• • • •				
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40
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 – VII</u>

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

Date of Testing: 14.07.2023

Sl. No	Characteristic	Requirement	Permissible Limit			S	OURCE (PHE SU	JPPLY)					
NO		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	O.H.R - VII									
		(13 10300-2012)	(15 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF-94	DC-248	DC-231			
A. P	hysico-chemical Test Re	sults:			•	•		•					
1	pH Value.	6.5-8.5	6.5-8.5	7.16	7.18	7.21	7.20	7.28	7.31	7.25			
2	Temperature(degree C)			26.2	26.3	26.3	26.2	26.3	26.4	26.2			
3	Total Dissolved Solid.	500.00	2000.00	132.3	132.1	132.1	134.0	132.0	132.5	131.9			
4	Turbidity, (NTU)	1.00	5.00	1.23	1.31	1.59	1.53	1.46	1.34	1.29			
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.4	0.1	0.2	0.2	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. (Chemical Test Results:		1	1	1			1					
7	Total Hardness, (mg/L)	200.00	600.00	100.50	100.50	100.50	100.50	100.50	100.50	100.50			
8	Total Alkalinity, (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40			

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 SOURCE (PHE SUPPLY) SI. Requirement No (Acceptable Limit O.H.R - VIII Limit) in the absence (IS 10500of alternate **INLET OF OUTLET OF** DC-14 DC-23 **DB-222 DA-88** 2012) O.H.R. O.H.R. Source (IS 10500-2012) A. Physico-chemical Test Results: pH Value. 7.31 7.32 7.35 7.29 1 7.28 7.30 6.5-8.5 6.5-8.5 **Temperature (degree C)** 26.1 26.3 26.3 2 --------26.1 26.4 26.3 **Total Dissolved Solid.** 132.3 132.0 132.6 132.2 3 131.0 131.1 500.00 2000.00 1.35 Turbidity. (NTU) 1.91 1.59 1.34 1.75 4 1.10 1.00 5.00 5 **Residual Free Chlorine** 0.3 0.4 0.2 0.1 0.3 0.3 0.20 1.00 6 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: Total Hardness. (mg/L) 7 100.50 100.50 104.52 104.52 104.52 104.52 200.00 600.00 8 Total Alkalinity. (mg/L) 88.40 88.40 88.40 88.40 88.40 88.40 200.00 600.00

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: 14.07.2023

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

Date of Testing: 19.07.2023

Characteristic	Requirement	Permissible Limit	f								
	Limit)	alternate Source				O.H.R	- III				
	(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AL/1/B/18	AL/1/C/40	AI/153/18	AI-158	AL/1/C/5	
Physico-chemical Test Resul	ts:										
pH Value.	6.5-8.5	6.5-8.5	7.36	7.31	7.29	7.32	7.35	7.36	7.38	7.35	
Temperature (degree C)			26.1	26.2	26.2	26.3	26.3	26.3	26.2	26.3	
Total Dissolved Solid (mg/L)	500.00	2000.00	127.5	128.9	128.5	128.6	128.2	128.3	128.2	128.4	
Turbidity, (NTU)	1.00	5.00	1.58	1.60	1.24	1.56	1.34	1.42	1.61	1.78	
Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.3	0.4	0.2	0.2	0.4	0.4	
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
Chemical Test Results:	I	I					I				
Total Hardness, (mg/L)	200.00	600.00	108.54	112.56	112.56	112.56	112.56	112.56	108.54	108.54	
Total Alkalinity, (mg/L)	200.00	600.00	79.56	83.98	83.98	88.40	83.98	83.98	83.98	83.98	
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	
Chloride (mg/L)	250.00	1000.00	16.84	16.84	16.84	16.84	16.84	16.84	16.84	16.84	
Bacteriological Test Results	:										
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	
	Physico-chemical Test Resul 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) Bacteriological Test Results : Total Coliform (CFU/100 ml)	Interface (Acceptable Limit) (IS 10500-2012)Physico-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:200.00Total Alkalinity, (mg/L)200.00Iron (as Fe), mg/L1.0Chloride (mg/L)250.00Bacteriological Test Results:1.0Total Coliform (CFU/100 ml)Absent	Interpretation (Acceptable Limit) (IS 10500-2012)In the absence of alternate Source (IS 10500-2012)Physico-chemical Test Results:6.5-8.5PH Value.6.5-8.5femperature (degree C)Total Dissolved Solid (mg/L)500.002000.002000.00Turbidity, (NTU)1.00Turbidity, (NTU)0.20OdourAgreeableAgreeableAgreeableChemical Test Results:Total Hardness, (mg/L)200.00Total Alkalinity, (mg/L)200.00Iron (as Fe), mg/L1.0No RelaxationChloride (mg/L)250.00Bacteriological Test Results:Total Coliform (CFU/100 ml)Absent	And an only of the second of the second of alternate Source (IS 10500-2012)Inthe absence of alternate Source (IS 10500-2012)Physico-chemical Test Results:INLET OF 0.H.RPhysico-chemical Test Results:6.5-8.5Physico-chemical Test Results:6.5-8.5Temperature (degree C)Total Dissolved Solid (mg/L)500.002000.00127.5Turbidity, (NTU)1.001.005.00Residual Free Chlorine (mg/L)0.20OdourAgreeableAgreeableAgreeableChemical Test Results:200.00Total Alkalinity, (mg/L)200.00100.00600.00Iron (as Fe), mg/L1.0No Relaxation<0.1	International (Acceptable Limit) (IS 10500-2012) In the absence of alternate Source (IS 10500-2012) Internate Source (IS 10500-2012) Physico-chemical Test Results: Internate Source (IS 10500-2012) Internate Source (IS 10500-2012) OUTLET OF O.H.R OUTLET OF O.H.R Physico-chemical Test Results: 6.5-8.5 6.5-8.5 7.36 7.31 Temperature (degree C) 26.1 26.2 Total Dissolved Solid (mg/L) 500.00 2000.00 127.5 128.9 Turbidity, (NTU) 1.00 5.00 1.58 1.60 Residual Free Chlorine (mg/L) 0.20 1.00 0.2 0.6 Odour Agreeable Agreeable Agreeable Agreeable Total Hardness, (mg/L) 200.00 600.00 108.54 112.56 Total Alkalinity, (mg/L) 200.00 600.00 79.56 83.98 Iron (as Fe), mg/L 1.0 No Relaxation <0.1 <0.1 Chloride (mg/L) 250.00 1000.00 16.84 16.84 Bacteriological Test Results: Xisting	In the absence of Limit) (IS 10500-2012) In the absence of alternate Source (IS 10500-2012) In the absence of alternate Source (IS 10500-2012) Physico-chemical Test Results: In the absence of alternate Source (IS 10500-2012) INLET OF O.H.R OUTLET OF O.H.R Al///C/28 Physico-chemical Test Results: 6.5-8.5 6.5-8.5 7.36 7.31 7.29 Physico-chemical Test Results: 500.00 2000.00 127.5 128.9 128.5 Total Dissolved Solid (mg/L) 500.00 2000.00 1.58 1.60 1.24 Residual Free Chlorine (mg/L) 0.20 1.00 0.2 0.6 0.3 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Total Hardness, (mg/L) 200.00 600.00 108.54 112.56 112.56 Total Alkalinity, (mg/L) 200.00 600.00 108.54 16.84 16.84 Iron (as Fe), mg/L 1.0 No Relaxation <0.1 <0.1 <0.1 Chloride (mg/L) 250.00 1000.00 16.84	International (Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) Internate Source (IS 10500-2012) INLET OF O.H.R OUTLET OF O.H.R O.H.R Physico-chemical Test Results: 6.5-8.5 6.5-8.5 7.36 7.31 7.29 7.32 Ph Value. 6.5-8.5 6.5-8.5 7.36 7.31 7.29 7.32 Temperature (degree C) 26.1 26.2 26.3 128.6 Total Dissolved Solid (mg/L) 500.00 2000.00 127.5 128.9 128.5 128.6 Residual Free Chlorine (mg/L) 0.20 1.00 0.2 0.6 0.3 0.4 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Total Madinity, (mg/L) 200.00 600.00 79.56 83.98 83.40 Toro (as Fe), mg/L 1.0 No Relaxation <0.1	International (Acceptable Limit) (IS 10500-2012) In the absence of alternate Source (IS 10500-2012) Internate Source (IS 102, IS 20,	Acceptable Limity (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) INET OF O.H.R OUTLET OF O.H.R Al/1/C/28 Al/1/B/18 Al/1/C/40 Al/1/S/18 Physico-chemical Test Results: 6.5-8.5 6.5-8.5 7.36 7.31 7.29 7.32 7.35 7.36 PH Value. 6.5-8.5 6.5-8.5 7.36 7.31 26.2 26.3 26.3 26.3 Total Dissolved Solid (mg/L) 500.00 2000.00 127.5 128.9 128.5 128.6 128.2 128.3 Turbidity, (NTU) 1.00 5.00 1.58 1.60 1.24 1.56 1.34 1.42 Residual Free Chlorine (mg/L) 0.20 1.00 0.2 0.6 0.3 0.4 0.2 0.2 Odour Agreeable 112.56 112.56 112.56 112.56	International (Acceptible Linit) (S10500-2012) in the absence of alternate Source (IS 10500-2012) Internate Source (IS 10500-2012)	

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

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

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

Date of Testing: 20.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit) (IS 10500- 2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	O.H.R - V									
			-	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	СВ-08	CA-52			
A.	Physico - chemical Test Results	5:	· · ·										
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.36	7.37	7.39	7.38	7.41	7.43			
2	Temperature(degree C)			26.7	26.7	26.6	26.7	26.6	26.5	26.5			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.5	127.8	127.6	128.3	127.6	127.8	127.7			
4	Turbidity (NTU)	1.00	5.00	1.51	1.75	1.81	1.89	1.71	1.78	1.85			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.1	0.2	0.4	0.3	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. (Chemical Test Results:				1			1					
7	Total Hardness (mg/L)	200.00	600.00	108.97	104.94	108.97	108.97	108.97	108.97	104.94			
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	81.36	85.88	85.88	85.88	85.88	81.36			

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: 20.07.2023

SI. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE (PHE SUPPLY)		
		Limit) (IS 10500-2012)	in the absence of alternate			O.H	I.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
	A. Physico - Chemical	Fest Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.41	7.42	7.38	7.43	7.46
2	Temperature(degree C)			26.5	26.4	26.4	26.3	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.3	128.1	127.6	127.7	127.6	127.9
4	Turbidity (NTU)	1.00	5.00	1.52	1.79	1.85	1.91	1.68	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:							•
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97	104.94	104.94	104.94	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	81.36	85.88	85.88	85.88	85.88	85.88

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 - IV

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

Date of Testing: 21.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source				CE (PHE SUPP D.H.R - IV	LY)		
			(IS 10500-2012)							
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BB-107
A. P	hysico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.54	7.56	7.60	7.61	7.62	7.60
2	Temperature(degree C)			26.1	26.0	26.0	26.1	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.9	128.2	128.4	128.3	128.6	127.9	128.0
4	Turbidity (NTU)	1.00	5.00	1.81	1.88	1.93	1.38	1.87	1.82	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.4	0.1	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. C	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	108.97	113.00	113.00	113.00	113.00	108.97	113.00
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88	85.88	85.88	85.88

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: 21.07.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of		SOURC	E (PHE SUPPLY)	
110		(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	7.51	7.53	7.62	7.58
2	Temperature(degree C)			26.2	26.3	26.3	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.1	127.9	128.1	127.5
4	Turbidity (NTU)	1.00	5.00	1.62	1.58	1.48	1.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. C	hemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	108.97	104.94	108.97	108.97
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88

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 – X</u>

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

Date of Testing: 24.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit		SOURCE (P	PHE SUPPLY)	
INU		(IS 10500-2012)	in the absence of alternate Source		0.Н	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	7.32	7.37	7.39	7.41
2	Temperature(degree C)			26.1	26.1	26.0	26.0
3	Total Dissolved Solid(mg/L)	500.00	2000.00	127.2	128.0	129.9	130.2
4	Turbidity, (NTU)	1.00	5.00	1.57	1.46	1.60	1.50
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	108.97	113.00	113.00	113.00
8	Total Alkalinity, (mg/L)	200.00	600.00	85.88	85.88	90.40	90.40

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: 24.07.2023

Sl. No	Chamatanistia	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	7.43	7.45	7.44	7.46	7.49
2	Temperature(degree C)			26.2	26.1	26.1	26.0	26.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	127.1	127.7	127.6	127.6	127.5
4	Turbidity, (NTU)	1.00	5.00	1.46	1.56	1.81	1.45	1.51
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (Chemical Test Results:			1	1			
7	Total Hardness, (mg/L)	200.00	600.00	108.97	108.97	108.97	108.97	108.97
8	Total Alkalinity, (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88	85.88

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 , O.H.R - V</u>

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

Date of Testing: 27.07.2023

SI. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence -									
		Limit)	of alternate			0.11.1						
		(IS 10500-2012)	Source	INLET OF	OUTLET OF	CC-201	CD-125	CA-36	CB-08			
			(IS 10500-2012)	O.H.R.	O.H.R.							
	A. Physico - chemical Test	Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.34	7.33	7.37	7.38	7.41			
2	Temperature(degree C)			25.9	25.8	25.9	25.8	25.8	25.7			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.1	129.0	128.8	128.6	129.0	128.7			
4	Turbidity (NTU)	1.00	5.00	1.31	1.46	1.54	1.69	1.60	1.19			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.1	0.1	0.3	0.3			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. C	Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	108.97	113.00	113.00	113.00	113.00	113.00			
8	Total Alkalinity (mg/L)	200.00	600.00	81.36	85.88	85.88	85.88	85.88	85.88			
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	16.97	16.97	16.97	16.97	16.97	16.97			
C.B	acteriological Test Results :	L				1		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.

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

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

Date of Testing: 27.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOUR	CE (PHE SUPP	LY)	of									
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - VI											
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/C/97	CE -74	CE-197	CE/1/A/140								
	A. Physico - chemical T	est Results:																
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.39	7.32	7.38	7.36	7.35	7.39								
2	Temperature(degree C)			25.6	25.5	25.4	25.5	25.6	25.6	25.7								
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.4	128.7	128.9	128.7	128.6	128.6	128.4								
4	Turbidity (NTU)	1.00	5.00	1.88	1.37	1.68	1.39	1.23	1.28	1.65								
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	0.3	0.3	0.4	0.2								
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable								
	B. Chemical Test Resul	ts:	· ·															
7	Total Hardness (mg/L)	200.00	600.00	113.00	113.00	113.00	113.00	113.00	113.00	113.00								
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88	85.88	85.88	85.88	85.88								
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	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: ACTION AREA -I, O.H.R - I

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

Date of Testing: 28.07.2023

SI. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of	of								
		Limit) (IS 10500-2012)	alternate Source			O.H.I	R - I					
		(13 10300-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AC - 131	AA- 05	AC-107	AC-50			
A. P	hysico-chemical Test Results:	:			11		I		I			
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.29	7.30	7.31	7.30	7.46			
2	Temperature (degree C)			25.8	25.8	25.7	25.7	25.6	25.6			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.1	130.5	130.0	129.9	129.7	129.6			
4	Turbidity (NTU)	1.00	5.00	1.31	1.54	1.17	1.59	1.28	1.19			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.2	0.4	0.4			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. (Chemical Test Results:								I			
7	Total Hardness (mg/L)	200.00	600.00	104.94	108.97	104.94	108.97	113.00	113.00			
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	90.40	85.88	90.40	90.40	90.40			
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	18.85	18.85	18.85	18.85	18.85	16.97			
C.B	acteriological Test Results :				ıl		1	1				
	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF			
11												

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

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

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

Date of Testing: 28.07.2023

SI. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of	e of								
		Limit) (IS 10500-2012)	alternate Source			O.H.F	R - II					
		(15 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. Pl	vysico-chemical Test Results	:										
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.38	7.39	7.41	7.40	7.42			
2	Temperature(degree C)			25.5	25.6	25.7	25.6	25.7	25.7			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.9	129.6	130.1	129.8	130.1	129.9			
4	Turbidity (NTU)	1.00	5.00	1.10	1.43	1.15	1.55	1.16	1.13			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.2	0.1	0.1	0.4			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. C	hemical Test Results:	1		<u> </u>		I						
7	Total Hardness (mg/L)	200.00	600.00	113.00	117.04	117.04	117.04	117.04	117.04			
8	Total Alkalinity (mg/L)	200.00	600.00	90.40	90.40	90.40	90.40	90.40	90.40			
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	18.85	18.85	18.85	16.97	18.85	18.85			
10				•								
	acteriological Test Results :											
	acteriological Test Results : 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.

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

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

Date of Testing: 31.07.2023

1 2	ico-chemical Test Results: pH Value.	(Acceptable Limit) (IS 10500-2012) 6.5-8.5	in the absence of alternate Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	O.H.R - IV BE-17	BB-50	BC-105	BF-58
1 2 3 T		(595				CITIZEN	BE-17	BB-50	BC-105	BF-58
1 2 3 T		(= 9 =								
3 T	pH Value.	(= 9 =								
3 T		0.5-8.5	6.5-8.5	7.36	7.37	7.38	7.47	7.43	7.47	7.46
	Temperature(degree C)			26.3	26.3	26.4	26.4	26.3	26.4	26.5
4	Total Dissolved Solid (mg/L)	500.00	2000.00	130.7	131.0	131.1	130.6	130.8	131.6	130.7
	Turbidity (NTU)	1.00	5.00	0.81	0.77	1.31	1.04	1.12	1.20	1.09
5 Re	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.2	0.3	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
. Chem	mical Test Results:				·					
7	Total Hardness (mg/L)	200.00	600.00	108.97	108.97	104.94	104.94	108.97	104.94	104.94
8 '		200.00	600.00	85.88	85.88	85.88	85.88	85.88	85.88	85.88

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 – III</u>

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

Date of Testing: 31.07.2023

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of				SOURCE (I	PHE SUPPLY)					
		Limit)	alternate Source	O.H.R - III									
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R	A/1/C/28	AL/27	AL/1/C/40	AI/153/18	АК-29	AK-26		
	A. Physico-chemical Test R	esults :	•										
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.31	7.32	7.40	7.41	7.40	7.41	7.40		
2	Temperature(degree C)			26.1	26.0	26.0	26.0	26.1	26.1	26.2	26.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.4	131.4	131.3	131.3	131.8	131.6	131.3	131.0		
4	Turbidity, (NTU)	1.00	5.00	0.96	0.73	1.10	0.91	1.20	0.98	0.74	1.06		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.3	0.2	0.3	0.1	0.4	0.4		
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	108.97	104.94	104.94	104.94	104.94	108.97	104.94	108.97		
8	Total Alkalinity, (mg/L)	200.00	600.00	81.36	81.36	85.88	85.88	85.88	85.88	85.88	85.88		

O.H.R. – OVER HEAD RESERVOIR,

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

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

<u>ACTION AREA – II</u> (JULY' 2023)

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

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

Date of Testing: 11.07.2023

Sl. No	Characteristic	Requirement Permissible Limit		SOURCE (PHE SUPPLY)					
		(Acceptable Limit)	in the absence of – alternate Source	AA – IIG, O.H.R – 18					
	(IS 10500-2		(IS 10500-2012)	INLET OF O.H.R.	EDEN COURT				
A. Physi	co-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.26	7.30			
2	Temperature (degree C)			25.8	25.8	25.7			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.9	136.9	136.8			
4	Turbidity (NTU)	1.00	5.00	1.83	1.85	1.86			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. Chen	nical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52			
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40			
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1			
10	Chloride (mg/L)	250.00	1000.00	16.84	16.84	16.84			
C. Bacte	riological Test Results:								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF			
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF			

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

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

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

Date of Testing: 13.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source	n the absence of								
			(IS 10500-2012)			1						
				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	7.45	7.51	7.50	7.52	7.54	7.57	7.53		
2	Temperature (degree C)			26.3	26.3	26.4	26.4	26.4	26.5	26.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.9	133.3	133.4	133.4	132.9	133.0	132.8		
4	Turbidity (NTU)	1.00	5.00	1.93	1.38	1.81	1.79	1.83	1.90	1.66		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.1	0.2	0.1	0.1	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. (Chemical Test Results:						1		I			
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52	104.52	104.52	104.52		
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40		
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	16.84	16.84	16.84	16.84	16.84	16.84	16.84		
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		
	N.F- NOT FOUND,						<u> </u>		1	<u> </u>		

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: 13.07.2023

Sl. No	Characteristic	acteristic Requirement (Acceptable Limit) (IS 10500-2012)		SOURCE (PHE SUPPLY) AA – IID, O.H.R - 11					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA		
A. Phy	vsico-Chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.57	7.56	7.55		
2	Temperature (degree C)			26.7	26.6	26.5	26.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.6	132.0	132.6	132.4		
4	Turbidity (NTU)	1.00	5.00	1.85	1.83	1.92	1.94		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:			1					
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52		
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40		
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. Ba	cteriological Test Results:	•					·		
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF		

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

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

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

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

Date of Testing: 13.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)							
		(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	hysico-chemical Test Result	s:									
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.56	7.60	7.61				
2	Temperature (degree C)			26.7	26.7	26.8	26.7				
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.5	131.7	132.0	132.2				
4	Turbidity (NTU)	1.00	5.00	1.81	1.86	1.89	1.85				
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.2				
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable				
B.	Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52				
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	83.98	88.40				
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. I	Bacteriological Test Results:		· · ·	·		· · ·					
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF				
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF				

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

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

TEST REPORT: AA – II A, O.H.R-17

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

Date of Testing: 17.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)							
		(IS 10500-2012)	alternate Source	AA – IIA, O.H.R-17							
		(IS 10500-20		INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY	CBD				
A. P	A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.35	7.33	7.34				
2	Temperature (degree C)			26.3	26.3	26.3	26.4				
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.8	127.5	127.2	127.3				
4	Turbidity (NTU)	1.00	5.00	1.71	1.81	1.74	1.88				
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. (Chemical Test Results:				1						
7	Total Hardness (mg/L)	200.00	600.00	104.52	104.52	104.52	104.52				
8	Total Alkalinity (mg/L)	200.00	600.00	83.98	83.98	83.98	83.98				

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: 17.07.2023

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY) AA – IIB, O.H.R-15								
		(IS 10500-2012)	alternate Source									
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA	
A. P	Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.27	7.29	7.30	7.31	7.33	7.35	7.32	7.34	
2	Temperature (degree C)			25.6	25.5	25.6	25.6	25.5	26.4	26.4	26.4	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.3	127.8	127.5	127.7	127.6	127.5	127.7	127.4	
4	Turbidity (NTU)	1.00	5.00	1.77	1.89	1.71	1.97	1.38	1.97	1.92	1.67	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.3	0.2	0.4	0.2	0.4	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
B. (Chemical Test Results:			I	1			I	1			
7	Total Hardness (mg/L)	200.00	600.00	100.50	100.50	100.50	104.52	104.52	104.52	100.50	100.50	
8	Total Alkalinity (mg/L)	200.00	600.00	88.40	88.40	88.40	88.40	88.40	88.40	88.40	88.40	

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 – IIG, O.H.R – 18</u>

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

Date of Testing: 24.07.2023

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. Phys	ico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.52	7.54			
2	Temperature (degree C)			26.3	26.3	26.2			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.4	128.1	127.3			
4	Turbidity (NTU)	1.00	5.00	1.25	1.38	1.61			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. Cher	mical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	108.97	113.00	108.97			
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	85.88	85.88			

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</u>, <u>Chemical & Bacteriological</u>)

Date of Testing: 26.07.2023

l. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	AA – IIA, O.H.R – 17							
		(IS 10500-2012)	alternate Source								
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY	CBD				
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.41	7.36	7.34				
2	Temperature (degree C)			26.4	26.3	26.4	26.3				
3	Total Dissolved Solid (mg/L)	500.00	2000.00	127.9	127.3	126.8	128.9				
4	Turbidity (NTU)	1.00	5.00	1.81	1.34	1.53	1.47				
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	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	108.97	108.97	104.94	108.97				
8	Total Alkalinity (mg/L)	200.00	600.00	81.36	81.36	85.88	81.36				
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	18.85	16.97				
С.Ва	acteriological Test Results :		· · ·			· · ·					
1	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: 26.07.2023

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/	SOURCE (PHE SUPPLY) AA – IIB, O.H.R – 15								
		(IS 10500-2012)/	(CPHEEO)									
		(CPHEEO)		INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA	
A.]	Physico-chemical Test Resul	ts:										
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.34	7.35	7.37	7.38	7.39	7.41	7.40	7.35	
2	Temperature (degree C)			26.2	26.3	26.3	26.3	26.4	26.4	26.5	26.5	
3	Total Dissolved Solid (mg/L)	500	2000	134.4	127.6	128.3	128.3	128.5	128.0	128.4	127.8	
4	Turbidity (NTU)	1.00	5.00	1.65	1.81	1.67	1.68	1.87	1.78	1.23	1.31	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.2	0.2	0.2	0.3	0.3	0.4	
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	108.97	104.94	113.00	113.00	113.00	113.00	113.00	108.97	
8	Total Alkalinity (mg/L)	200.00	600.00	85.88	81.36	81.36	81.36	81.36	81.36	81.36	81.36	
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
10	Chloride (mg/L)	250	1000	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	
C.I	Bacteriological Test Results :		1	1	1	1	1	1		11		
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