WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING MONTH FEBRUARY' 2020

<u>ACTION AREA – I</u> (FEBRUARY' 2020)

TEST REPORT: ACTION AREA - I, ZONE - V

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

Date of Testing: 03.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PHE S	SUPPLY)				
110		(IS 10500-2012)	alternate Source	ZONE - V							
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CB-08	CA-81		
	A. Physico - chemical Test R	Results:		I I							
1	pH Value.	6.5-8.5	6.5-8.5	7.19	7.38	7.51	7.60	7.59	7.60		
2	Temperature(degree C)			23.2	23.1	23.3	23.2	23.3	23.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.2	180.2	180.8	181.7	180.9	180.3		
4	Turbidity (NTU)	1.00	5.00	1.21	1.89	1.64	1.96	1.60	1.88		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.1	0.1	0.2	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:		1	11				I	1		
7	Total Hardness (mg/L)	200.00	600.00	161.44	161.44	161.44	161.44	161.44	161.44		
8	Total Alkalinity (mg/L)	200.00	600.00	169.62	169.62	169.62	174.76	169.62	169.62		

O.H.R. - OVER HEAD RESERVOIR,

Sd/-

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 03.02.2020

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)							
		(IS 10500-2012)	alternate Source (IS 10500-2012)			ZON	NE - II				
			-	INLET OF O.H.R.	OUTLET OF O.H.R.	New Town Bus Terminus	BA - 120	AB - 13	AB - 72		
A. P	 Physico-chemical Test Result	s:									
1	pH Value.	6.5-8.5	6.5-8.5	7.53	7.64	7.60	7.59	7.60	7.58		
2	Temperature(degree C)			23.1	23.1	23.2	23.2	23.1	23.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.5	179.8	181.4	181.7	180.8	180.9		
4	Turbidity (NTU)	1.00	5.00	1.64	1.89	1.33	1.69	1.94	1.61		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2	0.1	0.2	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. (Chemical Test Results:	I	<u> </u>		I	11		I			
7	Total Hardness (mg/L)	200.00	600.00	161.44	157.40	161.44	161.44	161.44	161.44		
8	Total Alkalinity (mg/L)	200.00	600.00	169.62	169.62	174.76	174.76	169.62	169.62		

O.H.R. – OVER HEAD RESERVOIR ,

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 04.02.2020

Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of –	SOURCE (PHE SUPPLY) ZONE - I								
	(IS 10500-2012)	alternate Source									
		(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AC - 26	AC - 107	AA - 50			
hysico-chemical Test Result	is:		I					I			
pH Value.	6.5-8.5	6.5-8.5	7.73	7.80	7.77	7.67	7.71	7.74			
Temperature(degree C)			23.0	23.0	23.3	23.4	23.3	23.4			
Total Dissolved Solid (mg/L)	500.00	2000.00	180.3	180.4	180.9	181.7	180.5	180.3			
Turbidity (NTU)	1.00	5.00	1.50	1.90	1.61	1.40	1.62	1.80			
Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.2	0.2	0.3	0.3			
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
Chemical Test Results:											
Total Hardness (mg/L)	200.00	600.00	149.33	149.33	149.33	153.36	149.33	149.33			
Total Alkalinity (mg/L)	200.00	600.00	179.90	179.90	179.90	179.90	179.90	179.90			
	Physico-chemical Test Result 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)	(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:Total Hardness (mg/L)200.00	(Acceptable Limit) (IS 10500-2012)in the absence of alternate Source (IS 10500-2012)Physico-chemical Test Results:pH Value.6.5-8.5femperature(degree C)Total Dissolved Solid (mg/L)500.002000.00Turbidity (NTU)1.00S.00Residual Free Chlorine (mg/L)0.20OdourAgreeableAgreeableChemical Test Results:Total Hardness (mg/L)200.00Total Hurdness (mg/L)200.00	(Acceptable Limit) (IS 10500-2012)in the absence of alternate Source (IS 10500-2012)Physico-chemical Test Results:pH Value.6.5-8.56.5-8.57.73Temperature(degree C)23.0Total Dissolved Solid (mg/L)500.002000.001005.001.50Residual Free Chlorine (mg/L)0.201.00OdourAgreeableAgreeableChemical Test Results:Total Hardness (mg/L)200.00600.00170.00149.33Total Hardness (mg/L)200.00600.00	(Acceptable Limit) (IS 10500-2012)in the absence of alternate Source (IS 10500-2012)INLET OF O.H.R.OUTLET OF O.H.R.Physico-chemical Test Results:pH Value.6.5-8.56.5-8.57.737.80Temperature(degree C)Total Dissolved Solid (mg/L)500.002000.00180.3180.4Turbidity (NTU)1.005.001.50Residual Free Chlorine (mg/L)0.200.201.000.30.5Chemical Test Results:Total Hardness (mg/L)200.00200.00149.33149.33Total Hardness (mg/L)200.007.701.70.001.70.001.70.00	Image: Market	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) ZONE - I Physico-chemical Test Results: INLET OF O.H.R. OUTLET OF O.H.R. AD - 17 AC - 26 Physico-chemical Test Results: INLET OF O.H.R. OUTLET OF O.H.R. AD - 17 AC - 26 Physico-chemical Test Results: INLET OF O.H.R. OUTLET OF O.H.R. AD - 17 AC - 26 Physico-chemical Test Results: INLET OF O.H.R. OUTLET OF O.H.R. AD - 17 AC - 26 Physico-chemical Test Results: 500.00 23.0 23.3 23.4 Total Dissolved Solid (mg/L) 500.00 2000.00 180.3 180.4 180.9 181.7 Turbidity (NTU) 1.00 5.00 1.50 1.90 1.61 1.40 Residual Free Chlorine (mg/L) 0.20 1.00 0.3 0.5 0.2 0.2 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Chemical Test Results: 200.00	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) Inter of O.H.R. OUTLET OF O.H.R. AD - 17 AC - 26 AC - 107 Physico-chemical Test Results:			

O.H.R. - OVER HEAD RESERVOIR,

TEST REPORT: ACTION AREA - I, ZONE - VI

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

Date of Testing: 06.02.2020

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURC	E (PHE SUPPLY)					
		(IS 10500-2012)			ZONE - VI						
			(13 10300-2012)	OUTLET OF O.H.R.	NBCC	CE/1/A/97	CE-74	CE-197			
	A. Physico - chemical Tes	t Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.82	7.95	7.82	7.88			
2	Temperature(degree C)			23.8	23.1	23.7	23.1	23.8			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.9	176.2	180.1	181.4	181.7			
4	Turbidity (NTU)	1.00	5.00	1.39	1.17	1.48	1.15	1.89			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	<0.1	0.1	0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
	B. Chemical Test Results:	:		L		-	1	I			
7	Total Hardness (mg/L)	200.00	600.00	161.44	153.36	165.48	169.51	169.51			
8	Total Alkalinity (mg/L)	200.00	600.00	174.76	174.76	179.9	179.9	179.9			

O.H.R. – OVER HEAD RESERVOIR,

TEST REPORT: <u>AA – I, ZONE – III</u>

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

Date of Testing: 06.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PHE SU	PPLY)				
		(IS 10500-2012)	alternate Source (IS 10500-2012)	ZONE - III							
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA Office	AI/B/13	AL/1/C/40	AL/1/C/28		
	A. Physico-chemical Tes	t Results :			1		1		1		
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.72	7.85	7.78	7.79	7.81		
2	Temperature(degree C)			23.4	23.5	23.8	23.6	23.6	23.6		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.6	180.3	180.8	180.0	180.3	180.1		
4	Turbidity, (NTU)	1.00	5.00	1.87	1.79	1.41	1.56	1.73	1.63		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.3	0.2	0.2	0.1	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
	B. Chemical Test Re	sults :									
7	Total Hardness, (mg/L)	200.00	600.00	165.47	165.47	165.47	165.47	165.47	165.47		
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9		

O.H.R. – OVER HEAD RESERVOIR,

TEST REPORT: <u>AA – I, ZONE – X</u>

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

Date of Testing: 10.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY) ZONE - X					
		(IS 10500-2012)	alternate Source (IS 10500-2012)						
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D			
A. Ph	ysico-chemical Test Results:	I							
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.73	7.78			
2	Temperature(degree C)			23.1	23.2	23.5			
3	Total Dissolved Solid(mg/L)	500.00	2000.00	182.4	182.9	182.5			
4	Turbidity, (NTU)	1.00	5.00	1.83	1.78	1.50			
5	Residual Free Chlorine(mg/L)	0.20	1.00	<0.1	0.2	0.1			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. Ch	nemical Test Results:				1				
7	Total Hardness, (mg/L)	200.00	600.00	161.44	161.44	161.44			
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	179.9			

O.H.R. – OVER HEAD RESERVOIR

TEST REPORT: <u>AA – I, ZONE – IX</u>

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

SI.	~	Requirement	Permissible Limit		SOURCE (PH	E SUPPLY)	
No	Characteristic	(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source		ZONE		-
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT
			A. Physico-chemical	Test Results:			·
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.67	7.74	7.78
2	Temperature(degree C)			23.1	23.2	23.2	23.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	182.9	183.1	181.8	182.6
4	Turbidity, (NTU)	1.00	5.00	1.92	1.90	1.75	1.95
5	Residual Free Chlorine(mg/L)	0.20	1.00	<0.1	0.2	<0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
		·	B. Chemical Tes	t Results:	· · ·		·
7	Total Hardness, (mg/L)	200.00	600.00	161.44	165.47	157.40	161.44
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9

O.H.R. – OVER HEAD RESERVOIR

Sd/-Chemist Central Water Testing Laboratory NTKD – I, P.H.E. Dte

Date of Testing: 10.02.2020

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 12.02.2020

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Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PH	E SUPPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			ZONE	- IV		
			(15 10300-2012)	INLET OF	OUTLET OF	Senior Citizen	BE-17	BB - 50	BC - 105
				O.H.R.	O.H.R.	Park			
A. Ph	ysico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.71	7.70	7.71	7.67	7.72
2	Temperature(degree C)			23.3	23.3	23.4	23.3	23.3	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.5	182.6	184.2	182.9	184.2	182.6
4	Turbidity (NTU)	1.00	5.00	1.16	1.33	1.66	0.72	0.93	1.27
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.2	0.15	<0.1	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cł	nemical Test Results:					1		I	
7	Total Hardness (mg/L)	200.00	600.00	141.26	141.26	149.33	141.26	149.33	141.26
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9
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O.H.R. – OVER HEAD RESERVOIR

TEST REPORT: ACTION AREA - I, ZONE - VI

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

Date of Testing: 13.02.2020

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURC	E (PHE SUPPLY)					
		(IS 10500-2012)			ZONE - VI						
			(13 10300-2012)	OUTLET OF O.H.R.	NBCC	CE/1/A/97	CE-74	CE-197			
	A. Physico - chemical Tes	t Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.71	7.80	7.75	7.81			
2	Temperature(degree C)			23.4	23.5	23.5	23.4	23.6			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.7	181.1	181.7	182.3	182.4			
4	Turbidity (NTU)	1.00	5.00	1.80	1.50	1.55	1.34	1.61			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.1	0.2	0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
	B. Chemical Test Results:	1				1	1	I			
7	Total Hardness (mg/L)	200.00	600.00	149.33	149.33	149.33	153.36	153.36			
8	Total Alkalinity (mg/L)	200.00	600.00	174.76	174.76	174.76	179.9	179.9			

O.H.R. – OVER HEAD RESERVOIR,

TEST REPORT: <u>AA – I, ZONE – III</u>

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

Date of Testing: 13.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of								
		(IS 10500-2012)	alternate Source (IS 10500-2012)	ZONE - III							
			(15 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R	NKDA Office	AI/B/13	AL/1/C/40	AL/1/C/28		
	A. Physico-chemical Tes	t Results :							•		
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.67	7.62	7.62	7.65	7.63		
2	Temperature(degree C)			23.6	23.8	23.8	23.0	23.1	23.2		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.1	182.5	181.7	182.7	181.9	182.5		
4	Turbidity, (NTU)	1.00	5.00	1.21	1.22	1.12	1.26	1.13	1.58		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.25	0.15	0.15	0.1	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
	B. Chemical Test Re	esults :									
7	Total Hardness, (mg/L)	200.00	600.00	157.40	153.36	153.36	153.36	149.33	153.36		
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	174.76	179.9	174.76	179.9		

O.H.R. - OVER HEAD RESERVOIR,

TEST REPORT: <u>AA – I, ZONE – VII</u> Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 17.02.2020

SI.	Characteristic	Requirement	Permissible Limit			SOURCE (PHE	SUPPLY)		
No		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source			ZONE - Y	VII		
			(IS 10500-2012)	INLET OF	OUTLET OF	DC - 57	DF - 94	HIDCO	DA-88
				O.H.R.	O.H.R.			Adm.	
								Building	
A. Ph	ysico-chemical Test Results:	•							
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.68	7.69	7.67	7.57	7.62
2	Temperature(degree C)			24.5	24.3	24.6	24.5	24.2	24.4
3	Total Dissolved Solid.	500.00	2000.00	181.2	180.8	182.0	181.6	181.4	180.5
4	Turbidity, (NTU)	1.00	5.00	1.43	1.64	1.85	1.74	1.96	1.64
5	Residual Free Chlorine	0.20	1.00	0.2	0.35	0.2	<0.1	<0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	hemical Test Results:		· ·					•	
7	Total Hardness, (mg/L)	200.00	600.00	141.82	137.76	145.87	141.82	141.82	137.76
8	Total Alkalinity, (mg/L)	200.00	600.00	153.52	153.52	157.56	153.52	153.52	149.48
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	20.9	20.9	22.8	20.9	20.9	20.9
C. Ba	acteriological Test Results:		·			•		•	
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (PHE S	SUPPLY)		
No		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source			ZONE - V	III		
			(IS 10500-2012)	INLET OF	OUTLET OF	DA-30	DA-136	DC-23	DB-222
				O.H.R.	O.H.R.				
A. Ph	ysico-chemical Test Results:						•		1
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.73	7.76	7.71	7.72	7.69
2	Temperature(degree C)			24.4	24.6	25.1	24.9	25.2	24.7
3	Total Dissolved Solid.	500.00	2000.00	182.7	181.4	181	180.5	180.5	180.7
4	Turbidity. (NTU)	1.00	5.00	1.62	1.89	1.38	1.84	1.59	1.89
5	Residual Free Chlorine	0.20	1.00	0.4	0.3	0.1	<0.1	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	hemical Test Results:						•		1
7	Total Hardness. (mg/L)	200.00	600.00	145.87	141.82	141.82	137.76	137.76	137.76
8	Total Alkalinity. (mg/L)	200.00	600.00	157.56	153.52	153.52	153.52	149.48	149.48
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	22.8	20.9	20.9	19.0	19.0	20.9
C. Ba	acteriological Test Results:		•		•		•	•	•
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

Date of Testing: 17.02.2020

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

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

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit		SOURCE (PHE SUPPLY)	
110		(IS 10500-2012)	in the absence of - alternate Source		ZONE - X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD 4D
A. Phy	sico-chemical Test Results:	·	· · ·		•	
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.64	7.68
2	Temperature(degree C)			25.1	25.3	25.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	182.8	182.4	182.2
4	Turbidity, (NTU)	1.00	5.00	1.83	1.13	1.11
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.25	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Che	emical Test Results:	·				
7	Total Hardness, (mg/L)	200.00	600.00	158.02	153.97	153.97
8	Total Alkalinity, (mg/L)	200.00	600.00	161.6	161.6	157.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.60	26.60	26.60
	Bacteriological Test Results :					
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.

TEST REPORT: <u>AA – I, ZONE – X</u> Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological)</u>

Date of Testing: 18.02.2020

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

SI. SOURCE (PHE SUPPLY) **Permissible Limit** Requirement No Characteristic (Acceptable Limit) in the absence (IS 10500-2012) ZONE - IX of alternate INLET OF O.H.R. OUTLET OF O.H.R. DAWAT **Rishi Tower** Source RESTAURANT (IS 10500-2012) A. Physico-chemical Test Results: 7.52 7.67 1 pH Value. 7.68 7.65 6.5-8.5 6.5-8.5 2 25.3 25.3 25.2 25.3 **Temperature(degree C)** --------3 Total Dissolved Solid. (mg/L) 182.4 181.3 181.9 181.1 500.00 2000.00 4 Turbidity, (NTU) 1.76 1.80 1.90 1.87 5.00 1.00 5 **Residual Free Chlorine(mg/L)** 0.2 0.4 0.15 0.25 0.20 1.00 6 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: 7 Total Hardness, (mg/L) 153.97 149.92 149.92 149.92 200.00 600.00 8 Total Alkalinity, (mg/L) 161.6 157.56 157.56 157.56 200.00 600.00 9 Iron(as Fe), mg/L <0.1 <0.1 <0.1 <0.1 1.0 No Relaxation 10 Chloride (mg/L) 26.60 26.60 24.7 24.70 250.00 1000.00 C.Bacteriological Test Results : 11 Total Coliform (CFU/100 ml) Absent Absent N.F. N.F. N.F. N.F. 12 Fecal Coliform (CFU/100 ml) N.F. N.F. N.F. N.F. Absent Absent

TEST REPORT: <u>AA – I, ZONE – IX</u> Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological)</u>

Date of Testing: 18.02.2020

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

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 24.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source			SOURCE (PHI ZONE			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 26	AD - 01	AC - 107	AC - 50
A. P	Physico-chemical Test Result	ts:							
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.81	7.69	7.64	7.65	7.65
2	Temperature(degree C)			25.5	25.4	25.4	25.5	25.4	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.3	172.7	173.3	173.7	173.1	173.4
4	Turbidity (NTU)	1.00	5.00	1.52	1.46	1.77	1.21	1.70	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.2	0.1	0.2	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (Chemical Test Results:	I							1
7	Total Hardness (mg/L)	200.00	600.00	149.92	145.87	149.92	149.92	149.92	149.92
8	Total Alkalinity (mg/L)	200.00	600.00	141.4	145.44	141.4	141.4	141.4	141.4
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	20.90	19.00	20.90	20.90	20.90	20.90
C.B	acteriological Test Results :			I				-	
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
	OHR - OVER HEAD	RESERVOIR NE - NOT	FOUND						

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

Sd/-

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 24.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source			SOURCE (PHI ZONE			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 26	AD - 01	AC - 107	AC - 50
A. P	hysico-chemical Test Result	s:	·	· · · · ·	·				
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.81	7.69	7.64	7.65	7.65
2	Temperature(degree C)			25.5	25.4	25.4	25.5	25.4	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.3	172.7	173.3	173.7	173.1	173.4
4	Turbidity (NTU)	1.00	5.00	1.52	1.46	1.77	1.21	1.70	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.2	0.1	0.2	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (Chemical Test Results:	I	1						
7	Total Hardness (mg/L)	200.00	600.00	149.92	145.87	149.92	149.92	149.92	149.92
8	Total Alkalinity (mg/L)	200.00	600.00	141.4	145.44	141.4	141.4	141.4	141.4
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	20.90	19.00	20.90	20.90	20.90	20.90
C.B	acteriological Test Results :		•				-		
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 27.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source			SOURCE (PH			
		(1) 10500 2012)	(IS 10500-2012)			ZONE	- IV		
				INLET OF O.H.R.	OUTLET OF O.H.R.	Senior Citizen Park	BE - 17	BB - 50	BC - 105
A. Phy	sico-chemical Test Results:	L				I I		I	I
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.58	7.57	7.58	7.57	7.58
2	Temperature(degree C)			24.9	25.0	24.9	24.5	24.8	24.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.1	170.8	171.3	170.8	170.1	171.0
4	Turbidity (NTU)	1.00	5.00	1.55	1.37	1.50	1.38	1.87	1.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.2	0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:					11		I	I
7	Total Hardness (mg/L)	200.00	600.00	145.87	145.87	145.87	145.87	145.87	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	133.32	129.28	133.32	133.32	129.28	133.32
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	20.90	20.90	20.90	20.90	20.90	20.90
CBac	teriological Test Results :	•			•			•	•
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

TEST REPORT: ACTION AREA - I, ZONE – V Sub. : Water Testing (Physico-Chemical, Chemical & Bacteriological)

Date of Testing: 27.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PHE	E SUPPLY)				
		(IS 10500-2012)	alternate Source (IS 10500-2012)	alternate Source			ZONE - V				
			(13 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CB-08	CA-81		
I	Physico - chemical Test Results:				•						
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.55	7.72	7.65	7.70	7.66		
2	Temperature(degree C)			25.4	25.1	25.1	25.1	25.1	25.0		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.1	184.4	173.3	172.0	172.2	172.1		
4	Turbidity (NTU)	1.00	5.00	1.76	1.52	1.57	1.60	1.86	1.39		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.1	0.1	0.1	<0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cl	nemical Test Results:					1	1	1			
7	Total Hardness (mg/L)	200.00	600.00	145.87	145.87	145.87	145.87	145.87	145.87		
8	Total Alkalinity (mg/L)	200.00	600.00	137.36	137.36	137.36	133.32	133.32	133.32		
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	19.00	19.00	19.00	20.90	20.90	20.90		
	acteriological Test Results :										
СВ	8					1					
CB	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.		
		Absent Absent	Absent Absent	N.F. N.F.	N.F. N.F.	N.F. N.F.	N.F. N.F.	N.F. N.F.	N.F. N.F.		

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

TEST REPORT: <u>AA – I, ZONE – VII</u>

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

Date of Testing: 28.02.2020

SI.	Characteristic	Requirement	Permissible Limit			SOURCE (PHE	SUPPLY)					
No		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	burce								
			(15 10000 2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DA - 88	HIDCO Admin. Building	DF - 94			
A. Phy	vsico-chemical Test Results:	1		L		1		- L				
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.61	7.54	7.46	7.55	7.57			
2	Temperature(degree C)			25.4	25.4	25.9	25.4	25.6	25.5			
3	Total Dissolved Solid.	500.00	2000.00	171.1	171.2	171.7	172.7	171.8	171.3			
4	Turbidity, (NTU)	1.00	5.00	1.19	1.58	1.80	2.28	1.84	1.69			
5	Residual Free Chlorine	0.20	1.00	<0.1	0.3	0.25	<0.1	<0.1	<0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. Ch	emical Test Results:											
7	Total Hardness, (mg/L)	200.00	600.00	149.92	149.92	149.92	149.92	149.92	149.92			
8	Total Alkalinity, (mg/L)	200.00	600.00	145.44	145.44	145.44	145.44	145.44	145.44			

O.H.R. – OVER HEAD RESERVOIR

TEST REPORT: <u>AA – I. ZONE – VIII</u>

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

Date of Testing: 28.02.2020

SI.	Characteristic	Requirement	Permissible Limit			SOURCE (PHE SUPPLY)				
No		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source	ZONE - VIII							
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DA-136	DC-23	DB-222		
A. P	hysico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.62	7.56	7.56	7.65	7.58		
2	Temperature(degree C)			25.7	25.8	25.9	25.8	25.6	25.8		
3	Total Dissolved Solid(mg/L)	500.00	2000.00	173.1	173.2	173.0	173.2	172.2	173.1		
4	Turbidity (NTU)	1.00	5.00	1.64	1.74	1.29	1.44	1.60	1.48		
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.15	0.25	0.15	<0.2	<0.1	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	Chemical Test Results:		1				I				
7	Total Hardness. (mg/L)	200.00	600.00	153.97	153.97	153.97	153.97	149.92	153.97		
8	Total Alkalinity. (mg/L)	200.00	600.00	149.48	149.48	149.48	149.48	145.44	149.48		

O.H.R. – OVER HEAD RESERVOIR

ACTION AREA – II (FEBRUARY' 2020)

TEST REPORT: <u>AA – II C, ZONE – I</u>

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

Date of Testing: 07.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOU	RCE (PHE SUP	PLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			А	A – IIC, ZONE	- I		
			(15 10300-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	J.S.W STEEL (11C/3)	STAR LIT COMPLEX	HILAND WOODS	MOON BEAM	NKDA Mkt.
A. I	Physico-chemical Test Resu	lts:		-						1
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.72	7.73	7.76	7.76	7.69	7.72
2	Temperature (degree C)			23.1	23.1	23.1	23.1	23.2	23.6	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181	180.1	180.2	181	180.1	180.8	180.5
4	Turbidity (NTU)	1.00	5.00	1.93	1.54	2.06	1.86	1.94	2.15	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.4	0.2	0.3	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	149.33	145.29	145.29	149.33	145.29	145.29	145.29
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9	179.9
	O.H.R. – OVER HEAI	O RESERVOIR								

TEST REPORT: <u>AA – II D, ZONE – V</u>

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

Date of Testing: 07.02.2020

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				
		(IS 10500-2012)	alternate Source (IS 10500-2012)		AA – IID, Z	ZONE - V	
			(15 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD
							SONATA
A. P	hysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.79	7.76	7.81
2	Temperature (degree C)			23.4	23.4	23.1	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.7	179.8	180.1	179.9
4	Turbidity (NTU)	1.00	5.00	2.13	2.17	2.11	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.3	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. (Chemical Test Results:	I	L				-
7	Total Hardness (mg/L)	200.00	600.00	145.29	145.29	145.29	145.29
8	Total Alkalinity (mg/L)	200.00	600.00	174.76	174.76	179.9	174.76

O.H.R. - OVER HEAD RESERVOIR,

TEST REPORT: <u>AA – IIG, ZONE – XI</u>

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

Date of Testing:10.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)					
		(IS 10500-2012)	alternate Source		AA – IIG, ZONE – XI				
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT			
A. Pl	nysico-chemical Test Results:	1			L	1			
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.76	7.80			
2	Temperature (degree C)			23.3	23.4	23.4			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.3	182.6	181.9			
4	Turbidity (NTU)	1.00	5.00	1.83	1.71	1.53			
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.2	0.1			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B. C	Chemical Test Results:	·	· · ·						
7	Total Hardness (mg/L)	200.00	600.00	161.44	161.44	161.44			
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9			

O.H.R. – OVER HEAD RESERVOIR

TEST REPORT: <u>AA – II A, ZONE – X</u>

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

Date of Testing: 12.02.2020

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)				
		(IS 10500-2012)	alternate Source		AA – IIA, ZONE – X			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY		
A. Ph	ysico-chemical Test Results:	1	1		1			
1	pH Value.	6.5-8.5	6.5-8.5	7.52	7.72	7.63		
2	Temperature (degree C)			23.6	23.4	23.4		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.3	183.6	182.9		
4	Turbidity (NTU)	1.00	5.00	2.36	1.92	1.84		
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.2	0.15		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:	•	•	·	·			
7	Total Hardness (mg/L)	200.00	600.00	149.33	145.29	141.26		
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9		

O.H.R. – OVER HEAD RESERVOIR,

TEST REPORT: <u>AA – II B, ZONE – IV</u>

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

Date of Testing: 12.02.2020

$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOU	RCE (PHE SU	UPPLY)		
INCLETOF OH.R. OUTLET OF OH.R. HILAND OF OH.R. ANAHITA MALANCHA MARKET NKDA MARKET IU UI VII A. Physico-chemical Test Results: 23.4 23.4 23.6 23.5 23.7 23.5 2 23.4 23.4 183.7 182.9 183.9 183.8 1 4 Turbidity (NTU) 1.00 5.00 1.61 1.64 1.21 2.03 2.11 2.12 1 5 Residual Free Chlorine (mg/L) 0.20 1.00 <0.1 0.3 0.3 0.15 0.2 0.25				alternate Source			А	A – IIB, ZONI	E - IV		
1 pH Value. 6.5-8.5 6.5-8.5 7.58 7.53 7.54 7.54 7.59 7.60 7.60 2 Temperature (degree C) 23.4 23.4 23.6 23.5 23.7 23.5 23.7 3 Total Dissolved Solid (mg/L) 500.00 2000.00 183.9 184.3 183.7 182.9 183.9 183.8 1 4 Turbidity (NTU) 1.00 5.00 1.61 1.64 1.21 2.03 2.11 2.12 14 5 Residual Free Chlorine (mg/L) 0.20 1.00 <0.1 0.3 0.3 0.15 0.2 0.25 14 6 Odour Agreeable Agreeab				(18 10500-2012)				ANAHITA	MALANCHA		ECO URBAN VILLAGE
2 Temperature (degree C) 23.4 23.4 23.6 23.5 23.7 23.5 23.7 3 Total Dissolved Solid (mg/L) 500.00 2000.00 183.9 184.3 183.7 182.9 183.9 183.8 1 4 Turbidity (NTU) 1.00 5.00 1.61 1.64 1.21 2.03 2.11 2.12 1 5 Residual Free Chlorine (mg/L) 0.20 1.00 <0.1	A. P	hysico-chemical Test Results:									
3 Total Dissolved Solid (mg/L) 500.00 2000.00 183.9 184.3 183.7 182.9 183.9 183.8 1 4 Turbidity (NTU) 1.00 5.00 1.61 1.64 1.21 2.03 2.11 2.12 1 5 Residual Free Chlorine (mg/L) 0.20 1.00 <0.1	1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.53	7.54	7.54	7.59	7.60	7.59
4 Turbidity (NTU) 1.00 5.00 1.61 1.64 1.21 2.03 2.11 2.12 1 5 Residual Free Chlorine (mg/L) 0.20 1.00 <0.1	2	Temperature (degree C)			23.4	23.4	23.6	23.5	23.7	23.5	23.5
Image: State of the state o	3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.9	184.3	183.7	182.9	183.9	183.8	184.6
6 Odour Agreeable	4	Turbidity (NTU)	1.00	5.00	1.61	1.64	1.21	2.03	2.11	2.12	1.37
B. Chemical Test Results: 7 Total Hardness (mg/L) 200.00 600.00 145.29 149.33 145.29 141.26 145.29 145.29 145.29	5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.3	0.3	0.15	0.2	0.25	0.2
7 Total Hardness (mg/L) 200.00 600.00 145.29 149.33 145.29 141.26 145.29 145.29 14 8 Total Alla lisitie (mg/L) 170.0	6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. (Chemical Test Results:					·	·	· · · · · · · · · · · · · · · · · · ·		
8 Total Alkalinity (mg/L) 200.00 600.00 179.9 179.9 179.9 179.9 179.9 179.9 179.9 179.9 1	7	Total Hardness (mg/L)	200.00	600.00	145.29	149.33	145.29	141.26	145.29	145.29	149.33
	8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9	179.9

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O.H.R. – OVER HEAD RESERVOIR,

Sd/-

TEST REPORT: AA – IIG, ZONE – XI

		Sub. : <u>V</u>	Vater Testing (Physico-chem	ical, Chemical & Bacteri	iological) Date of	f Testing: 18.02.2020		
Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit	SOURCE (PHE SUPPLY)				
		Limit)	in the absence ofalternate Source					
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT		
A. Ph	ysico-chemical Test Resu	ilts:	1					
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.60	7.69		
2	Temperature (degree C)			25.2	25.1	25.1		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.8	180.5	180.3		
4	Turbidity (NTU)	1.00	5.00	1.86	1.98	2.09		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cl	hemical Test Results:		·		· · ·			
7	Total Hardness (mg/L)	200.00	600.00	149.92	145.87	145.87		
8	Total Alkalinity (mg/L)	200.00	600.00	157.56	153.52	153.52		
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	24.70	22.80	22.80		
C. Ba	acteriological Test Result	s:	·		·			
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.		

N.F.

Absent

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

Absent

Fecal Coliform (CFU/100 ml)

12

Sd/-Chemist Central Water Testing Laboratory NTKD - I P.H.E. Dte.

N.F.

N.F.

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 20.02.2020

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY) AA – IIA, ZONE – X				
		(IS 10500-2012)	alternate Source					
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	Aliah University		
A. Pl	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.63	7.63		
2	Temperature (degree C)			25.7	25.5	25.0		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.6	179.0	179.1		
4	Turbidity (NTU)	1.00	5.00	1.90	1.80	1.61		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.35	0.25		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	Chemical Test Results:	·	· · ·		·			
7	Total Hardness (mg/L)	200.00	600.00	153.97	158.02	158.02		
8	Total Alkalinity (mg/L)	200.00	600.00	153.52	153.52	153.52		
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	19.0	19.0	19.0		
С .Ва	acteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F		

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

TEST REPORT: <u>AA – II B, ZONE – IV</u>

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

Date of Testing: 20.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/	SOURCE (PHE SUPPLY) AA – IIB, ZONE - IV							
			(CPHEEO)								
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	
A. P	Physico-chemical Test Results:										
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.53	7.59	7.58	7.53	7.54	7.56	7.54	
2	Temperature (degree C)			26.1	26	25.8	25.8	25.9	25.8	25.7	
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.6	177.7	178.6	179.4	180.2	179.4	179.0	
4	Turbidity (NTU)	1/1	5/10	1.92	1.85	2.44	1.71	2.06	1.81	1.70	
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.3	0.2	0.25	0.1	0.15	0.25	
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
B. (Chemical Test Results:					·					
7	Total Hardness (mg/L)	200/200	600/600	158.02	153.97	153.97	158.02	158.02	158.02	158.02	
8	Total Alkalinity (mg/L)	200/200	600/600	153.52	149.48	153.52	153.52	153.52	153.52	153.52	
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
10	Chloride (mg/L)	250/200	1000/1000	19.00	19.00	19.00	19.00	19.00	19.00	19.00	
C.B	acteriological Test Results :	-		•	•	•	•	•		•	
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F	
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F	

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

TEST REPORT: <u>AA – II C, ZONE – I</u>

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

Date of Testing: 26.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)							
		(IS 10500-2012)	alternate Source	AA – IIC, ZONE - I							
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	STARLIT COMPLEX	HILAND WOODS	MOON BEAM	NKDA Mkt.	
A. I	Physico-chemical Test Resu	lts:		I		1		1			
1	pH Value.	6.5-8.5	6.5-8.5	7.49	7.64	7.63	7.59	7.69	7.67	7.57	
2	Temperature (degree C)			25.4	25.3	24.8	25.1	25.2	25.1	24.8	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.0	174.4	172.8	172.2	142.5	173.6	174.3	
4	Turbidity (NTU)	1.00	5.00	1.52	1.77	2.05	1.93	2.06	1.95	1.73	
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.2	<0.1	0.2	0.1	0.2	0.15	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В.	Chemical Test Results:				I			I	I	L	
7	Total Hardness (mg/L)	200.00	600.00	145.87	145.87	141.82	141.82	141.82	141.82	145.87	
8	Total Alkalinity (mg/L)	200.00	600.00	149.48	149.48	145.44	145.44	145.44	145.44	149.48	
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
10	Chloride (mg/L)	250.00	1000.00	20.90	20.90	19.00	19.00	19.00	19.00	20.90	
C.]	Bacteriological Test Result	s:				•					
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F	
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F	
	N.F- NOT FOUND.	O.H.R OVER HEAD RESER	VOIR								

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

Sd/-Chemist & Bacteriologist Central Water Testing Laboratory NTKD - I P.H.E. Dte.

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

TEST REPORT: <u>AA – II D, ZONE – V</u> Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological)</u>

Date of Testing: 26.02.2020

Sl. No	Characteristic	Requirement (Acceptable Limit) (JS 10500 2012)	Permissible Limit in the absence of alternate	SOURCE (PHE SUPPLY) AA – IID, ZONE - V					
		(IS 10500-2012)	Source (IS 10500-2012)						
				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	7.41	7.52	7.49	7.45		
2	Temperature (degree C)			24.9	24.8	24.8	24.5		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	172.9	172.0	172.2	172.7		
4	Turbidity (NTU)	1.00	5.00	1.48	2.05	1.90	1.87		
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.35	0.15	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:		· · ·						
7	Total Hardness (mg/L)	200.00	600.00	141.4	141.4	141.4	141.4		
8	Total Alkalinity (mg/L)	200.00	600.00	145.44	145.44	145.44	145.44		
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	19.00	19.00	19.00	19.00		
C. Ba	acteriological Test Results:		·						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F		

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

TEST REPORT: <u>AA – II D, ZONE – VI</u> Sub. : <u>Water Testing (Physico-chemical, Chemical & Bacteriological)</u>

Date of Testing: 26.02.2020

SI. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY) AA – IID, ZONE - VI					
		(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	7.42	7.72	7.71	7.65		
2	Temperature (degree C)			24.9	24.9	23.0	24.9		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.9	173.9	174.2	174.0		
4	Turbidity (NTU)	1.00	5.00	1.50	1.84	2.17	1.68		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.2	0.1	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B.	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	145.87	145.87	145.87	145.87		
8	Total Alkalinity (mg/L)	200.00	600.00	149.48	145.44	149.48	149.48		
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	20.90	20.90	20.90	20.90		
C. 1	Bacteriological Test Results:		· · · · · · ·		· · ·				
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F		

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