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

WATER QUALITY ANANALYSIS REPORT AT DIFFERENT LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING MONTH

JUNE' 2018

ACTION AREA – I (JUNE'2018)

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

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

TEST REPORT: ACTION AREA - I, ZONE - VI

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

Sl.	Characteristic	Requirement	Permissible Limit		SOU	IRCE (PHE SUPPI	LY)	
No		(Acceptable Limit) (IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)			ZONE - VI		
		(CPHEEO)		INLET OF O.H.R.	OUTLET OF O.H.R.	CE /1/A/138	CE /1/C/139	CE -74
	A. 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	7.34	7.58	7.64	7.70	7.76
2	Temperature(degree C)			25.7	26.0	25.8	25.8	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	156.2	157.5	156.3	155.8	156.0
4	Turbidity (NTU)	1/1	5/10	1.34	1.74	1.69	1.27	1.38
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.3	0.2	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Results:				<u> </u>			
7	Total Hardness (mg/L)	200/200	600/600	146.88	142.80	146.88	146.88	142.80
8	Total Alkalinity (mg/L)	200/200	600/600	128.96	124.80	124.80	124.80	124.80
10	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
11	Fluoride, mg/L	1/1	1.5/1.5	<0.1	<0.1	<0.1	<0.1	<0.1
12	Chloride (mg/L)	250/200	1000/1000	19.43	19.43	19.43	19.43	19.43
	C. Bacteriological Test Resul	lts:	·		,		1	
13	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
14	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

Date of Testing: 11.06.18

DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

TEST REPORT: AA – I, ZONE – III

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		so	URCE (PHE SUPPLY)		
		(IS 10500-2012)/ (CPHEEO)	(СРНЕЕО)			ZONE - III		
		(CITELO)		INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	AK-50	AL /1/C/40
	A. 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	7.62	7.66	7.79	7.72	7.66
2	Temperature(degree C)			25.5	25.3	25.5	25.5	25.4
3	Total Dissolved Solid.	500/500	2000/2000	154.6	154.7	155.7	155.4	154.4
4	Turbidity, (NTU)	1/1	5/10	1.40	1.30	1.22	1.34	1.33
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.4	0.3	0.1	0.1	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Results	:						
7	Total Hardness, (mg/L)	200/200	600/600	150.96	146.88	146.88	146.88	146.88
8	Total Alkalinity, (mg/L)	200/200	600/600	133.12	128.96	128.96	133.12	133.12
10	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
11	Fluoride, mg/L	1/1	1.5/1.5	<0.1	<0.1	<0.1	<0.1	<0.1
12	Chloride (mg/L)	250/200	1000/1000	19.43	19.43	19.43	19.43	19.43
	C. Bacteriological Test Resu	ilts:					l	1
13	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
14	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

Date of Testing: 11.06.18

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

TEST REPORT: ACTION AREA -I, ZONE - I

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		S	OURCE (PHE SUP	PLY)			
		(IS 10500-2012)/	(CPHEEO)		ZONE - I					
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 26	AD - 1	AC - 107		
A. 1	 Physico-chemical Test Result	ts:								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.30	7.34	7.40	7.46	7.47		
2	Temperature(degree C)			29.3	29.5	29.6	29.5	29.6		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	147.9	148.3	147.2	146.5	146.7		
4	Conductivity (µS/cm)			296	297	294	293	293		
5	Turbidity (NTU)	1/1	5/10	2.72	1.81	1.55	1.75	1.41		
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.2	0.2	0.1	0.2		
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В.	Chemical Test Results:	l								
8	Total Hardness (mg/L)	200/200	600/600	124.20	120.06	124.20	124.20	124.20		
9	Total Alkalinity (mg/L)	200/200	600/600	112.56	108.54	112.56	112.56	112.56		

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 18.06.18

DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

TEST REPORT: ACTION AREA -I, ZONE - II

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

Characteristic	Requirement	Permissible Limit			SOURCE (PHE SUPP	LY)					
	(IS 10500-2012)/	(CPHEEO)	ZONE - II								
	(Crieeo)		INLET OF O.H.R.	OUTLET OF O.H.R.	NEW TOWN BUS TERMINUS	BA-120	AB-13				
 hysico-chemical Test Results	<u> </u> S:										
pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.09	7.36	7.36	7.37	7.39				
Temperature(degree C)			28.3	28.9	28.6	28.6	28.3				
Total Dissolved Solid (mg/L)	500/500	2000/2000	146.7	146.0	146.3	146.1	146.1				
Conductivity (µS/cm)			293	292	293	292	292				
Turbidity (NTU)	1/1	5/10	1.16	1.36	1.36	1.27	1.64				
Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.2	0.1	0.1	0.15				
Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable				
Chemical Test Results:				l	1						
Total Hardness (mg/L)	200/200	600/600	122.64	118.55	122.64	122.64	118.55				
Total Alkalinity (mg/L)	200/200	600/600	104.52	100.50	104.52	104.52	100.50				
	Physico-chemical Test Results pH Value. Temperature(degree C) Total Dissolved Solid (mg/L) Conductivity (μS/cm) Turbidity (NTU) Residual Free Chlorine (mg/L) Odour Chemical Test Results: Total Hardness (mg/L)	Chemical Test Results: pH Value. pH Value. 6.5 to 8.5/7.0 to 8.5 Temperature(degree C) Total Dissolved Solid (mg/L) Conductivity (μS/cm) Turbidity (NTU) Residual Free Chlorine (mg/L) Odour Agreeable/ Agreeable Chemical Test Results: Total Hardness (mg/L) 200/200	(Acceptable Limit) (IS 10500-2012)/ (CPHEEO) (CPHEEO) (CPHEEO) (IS 10500-2012)/ (CPHEEO) (CPHEEO) (CPHEEO) (IS 10500-2012)/ (CPHEEO) (CPHEEO) (CPHEEO) (CPHEEO) (IS 10500-2012)/ (CPHEEO) (CPHEO) (CPHOO) (COO) (CO	(Acceptable Limit) (IS 10500-2012)/ (CPHEEO) (IS 10500-2012)/ (CPHEEO) (IS 10500-2012)/ (CPHEEO) INLET OF O.H.R. Physico-chemical Test Results: pH Value. 6.5 to 8.5/7.0 to 8.5 6.5 to 8.5/6.5 to 9.2 7.09 Temperature(degree C) 28.3 Total Dissolved Solid (mg/L) 500/500 2000/2000 146.7 Conductivity (μS/cm) 293 Turbidity (NTU) 1/1 5/10 1.16 Residual Free Chlorine (mg/L) 0.2/0.2 0.2/>1.0 0.3 Odour Agreeable/ Agreeable Agreeable Agreeable Agreeable Chemical Test Results: Total Hardness (mg/L) 200/200 600/600 122.64	(Acceptable Limit) (IS 10500-2012)/ (CPHEEO) INLET OF O.H.R. OUTLET OF O.H.R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R. OH,R.	(Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	(Acceptable Limit) (IS 10500-2012)/ (CPHEEO) (CPHEEO)				

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 19.06.18

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

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 20.06.18

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		SOUR	RCE (PHE SUPP	LY)	
		(IS 10500-2012)/ (CPHEEO)	(СРНЕЕО)			ZONE - IV		
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50
A. Ph	ysico-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	7.21	7.46	7.53	7.54	7.56
2	Temperature(degree C)			28.3	28.3	28.3	28.1	28.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	146.9	146.5	146.2	148.9	145.5
4	Conductivity (µS/cm)			294	293	292	298	291
5	Turbidity (NTU)	1/1	5/10	1.77	1.36	1.78	1.58	1.70
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.05	0.05	0.1	0.05	0.05
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	hemical Test Results:			1			1	•
8	Total Hardness (mg/L)	200/200	600/600	118.55	114.46	114.46	118.55	118.55
9	Total Alkalinity (mg/L)	200/200	600/600	104.52	100.50	104.52	104.52	104.52
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O.H.R. - OVER HEAD RESERVOIR

Sd/Chemist
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: ACTION AREA - I, ZONE - VI

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

Sl.	(Acceptable Limit) (IS 10500-2012)/ (CPHEE)	Permissible Limit		SOUI	RCE (PHE SUPP	PLY)		
No			(IS 10500-2012)/ (CPHEEO)			ZONE - VI		
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/C/139	CE -74
	A. Physico - chemical T	est Results:						
1	pH Value.	6.5 to 8.5/7.0 to	6.5 to 8.5/6.5 to	7.33	7.36	7.39	7.43	7.44
		8.5	9.2					
2	Temperature(degree C)			27.9	28.1	27.9	27.6	27.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	144.7	144.9	146.4	144.6	148.1
4	Turbidity (NTU)	1/1	5/10	1.62	1.48	1.52	1.44	1.70
5		0.2/0.2	0.2/>1.0	0.05	0.1	0.1	0.1	0.05
6	Odour		Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:						
7	Total Hardness (mg/L)	200/200	600/600	118.55	114.46	118.55	114.46	118.55
8	Total Alkalinity (mg/L)	200/200	600/600	96.48	92.46	96.48	96.48	92.46

O.H.R. - OVER HEAD RESERVOIR,

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

Date of Testing: 22.06.18

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		SO	OURCE (PHE SUPPLY)		
		(IS 10500-2012)/	(CPHEEO)			ZONE - III		
		(СРНЕЕО)		INLET OF O.H.R.	AXIS MALL	AL /1/C/40		
	A. Physico-chemical Test	Results:			O.H.R.			
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.12	7.36	7.38	7.39	7.40
2	Temperature(degree C)			27.6	27.3	27.2	27.2	27.5
3	Total Dissolved Solid.	500/500	2000/2000	144.3	145.9	144.9	144.2	144.4
4	Turbidity, (NTU)	1/1	5/10	1.60	2.34	1.41	1.47	1.46
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.4	0.1	0.1	0.1	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Results	:		1	1			
7	Total Hardness, (mg/L)	200/200	600/600	114.46	110.38	110.38	110.38	110.38
8	Total Alkalinity, (mg/L)	200/200	600/600	100.5	96.48	96.48	96.48	96.48

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 22.06.18

DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

TEST REPORT: ACTION AREA - I, ZONE - V

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

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (PHE SUI	PPLY)	
No		(Acceptable Limit) (IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)			ZONE - V		
		(CPHEEO)		INLET OF	OUTLET OF	CC-201	CD-125	CB-08
				O.H.R.	O.H.R.			
	A. Physico - chemical Test F	Results:		<u> </u>				
1	pH Value.	6.5 to 8.5/7.0 to	6.5 to 8.5/6.5 to 9.2	7.35	7.42	7.43	7.45	7.46
		8.5						
2	Temperature(degree C)			25.2	25.4	25.4	25,2	25.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	143.8	142.9	142.6	142.0	142.3
4	Conductivity (μS/cm)			288	286	285	284	285
5	Turbidity (NTU)	1/1	5/10	0.99	2.19	1.33	1.42	1.19
6	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.1	0.15	0.1	0.05	0.1
	(mg/L)							
7	Odour	Agreeable/	Agreeable/	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
		Agreeable	Agreeable					
В. (Chemical Test Results:							
8	Total Hardness (mg/L)	200/200	600/600	118.55	114.46	114.46	110.38	114.46
9	Total Alkalinity (mg/L)	200/200	600/600	96.48	96.48	92.46	96.48	96.48

O.H.R. - OVER HEAD RESERVOIR,

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

Date of Testing: 27.06.18

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII & VIII

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

Date of Testing: 29.06.18

Sl.	Characteristic	Requirement	Permissible Limit				SOURCE (Pl	HE SUPPLY)			
No		(Acceptable Limit)	(IS 10500-2012)/		ZONE - VII				ZONE - VIII		
		(IS 10500-2012)/ (CPHEEO)	(СРНЕЕО)	OUTLET OF O.H.R.	DC - 57	DF - 94	INLET OF O.H.R.	OUTLET OF O.H.R.	DA - 30	DA - 136	DC - 23
A. Pł	nysico-chemical Test Results:			Of Office.			O.H.K.	OI OIII.K.			
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.56	7.56	7.48	7.28	7.38	7.53	7.55	7.54
2	Temperature(degree C)			24.6	24.4	24.2	26.8	26.6	26.5	26.4	26.5
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	140	143	142	142	143	141	140	141
4	Turbidity, (NTU)	1/1	5/10	1.32	1.20	1.30	1.09	1.27	1.30	1.13	1.24
5	Residual Free Chlorine, (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.05
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:	1	1			L	L		l		
7	Total Hardness, (mg/L)	200/200	600/600	114.13	110.05	114.13	122.28	122.28	118.20	114.13	118.20
8	Total Alkalinity, (mg/L)	200/200	600/600	92.46	96.48	100.50	100.50	96.48	92.46	92.46	92.46

O.H.R. - OVER HEAD RESERVOIR

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

ACTION AREA – II (JUNE' 2018)

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

Date of Testing: 07.06.18

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/				PHE SUPPLY)				
		(IS 10500-2012)/ (CPHEEO)	(CPHEEO)			AA – IIC, ZONE - I					
		(CITIEEO)		INLET OF	OUTLET OF	AKANKHA	STARL IT	MOON BEAM	HILAND		
				O.H.R.	O.H.R.		COMPLEX		WOODS		
A. I	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	7.51	7.63	7.67	7.69	7.72	7.71		
2	Temperature (degree C)			31.5	31.2	31.5	31.3	31.6	31.8		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	164	163	162.5	162.5	163	163.5		
4	Turbidity (NTU)	1/1	5/10	1.62	1.65	1.64	1.70	1.57	1.60		
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.4	0.2	0.3	0.35	0.25		
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В.	Chemical Test Results:										
7	Total Hardness (mg/L)	200/200	600/600	133.45	129.41	125.36	125.36	129.41	129.41		
8	Total Alkalinity (mg/L)	200/200	600/600	116.58	112.56	108.54	108.54	112.56	112.56		
	O II D OVED III										

O.H.R. - OVER HEAD RESERVOIR

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

DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

TEST REPORT: AA – II D, ZONE – VI & V

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

Date of Testing: 07.06.18

Sl. No	Characteristic	Requirement	Permissible Limit				SO	URCE (PI	HE SUPPL	Y)					
		(Acceptable Limit)	(IS 10500-2012)/ (CPHEEO)		AA – IID,	ZONE - VI				AA – IID,	ZONE - V	ZONE - V			
	(IS 10500-2012)/ (CPHEEO)		INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREEN WOOD ELEMENT	GREEN FIELD AMBITIO N	INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA	WOOD	UJJALA			
A. F	Physico-chemical Test Resu	ılts:		L	L			L				I			
1	pH Value.	6.5 to 8.5/7.0 to	6.5 to 8.5/6.5 to	7.68	7.74	7.73	7.75	7.74	7.78	7.76	7.76	7.73	7.75		
		8.5	9.2												
2	Temperature (degree C)			31.5	31.2	31.7	31.8	31.1	31.3	31.2	31.4	31.2	31.6		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	163	162.5	163	164	162.2	162.5	163.2	162.3	162.6	161.8		
4	Turbidity (NTU)	1/1	5/10	1.95	1.71	1.68	1.93	1.69	1.61	1.65	1.80	1.49	1.75		
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.4	0.3	0.25	0.1	0.45	0.35	0.4	0.3	0.3		
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В.	Chemical Test Results:														
7	Total Hardness (mg/L)	200/200	600/600	129.41	125.36	125.36	133.45	142.80	138.72	138.72	138.72	142.80	142.80		
8	Total Alkalinity (mg/L)	200/200	600/600	108.54	108.54	112.56	116.58	128.96	124.80	128.96	124.80	124.80	124.80		
	OHR - OV	ER HEAD RESERVOIR		•	•	•	1	•		1		•			

O.H.R. – OVER HEAD RESERVOIR

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