# WATER QUALITY ANANALYSIS REPORT AT DIFFERENT LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING MONTH FEBRUARY' 2019

### ACTION AREA – I (FEBRUARY' 2019)

#### 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 & Bacteriological)

Sl.	Characteristic	Requirement	Permissible Limit		SOU	RCE (PHE SUPPL	<b>Y</b> )	
No		(Acceptable Limit) (IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)			ZONE - VI		
		(CPHEEO)		INLET OF O.H.R.	OUTLET OF O.H.R.	CE-200	CE/1/C/139	CE-74
	A. Physico - chemical Test	t Results:						
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.61	7.62	7.69	7.70	7.73
2	Temperature(degree C)			24.3	24.2	23.5	23.9	23.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	191.0	191.5	190.1	191.0	189.2
4	Turbidity (NTU)	1/1	5/10	1.96	1.96	2.08	1.78	2.18
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	0.2	0.1	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Results:	l	l l				l l	
7	Total Hardness (mg/L)	200/200	600/600	154.47	154.47	154.47	154.47	154.47
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	145.08	149.76	145.08
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	19.00	20.90	19.00	19.00	19.00
	C. Bacteriological Test Results	S:					I I	
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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: 07.02.19

#### 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 & Bacteriological)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		SOUR	CE (PHE SUPPLY)		
110		(IS 10500-2012)/ (CPHEEO)	(СРНЕЕО)			ZONE - III		
		(CITEEO)		INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AI-16	AI/153/18
	A. Physico-chemical Test	t Results :		1			1	
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.39	7.64	7.61	7.62	7.63
2	Temperature(degree C)			24.5	24.1	24.3	24.6	24.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.5	190.8	192.3	191.3	193.5
4	Turbidity, (NTU)	1/1	5/10	1.99	1.75	1.70	1.64	1.37
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.45	0.3	0.1	0.2	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Results	s:						
7	Total Hardness, (mg/L)	200/200	600/600	154.47	158.54	158.54	158.54	158.54
8	Total Alkalinity, (mg/L)	200/200	600/600	145.08	145.08	149.76	149.76	149.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	19.00	19.00	20.90	20.90	20.90
	C. Bacteriological Test Results :	1		1	<u> </u>		1	
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.
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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: 07.02.19

#### 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 – VIII</u>

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

Date of Testing: 07.02.19

Sl.	Characteristic	Requirement	Permissible Limit		SO	URCE (PHE SUPPL	<b>Y</b> )	
No		(Acceptable Limit) (IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)			ZONE - VIII		
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	DA-101	DA-97	DC-23
A. Pl	nysico-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	7.72	7.68	7.68	7.69	7.77
2	Temperature(degree C)			23.8	23.6	23.6	23.8	24.6
3	Total Dissolved Solid.	500/500	2000/2000	190.2	191.4	191.2	191.0	191.4
4	Turbidity. (NTU)	1/1	5/10	1.94	2.10	2.00	1.95	1.97
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.6	0.4	0.2	0.2	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:				1		1	1
7	Total Hardness. (mg/L)	200/200	600/600	154.47	158.54	158.54	158.54	158.54
8	Total Alkalinity. (mg/L)	200/200	600/600	145.08	149.76	149.76	145.08	149.76
9	Iron(as Fe). (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride. (mg/L)	250/200	1000/1000	19.00	20.90	20.90	19.00	20.90
C. B	acteriological Test Results:	ı			<u> </u>		1	I
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.
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NF- NOT FOUND. O.H.R. – OVER HEAD RESERVOIR

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

#### TEST REPORT: AA – I, ZONE – X

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		SOURCE (P	HE SUPPLY)	
110		(IS 10500-2012)/	(CPHEEO)		ZON	VE - X	
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	ALAMEENATION (DJ/4/9)	AIR FORCE (DJ/6)
A. Phy	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	7.46	7.57	7.71	7.79
2	Temperature(degree C)			24.0	24.1	24.0	23.7
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	190.1	192.1	191.8	192.1
4	Turbidity, (NTU)	1/1	5/10	2.09	1.61	1.41	1.67
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.35	0.2	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:						
7	Total Hardness, (mg/L)	200/200	600/600	150.41	150.41	150.41	150.41
8	Total Alkalinity, (mg/L)	200/200	600/600	149.76	149.76	149.76	149.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90
	Bacteriological Test Results :	1	1	1	1	1	1
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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: 13.02.19

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

Date of Testing: 13.02.19

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		SOURCE (P	PHE SUPPLY)			
	Characteristic	(IS 10500-2012)/	(CPHEEO)		ZON	7.78 7.79 24.0 23.9 192.1 192.3 1.52 1.69 0.2 0.15 Agreeable Agreeal			
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	Dawat Restaurant	TATA MEDICAL CENTRE		
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	7.73	7.74	7.78	7.79		
2	Temperature(degree C)			24.0	23.8	24.0	23.9		
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	192.7	191.9	192.1	192.3		
4	Turbidity, (NTU)	1/1	5/10	1.37	1.47	1.52	1.69		
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.4	0.3	0.2	0.15		
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cl	nemical Test Results:						•		
7	Total Hardness, (mg/L)	200/200	600/600	154.47	150.41	150.41	154.47		
8	Total Alkalinity, (mg/L)	200/200	600/600	159.12	159.12	154.44	159.12		
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250/200	1000/1000	22.80	22.80	22.80	22.80		
C.Bac	cteriological Test Results :	,		•			•		
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.		

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

Sd/Chemist & Bacteriologist
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: ACTION AREA -I , ZONE - IV

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOUL	RCE (PHE SUPP	LY)	
NO		Limit) (IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)			ZONE - IV		
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	BB-52	BE-17	BB-50
A. Phy	vsico-chemical Test Results:			<u> </u>				1
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.63	7.77	7.85	7.89	7.90
2	Temperature(degree C)			24.4	24.4	24.7	24.1	24.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.4	191.3	191.4	190.0	190.7
4	Turbidity (NTU)	1/1	5/10	1.27	1.48	1.28	1.41	1.16
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.25	0.2	0.1	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	166.41	166.41	166.41	166.41	166.41
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	149.76	149.76	149.76	149.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	20.90
CBac	teriological Test Results :	<u> </u>		1	•		ı	1
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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: 19.02.19

#### TEST REPORT: ACTION AREA - I, ZONE - V

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

Date of Testing: 20.02.19

Sl.	Characteristic	Requirement	Permissible Limit		SOU	RCE (PHE SUPPL	<b>Y</b> )	
No		(Acceptable Limit)	(IS 10500-2012)/			ZONE - V		
		(IS 10500-2012)/ (CPHEEO)	(CPHEEO)	INLET OF	OUTLET OF	CA-82	CD-125	CB-08
		(CITELO)		O.H.R.	O.H.R.			
	A. Physico - chemical Test Res	ults:						
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	7.62	7.73	7.84	7.87
2	Temperature(degree C)			24.7	24.8	24.9	24.4	25.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.3	190.9	190.7	190.6	190.5
4	Turbidity (NTU)	1/1	5/10	2.04	1.98	1.76	1.33	2.06
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	0.15	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:	l		I			1	
7	Total Hardness (mg/L)	200/200	600/600	170.90	170.90	170.90	170.90	170.90
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	145.08	149.76	149.76	149.76
9	Iron(as Fe), mg/L	1.0 /0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	20.90
	C. Bacteriological Test Results :	1	1	<u>I</u>	1		1	1
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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

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

TEST REPORT: AA – I, ZONE – VII

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

Sl.	Characteristic	Requirement	Permissible Limit		SO	URCE (PHE SUPPL	<b>Y</b> )	
No		(Acceptable Limit) (IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)			ZONE - VII		
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	DC-182	DC-77	DF-94
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	7.86	7.84	7.91	7.91	7.90
2	Temperature(degree C)			25.4	25.4	25.4	25.4	25.6
3	Total Dissolved Solid.	500/500	2000/2000	190.1	190.5	190.3	190.4	190.7
4	Turbidity, (NTU)	1/1	5/10	2.58	2.46	1.96	2.02	2.14
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.1	0.15	0.15	0.1	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:	I			1	1		•
7	Total Hardness, (mg/L)	200/200	600/600	184.11	189.08	189.08	189.08	189.08
8	Total Alkalinity, (mg/L)	200/200	600/600	145.08	149.76	145.08	145.08	149.76
9	Iron(as Fe), (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride, (mg/L)	250/200	1000/1000	20.90	22.80	20.90	20.90	22.80
C. Ba	ncteriological Test Results:	<u> </u>			1 1	I		
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.
		1	l					1

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

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

Date of Testing: 20.02.19

#### 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. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/	Permissible Limit (IS 10500-2012)/ (CPHEEO)		SOUR	CCE (PHE SUPPLY ZONE - VI	Y)	
		(CPHEEO)	(CILLEO)	INLET OF O.H.R.	OUTLET OF O.H.R.	CE-104	CE-200	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	7.53	7.57	7.75	7.82	7.86
2	Temperature(degree C)			25.6	25.7	25.7	25.8	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.5	190.8	190.8	190.1	191.1
4	Turbidity (NTU)	1/1	5/10	1.92	1.87	1.75	1.53	1.89
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.1	0.1	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Results:	l	1				I	1
7	Total Hardness (mg/L)	200/200	600/600	166.41	166.41	166.41	166.41	166.41
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	149.76	145.08	149.76

O.H.R. - OVER HEAD RESERVOIR,

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

Date of Testing: 22.02.19

#### TEST REPORT: AA – I, ZONE – III

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		SOURCE (PHE SUPPLY)					
		(IS 10500-2012)/ (CPHEEO)	(СРНЕЕО)		7	ZONE - III				
		(CITELO)		INLET OF O.H.R.	OUTLET OF O.H.R.	AL/1/B/14	A1/153/18	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	7.68	7.73	7.76	7.78	7.81		
2	Temperature(degree C)			25.5	25.4	25.6	25.6	25.7		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.1	189.8	190.1	189.7	190.7		
4	Turbidity, (NTU)	1/1	5/10	2.11	1.92	1.96	1.82	1.74		
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.2	0.1	0.1	0.1		
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
	B. Chemical Test Ro	esults:					,			
7	Total Hardness, (mg/L)	200/200	600/600	166.41	166.41	166.41	166.41	166.41		
8	Total Alkalinity, (mg/L)	200/200	600/600	145.08	145.08	145.08	145.08	149.76		

O.H.R. - OVER HEAD RESERVOIR,

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

Date of Testing: 22.02.19

#### 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)

Date of Testing: 28.02.19

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/		SO	URCE (PHE SUPE	PLY)	
110		(IS 10500-2012)/	(CPHEEO)		ZONE - V   CA-82   CA-82   CA-82			
		(СРНЕЕО)		INLET OF O.H.R.		CA-240	CA-82	CB-08
	A. Physico - chemical Test Re	sults:						
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.43	7.61	7.69	7.74	7.77
2	Temperature(degree C)			24.1	24.0	24.1	24.2	24.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	183.0	183.5	183.3	183.0	183.2
4	Turbidity (NTU)	1/1	5/10	1.60	1.42	1.65	1.51	1.22
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	0.25	0.1	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:	L	L				I.	<u> </u>
7	Total Hardness (mg/L)	200/200	600/600	157.41	157.41	157.41	157.41	157.41
8	Total Alkalinity (mg/L)	200/200	600/600	140.40	140.40	140.40	140.40	140.40
	O II D OVED HEAD DECEDION							

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 E EXECUTIVE ENGINEER. NEW TOWN KOLKATA WATER SUPPLY DIVI

### 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

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

Sl. Characteristic SOURCE (PHE SUPPLY) Requirement (Acceptable **Permissible Limit** Limit) (IS 10500-2012)/ No (IS 10500-2012)/ ZONE - VII (CPHEEO) (CPHEEO) **OUTLET OF** INLET OF DC-57 **DF-94** DC-182 O.H.R. O.H.R. A. Physico-chemical Test Results: 7.75 7.91 7.89 1 pH Value. 6.5 to 8.5/7.0 to 8.5 6.5 to 8.5/6.5 to 9.2 7.79 7.86 2 **Temperature**(degree C) 24.2 24.3 24.1 24.0 24.3 3 **Total Dissolved Solid.** 2000/2000 183.4 185.2 189.2 183.7 500/500 189.1 4 Turbidity, (NTU) 1.33 1.30 1.39 1/1 5/10 1.07 1.24 5 **Residual Free Chlorine** 0.2/0.2 0.2/>1.0 0.3 0.2 0.15 0.1 0.1 Odour Agreeable/Agreeable Agreeable/ Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: Total Hardness, (mg/L) 200/200 600/600 157.41 161.91 161.91 161.91 157.41 8 Total Alkalinity, (mg/L) 200/200 600/600 140.40 145.08 145.08 145.08 140.40

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 28.02.19

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

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

Sl. N	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/			SOURCE (PHE SUI	PPLY)	
0		(IS 10500-2012)/ (CPHEEO)	(CPHEEO)			I		
				INLET OF	OUTLET OF	DB-222	DA-136	DC-49
				O.H.R.	O.H.R.			
A. P	hysico-chemical Test Resul	ts:						
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.61	7.71	7.76	7.78	7.79
2	Temperature(degree C)			23.9	23.9	24.0	24.1	24.1
3	Total Dissolved Solid.	500/500	2000/2000	183.7	183.6	183.9	183.3	183.3
4	Turbidity, (NTU)	1/1	5/10	1.34	1.38	1.50	1.87	1.56
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.6	0.3	0.15	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (	Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	157.41	157.41	161.91	157.41	157.41
8	Total Alkalinity, (mg/L)	200/200	600/600	140.40	140.40	145.08	140.40	140.40

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 28.02.19

### ACTION AREA – II (FEBRUARY' 2019)

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

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

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/	Permissible Limit (IS 10500-2012)/	SOURCE (PHE SUPPLY)				
		(CPHEEO)	(CPHEEO)	A	A – IIG, ZONE - X	П		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT		
A. Pl	hysico-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	7.80	7.80	7.83		
2	Temperature (degree C)			23.9	23.8	23.9		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.9	191.4	191.3		
4	Turbidity (NTU)	1/1	5/10	2.88	2.93	2.95		
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.3	0.25		
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable		
в. с	Chemical Test Results:					1		
7	Total Hardness (mg/L)	200/200	600/600	150.41	154.47	154.47		
8	Total Alkalinity (mg/L)	200/200	600/600	154.44	159.12	159.12		
9	Iron(as Fe) (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90		
C. B	Bacteriological Test Results:			1				
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.		
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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: 13.02.19

#### GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

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

#### TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 15.02.19

Sl. N	Characteristic	aracteristic Requirement (Acceptable Limit)		SOURCE (PHE SUPPLY)					
0		(IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)	AA – IIA, ZONE – X					
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY			
<b>A.</b> ]	Physico-chemical Test Results	<b>5:</b>							
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.81	7.82	7.83			
2	Temperature (degree C)			24.6	24.5	24.6			
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.7	190.9	191.1			
4	Turbidity (NTU)	1/1	5/10	2.48	2.40	2.38			
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.1	0.1			
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable			
В.	Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	166.41	166.41	170.90			
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	149.76	154.44			
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1			
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90			
С	Bacteriological Test Results :				-				
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.			
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

### NEW TOWN, RAJARHAT, KOLKATA - 700 156

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

Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological) Date of Testing: 15.02.19

Sl. No	Characteristic	Requirement	Permissible Limit			SOU	URCE (PHE S	SUPPLY)				
		(Acceptable Limit) (IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)	A A TID MOVIE THE								
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MAHUA MADHABI	MALANCHA	NKDA MARKET		
A. F	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	7.72	7.76	7.69	7.78	7.71	7.79	7.81		
2	Temperature (degree C)			24.0	24.4	24.3	24.5	24.3	24.5	24.7		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.5	191.5	190.8	190.4	191.5	190.6	192.5		
4	Turbidity (NTU)	1/1	5/10	2.38	2.91	2.71	2.46	2.19	2.37	2.46		
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.1	0.1	0.5	0.2	0.4	0.3	0.1		
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В.	Chemical Test Results:											
7	Total Hardness (mg/L)	200/200	600/600	170.90	170.90	170.90	166.41	166.41	166.41	170.90		
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	149.76	149.76	149.76	154.44	154.44	154.44		
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	20.90	20.90	20.90		
CI	Bacteriological 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

Sd/-**Chemist & Bacteriologist 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 C, ZONE – I

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	(IS 10500-2012)/								
		(IS 10500-2012)/	(СРНЕЕО)	AA – IIC, ZONE - I							
		(CPHEEO)		INLET OF	OUTLET OF	AKANKHA	STARL IT	HILAND	MOON		
				O.H.R.	O.H.R.		COMPLEX	WOODS	BEAM		
A. I	Physico-chemical Test Resul	ts:		1					•		
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.70	7.82	7.85	7.87	7.89	7.91		
2	Temperature (degree C)			23.8	23.9	23.7	23.8	24.1	24.0		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	188.6	190.0	189.9	190.3	191.1	189.8		
4	Turbidity (NTU)	1/1	5/10	2.27	2.31	2.33	2.52	2.62	2.59		
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.15	<0.1	<0.1	<0.1	0.1		
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В.	Chemical Test Results:	1					I		<u> </u>		
7	Total Hardness (mg/L)	200/200	600/600	166.41	166.41	166.41	170.90	170.90	166.41		
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	145.08	145.08	145.08	149.76	145.08		
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		
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	22.80	20.90		
C.	Bacteriological Test Results	•	ı	· L	ı		L		L		
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.		

NF- NOT FOUND, O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 18.02.19

#### TEST REPORT: AA – II D, ZONE – V

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

Sl. No	Characteristic	Requirement (Acceptable Limit) Permissible Limit (IS 10500-2012)/						)			
		(IS 10500-2012)/ (CPHEEO)	(CPHEEO)	AA – IID, ZONE - V							
		(CITIELO)		INLET OF	OUTLET OF	ALATIKA	UTTARA	GREENWOOD	UJJALA		
				O.H.R.	O.H.R.			SONATA			
A. P	hysico-chemical Test Results:	1	1				_	1			
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.90	7.92	7.96	7.91	7.88	7.96		
2	Temperature (degree C)			23.8	23.7	23.8	23.6	23.6	23.6		
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.8	189.7	190.2	190.4	190.4	190.6		
4	Turbidity (NTU)	1/1	5/10	2.11	2.13	2.23	2.56	2.41	2.18		
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.15	0.1	<0.1	<0.1	0.1		
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. (	Chemical Test Results:	•	•	1			1				
7	Total Hardness (mg/L)	200/200	600/600	166.41	166.41	166.41	170.90	170.90	170.90		
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	145.08	145.08	149.76	149.76	145.08		
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		
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	22.80	20.90		
C. I	Bacteriological Test Results:	1	1		•		1	<u>'</u>			
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.		

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: 18.02.19

#### 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 – VI</u>

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

Sl. No	Characteristic	1			SOURCE	(PHE SUPPLY)				
		(IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)	AA – IID, ZONE - VI						
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION			
A. P	hysico-chemical Test Results	s:								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.83	7.87	7.91	7.92			
2	Temperature (degree C)			23.9	23.9	24.0	24.0			
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.4	191.5	190.4	190.5			
4	Turbidity (NTU)	1/1	5/10	2.88	2.89	2.34	2.81			
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	<0.1	<0.1	<0.1			
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B.	Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	166.41	170.90	170.90	170.90			
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	145.08	145.08			
9	Iron(as Fe) (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1			
10	Chloride (mg/L)	250/200	1000/1000	20.90	22.80	22.80	22.80			
<b>C.</b> 1	Bacteriological Test Results:		<u> </u>				•			
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.			

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: 18.02.19

#### TEST REPORT: AA – II A, ZONE – X

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit (IS 10500-2012)/	SOURCE (PHE SUPPLY)					
		(IS 10500-2012)/	(CPHEEO)		AA – IIA, ZONE – X				
		(CPHEEO)		INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY			
<b>A.</b> ]	Physico-chemical Test Resul	ts:			·				
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.56	7.66	7.70			
2	Temperature (degree C)			25.3	25.2	25.2			
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.0	186.6				
4	Turbidity (NTU)	1/1	5/10	1.76	1.69	1.58			
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.25	0.2			
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable			
В.	<b>Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	161.91	166.41	166.41			
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	149.76			

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 27.02.19

#### 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 B, ZONE – IV

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

Sl. No	Characteristic Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	_	SOURCE (PHE SUPPLY)								
		(IS 10500-2012)/	(IS 10500-2012)/ (CPHEEO)	AA – IIB, ZONE - IV							
		(СРНЕЕО)		INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCH A	NKDA MKT.	ECO URBAN VILLAGE	
A. P	hysico-chemical Test Results:	1	<u> </u>								
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	7.56	7.53	7.57	7.56	7.58	7.55	
2	Temperature (degree C)			25.3	25.1	25.0	25.2	25.2	25.3	25.3	
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.5	185.9	186.5	186.3	186.6	186.5	186.5	
4	Turbidity (NTU)	1/1	5/10	1.87	1.54	1.50	1.49	1.77	2.65	1.47	
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.1	0.3	0.2	0.45	0.25	0.3	
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В. (	Chemical Test Results:										
7	Total Hardness (mg/L)	200/200	600/600	161.91	161.91	166.41	166.41	166.41	166.41	166.41	
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	145.08	149.76	149.76	149.76	149.76	149.76	

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 27.02.19