

**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 ANALYSIS REPORT AT DIFFERENT
LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING
MONTH
DECEMBER' 2018**

ACTION AREA – I
(DECEMBER' 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 - I

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

Date of Testing: 03.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - I				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AD - 27	AA-03
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	7.37	7.49	7.60	7.62	7.63
2	Temperature(degree C)	----	----	24.7	24.8	24.7	24.8	24.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.0	174.7	174.9	174.9	174.9
4	Turbidity (NTU)	1/1	5/10	1.27	1.39	1.37	1.35	1.28
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.4	0.2	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	157.91	162.18	162.18	162.18	162.18
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	147.20	147.20	147.20	147.20

O.H.R. – OVER HEAD RESERVOIR

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

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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)

Date of Testing: 03.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - II				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD-1	BA-120	AB-28
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	7.64	7.66	7.70	7.69
2	Temperature(degree C)	----	----	24.9	24.8	24.9	24.9	24.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.5	174.5	174.2	174.2	174.3
4	Turbidity (NTU)	1/1	5/10	1.13	1.31	1.15	1.29	1.27
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.25	0.4	0.15	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	157.91	157.91	157.91	157.91	157.91
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	142.60	142.60	142.60	147.20

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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: 03.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - IV				
				INLET OF O.H.R.	OUTLET OF O.H.R.	BA-95	BC-141	BA-92
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	7.64	7.67	7.69	7.74	7.73
2	Temperature(degree C)	----	----	24.8	24.7	24.9	24.8	24.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.2	174.0	174.1	174.0	174.0
4	Turbidity (NTU)	1/1	5/10	1.09	1.27	1.21	1.36	1.20
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.4	0.15	0.15	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	157.91	157.91	157.91	157.91	157.91
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	142.60	142.60	142.60	142.60

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 04.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-82	CD-125	CB-08
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	7.65	7.68	7.70	7.71	7.73
2	Temperature(degree C)	----	----	24.5	24.8	24.9	24.9	24.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	175.2	175.4	175.5	175.4	175.4
4	Turbidity (NTU)	1/1	5/10	1.30	1.45	1.68	1.84	1.76
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.45	0.15	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	157.91	157.91	162.18	157.91	157.91
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	147.20	147.20	147.20	142.60

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 04.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE-104	CE/1/8/124	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	7.39	7.51	7.57	7.63	7.66
2	Temperature(degree C)	----	----	24.5	24.4	23.9	24.6	24.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	175.7	175.6	176.1	175.8	175.6
4	Turbidity (NTU)	1/1	5/10	1.51	1.36	1.86	1.68	1.49
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	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	162.18	162.18	162.18	162.18	162.18
8	Total Alkalinity (mg/L)	200/200	600/600	147.20	142.60	147.20	142.60	142.60

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 06.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - III				
				INLET OF O.H.R.	OUTLET OF O.H.R.	NKDA	AI-12	AI/153/18
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	7.42	7.53	7.56	7.59	7.62
2	Temperature(degree C)	----	----	24.3	24.3	24.3	24.1	24.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.3	175.4	176.1	175.9	176.3
4	Turbidity, (NTU)	1/1	5/10	1.04	1.32	1.30	1.34	1.33
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.55	0.4	0.15	0.2	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :								
7	Total Hardness, (mg/L)	200/200	600/600	157.91	162.18	162.18	162.18	162.18
8	Total Alkalinity, (mg/L)	200/200	600/600	147.20	151.80	151.80	147.20	151.80

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 11.12.18

O.H.R. – OVER HEAD RESERVOIR

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DC-174	HIDCO BUILDING
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	7.77	7.76	7.74	7.81	7.73
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.1
3	Total Dissolved Solid.	500/500	2000/2000	176.7	176.8	177.0	177.6	177.6
4	Turbidity, (NTU)	1/1	5/10	1.16	1.62	1.57	1.72	1.75
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.2	0.35	0.2	0.2	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	149.38	153.64	153.64	153.64	153.64
8	Total Alkalinity, (mg/L)	200/200	600/600	142.60	142.60	138	142.60	142.60

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

TEST REPORT: AA – I, ZONE – VIII

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

Date of Testing: 11.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VIII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DB-222	DA-94	DC-27
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	7.43	7.62	7.72	7.81	7.81
2	Temperature(degree C)	----	----	23.3	23.1	23.3	23.3	23.2
3	Total Dissolved Solid.	500/500	2000/2000	176.5	177.5	177.5	177.2	177.1
4	Turbidity, (NTU)	1/1	5/10	1.24	1.67	1.58	1.63	1.58
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.5	0.15	0.15	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	149.88	153.64	153.64	153.64	153.64
8	Total Alkalinity, (mg/L)	200/200	600/600	138	142.60	142.60	142.60	138

O.H.R. – OVER HEAD RESERVOIR

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 14.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	AL-AMEENATION DJ/4/9	AIR FORCE DJ/6
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	7.77	7.78	7.78	7.76
2	Temperature(degree C)	----	----	24.7	24.9	24.9	24.9
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	177.5	177.5	177.9	177.6
4	Turbidity, (NTU)	1/1	5/10	1.25	1.20	1.20	1.26
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.1	0.4	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	153.64	153.64	153.64	153.64
8	Total Alkalinity, (mg/L)	200/200	600/600	142.60	142.60	142.60	142.60

O.H.R. – OVER HEAD RESERVOIR

Sd/
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 14.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				INLET OF O.H.R.	OUTLET OF O.H.R.	Dawat Restaurant	TATA MEDICAL CENTRE
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	7.71	7.73	7.77	7.77
2	Temperature(degree C)	----	----	24.8	24.7	24.7	24.7
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	178.7	177.8	177.6	177.7
4	Turbidity, (NTU)	1/1	5/10	1.32	1.42	1.13	1.14
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.2	0.3	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	157.91	153.64	153.64	153.64
8	Total Alkalinity, (mg/L)	200/200	600/600	142.60	138	138	138

O.H.R. – OVER HEAD RESERVOIR,

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 17.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - II				
				INLET OF O.H.R.	OUTLET OF O.H.R.	BA-12	BA/12/4/C	BA-11
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	7.67	7.72	7.77	7.93	7.84
2	Temperature(degree C)	----	----	23.3	23.3	23.2	23.4	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	177.4	177.7	177.6	182.3	178.8
4	Turbidity (NTU)	1/1	5/10	1.24	1.40	1.57	0.95	1.39
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.25	0.15	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	157.91	162.18	157.91	162.18	162.18
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	142.60	142.60	142.60	147.20
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	19.42	17.48	19.42	17.48	17.48
c.Bacteriological Test Results :								
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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I. ZONE – VIII

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

Date of Testing: 17.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VIII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-13	DA-4	DA-112
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	7.48	7.62	7.58	7.64	7.72
2	Temperature(degree C)	----	----	23.4	23.4	23.1	23.2	23.2
3	Total Dissolved Solid.	500/500	2000/2000	177.4	177.7	177.1	177.8	177.7
4	Turbidity. (NTU)	1/1	5/10	1.50	1.27	1.21	1.31	1.33
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.3	0.15	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	157.91	162.18	157.91	162.18	162.18
8	Total Alkalinity. (mg/L)	200/200	600/600	142.60	147.20	142.60	142.60	142.60
9	Iron(as Fe). (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride. (mg/L)	250/200	1000/1000	17.48	19.42	17.48	17.48	19.42
C. Bacteriological Test Results:								
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.

NF- 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: ACTION AREA - I, ZONE – V

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

Date of Testing: 18.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-32	CA-174	CB-08
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	7.85	7.85	7.97	7.91	7.87
2	Temperature(degree C)	----	----	23.3	23.4	23.4	23.3	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.3	178.1	171.6	178.2	178.3
4	Turbidity (NTU)	1/1	5/10	1.17	1.24	1.37	1.19	1.44
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.3	0.1	0.2	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	162.18	162.18	157.91	157.91	162.18
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	142.60	142.60	142.60	147.20
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	19.42	17.48	17.48	19.42	17.48
C. Bacteriological Test Results :								
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.

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 & Bacteriological)

Date of Testing: 18.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE-104	CE/1/C/202	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	7.55	7.69	7.73	7.82	7.84
2	Temperature(degree C)	----	----	23.3	23.4	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	177.0	178.1	178.6	177.9	178.6
4	Turbidity (NTU)	1/1	5/10	1.27	1.20	1.10	1.05	1.26
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.15	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	157.91	162.18	162.18	157.91	162.18
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	147.20	147.20	147.20	174.80
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	19.42	19.42	17.48	17.48
C. Bacteriological Test Results :								
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.

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 & Bacteriological)**

Date of Testing: 24.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - I				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AC-19	AC-46	AC-107
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	7.58	7.65	7.69	7.71	7.72
2	Temperature(degree C)	----	----	23.3	23.3	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.6	180.2	180.1	179.6	179.6
4	Turbidity (NTU)	1/1	5/10	0.91	0.79	0.75	2.38	0.87
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.45	0.2	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	157.91	157.91	157.91	153.64	153.64
8	Total Alkalinity (mg/L)	200/200	600/600	138	138	133.40	133.40	133.40
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	19.42	19.42	17.48	17.48
C. Bacteriological Test Results :								
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.

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

Date of Testing: 24.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - III				
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AI/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	7.76	7.73	7.77	7.77
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.4	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.7	180.1	180.6	180.5	180.1
4	Turbidity, (NTU)	1/1	5/10	1.16	0.89	0.73	0.86	0.90
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.3	0.2	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :								
7	Total Hardness, (mg/L)	200/200	600/600	157.91	157.91	157.91	153.64	153.64
8	Total Alkalinity, (mg/L)	200/200	600/600	138	133.40	138	138	133.40
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	19.42	19.42	19.42	17.48
C. Bacteriological Test Results :								
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
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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 - IV

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

Date of Testing: 28.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - IV				
				INLET OF O.H.R.	OUTLET OF O.H.R.	BB-107	BE-17	BB-50
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	7.49	7.64	7.73	7.76	7.75
2	Temperature(degree C)	----	----	23.2	23.2	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	181.9	182.5	182.4	181.9	182.0
4	Turbidity (NTU)	1/1	5/10	1.19	1.30	1.39	1.55	1.26
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.25	0.3	0.15	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	157.91	162.18	162.18	157.91	162.18
8	Total Alkalinity (mg/L)	200/200	600/600	144	148.80	148.80	148.80	148.80
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	19.42	17.48	17.48	19.42
C. Bacteriological Test Results :								
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/-
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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: AA – I, ZONE – VII

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

Date of Testing: 28.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-243	DF-94	DC-186
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	7.73	7.82	7.83	7.80	7.80
2	Temperature(degree C)	----	----	23.4	23.4	23.3	23.3	23.3
3	Total Dissolved Solid.	500/500	2000/2000	182.2	182.1	181.7	181.6	181.6
4	Turbidity, (NTU)	1/1	5/10	0.98	1.63	1.76	1.89	1.71
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.2	0.35	0.15	0.2	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200/200	600/600	162.18	162.18	157.91	157.91	157.91
8	Total Alkalinity, (mg/L)	200/200	600/600	148.80	148.80	144	144	144
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride, (mg/L)	250/200	1000/1000	19.42	19.42	17.48	17.48	17.48
C. Bacteriological Test Results:								
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.

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

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

ACTION AREA – II
(DECEMBER' 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: AA – II A, ZONE – X

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

Date of Testing: 07.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
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	7.75	7.87	7.92
2	Temperature (degree C)	----	----	24.1	24.1	24.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	176.3	175.6	175.7
4	Turbidity (NTU)	1/1	5/10	1.87	1.43	1.32
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.25	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	157.91	153.64	157.91
8	Total Alkalinity (mg/L)	200/200	600/600	151.80	147.20	147.20

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: AA – II B, ZONE – IV

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

Date of Testing: 07.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)						
				AA – IIB, ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MKT.	ECO URBAN VILLAGE
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	7.71	7.74	7.77	7.72	7.68	7.74	7.75
2	Temperature (degree C)	----	----	24.1	24.1	24.0	24.0	23.9	24.0	24.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	175.7	175.6	175.9	176.3	176.3	175.4	176.3
4	Turbidity (NTU)	1/1	5/10	1.58	1.31	1.70	1.44	1.27	1.37	1.63
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.45	0.1	0.35	0.4	0.3	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	153.64	153.64	157.91	157.91	157.91	153.64	157.91
8	Total Alkalinity (mg/L)	200/200	600/600	147.20	147.20	147.20	151.80	151.80	147.20	151.80

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: AA – II C, ZONE – I

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

Date of Testing: 13.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)					
				AA – IIC, ZONE - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	STARL IT COMPLEX	HILAND WOODS	MOON BEAM
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	7.59	7.74	7.79	7.81	7.82	7.84
2	Temperature (degree C)	----	----	24.4	24.5	24.3	24.2	24.3	24.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.3	178.5	178.3	177.9	177.8	177.8
4	Turbidity (NTU)	1/1	5/10	1.55	1.43	1.56	1.36	1.12	1.17
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	0.4	0.2	0.3	0.25	0.35
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	157.92	157.92	157.92	153.65	153.65	153.65
8	Total Alkalinity (mg/L)	200/200	600/600	142.6	142.6	142.6	138	138	138

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: AA – IID, ZONE – V

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

Date of Testing: 13.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA
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	7.76	7.82	7.81	7.78
2	Temperature (degree C)	----	----	24.2	24.2	24.3	24.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.0	177.9	178.0	178.4
4	Turbidity (NTU)	1/1	5/10	1.50	1.40	1.57	1.85
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	0.4	0.3	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	153.64	153.64	157.91	153.64
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	142.60	138	138

O.H.R. – OVER HEAD RESERVOIR,

N.F-NOT FOUND

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: AA – II D, ZONE – VI

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

Date of Testing: 13.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				AA – IID, ZONE - VI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREENWOOD SHRACHI
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	7.78	7.82	7.78
2	Temperature (degree C)	----	----	24.4	24.3	24.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.0	179.8	178.4
4	Turbidity (NTU)	1/1	5/10	1.57	1.91	1.77
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.3	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	157.91	162.18	157.91
8	Total Alkalinity (mg/L)	200/200	600/600	84.94	84.94	82.20

O.H.R.OVERHEADRESERVOIR,

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: AA – IIG, ZONE – XI

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

Date of Testing: 14.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE - XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
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	7.72	7.80	7.83
2	Temperature (degree C)	----	----	24.7	24.7	24.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.6	178.1	177.9
4	Turbidity (NTU)	1/1	5/10	1.44	1.63	1.52
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.3	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	157.91	157.91	153.64
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	142.60	138

O.H.R. – OVER HEAD RESERVOIR

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 Central Water Testing Laboratory
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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: 21.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
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	7.74	7.78	7.83
2	Temperature (degree C)	----	----	23.3	23.2	23.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.4	179.8	179.4
4	Turbidity (NTU)	1/1	5/10	1.36	1.26	0.96
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.25	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	157.91	162.18	157.91
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	138	142.60
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	19.42	19.42
C. 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.

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 B, ZONE – IV

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

Date of Testing: 21.12.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MAHUA MADHABI	MALANCHA	NKDA MARKET	ECO URBAN VILLAG E
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	7.57	7.64	7.68	7.67	7.66	7.65	7.64	7.75
2	Temperature (degree C)	----	----	23.3	23.3	23.2	23.2	23.2	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.6	179.7	179.1	179.7	179.7	179.3	179.7	179.4
4	Turbidity (NTU)	1/1	5/10	1.50	1.32	1.54	1.02	1.05	1.22	1.04	1.44
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	0.2	0.1	0.2	0.15	0.25	0.1	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200/200	600/600	157.91	162.18	162.18	162.18	162.18	162.18	162.18	162.18
8	Total Alkalinity (mg/L)	200/200	600/600	138	142.60	142.60	142.60	138	138	142.60	138
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	19.42	19.42	17.48	17.48	19.42	19.42	17.48
C. 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.	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.	N.F.

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

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NTKD - I P.H.E. Dte.