

**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
JULY' 2018**

ACTION AREA – I
(JULY'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 - IV

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

Date of Testing: 02.07.18

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.	BC-146	BE-17	BB-106
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	7.14	7.36	7.42	7.47	7.51
2	Temperature(degree C)	----	----	26.6	27.0	27.1	26.9	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	138.4	140.3	140.2	139.6	139.5
4	Turbidity (NTU)	1/1	5/10	1.75	1.34	1.42	1.48	1.57
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	0.6	0.2	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	114.13	110.05	110.05	110.05	110.05
8	Total Alkalinity (mg/L)	200/200	600/600	107.50	103.20	107.50	107.50	103.20
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride (mg/L)	250/200	1000/1000	17.23	15.31	15.31	15.31	15.31
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 – V

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

Date of Testing: 06.07.18

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.	CB-179	CA-82	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	7.21	7.39	7.51	7.52	7.55
2	Temperature(degree C)	----	----	25.9	25.9	26.0	26.2	26.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	135.7	136.3	136.6	136.6	136.5
4	Turbidity (NTU)	1/1	5/10	2.60	1.38	1.23	1.56	1.57
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.4	0.2	0.15	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	101.90	101.90	105.98	105.98	105.98
8	Total Alkalinity (mg/L)	200/200	600/600	94.6	94.6	98.9	98.9	98.9
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride, (mg/L)	250/200	1000/1000	15.31	15.31	17.23	15.31	15.31
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

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

Date of Testing: 06.07.18

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 - 57	DE-38	DC-232
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	7.47	7.51	7.53	7.60	7.57
2	Temperature(degree C)	----	----	26.1	26.5	26.4	26.2	26.1
3	Total Dissolved Solid.	500/500	2000/2000	135.6	137.9	136.8	136.8	136.8
4	Turbidity, (NTU)	1/1	5/10	1.92	1.79	1.95	2.02	1.93
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	105.98	101.90	101.90	105.98	101.90
8	Total Alkalinity, (mg/L)	200/200	600/600	90.30	94.60	94.60	94.60	94.60
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride, (mg/L)	250/200	1000/1000	15.31	13.61	15.31	15.31	15.31
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

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

Date of Testing: 09.07.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)								
				ZONE - X				ZONE - VIII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CHITARANJ AN INSTITUTE	DJ/6	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-64	DB-199	DA-89
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	7.58	7.58	7.55	7.31	7.43	7.47	7.51	7.53
2	Temperature(degree C)	----	----	26.3	26.4	26.4	26.1	26.3	26.7	26.5	26.4	26.3
3	Total Dissolved Solid.	500/500	2000/2000	134.1	133.9	135.2	135.6	134.2	133.8	134.3	134.2	134.5
4	Turbidity, (NTU)	1/1	5/10	1.47	1.42	1.44	1.29	1.10	1.19	1.48	1.25	1.36
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.4	0.55	0.2	0.2	0.3	0.4	0.2	0.1	0.2
6	Odour	Agreeable/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	97.82	97.82	101.90	101.90	97.82	97.82	101.90	97.82	97.82
8	Total Alkalinity, (mg/L)	200/200	600/600	94.6	94.6	98.9	94.6	94.6	90.3	94.6	94.6	94.6
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride, (mg/L)	250/200	1000/1000	15.13	15.13	17.23	15.13	15.13	15.13	17.23	15.13	15.13
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.	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.	N.F.

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 12.07.18

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 Resturent	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	7.13	7.27	7.35	7.38
2	Temperature(degree C)	----	----	26.9	26.8	26.8	26.9
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	134.1	131.4	129.5	129.2
4	Turbidity, (NTU)	1/1	5/10	2.14	1.71	1.32	1.30
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.6	0.2	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	114.19	109.80	109.80	109.80
8	Total Alkalinity, (mg/L)	200/200	600/600	104	95.68	91.52	95.68
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03
10	Chloride, (mg/L)	250/200	1000/1000	15.31	13.40	13.40	15.31
C. Bacteriological 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.

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

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

Date of Testing: 16.07.18

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.	CHITARANJAN INSTITUTE	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	7.56	7.62	7.69	7.74
2	Temperature(degree C)	----	----	28.8	28.5	28.8	28.9
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	126.1	124.1	124.0	124.4
4	Turbidity, (NTU)	1/1	5/10	1.39	1.44	1.76	1.11
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.5	0.2	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	105.41	109.80	105.41	105.41
8	Total Alkalinity, (mg/L)	200/200	600/600	83.20	87.36	83.20	83.20

O.H.R. – OVER HEAD RESERVOIR

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

Date of Testing: 16.07.18

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 Resturent	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	7.74	7.67	7.65	7.64
2	Temperature(degree C)	----	----	28.8	28.8	29.2	28.9
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	123.9	123.4	123.5	123.2
4	Turbidity, (NTU)	1/1	5/10	1.41	1.40	1.62	1.47
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.1	0.35	0.2	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	105.41	109.80	105.41	105.41
8	Total Alkalinity, (mg/L)	200/200	600/600	83.20	87.36	83.20	83.20

O.H.R. – OVER HEAD RESERVOIR

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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 - I

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

Date of Testing: 30.07.18

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 - 15	AD - 26	AC - 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	7.10	7.23	7.32	7.38	7.42
2	Temperature(degree C)	----	----	27.6	27.8	27.7	27.5	27.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	130.8	132.7	133.3	132.3	133.9
4	Turbidity (NTU)	1/1	5/10	1.83	1.33	1.76	2.06	1.86
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.8	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	127.48	123.08	123.08	127.48	127.48
8	Total Alkalinity (mg/L)	200/200	600/600	87.36	83.20	87.36	87.36	83.20
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride, (mg/L)	250/200	1000/1000	15.42	15.42	15.42	13.50	15.42
C. Bacteriological Test Results:								
11	Total Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU)	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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 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 & Bacteriological)**

Date of Testing: 30.07.18

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-I	AB-81	AB-15
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	7.40	7.30	7.33	7.37	7.41
2	Temperature(degree C)	----	----	27.4	27.6	27.5	27.2	27.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	130.3	132.5	132.2	132.3	130.8
4	Turbidity (NTU)	1/1	5/10	1.51	1.86	2.13	2.02	1.78
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.6	0.7	0.2	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	127.48	123.08	123.08	123.08	123.08
8	Total Alkalinity (mg/L)	200/200	600/600	83.20	83.20	87.36	87.36	87.36
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride, (mg/L)	250/200	1000/1000	13.50	13.50	15.42	15.42	13.50
C. Bacteriological Test Results:								
11	Total Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU)	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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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 - IV

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

Date of Testing: 30.07.18

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	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	7.41	7.33	7.59	7.62
2	Temperature(degree C)	----	----	27.7	27.4	27.2	27.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	130.8	131.3	130.9	130.6
4	Turbidity (NTU)	1/1	5/10	1.72	1.53	2.05	1.65
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	0.4	0.2	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	127.48	123.08	123.08	123.08
8	Total Alkalinity (mg/L)	200/200	600/600	83.20	83.20	83.20	83.20
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03
10	Chloride (mg/L)	250/200	1000/1000	13.50	13.50	13.50	13.50
C. Bacteriological Test Results:							
11	Total Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU)	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.

ACTION AREA – II
(JULY' 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 C, ZONE – I
Sub. : **Water Testing (Physico-chemical, Chemical & Bacteriological)**

Date of Testing: 10.07.2018

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	7.16	7.35	7.38	7.42	7.46	7.49
2	Temperature (degree C)	----	----	26.8	26.7	26.6	26.6	26.7	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	129.7	132.5	132.5	131.9	131.9	161.5
4	Turbidity (NTU)	1/1	5/10	2.50	2.74	2.11	2.30	2.21	2.96
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.4	0.2	0.3	0.15	0.4
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	105.41	109.80	109.80	109.80	105.41	114.19
8	Total Alkalinity (mg/L)	200/200	600/600	91.52	95.68	95.68	95.68	91.52	95.68
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride (mg/L)	250/200	1000/1000	15.31	15.31	15.31	15.31	13.40	15.31
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.
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.

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 – VI & V**
Sub. : **Water Testing (Physico-chemical, Chemical & Bacteriological)**

Date of Testing: 10.07.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)						
				AA – IID, ZONE - VI			AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREEN WOOD ELEMENT	INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
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	7.23	7.37	7.40	7.34	7.45	7.47	7.42
2	Temperature (degree C)	----	----	26.8	26.7	26.7	26.6	26.7	26.8	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	131.9	132.1	132.6	132.2	132.6	132.5	132.6
4	Turbidity (NTU)	1/1	5/10	2.51	3.04	2.88	2.24	3.06	2.22	2.97
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.8	0.5	0.35	0.4	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	109.80	109.80	109.80	109.80	109.80	109.80	109.80
8	Total Alkalinity (mg/L)	200/200	600/600	91.52	95.68	95.68	87.36	91.52	95.68	95.68
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride (mg/L)	250/200	1000/1000	15.31	15.31	17.23	15.31	15.31	17.23	15.31
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.
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.- 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: AA – IIG, ZONE - XI
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 12.07.18

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.	TCS	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	7.38	7.48	7.52	7.54
2	Temperature (degree C)	----	----	27.4	27.0	26.6	27.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	129.2	129.6	129.1	129.0
4	Turbidity (NTU)	1/1	5/10	2.34	2.37	2.03	2.06
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.55	0.25	0.45
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	109.80	114.19	109.80	105.41
8	Total Alkalinity (mg/L)	200/200	600/600	91.52	91.52	91.52	95.68
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03
10	Chloride (mg/L)	250/200	1000/1000	15.31	15.31	15.31	13.40
C. Bacteriological Test Results:							
11	Total Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU)	Absent/Absent	Absent/Absent	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: AA – II A, ZONE – X
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 13.07.18

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	7.42	7.49	7.51
2	Temperature (degree C)	----	----	28.7	28.4	26.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	127.5	129.2	129.8
4	Turbidity (NTU)	1/1	5/10	2.21	2.10	2.13
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	110.05	105.98	105.98
8	Total Alkalinity (mg/L)	200/200	600/600	103.20	98.90	98.90
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03
10	Chloride (mg/L)	250/200	1000/1000	15.31	13.40	15.31
C. Bacteriological Test Results:						
11	Total Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.

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

Sd/-
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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 – IIB, ZONE – IV
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 13.07.18

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	ANAHRITA	MAHUA MADHABI	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	7.36	7.40	7.43	7.31	7.39	7.30	7.36
2	Temperature (degree C)	----	----	28.5	28.3	28.6	28.1	28.9	28.5	28.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	130.4	129.7	129.4	128.8	129.5	128.7	128.7
4	Turbidity (NTU)	1/1	5/10	3.05	2.33	3.47	2.46	2.56	2.24	2.66
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.35	0.4	0.2	0.3	0.1	0.4
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	105.98	101.90	105.98	105.98	101.90	101.90	101.90
8	Total Alkalinity (mg/L)	200/200	600/600	103.20	98.90	98.90	103.20	103.20	98.90	98.90
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
10	Chloride (mg/L)	250/200	1000/1000	15.31	13.40	13.40	13.40	13.40	15.31	15.31
C. Bacteriological Test Results:										
11	Total Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU)	Absent/Absent	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 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: AA – II A, ZONE – X
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 19.07.18

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	7.54	7.56	7.51
2	Temperature (degree C)	----	----	27.4	27.6	27.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	124.6	123.7	125.7
4	Turbidity (NTU)	1/1	5/10	2.17	2.48	2.56
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.35	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	109.8	105.40	109.8
8	Total Alkalinity (mg/L)	200/200	600/600	95.68	91.52	95.68

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 – IIB, ZONE – IV
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 19.07.18

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	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	7.50	7.50	7.56	7.40	7.36	7.40	7.45
2	Temperature (degree C)	----	----	28.4	28.7	28.2	27.6	28.0	28.0	27.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	125.2	124.4	124.2	125.6	125.5	124.9	123.9
4	Turbidity (NTU)	1/1	5/10	3.73	2.85	2.62	2.65	2.56	2.69	2.61
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.2	0.5	0.5	0.45	0.5	0.4
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	109.8	105.40	105.40	105.40	109.8	109.8	105.40
8	Total Alkalinity (mg/L)	200/200	600/600	95.68	91.52	91.52	95.68	91.52	91.52	91.52

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

Date of Testing: 25.07.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)						
				AA – IID, ZONE - VI	AA – IID, ZONE - V					
					GREEN FIELD AMBITION	INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA	G.W. SONATA
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	7.38	7.48	7.51	7.54	7.54	7.61
2	Temperature (degree C)	----	----	24.8	25.1	25.2	25.2	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	137.2	135.8	135.7	136.6	135.5	135.4	136.1
4	Turbidity (NTU)	1/1	5/10	1.84	2.05	1.59	1.94	1.67	1.63	1.68
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.2	0.3	0.2	<0.01	0.1	0.1
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	127.36	122.97	118.58	122.97	122.97	118.58	122.97
8	Total Alkalinity (mg/L)	200/200	600/600	91.52	95.68	91.52	91.52	91.52	95.68	91.52

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 – IIG, ZONE - XI
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 27.07.18

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.	TCS	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	7.20	7.30	7.37	7.40
2	Temperature (degree C)	----	----	28.0	28.1	27.9	27.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.5	133.4	133.4	133.3
4	Turbidity (NTU)	1/1	5/10	2.49	2.57	2.84	2.35
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.4	0.2	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	118.69	114.29	114.29	114.29
8	Total Alkalinity (mg/L)	200/200	600/600	83.2	79.04	79.04	83.2

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

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