

**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
AUGUST' 2018**

ACTION AREA – I
(AUGUST'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 – V

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

Date of Testing: 07.08.18

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-17	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	7.10	7.21	7.32	7.37	7.40
2	Temperature(degree C)	----	----	26.2	26.1	26.0	26.6	26.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	123.6	124.3	123.8	124.5	123.9
4	Turbidity (NTU)	1/1	5/10	1.99	1.54	1.45	1.67	1.55
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.5	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	114.13	110.05	110.05	110.05
8	Total Alkalinity (mg/L)	200/200	600/600	82.80	82.80	82.80	78.66	78.66
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	13.40	13.40	13.40	15.31	13.40
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
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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 – VI

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

Date of Testing: 07.08.18

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 -187	CE /1/C/191	NBCC
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	7.32	7.34	7.37	7.39	7.47
2	Temperature(degree C)	----	----	26.4	26.6	26.7	27.0	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	123.4	123.8	124.5	124.6	125.9
4	Turbidity (NTU)	1/1	5/10	1.98	1.62	1.32	1.52	1.95
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.5	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	110.05	110.05	114.13	114.13	114.13
8	Total Alkalinity (mg/L)	200/200	600/600	78.66	78.66	82.80	82.80	82.80
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	13.40	13.40	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.	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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 08.08.18

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-94	DC-143
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	7.06	7.14	7.23	7.22	7.22
2	Temperature(degree C)	----	----	24.5	24.6	24.5	24.6	24.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	124.6	124.1	125.4	124.8	124.5
4	Turbidity, (NTU)	1/1	5/10	2.05	1.92	1.99	1.77	1.18
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.45	0.5	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	114.13	110.05	114.13	114.13	110.05
8	Total Alkalinity, (mg/L)	200/200	600/600	86.94	82.80	82.80	82.80	78.66
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	13.40	13.40	13.40	13.40
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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TEST REPORT: AA – I, ZONE – VIII

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

Date of Testing: 08.08.18

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.	DC-27/3	DB-222/4	DC-23
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	6.76	6.98	7.18	7.23	7.24
2	Temperature(degree C)	----	----	24.5	24.5	24.4	24.3	24.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	126.1	124.8	126.0	123.3	125.9
4	Turbidity, (NTU)	1/1	5/10	2.05	1.52	1.72	1.53	1.80
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.7	0.4	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	114.13	110.05	110.05	110.05	114.13
8	Total Alkalinity, (mg/L)	200/200	600/600	82.80	78.66	78.66	78.66	82.80
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	13.40	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.	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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 09.08.18

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.	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	7.33	7.34	7.40	7.44
2	Temperature(degree C)	----	----	25.1	25.3	25.3	25.4
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	124.8	124.8	127.6	127.1
4	Turbidity, (NTU)	1/1	5/10	1.73	1.66	1.81	1.68
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.35	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	110.05	110.05	118.20	118.20
8	Total Alkalinity, (mg/L)	200/200	600/600	82.80	78.66	86.94	82.80
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	15.31	15.31
A. 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.

O.H.R. – OVER HEAD RESERVOIR

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 09.08.18

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	A1/153/16
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	7.24	7.27	7.31
2	Temperature(degree C)	----	----	24.9	24.8	24.8	25.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	125.1	126.7	127.8	127.5
4	Turbidity, (NTU)	1/1	5/10	1.64	2.01	2.03	1.66
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.7	0.4	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	114.13	110.05	114.13	114.13
8	Total Alkalinity, (mg/L)	200/200	600/600	82.80	82.80	86.94	86.94
10	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03
11	Chloride (mg/L)	250/200	1000/1000	15.31	13.40	15.31	15.31
C. Bacteriological Test Results :							
12	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
13	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

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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: 09.08.18

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
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	7.26	7.26	7.27
2	Temperature(degree C)	----	----	25.2	25.3	25.3
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	128.0	124.9	124.4
4	Turbidity, (NTU)	1/1	5/10	1.58	1.66	1.78
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.3	0.35	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200/200	600/600	118.20	114.13	114.13
8	Total Alkalinity, (mg/L)	200/200	600/600	86.94	82.80	82.80
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	13.40	13.40	13.40
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/-
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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)

Date of Testing: 21.08.18

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 - 26	AD - 17	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	7.07	7.18	7.23	7.31	7.37
2	Temperature(degree C)	----	----	28.7	28.8	28.9	29.0	28.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.2	133.5	134.0	134.0	135.2
4	Turbidity (NTU)	1/1	5/10	1.32	1.69	1.68	1.81	1.65
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	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	110.05	105.98	110.05	110.05	110.05
8	Total Alkalinity (mg/L)	200/200	600/600	86.94	82.80	82.80	82.80	86.94

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)

Date of Testing: 21.08.18

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	AE-14	AE-111
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	7.28	7.33	7.38	7.42	7.42
2	Temperature(degree C)	----	----	28.7	29.0	29.0	29.0	29.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.4	134.0	134.0	134.4	133.5
4	Turbidity (NTU)	1/1	5/10	2.03	1.86	2.09	2.02	1.98
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.3	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	110.05	110.05	110.05	105.98	105.98
8	Total Alkalinity (mg/L)	200/200	600/600	86.94	82.80	86.94	86.94	82.80

O.H.R. - OVER HEAD RESERVOIR

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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: 23.08.18

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 /1/99	CE /1/C/139	CE-74
A. Physico - chemical Test Results:								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.34	7.35	7.36	7.41	7.44
2	Temperature(degree C)	----	----	29.1	29.2	29.2	29.0	29.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	134.4	133.9	134.1	134.0	134.0
4	Turbidity (NTU)	1/1	5/10	0.68	1.15	1.80	1.27	1.26
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.5	0.2	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	110.05	105.98	110.05	110.05	110.05
8	Total Alkalinity (mg/L)	200/200	600/600	91.08	86.94	86.94	86.94	86.94

O.H.R. – OVER HEAD RESERVOIR,

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

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

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 23.08.18

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.	S.C PARK	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	7.04	7.34	7.42	7.45	7.47
2	Temperature(degree C)	----	----	29.1	29.1	29.0	29.1	29.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.3	134.1	136.1	134.8	133.5
4	Turbidity (NTU)	1/1	5/10	0.81	0.93	1.33	0.76	1.68
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	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	110.05	105.98	105.98	105.98	105.98
8	Total Alkalinity (mg/L)	200/200	600/600	91.08	86.94	86.94	91.08	91.08

O.H.R. - OVER HEAD RESERVOIR

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

Date of Testing: 23.08.18

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.	CE/1/8/107	CE/1/8/27	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	7.30	7.37	7.39	7.41	7.43
2	Temperature(degree C)	----	----	29.1	29.3	29.3	29.3	29.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.7	133.5	133.8	133.8	133.9
4	Turbidity, (NTU)	1/1	5/10	0.55	1.15	1.18	0.94	0.82
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	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	114.13	110.05	114.13	114.13	114.13
8	Total Alkalinity, (mg/L)	200/200	600/600	91.08	86.94	91.08	86.94	91.08

O.H.R. – OVER HEAD RESERVOIR

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GOVERNMENT OF WEST BENGAL
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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)

Date of Testing: 29.08.18

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-94	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	7.52	7.53	7.57	7.60	7.63
2	Temperature(degree C)	----	----	26.8	27.0	26.6	26.7	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	137.4	135.4	136.7	135.7	135.2
4	Turbidity, (NTU)	1/1	5/10	1.96	2.02	2.04	2.02	1.88
5	Residual Free Chlorine (mg/L)	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	130.56	126.48	134.64	126.48	130.56
8	Total Alkalinity, (mg/L)	200/200	600/600	97.98	97.98	97.98	97.98	97.98

O.H.R. – OVER HEAD RESERVOIR

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GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
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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: 29.08.18

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-AMEENMINION	AIR FORCE NAVSL
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	7.53	7.64	7.65
2	Temperature(degree C)	----	----	26.2	26.9	26.6	26.7
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	136.6	137.0	137.2	137.0
4	Turbidity, (NTU)	1/1	5/10	1.91	1.94	2.09	2.05
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.5	0.15	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	126.48	130.56	130.56	126.48
8	Total Alkalinity, (mg/L)	200/200	600/600	97.98	102.24	102.24	97.98

O.H.R. – OVER HEAD RESERVOIR

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GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
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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: 29.08.18

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	7.50	7.49	7.50	7.72
2	Temperature(degree C)	----	----	26.6	26.7	26.7	26.4
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	135.4	135.6	135.2	136.3
4	Turbidity, (NTU)	1/1	5/10	1.49	1.62	1.79	1.69
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	<0.01	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	122.40	122.40	122.40	126.48
8	Total Alkalinity, (mg/L)	200/200	600/600	93.72	93.72	97.98	97.98

O.H.R. – OVER HEAD RESERVOIR,

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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: ACTION AREA - I, ZONE – V

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

Date of Testing: 30.08.18

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-180	CA-82	CB-96
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	7.35	7.49	7.53	7.55	7.55
2	Temperature(degree C)	----	----	27.0	26.4	26.2	26.4	26.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	136.2	135.3	135.1	135.1	135.5
4	Turbidity (NTU)	1/1	5/10	1.29	1.22	1.29	1.30	1.20
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.8	0.4	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	114.24	110.16	114.24	110.16	106.08
8	Total Alkalinity (mg/L)	200/200	600/600	93.72	93.72	89.46	93.72	85.20

O.H.R. - OVER HEAD RESERVOIR

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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 – I, ZONE – VIII

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

Date of Testing: 30.08.18

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-27	DB-222	DC-23
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	7.45	7.51	7.54	7.54	7.60
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.8	27.3
3	Total Dissolved Solid.	500/500	2000/2000	136.4	136.0	136.0	135.6	136.3
4	Turbidity, (NTU)	1/1	5/10	1.26	1.42	1.73	1.53	1.49
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	1.0	0.2	0.15	0.1	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	118.32	114.24	114.24	110.16	114.24
8	Total Alkalinity, (mg/L)	200/200	600/600	93.72	89.46	85.20	85.20	89.46

O.H.R. – OVER HEAD RESERVOIR

Sd/
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ACTION AREA – II
(AUGUST' 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: 13.08.2018

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.	HILAND WOODS	AKANKHA	STARL IT COMPLEX	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	7.07	7.24	7.26	7.32	7.28	7.29
2	Temperature (degree C)	----	----	25.2	25.4	25.5	25.4	25.6	25.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	130.9	132.0	131.4	132.1	131.3	130.7
4	Turbidity (NTU)	1/1	5/10	2.12	2.32	2.23	2.19	2.38	2.32
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.1	<0.01	0.1	<0.01	0.1
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	101.90	110.05	101.90	101.90	97.82	101.90
8	Total Alkalinity (mg/L)	200/200	600/600	74.52	74.52	70.38	70.38	70.38	74.52
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	13.40	13.40	11.48	13.40	13.40	13.40
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/-
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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 D, ZONE – V

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

Date of Testing: 13.08.18

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	GREENWOOD 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	7.12	7.29	7.20	7.21	7.28
2	Temperature (degree C)	----	----	25.7	25.7	25.7	25.6	25.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	131.2	132.1	131.8	131.4	131.8
4	Turbidity (NTU)	1/1	5/10	2.95	2.47	2.83	2.62	2.70
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.3	0.2	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	97.82	101.9	97.82	97.82	101.9
8	Total Alkalinity (mg/L)	200/200	600/600	70.38	74.52	70.38	70.38	74.52
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	13.40	13.40	13.40	13.40	13.40
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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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

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

Date of Testing: 13.08.18

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 ELEMENT	GREEN FIELD AMBITION
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	7.11	7.14	7.16	7.16
2	Temperature (degree C)	----	----	25.6	25.6	25.7	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	132.3	131.0	131.5	131.5
4	Turbidity (NTU)	1/1	5/10	2.67	2.99	2.73	2.71
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	1.7	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	105.98	101.90	105.98	101.90
8	Total Alkalinity (mg/L)	200/200	600/600	74.52	74.52	74.52	74.52
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	13.40	11.48	13.40	13.40
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.

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

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 – IIG, ZONE - XI

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

Date of Testing: 14.08.18

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	7.25	7.17	7.27
2	Temperature (degree C)	----	----	27.1	27.3	27.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	130.7	131.2	130.8
4	Turbidity (NTU)	1/1	5/10	2.51	2.56	2.64
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.3	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	114.13	114.13	110.05
8	Total Alkalinity (mg/L)	200/200	600/600	78.66	78.66	82.80
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	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.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.

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

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NTKD-I, P.H.E. Dte.