

**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
JUNE' 2019**

ACTION AREA – I
(JUNE' 2019)

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: 03.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE-104	CE/1/C/139	CE-74
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.54	7.56	7.67	7.65
2	Temperature(degree C)	----	----	25.5	25.5	25.6	25.6	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.6	161.2	161.3	159.8	161.2
4	Turbidity (NTU)	1.00	5.00	1.07	1.37	1.51	1.36	1.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.15	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	116	116	116	116	116
8	Total Alkalinity (mg/L)	200.00	600.00	91.60	91.60	91.60	91.60	91.60
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.71	18.71	18.71	18.71	18.71
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	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.

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

Date of Testing: 03.06.19

No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	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.	6.5-8.5	6.5-8.5	7.40	7.49	7.51	7.63	7.61
2	Temperature(degree C)	----	----	25.7	25.7	25.6	25.7	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.7	161.2	161.6	162.6	161.8
4	Turbidity, (NTU)	1.00	5.00	1.16	1.28	1.04	1.36	1.27
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.15	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :								
7	Total Hardness, (mg/L)	200.00	600.00	116	116	116	120	116
8	Total Alkalinity, (mg/L)	200.00	600.00	91.60	87.02	87.02	91.60	91.60
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.58	20.58	20.58	20.58	20.58
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	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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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: 10.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - I				
				INLET OF O.H.R.	OUTLET OF O.H.R.	EAST ENCLAVE	AC-50	AC-107
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.49	7.74	7.65	7.63
2	Temperature(degree C)	----	----	26.9	26.9	26.8	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	152.1	152.9	155.9	153.9	153.2
4	Turbidity (NTU)	1.00	5.00	1.09	0.87	1.78	1.33	1.25
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.1	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	112	112	116	116	116
8	Total Alkalinity (mg/L)	200.00	600.00	82.44	82.44	87.02	87.02	87.02
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.71	18.71	18.71	18.71	18.71
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F

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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: 10.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINOUS	BA-120	AB-13	AB-72
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.60	7.60	7.59	7.60	7.60
2	Temperature(degree C)	----	----	26.8	26.8	26.9	26.9	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	152.3	152.6	153.2	152.1	152.6	153.0
4	Turbidity (NTU)	1.00	5.00	0.83	0.97	0.99	1.11	1.01	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.2	0.15	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	112	112	116	112	112	112
8	Total Alkalinity (mg/L)	200.00	600.00	82.44	82.44	87.02	82.44	82.44	87.02
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.71	18.71	18.71	18.71	18.71	18.71
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	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: 14.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF-94	HIDCO ADM.BUILDING	DA-88
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.58	7.63	7.63	7.58	7.59
2	Temperature(degree C)	----	----	26.5	26.6	26.5	26.5	26.6	26.5
3	Total Dissolved Solid.	500.00	2000.00	149.2	149.9	149.9	149.5	151.4	149.5
4	Turbidity, (NTU)	1.00	5.00	0.99	1.91	1.34	1.16	0.99	1.14
5	Residual Free Chlorine	0.20	1.00	0.15	0.45	0.2	0.2	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	109.15	113.20	113.20	109.15	113.20	109.15
8	Total Alkalinity, (mg/L)	200.00	600.00	70.38	74.52	74.52	70.38	74.52	70.38
9	Iron(as Fe), (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride, (mg/L)	250.00	1000.00	17.48	19.42	19.42	17.48	19.42	17.48
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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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: 14.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DA-136	DC-23	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.46	7.59	7.63	7.59	7.56
2	Temperature(degree C)	----	----	26.8	26.7	26.7	26.6	26.7	26.5
3	Total Dissolved Solid.	500.00	2000.00	150.1	150.9	151.5	150.1	150.3	150.0
4	Turbidity. (NTU)	1.00	5.00	1.19	1.12	1.27	1.03	1.15	1.33
5	Residual Free Chlorine	0.20	1.00	0.7	0.4	0.15	0.1	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	113.20	113.20	113.20	113.20	113.20	113.20
8	Total Alkalinity. (mg/L)	200.00	600.00	74.52	78.66	78.66	74.52	74.52	74.52
9	Iron(as Fe). (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride. (mg/L)	250.00	1000.00	19.42	19.42	19.42	19.42	19.42	19.42
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 17.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	BC-105	BE-17	BB-50	SR.CITIZEN PARK
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.52	7.57	7.63	7.63	7.67
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.7	26.7	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	148.9	149.8	149.6	149.1	149.8	149.2
4	Turbidity (NTU)	1.00	5.00	0.87	0.60	0.55	1.23	0.90	0.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.2	0.1	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	117.24	117.24	117.24	117.24	117.24	117.24
8	Total Alkalinity (mg/L)	200.00	600.00	90.06	90.06	85.32	85.32	90.06	85.32
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48	17.48	19.42	17.48
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 17.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CB-08	CA-81
Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.66	7.66	7.67	7.66	7.66
2	Temperature(degree C)	----	----	26.8	26.6	26.6	26.7	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	149.9	149.7	149.7	149.3	149.0	148.7
4	Turbidity (NTU)	1.00	5.00	0.79	0.78	1.38	1.42	0.82	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.1	<0.1	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	117.24	117.24	117.24	117.24	117.24	117.24
8	Total Alkalinity (mg/L)	200.00	600.00	90.06	90.06	90.06	90.06	85.32	85.32
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.42	19.42	19.42	17.48	17.48	17.48
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 19.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	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.	6.5-8.5	6.5-8.5	7.61	7.56	7.56
2	Temperature(degree C)	----	----	26.7	26.7	26.7
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	147.8	147.5	147.8
4	Turbidity, (NTU)	1.00	5.00	1.08	1.32	1.11
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.35	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	109.15	109.15	109.15
8	Total Alkalinity, (mg/L)	200.00	600.00	94.80	94.80	94.80
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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: ACTION AREA -I, ZONE - I

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

Date of Testing: 21.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - I				
				INLET OF O.H.R.	OUTLET OF O.H.R.	EAST ENCLAVE	AD-1	AC-107
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.48	7.52	7.55	7.54
2	Temperature(degree C)	----	----	26.8	26.6	26.7	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	144.5	144.8	144.9	144.8	144.7
4	Turbidity (NTU)	1.00	5.00	1.12	0.93	1.00	1.10	1.06
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.1	0.15	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	113.20	113.20	113.20	113.20	113.20
8	Total Alkalinity (mg/L)	200.00	600.00	66.36	66.36	71.10	71.10	71.10

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 – V

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

Date of Testing: 24.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CB-08	CA-81
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.65	7.70	7.70	7.70	7.71
2	Temperature(degree C)	----	----	26.8	26.8	26.7	26.8	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	147.7	147.8	148.8	148.3	147.2	146.7
4	Turbidity (NTU)	1.00	5.00	0.84	1.02	1.46	1.32	1.18	1.02
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.25	0.1	0.1	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	113.20	113.20	117.24	117.24	113.20	113.20
8	Total Alkalinity (mg/L)	200.00	600.00	85.32	85.32	90.06	90.06	85.32	85.32

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: 24.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DA-136	DC-23	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.69	7.67	7.71	7.73	7.81
2	Temperature(degree C)	----	----	26.6	26.6	26.7	26.7	26.8	26.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	146.7	146.9	146.9	147.7	147.8	147.2
4	Turbidity (NTU)	1.00	5.00	1.10	1.31	1.17	1.15	0.97	1.16
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.7	0.4	0.15	0.1	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	113.20	113.20	113.20	113.20	117.24	113.20
8	Total Alkalinity. (mg/L)	200.00	600.00	85.32	85.32	85.32	90.06	90.06	85.32

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: ACTION AREA - I, ZONE – VI

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

Date of Testing: 25.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE/1/A/97	CE-74	CE-197
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.50	7.69	7.68	7.65	7.67
2	Temperature(degree C)	----	----	26.7	26.6	26.6	26.6	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	147.1	146.7	146.6	145.5	146.9	145.6
4	Turbidity (NTU)	1.00	5.00	0.94	1.33	1.28	1.14	1.23	1.19
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	109.15	109.15	109.15	105.11	109.15	105.11
8	Total Alkalinity (mg/L)	200.00	600.00	85.32	90.06	85.32	85.32	94.80	85.32

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: 25.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - III					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NKDA.	AI/153/18	AL/1/C/40	AL/1/B/32
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.49	7.51	7.60	7.57	7.55
2	Temperature(degree C)	----	----	26.8	26.8	26.7	26.7	26.7	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	146.8	148.0	147.9	147.3	147.5	147.4
4	Turbidity, (NTU)	1.00	5.00	1.19	1.59	1.20	1.06	1.10	1.01
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.45	0.2	0.1	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	109.15	109.15	109.15	109.15	109.15	109.15
8	Total Alkalinity, (mg/L)	200.00	600.00	94.80	94.80	90.06	85.32	94.80	90.06

O.H.R. – OVER HEAD RESERVOIR,

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

ACTION AREA – II
(JUNE' 2019)

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: 07.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	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	NKDA MKT
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.45	7.40	7.41	7.42	7.44	7.48
2	Temperature (degree C)	----	----	26.3	26.6	26.4	26.4	26.3	26.9	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	160.5	161.0	161.0	160.5	160.5	160.4	160.5
4	Turbidity (NTU)	1.00	5.00	1.08	1.33	1.26	1.21	1.22	1.27	1.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2	0.1	0.25	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	116	116	116	116	116	116	116
8	Total Alkalinity (mg/L)	200.00	600.00	87.02	87.02	87.02	87.02	87.02	87.02	87.02
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.71	18.71	18.71	18.71	18.71	18.71	18.71
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	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
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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: AA – IID, ZONE – V
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 07.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREENWOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.59	7.59	7.60
2	Temperature (degree C)	----	----	26.7	26.9	26.9	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.8	159.9	160.5	159.4
4	Turbidity (NTU)	1.00	5.00	1.51	1.49	1.32	1.02
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.15	<0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	112	112	112	112
8	Total Alkalinity (mg/L)	200.00	600.00	82.44	82.44	82.44	82.44
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.71	18.71	18.71	18.71
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	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.

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 & Bacteriological)

Date of Testing: 07.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD AMBITION	SHRACHI GREENWOOD ELEMENT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.56	7.57	7.59
2	Temperature (degree C)	----	----	26.8	26.6	26.3	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	160.2	160.1	159.9	161.1
4	Turbidity (NTU)	1.00	5.00	1.13	1.46	1.27	1.64
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.35	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	112	112	112	116
8	Total Alkalinity (mg/L)	200.00	600.00	82.44	82.44	82.44	82.44
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.71	18.71	18.71	18.71
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	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.

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: 18.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	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.	6.5-8.5	6.5-8.5	7.53	7.67	7.66
2	Temperature (degree C)	----	----	26.8	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	148.9	148.0	147.2
4	Turbidity (NTU)	1.00	5.00	1.19	1.29	1.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	113.20	113.20	109.15
8	Total Alkalinity (mg/L)	200.00	600.00	99.57	94.80	94.80
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.42	19.42	17.48
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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.

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 – II A, ZONE – X

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

Date of Testing: 19.06.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREENFIELD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.50	7.58
2	Temperature (degree C)	----	----	26.8	26.9	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	148.0	147.3	147.7
4	Turbidity (NTU)	1.00	5.00	1.40	1.38	1.25
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	109.15	109.15	109.15
8	Total Alkalinity (mg/L)	200.00	600.00	94.80	94.80	94.80
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F

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

Sd/-
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