

**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  
SEPTEMBER' 2019**

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

Date of Testing: 03.09.19

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.55	7.55
2	Temperature(degree C)	----	----	25.2	25.1	25.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	136.4	136.1	136.1
4	Turbidity, (NTU)	1.00	5.00	1.33	1.90	1.42
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.15	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness, (mg/L)	200.00	600.00	125.86	121.80	121.80
8	Total Alkalinity, (mg/L)	200.00	600.00	100.76	100.76	100.76
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.40	13.40	13.40
<b>C. Bacteriological Test Results :</b>						
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/-  
Chemist & Bacteriologist  
Central Water Testing Laboratory  
NTKD – I, P.H.E. Dte.

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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: 06.09.19

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.	DF-94	HIDCO Adm. Building	DA-88
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.57	7.59	7.44	7.49
2	Temperature(degree C)	----	----	24.1	24.1	24.1	24.0	24.0
3	Total Dissolved Solid.	500.00	2000.00	136.3	137.0	137.7	138.4	137.7
4	Turbidity, (NTU)	1.00	5.00	1.43	1.83	1.49	1.54	1.77
5	Residual Free Chlorine	0.20	1.00	0.4	0.4	0.1	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness, (mg/L)	200.00	600.00	113.68	113.68	117.74	117.74	117.74
8	Total Alkalinity, (mg/L)	200.00	600.00	105.34	105.34	109.92	109.92	109.92
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	17.23	17.23	17.23	17.23	17.23
<b>C. Bacteriological Test Results:</b>								
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

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: 06.09.19

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
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.53	7.55	7.49	7.52	7.56
2	Temperature(degree C)	----	----	24.5	24.4	24.4	24.3	24.3	24.2
3	Total Dissolved Solid.	500.00	2000.00	136.7	136.5	136.7	137.2	136.6	137.0
4	Turbidity. (NTU)	1.00	5.00	1.48	1.67	1.25	1.49	0.85	1.62
5	Residual Free Chlorine	0.20	1.00	0.45	0.25	0.1	0.1	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness. (mg/L)	200.00	600.00	117.74	113.68	117.74	117.74	113.68	117.74
8	Total Alkalinity. (mg/L)	200.00	600.00	109.92	105.34	109.92	109.92	105.34	109.92
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	17.23	17.23	17.23	17.23	17.23	17.23
<b>C. Bacteriological Test Results:</b>									
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 – X**

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

Date of Testing: 12.09.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				ZONE - X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD 4D
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.44	7.57
2	Temperature(degree C)	----	----	25.9	25.9	25.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	134.1	133.8	134.2
4	Turbidity, (NTU)	1.00	5.00	1.53	1.01	1.14
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness, (mg/L)	200.00	600.00	117.74	113.68	117.74
8	Total Alkalinity, (mg/L)	200.00	600.00	109.92	105.34	109.92
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.31	15.31	15.31
<b>Bacteriological Test Results :</b>						
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 – VI**

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

Date of Testing: 13.09.19

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-197	CE-74	CE/1/A/97
<b>A. Physico - chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.59	7.60	7.71	7.66	7.71
2	Temperature(degree C)	----	----	25.5	25.7	25.7	25.6	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.6	133.2	133.0	132.3	133.2	132.3
4	Turbidity (NTU)	1.00	5.00	1.26	1.21	0.78	1.23	0.88	0.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.35	0.2	0.2	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	125.86	125.86	129.92	125.86	129.92	125.86
8	Total Alkalinity (mg/L)	200.00	600.00	109.92	109.92	114.50	109.92	114.50	114.50

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)**

**Date of Testing: 13.09.19**

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 - 16	AL/1/C/40	AI - 153/18
<b>A. Physico-chemical Test Results :</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.56	7.58	7.60	7.59	7.58
2	Temperature(degree C)	----	----	25.7	25.7	25.7	25.5	25.6	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.1	133.3	133.3	133.8	133.3	133.0
4	Turbidity, (NTU)	1.00	5.00	1.08	1.07	1.16	1.41	1.41	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.65	0.5	0.2	0.2	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>									
7	Total Hardness, (mg/L)	200.00	600.00	129.92	125.86	129.92	129.92	129.92	125.86
8	Total Alkalinity, (mg/L)	200.00	600.00	109.92	109.92	114.50	114.50	114.50	109.92

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: ACTION AREA -I , ZONE - IV**

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

Date of Testing: 17.09.19

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.	Senior Citizen Park	BE - 17	BB - 50	BC - 105
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.64	7.66	7.72	7.69	7.72
2	Temperature(degree C)	----	----	26.0	26.0	25.9	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.1	134.0	133.6	133.6	133.6	133.2
4	Turbidity (NTU)	1.00	5.00	0.84	1.53	1.66	1.70	1.88	1.24
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	121.80	121.80	125.86	125.86	125.86	121.80
8	Total Alkalinity (mg/L)	200.00	600.00	119.08	119.08	114.50	119.08	119.08	114.50

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: 17.09.19**

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.	New Town Bus Terminus	BA - 120	AB - 13	AB - 72
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.53	7.68	7.70	7.68	7.69	7.68
2	Temperature(degree C)	----	----	25.9	25.9	25.9	25.8	25.8	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.3	134.8	134.7	134.5	134.3	134.3
4	Turbidity (NTU)	1.00	5.00	0.81	1.95	0.99	1.10	0.97	1.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.2	0.1	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	121.80	121.80	121.80	121.80	121.80	121.80
8	Total Alkalinity (mg/L)	200.00	600.00	119.08	114.50	119.08	119.08	114.50	114.50

O.H.R. - OVER HEAD RESERVOIR,

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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: 24.09.19

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.	AC - 142	AD - 26	AC - 107	AC - 50
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.49	7.52	7.53	7.53	7.54
2	Temperature(degree C)	----	----	26.3	26.3	26.2	26.2	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.9	133.9	133.5	133.5	133.4	133.3
4	Turbidity (NTU)	1.00	5.00	0.72	0.53	0.62	0.49	0.84	0.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.45	0.2	0.2	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200.00	600.00	132.35	132.35	128.22	128.22	128.22	128.22
8	Total Alkalinity (mg/L)	200.00	600.00	113.50	113.50	113.50	113.50	113.50	113.50

O.H.R. - OVER HEAD RESERVOIR,

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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: 24.09.19

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 Admin. Building	DA - 88
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.62	7.65	7.65	7.50	7.58
2	Temperature(degree C)	----	----	26.3	26.4	26.4	26.3	26.3	26.2
3	Total Dissolved Solid.	500.00	2000.00	133.7	133.1	133.5	133.1	134.3	133.2
4	Turbidity, (NTU)	1.00	5.00	0.84	0.80	0.79	0.75	0.73	0.67
5	Residual Free Chlorine	0.20	1.00	0.25	0.35	0.1	0.15	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness, (mg/L)	200.00	600.00	132.35	124.08	132.35	128.22	136.49	124.08
8	Total Alkalinity, (mg/L)	200.00	600.00	113.50	113.50	113.50	113.50	113.50	108.96

O.H.R. – OVER HEAD RESERVOIR

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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: 25.09.19**

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				
				OUTLET OF O.H.R.	CC-201	CD-125	CB-08	CA-81
<b>A. Physico - chemical Test Results:</b>								
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.49	7.56	7.57	7.58
2	Temperature(degree C)	----	----	24.9	25.0	25.1	25.1	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.6	132.3	132.4	132.3	132.2
4	Turbidity (NTU)	1.00	5.00	1.46	1.85	1.98	1.52	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.1	0.1	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200.00	600.00	128.22	128.22	132.35	132.35	128.22
8	Total Alkalinity (mg/L)	200.00	600.00	118.04	118.04	118.04	118.04	118.04

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: 25.09.19

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
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.55	7.59	7.59	7.62	7.59
2	Temperature(degree C)	----	----	25.3	25.3	25.1	25.1	25.1	24.9
3	Total Dissolved Solid(mg/L)	500.00	2000.00	132.1	132.2	132.1	132.1	132.2	132.3
4	Turbidity (NTU)	1.00	5.00	0.92	1.82	1.75	1.44	1.77	1.75
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.15	0.1	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness. (mg/L)	200.00	600.00	128.22	128.22	128.22	128.22	128.22	132.35
8	Total Alkalinity. (mg/L)	200.00	600.00	118.04	118.04	118.04	118.04	118.04	118.04

O.H.R. – OVER HEAD RESERVOIR

Sd/-  
Chemist  
Central Water Testing Laboratory  
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**ACTION AREA – II**  
**(SEPTEMBER' 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 – IIG, ZONE – XI**

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

Date of Testing: 02.09.19

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.50	7.52
2	Temperature (degree C)	----	----	25.5	25.2	25.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.2	135.6	135.2
4	Turbidity (NTU)	1.00	5.00	1.69	1.10	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.35	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	109.46	105.40	105.40
8	Total Alkalinity (mg/L)	200.00	600.00	106.68	106.68	106.68
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.23	17.23	17.23
<b>C. Bacteriological Test Results:</b>						
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/-  
Chemist & Bacteriologist  
Central Water Testing Laboratory  
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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 – IIG, ZONE – XI**

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

Date of Testing: 03.09.19

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.54	7.51
2	Temperature (degree C)	----	----	25.2	25.1	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.4	136.0	135.9
4	Turbidity (NTU)	1.00	5.00	1.21	0.99	1.23
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200.00	600.00	125.86	121.80	121.80
8	Total Alkalinity (mg/L)	200.00	600.00	105.34	100.76	100.76
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.40	13.40	13.40
<b>C. Bacteriological Test Results:</b>						
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/-  
Chemist & Bacteriologist  
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 C, ZONE – I**

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

Date of Testing: 11.09.19

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
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.14	7.49	7.48	7.56	7.55	7.59	7.65
2	Temperature (degree C)	----	----	25.1	25.0	25.3	25.2	25.1	25.2	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.0	133.5	133.2	133.0	133.2	132.3	133.2
4	Turbidity (NTU)	1.00	5.00	1.77	1.76	1.63	0.64	1.69	1.06	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.15	0.25	0.2	0.25	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	113.68	113.68	117.74	113.68	117.74	113.68	117.74
8	Total Alkalinity (mg/L)	200.00	600.00	114.50	109.92	114.50	109.92	114.50	109.92	109.92
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	15.31	15.31	15.31	15.31	15.31	15.31	15.31
<b>C. Bacteriological Test Results:</b>										
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  
Central Water Testing Laboratory  
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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 – IID, ZONE – V**  
Sub : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 11.09.19

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
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.35	7.55	7.60
2	Temperature (degree C)	----	----	25.3	25.2	25.3	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.6	133.6	135.2	134.5
4	Turbidity (NTU)	1.00	5.00	1.35	1.74	1.57	1.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	<0.1	<0.1	<0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	117.74	113.68	117.74	117.74
8	Total Alkalinity (mg/L)	200.00	600.00	114.50	109.92	114.50	114.50
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	15.31	15.31	15.31	15.31
<b>C. Bacteriological Test Results:</b>							
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  
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GOVERNMENT OF WEST BENGAL  
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: AA – II D, ZONE – VI**

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

Date of Testing: 11.09.19

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.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.50	7.40	7.34
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.6	134.5	133.8	133.6
4	Turbidity (NTU)	1.00	5.00	0.97	0.96	1.25	1.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	1.0	<0.1	<0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200.00	600.00	113.68	113.68	117.74	113.68
8	Total Alkalinity (mg/L)	200.00	600.00	109.92	109.92	114.50	109.92
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	15.31	15.31	15.31	15.31
<b>C. Bacteriological Test Results:</b>							
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  
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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)

Date of Testing: 27.09.19

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	
				OUTLET OF O.H.R.	ALIAH UNIVERSITY
<b>A. Physico-chemical Test Results:</b>					
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.46
2	Temperature (degree C)	----	----	25.8	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.6	132.6
4	Turbidity (NTU)	1.00	5.00	2.00	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>					
7	Total Hardness (mg/L)	200.00	600.00	119.94	119.94
8	Total Alkalinity (mg/L)	200.00	600.00	108.96	108.96

O.H.R. – OVER HEAD RESERVOIR,

Sd/-  
 Chemist  
 Central Water Testing Laboratory  
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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 – II B, ZONE – IV**

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

Date of Testing: 27.09.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIB, ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.35	7.33	7.47	7.50	7.52	7.40
2	Temperature (degree C)	----	----	25.5	25.7	25.5	25.8	25.8	25.5	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.1	132.6	132.9	133.7	133.7	133.1	132.9
4	Turbidity (NTU)	1.00	5.00	1.01	1.23	1.17	1.82	1.57	1.78	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.15	0.2	0.25	0.2	0.15	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200.00	600.00	119.94	119.94	124.08	124.08	124.08	124.08	124.08
8	Total Alkalinity (mg/L)	200.00	600.00	108.96	108.96	108.96	113.50	113.50	113.50	108.96

O.H.R. – OVER HEAD RESERVOIR

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