

**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
MAY' 2019**

ACTION AREA – I
(MAY' 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 – X

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

Date of Testing: 03.05.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	AL-AMEENATION (DJ/4/9)	AIR FORCE Naval (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	7.53	7.61	7.67	7.73
2	Temperature(degree C)	----	----	25.8	25.9	25.9	25.8
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	181.6	181.9	182.5	182.1
4	Turbidity, (NTU)	1/1	5/10	1.32	1.39	0.90	1.54
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.1	0.25	0.15	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	132.17	132.17	132.17	132.17
8	Total Alkalinity, (mg/L)	200/200	600/600	127.12	127.12	127.12	127.12

O.H.R. – OVER HEAD RESERVOIR

Sd/-
 Chemist
 Central Water Testing Laboratory
 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 – I, ZONE – IX
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 07.05.19

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	7.49	7.60	7.66	7.71
2	Temperature(degree C)	----	----	26.0	26.1	26.1	26.2
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	177.0	176.6	176.3	176.2
4	Turbidity, (NTU)	1/1	5/10	1.22	1.42	1.44	1.59
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.2	0.3	0.15	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	132.17	132.17	132.17	132.17
8	Total Alkalinity, (mg/L)	200/200	600/600	118.04	118.04	118.04	118.04
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.80	22.80	22.80	22.80
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

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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 – V

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

Date of Testing: 10.05.19

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.	CC-100	CD-125	CB-162
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	7.69	7.73	7.74	7.79
2	Temperature(degree C)	----	----	26.4	26.3	26.6	26.7	26.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	170.5	171.2	171.0	171.8	170.8
4	Turbidity (NTU)	1/1	5/10	1.80	1.89	1.90	1.28	1.98
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.5	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	132.17	132.17	132.17	136.17	132.17
8	Total Alkalinity (mg/L)	200/200	600/600	99.88	99.88	99.88	104.41	99.88

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)

Date of Testing: 10.05.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VIII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DB-222	DA-101	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	7.74	7.79	7.85	7.86	7.88
2	Temperature(degree C)	----	----	26.6	26.8	26.7	26.7	26.8
3	Total Dissolved Solid.	500/500	2000/2000	170.6	169.4	168.6	168.4	170.1
4	Turbidity. (NTU)	1/1	5/10	1.47	1.67	1.52	1.72	1.85
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	0.7	0.3	0.1	0.2	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness. (mg/L)	200/200	600/600	132.17	132.17	132.17	132.17	132.17
8	Total Alkalinity. (mg/L)	200/200	600/600	99.88	99.88	99.88	99.88	104.42

O.H.R. – OVER HEAD RESERVOIR

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 13.05.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	AL-AMEENATION (DJ/4/9)	AIR FORCE Naval (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	7.59	7.58	7.68	7.71
2	Temperature(degree C)	----	----	26.0	26.0	26.2	26.2
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	170.1	170.6	170.7	169.9
4	Turbidity, (NTU)	1/1	5/10	0.92	1.30	1.06	0.94
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.1	0.35	0.25	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	120.15	124.16	124.16	120.15
8	Total Alkalinity, (mg/L)	200/200	600/600	104.42	104.42	104.42	104.42

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 13.05.19

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	RISHI TOWER
A. Physico-chemical Test Results:							
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.55	7.63	7.64	7.66
2	Temperature(degree C)	----	----	26.1	26.0	26.0	26.1
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	170.2	170.2	169.4	169.2
4	Turbidity, (NTU)	1/1	5/10	1.02	0.94	1.31	1.36
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.25	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	128.16	124.16	120.15	124.16
8	Total Alkalinity, (mg/L)	200/200	600/600	104.42	99.88	104.42	99.88

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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: 20.05.19

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.	AA-06	AD-17	AD-26
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	7.54	7.54	7.57	7.59
2	Temperature(degree C)	----	----	25.8	25.8	25.7	25.6	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	164.4	163.8	163.5	162.7	162.8
4	Turbidity (NTU)	1/1	5/10	1.13	1.16	1.76	1.07	1.08
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	0.25	0.2	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	124	120	120	120	124
8	Total Alkalinity (mg/L)	200/200	600/600	105.34	105.34	105.34	100.76	100.76

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)

Date of Testing: 20.05.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DC-159	DC-181
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	7.62	7.61	7.60	7.59
2	Temperature(degree C)	----	----	25.7	25.7	25.8	25.7	25.6
3	Total Dissolved Solid.	500/500	2000/2000	164.1	163.5	163.2	162.8	162.6
4	Turbidity, (NTU)	1/1	5/10	1.57	1.34	1.30	1.30	1.38
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	0.7	0.3	0.15	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	124	120	120	120	120
8	Total Alkalinity, (mg/L)	200/200	600/600	100.76	100.76	100.76	100.76	100.76

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

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 24.05.19

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/C/168	CE-74	CE/1/C-47
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	7.66	7.66	7.71	7.73	7.73
2	Temperature(degree C)	----	----	25.6	25.5	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	160.0	160.4	160.7	160.5	160.3
4	Turbidity (NTU)	1/1	5/10	1.31	1.33	1.34	1.55	1.39
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.4	0.35	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	124	120	124	124	124
8	Total Alkalinity (mg/L)	200/200	600/600	96.18	91.60	96.18	91.60	91.60

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: 24.05.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - III				
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA.	AI-10	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	7.55	7.52	7.60	7.71	7.71
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.5	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	161.1	160.7	161.6	161.0	161.0
4	Turbidity, (NTU)	1/1	5/10	1.14	1.15	1.40	1.07	1.43
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.55	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	120	120	124	124	120
8	Total Alkalinity, (mg/L)	200/200	600/600	91.60	91.60	96.18	91.60	91.60

O.H.R. – OVER HEAD RESERVOIR,

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ACTION AREA – II
(MAY' 2019)

GOVERNMENT OF WEST BENGAL
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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: 07.05.19

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	7.65	7.82	7.84
2	Temperature (degree C)	----	----	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	175.8	174.6	174.7
4	Turbidity (NTU)	1/1	5/10	1.77	1.88	1.51
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	128.16	128.16	128.16
8	Total Alkalinity (mg/L)	200/200	600/600	113.50	113.50	113.50
9	Iron(as Fe) (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.80	22.80	22.80
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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 13.05.19

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	7.70	7.66	7.66
2	Temperature (degree C)	----	----	26.0	26.0	26.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	169.3	168.8	168.1
4	Turbidity (NTU)	1/1	5/10	1.28	1.07	1.56
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.25	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	120.15	124.16	120.15
8	Total Alkalinity (mg/L)	200/200	600/600	104.42	104.42	104.42

O.H.R. – OVER HEAD RESERVOIR

Sd/-
Chemist
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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 – II B, ZONE – IV

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

Date of Testing: 15.05.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	MAHUA MADHABI
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	7.53	7.50	7.50	7.49	7.48	7.49	7.51
2	Temperature (degree C)	----	----	24.8	25.3	25.0	25.1	25.4	25.8	25.7	25.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	166.0	167.2	166.2	166.2	166.1	167.3	165.6	165.7
4	Turbidity (NTU)	1/1	5/10	1.35	1.22	1.39	1.97	1.10	0.94	1.45	1.15
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200/200	600/600	132	136	132	132	132	136	132	132
8	Total Alkalinity (mg/L)	200/200	600/600	87.02	91.60	91.60	91.60	87.02	91.60	87.02	87.02

O.H.R. – OVER HEAD RESERVOIR ,

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GOVERNMENT OF WEST BENGAL
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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: 20.05.19

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	7.58	7.65	7.64
2	Temperature (degree C)	----	----	25.7	25.8	25.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	163.2	162.9	162.8
4	Turbidity (NTU)	1/1	5/10	1.64	1.60	1.10
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.35	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	124	120	120
8	Total Alkalinity (mg/L)	200/200	600/600	100.76	100.76	100.76

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 – II C, ZONE – I

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

Date of Testing: 27.05.19

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	STAR LIT 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	7.61	7.70	7.65	7.64	7.63	7.64
2	Temperature (degree C)	----	----	25.6	25.6	25.6	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	159.0	159.1	158.7	158.1	158.0	158.0
4	Turbidity (NTU)	1/1	5/10	1.84	1.88	1.75	1.89	1.92	2.01
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.35	<0.3	0.2	0.25	0.35
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	120	120	120	120	124	124
8	Total Alkalinity (mg/L)	200/200	600/600	96.18	96.18	96.18	96.18	91.60	91.60

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 – II D, ZONE – V

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

Date of Testing: 27.05.19

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	GREEN WOOD SONATA	UJJALA
A. Physico-chemical Test Results:									
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.68	7.74	7.74	7.74	7.73	7.76
2	Temperature (degree C)	----	----	25.6	25.6	25.5	25.5	25.5	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	157.4	157.8	157.7	157.6	157.5	157.5
4	Turbidity (NTU)	1/1	5/10	1.64	1.65	2.39	2.03	1.84	1.55
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.2	0.15	0.1	0.1	<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	116	120	116	116	116	116
8	Total Alkalinity (mg/L)	200/200	600/600	96.18	91.60	96.18	96.18	96.18	96.18

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 – IID, ZONE – VI

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

Date of Testing: 27.05.19

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.	SHRACHI GREEN WOOD 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	7.64	7.73	7.74	7.74
2	Temperature (degree C)	----	----	25.5	25.6	25.5	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	157.5	158.0	158.4	157.7
4	Turbidity (NTU)	1/1	5/10	1.96	1.79	1.53	1.58
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.2	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	116	116	120	116
8	Total Alkalinity (mg/L)	200/200	600/600	96.18	96.18	91.60	96.18

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 – IIA, ZONE – X

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

Date of Testing: 29.05.19

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	7.49	7.62	7.62
2	Temperature (degree C)	----	----	25.6	25.7	25.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	156.2	156.0	156.3
4	Turbidity (NTU)	1/1	5/10	2.02	1.74	1.71
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.3	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	116	116	116
8	Total Alkalinity (mg/L)	200/200	600/600	91.60	91.60	91.60
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.58	20.58	20.58
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

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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: 29.05.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MAHUA MADHABI	MALANCHA	NKDA MARKET	ECO URBAN 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	7.53	7.51	7.51	7.48	7.53	7.47	7.51	7.51
2	Temperature (degree C)	----	----	25.7	25.7	25.6	25.6	25.5	25.5	25.7	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	155.8	156.2	155.2	155.9	155.3	155.6	155.8	154.9
4	Turbidity (NTU)	1/1	5/10	1.52	2.29	1.60	1.94	1.96	2.15	1.63	1.74
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.2	0.25	0.25	0.3	0.35	0.2	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200/200	600/600	116	116	112	116	112	112	116	112
8	Total Alkalinity (mg/L)	200/200	600/600	91.60	91.60	91.60	96.18	91.60	91.60	91.60	91.60
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F	N.F

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

Sd/-
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