

**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
FEBRUARY' 2020**

ACTION AREA – I
(FEBRUARY' 2020)

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: 03.02.2020

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	7.19	7.38	7.51	7.60	7.59	7.60
2	Temperature(degree C)	----	----	23.2	23.1	23.3	23.2	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.2	180.2	180.8	181.7	180.9	180.3
4	Turbidity (NTU)	1.00	5.00	1.21	1.89	1.64	1.96	1.60	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.1	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	161.44	161.44	161.44	161.44	161.44	161.44
8	Total Alkalinity (mg/L)	200.00	600.00	169.62	169.62	169.62	174.76	169.62	169.62

O.H.R. – OVER HEAD RESERVOIR,

Sd/-
Chemist
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: ACTION AREA -I, ZONE - II

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

Date of Testing: 03.02.2020

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.53	7.64	7.60	7.59	7.60	7.58
2	Temperature(degree C)	----	----	23.1	23.1	23.2	23.2	23.1	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.5	179.8	181.4	181.7	180.8	180.9
4	Turbidity (NTU)	1.00	5.00	1.64	1.89	1.33	1.69	1.94	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2	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	161.44	157.40	161.44	161.44	161.44	161.44
8	Total Alkalinity (mg/L)	200.00	600.00	169.62	169.62	174.76	174.76	169.62	169.62

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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: 04.02.2020

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.	AD - 17	AC - 26	AC - 107	AA - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.80	7.77	7.67	7.71	7.74
2	Temperature(degree C)	----	----	23.0	23.0	23.3	23.4	23.3	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.3	180.4	180.9	181.7	180.5	180.3
4	Turbidity (NTU)	1.00	5.00	1.50	1.90	1.61	1.40	1.62	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	149.33	149.33	149.33	153.36	149.33	149.33
8	Total Alkalinity (mg/L)	200.00	600.00	179.90	179.90	179.90	179.90	179.90	179.90

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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)

Date of Testing: 06.02.2020

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				
				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	7.69	7.82	7.95	7.82	7.88
2	Temperature(degree C)	----	----	23.8	23.1	23.7	23.1	23.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.9	176.2	180.1	181.4	181.7
4	Turbidity (NTU)	1.00	5.00	1.39	1.17	1.48	1.15	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	<0.1	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	161.44	153.36	165.48	169.51	169.51
8	Total Alkalinity (mg/L)	200.00	600.00	174.76	174.76	179.9	179.9	179.9

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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: 06.02.2020

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 Office	AI/B/13	AL/1/C/40	AL/1/C/28
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.72	7.85	7.78	7.79	7.81
2	Temperature(degree C)	----	----	23.4	23.5	23.8	23.6	23.6	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.6	180.3	180.8	180.0	180.3	180.1
4	Turbidity, (NTU)	1.00	5.00	1.87	1.79	1.41	1.56	1.73	1.63
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.3	0.2	0.2	0.1	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	165.47	165.47	165.47	165.47	165.47	165.47
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9

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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: 10.02.2020

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.73	7.78
2	Temperature(degree C)	----	----	23.1	23.2	23.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	182.4	182.9	182.5
4	Turbidity, (NTU)	1.00	5.00	1.83	1.78	1.50
5	Residual Free Chlorine(mg/L)	0.20	1.00	<0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	161.44	161.44	161.44
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	179.9

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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: 10.02.2020

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.	RISHI TOWER	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.67	7.74	7.78
2	Temperature(degree C)	----	----	23.1	23.2	23.2	23.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	182.9	183.1	181.8	182.6
4	Turbidity, (NTU)	1.00	5.00	1.92	1.90	1.75	1.95
5	Residual Free Chlorine(mg/L)	0.20	1.00	<0.1	0.2	<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	161.44	165.47	157.40	161.44
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9

O.H.R. - OVER HEAD RESERVOIR

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I , ZONE - IV

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

Date of Testing: 12.02.2020

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.71	7.70	7.71	7.67	7.72
2	Temperature(degree C)	----	----	23.3	23.3	23.4	23.3	23.3	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.5	182.6	184.2	182.9	184.2	182.6
4	Turbidity (NTU)	1.00	5.00	1.16	1.33	1.66	0.72	0.93	1.27
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.2	0.15	<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	141.26	141.26	149.33	141.26	149.33	141.26
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9

O.H.R. – OVER HEAD RESERVOIR

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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 13.02.2020

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				
				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	7.65	7.71	7.80	7.75	7.81
2	Temperature(degree C)	----	----	23.4	23.5	23.5	23.4	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.7	181.1	181.7	182.3	182.4
4	Turbidity (NTU)	1.00	5.00	1.80	1.50	1.55	1.34	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.1	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	149.33	149.33	149.33	153.36	153.36
8	Total Alkalinity (mg/L)	200.00	600.00	174.76	174.76	174.76	179.9	179.9

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 – III

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

Date of Testing: 13.02.2020

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 Office	AI/B/13	AL/1/C/40	AL/1/C/28
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.67	7.62	7.62	7.65	7.63
2	Temperature(degree C)	----	----	23.6	23.8	23.8	23.0	23.1	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.1	182.5	181.7	182.7	181.9	182.5
4	Turbidity, (NTU)	1.00	5.00	1.21	1.22	1.12	1.26	1.13	1.58
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.25	0.15	0.15	0.1	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	157.40	153.36	153.36	153.36	149.33	153.36
8	Total Alkalinity, (mg/L)	200.00	600.00	179.9	179.9	174.76	179.9	174.76	179.9

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 15

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

Date of Testing: 17.02.2020

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	7.66	7.68	7.69	7.67	7.57	7.62
2	Temperature(degree C)	----	----	24.5	24.3	24.6	24.5	24.2	24.4
3	Total Dissolved Solid.	500.00	2000.00	181.2	180.8	182.0	181.6	181.4	180.5
4	Turbidity, (NTU)	1.00	5.00	1.43	1.64	1.85	1.74	1.96	1.64
5	Residual Free Chlorine	0.20	1.00	0.2	0.35	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	141.82	137.76	145.87	141.82	141.82	137.76
8	Total Alkalinity, (mg/L)	200.00	600.00	153.52	153.52	157.56	153.52	153.52	149.48
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	20.9	20.9	22.8	20.9	20.9	20.9
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: 17.02.2020

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	7.66	7.73	7.76	7.71	7.72	7.69
2	Temperature(degree C)	----	----	24.4	24.6	25.1	24.9	25.2	24.7
3	Total Dissolved Solid.	500.00	2000.00	182.7	181.4	181	180.5	180.5	180.7
4	Turbidity. (NTU)	1.00	5.00	1.62	1.89	1.38	1.84	1.59	1.89
5	Residual Free Chlorine	0.20	1.00	0.4	0.3	0.1	<0.1	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	145.87	141.82	141.82	137.76	137.76	137.76
8	Total Alkalinity. (mg/L)	200.00	600.00	157.56	153.52	153.52	153.52	149.48	149.48
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	22.8	20.9	20.9	19.0	19.0	20.9
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
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 – I, ZONE – X
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 18.02.2020

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
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.64	7.68
2	Temperature(degree C)	----	----	25.1	25.3	25.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	182.8	182.4	182.2
4	Turbidity, (NTU)	1.00	5.00	1.83	1.13	1.11
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.25	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	158.02	153.97	153.97
8	Total Alkalinity, (mg/L)	200.00	600.00	161.6	161.6	157.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	26.60	26.60	26.60
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/-
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 – I, ZONE – IX
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 18.02.2020

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.	Rishi Tower	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.52	7.68	7.65	7.67
2	Temperature(degree C)	----	----	25.3	25.3	25.2	25.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	182.4	181.3	181.9	181.1
4	Turbidity, (NTU)	1.00	5.00	1.76	1.80	1.90	1.87
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.4	0.15	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	153.97	149.92	149.92	149.92
8	Total Alkalinity, (mg/L)	200.00	600.00	161.6	157.56	157.56	157.56
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	26.60	26.60	24.7	24.70
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/-
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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 - I

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

Date of Testing: 24.02.2020

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.	AD - 26	AD - 01	AC - 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.81	7.69	7.64	7.65	7.65
2	Temperature(degree C)	----	----	25.5	25.4	25.4	25.5	25.4	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.3	172.7	173.3	173.7	173.1	173.4
4	Turbidity (NTU)	1.00	5.00	1.52	1.46	1.77	1.21	1.70	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.2	0.1	0.2	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	149.92	145.87	149.92	149.92	149.92	149.92
8	Total Alkalinity (mg/L)	200.00	600.00	141.4	145.44	141.4	141.4	141.4	141.4
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	20.90	19.00	20.90	20.90	20.90	20.90
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

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 - I

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

Date of Testing: 24.02.2020

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.	AD - 26	AD - 01	AC - 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.81	7.69	7.64	7.65	7.65
2	Temperature(degree C)	----	----	25.5	25.4	25.4	25.5	25.4	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.3	172.7	173.3	173.7	173.1	173.4
4	Turbidity (NTU)	1.00	5.00	1.52	1.46	1.77	1.21	1.70	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.2	0.1	0.2	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	149.92	145.87	149.92	149.92	149.92	149.92
8	Total Alkalinity (mg/L)	200.00	600.00	141.4	145.44	141.4	141.4	141.4	141.4
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	20.90	19.00	20.90	20.90	20.90	20.90
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

Sd/-
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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: ACTION AREA -I, ZONE - IV

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

Date of Testing: 27.02.2020

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.58	7.57	7.58	7.57	7.58
2	Temperature(degree C)	----	----	24.9	25.0	24.9	24.5	24.8	24.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.1	170.8	171.3	170.8	170.1	171.0
4	Turbidity (NTU)	1.00	5.00	1.55	1.37	1.50	1.38	1.87	1.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.2	0.1	0.3	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	145.87	145.87	145.87	145.87	145.87	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	133.32	129.28	133.32	133.32	129.28	133.32
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	20.90	20.90	20.90	20.90	20.90	20.90
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

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

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

TEST REPORT: ACTION AREA - I, ZONE – V
Sub. : Water Testing (Physico-Chemical, Chemical & Bacteriological)

Date of Testing: 27.02.2020

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	7.35	7.55	7.72	7.65	7.70	7.66
2	Temperature(degree C)	----	----	25.4	25.1	25.1	25.1	25.1	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.1	184.4	173.3	172.0	172.2	172.1
4	Turbidity (NTU)	1.00	5.00	1.76	1.52	1.57	1.60	1.86	1.39
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.1	0.1	0.1	<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	145.87	145.87	145.87	145.87	145.87	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	137.36	137.36	137.36	133.32	133.32	133.32
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	19.00	19.00	19.00	20.90	20.90	20.90
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

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 – I, ZONE – VII

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

Date of Testing: 28.02.2020

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	DA - 88	HIDCO Admin. Building	DF - 94
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.61	7.54	7.46	7.55	7.57
2	Temperature(degree C)	----	----	25.4	25.4	25.9	25.4	25.6	25.5
3	Total Dissolved Solid.	500.00	2000.00	171.1	171.2	171.7	172.7	171.8	171.3
4	Turbidity, (NTU)	1.00	5.00	1.19	1.58	1.80	2.28	1.84	1.69
5	Residual Free Chlorine	0.20	1.00	<0.1	0.3	0.25	<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	149.92	149.92	149.92	149.92	149.92	149.92
8	Total Alkalinity, (mg/L)	200.00	600.00	145.44	145.44	145.44	145.44	145.44	145.44

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: 28.02.2020

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	7.63	7.62	7.56	7.56	7.65	7.58
2	Temperature(degree C)	----	----	25.7	25.8	25.9	25.8	25.6	25.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	173.1	173.2	173.0	173.2	172.2	173.1
4	Turbidity (NTU)	1.00	5.00	1.64	1.74	1.29	1.44	1.60	1.48
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.15	0.25	0.15	<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	153.97	153.97	153.97	153.97	149.92	153.97
8	Total Alkalinity. (mg/L)	200.00	600.00	149.48	149.48	149.48	149.48	145.44	149.48

O.H.R. – OVER HEAD RESERVOIR

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

ACTION AREA – II
(FEBRUARY' 2020)

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: 07.02.2020

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.	J.S.W STEEL (11C/3)	STAR LIT COMPLEX	HILAND WOODS	MOON BEAM	NKDA Mkt.
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.72	7.73	7.76	7.76	7.69	7.72
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1	23.2	23.6	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181	180.1	180.2	181	180.1	180.8	180.5
4	Turbidity (NTU)	1.00	5.00	1.93	1.54	2.06	1.86	1.94	2.15	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.4	0.2	0.3	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	149.33	145.29	145.29	149.33	145.29	145.29	145.29
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9	179.9

O.H.R. – OVER HEAD RESERVOIR

Sd/-
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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 – IID, ZONE – V

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

Date of Testing: 07.02.2020

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	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.79	7.76	7.81
2	Temperature (degree C)	----	----	23.4	23.4	23.1	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.7	179.8	180.1	179.9
4	Turbidity (NTU)	1.00	5.00	2.13	2.17	2.11	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.3	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	145.29	145.29	145.29	145.29
8	Total Alkalinity (mg/L)	200.00	600.00	174.76	174.76	179.9	174.76

O.H.R. – OVER HEAD RESERVOIR,

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

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

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing:10.02.2020

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	7.66	7.76	7.80
2	Temperature (degree C)	----	----	23.3	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.3	182.6	181.9
4	Turbidity (NTU)	1.00	5.00	1.83	1.71	1.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	161.44	161.44	161.44
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9

O.H.R. – OVER HEAD RESERVOIR

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

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

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 12.02.2020

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.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.52	7.72	7.63
2	Temperature (degree C)	----	----	23.6	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.3	183.6	182.9
4	Turbidity (NTU)	1.00	5.00	2.36	1.92	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	149.33	145.29	141.26
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9

O.H.R. – OVER HEAD RESERVOIR,

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

TEST REPORT: AA – IIB, ZONE – IV

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

Date of Testing: 12.02.2020

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
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.53	7.54	7.54	7.59	7.60	7.59
2	Temperature (degree C)	----	----	23.4	23.4	23.6	23.5	23.7	23.5	23.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.9	184.3	183.7	182.9	183.9	183.8	184.6
4	Turbidity (NTU)	1.00	5.00	1.61	1.64	1.21	2.03	2.11	2.12	1.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.3	0.3	0.15	0.2	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	145.29	149.33	145.29	141.26	145.29	145.29	149.33
8	Total Alkalinity (mg/L)	200.00	600.00	179.9	179.9	179.9	179.9	179.9	179.9	179.9

O.H.R. – OVER HEAD RESERVOIR ,

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

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

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 18.02.2020

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	7.50	7.60	7.69
2	Temperature (degree C)	----	----	25.2	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.8	180.5	180.3
4	Turbidity (NTU)	1.00	5.00	1.86	1.98	2.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	149.92	145.87	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	157.56	153.52	153.52
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.70	22.80	22.80
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/-
Chemist
Central Water Testing Laboratory
NTKD - I P.H.E. Dte.

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

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 20.02.2020

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.	Aliah University
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.63	7.63
2	Temperature (degree C)	----	----	25.7	25.5	25.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.6	179.0	179.1
4	Turbidity (NTU)	1.00	5.00	1.90	1.80	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	153.97	158.02	158.02
8	Total Alkalinity (mg/L)	200.00	600.00	153.52	153.52	153.52
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.0	19.0	19.0
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/-
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 – II B, ZONE – IV

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

Date of Testing: 20.02.2020

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
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	7.59	7.58	7.53	7.54	7.56	7.54
2	Temperature (degree C)	----	----	26.1	26	25.8	25.8	25.9	25.8	25.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.6	177.7	178.6	179.4	180.2	179.4	179.0
4	Turbidity (NTU)	1/1	5/10	1.92	1.85	2.44	1.71	2.06	1.81	1.70
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.3	0.2	0.25	0.1	0.15	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200/200	600/600	158.02	153.97	153.97	158.02	158.02	158.02	158.02
8	Total Alkalinity (mg/L)	200/200	600/600	153.52	149.48	153.52	153.52	153.52	153.52	153.52
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
10	Chloride (mg/L)	250/200	1000/1000	19.00	19.00	19.00	19.00	19.00	19.00	19.00
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F	N.F	N.F	N.F

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

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

Date of Testing: 26.02.2020

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	STARLIT COMPLEX	HILAND WOODS	MOON BEAM	NKDA Mkt.
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.49	7.64	7.63	7.59	7.69	7.67	7.57
2	Temperature (degree C)	----	----	25.4	25.3	24.8	25.1	25.2	25.1	24.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.0	174.4	172.8	172.2	142.5	173.6	174.3
4	Turbidity (NTU)	1.00	5.00	1.52	1.77	2.05	1.93	2.06	1.95	1.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.2	<0.1	0.2	0.1	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	145.87	145.87	141.82	141.82	141.82	141.82	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	149.48	149.48	145.44	145.44	145.44	145.44	149.48
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	20.90	20.90	19.00	19.00	19.00	19.00	20.90
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
Central Water Testing Laboratory
NTKD - I P.H.E. Dte.

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

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

Date of Testing: 26.02.2020

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	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.52	7.49	7.45
2	Temperature (degree C)	----	----	24.9	24.8	24.8	24.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	172.9	172.0	172.2	172.7
4	Turbidity (NTU)	1.00	5.00	1.48	2.05	1.90	1.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.35	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	141.4	141.4	141.4	141.4
8	Total Alkalinity (mg/L)	200.00	600.00	145.44	145.44	145.44	145.44
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	19.00	19.00	19.00	19.00
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
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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 – VI
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 26.02.2020

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
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.72	7.71	7.65
2	Temperature (degree C)	----	----	24.9	24.9	23.0	24.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.9	173.9	174.2	174.0
4	Turbidity (NTU)	1.00	5.00	1.50	1.84	2.17	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.2	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	145.87	145.87	145.87	145.87
8	Total Alkalinity (mg/L)	200.00	600.00	149.48	145.44	149.48	149.48
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	20.90	20.90	20.90	20.90
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/-
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Central Water Testing Laboratory
NTKD - I P.H.E. Dte.