

**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
JANUARY' 2020**

ACTION AREA – I
(JANUARY' 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 – I, ZONE – X

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

Date of Testing: 06.01.2020

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	7.66	7.71
2	Temperature(degree C)	----	----	23.5	23.6	23.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	180.7	180.2	179.9
4	Turbidity, (NTU)	1.00	5.00	1.66	1.71	1.05
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.15	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	170.03	165.98	165.98
8	Total Alkalinity, (mg/L)	200.00	600.00	156.56	152.44	152.44

O.H.R. – OVER HEAD RESERVOIR

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

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 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)

Date of Testing: 06.01.2020

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	7.73	7.76	7.77
2	Temperature(degree C)	----	----	23.5	23.6	23.7	23.7
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	180.2	179.9	179.8	179.7
4	Turbidity, (NTU)	1.00	5.00	1.57	1.19	1.20	1.59
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.25	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	170.03	165.98	165.98	165.98
8	Total Alkalinity, (mg/L)	200.00	600.00	156.56	156.56	156.56	152.44

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 & Bacteriological)

Date of Testing: 10.01.2020

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 - 197	CE - 74	CE /1/A/97
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.66	7.71	7.71	7.72
2	Temperature(degree C)	----	----	23.6	23.6	23.6	23.7	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.4	182.5	182.4	182.3	182.2
4	Turbidity (NTU)	1.00	5.00	0.85	1.08	1.38	1.13	1.14
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.25	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	178.13	174.08	174.08	174.08	174.08
8	Total Alkalinity (mg/L)	200.00	600.00	156.56	156.56	156.56	156.56	156.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.86	18.86	18.86	18.86	18.86
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

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

Date of Testing: 10.01.2020

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 Off.	AI/153/18	AL/1/C/40	AL/1/C/4
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.59	7.62	7.61	7.61	7.65
2	Temperature(degree C)	----	----	23.8	23.8	23.7	23.6	23.7	23.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.7	181.9	182.2	184.2	183.4	182.2
4	Turbidity, (NTU)	1.00	5.00	1.06	0.82	1.14	0.72	1.27	1.03
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.3	0.2	0.15	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	178.13	174.08	178.13	182.18	182.18	178.13
8	Total Alkalinity, (mg/L)	200.00	600.00	156.56	156.56	156.56	160.68	160.68	156.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.86	18.86	18.86	18.86	18.86	18.86
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 13.01.2020

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	7.77	7.75	7.76	7.77	7.67	7.77
2	Temperature(degree C)	----	----	23.1	23.3	23.1	23.2	23.2	23.1
3	Total Dissolved Solid.	500.00	2000.00	183.1	184.5	183.5	183.3	184.1	183.3
4	Turbidity, (NTU)	1.00	5.00	1.00	1.33	1.85	1.28	1.35	1.64
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.3	0.25	0.1	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	178.13	178.13	178.13	178.13	178.13	174.08
8	Total Alkalinity, (mg/L)	200.00	600.00	156.56	160.68	160.68	156.56	160.68	160.68
9	Iron(as Fe), (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride, (mg/L)	250.00	1000.00	18.86	18.86	18.86	18.86	18.86	18.86
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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TEST REPORT: AA – I. ZONE – VIII
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 13.01.2020

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	7.69	7.81	7.87	7.75	7.86	7.74
2	Temperature(degree C)	----	----	23.2	23.2	23.1	23.2	23.0	23.1
3	Total Dissolved Solid.	500.00	2000.00	183.2	183.9	182.8	182.8	183.2	183.1
4	Turbidity. (NTU)	1.00	5.00	1.46	1.52	0.93	1.13	1.54	1.12
5	Residual Free Chlorine	0.20	1.00	0.25	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	178.13	178.13	174.08	174.08	178.13	178.13
8	Total Alkalinity. (mg/L)	200.00	600.00	156.56	160.68	152.44	152.44	156.56	156.56
9	Iron(as Fe). (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride. (mg/L)	250.00	1000.00	18.86	18.86	18.86	18.86	18.86	18.86
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 15.01.2020

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	7.69	7.67	7.72	7.71	7.70	7.78
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.4	23.5	23.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.5	184.0	184.1	183.9	183.7	183.6
4	Turbidity (NTU)	1.00	5.00	1.34	1.38	1.52	1.67	1.43	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.35	0.2	0.15	0.25	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	153.22	157.25	157.25	157.25	153.22	153.22
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	165.02	165.02	165.02	160.56	160.56
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	17.49	17.49	17.49	17.49	17.49	17.49
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

O.H.R. – OVER HEAD RESERVOIR,

N.F. – NOT FOUND

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – V

Sub. : Water Testing (Physico-Chemical, Chemical & Bacteriological) Date of Testing: 15.01.2020

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	7.66	7.63	7.69	7.71	7.70	7.69
2	Temperature(degree C)	----	----	23.5	23.5	23.7	23.8	23.8	23.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.2	183.0	183.6	183.8	183.7	183.7
4	Turbidity (NTU)	1.00	5.00	1.25	1.40	1.38	1.44	1.49	1.47
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.35	0.2	0.1	0.25	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	153.22	153.22	157.25	157.25	157.25	157.25
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	160.56	165.02	165.02	165.02	165.02
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48	17.48	17.48	17.48
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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

Sd/-
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 16.01.2020

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.	AC - 169	AA - 03	AC - 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.60	7.66	7.64	7.61	7.62
2	Temperature(degree C)	----	----	23.5	23.2	23.5	23.8	23.9	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.8	183.1	184.0	184.3	184.9	184.4
4	Turbidity (NTU)	1.00	5.00	0.84	1.40	1.53	1.67	1.44	1.62
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.3	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	153.22	153.22	153.22	153.22	157.25	157.25
8	Total Alkalinity (mg/L)	200.00	600.00	160.56	160.56	160.56	160.56	165.02	165.02
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48	17.48	17.48	17.48
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 16.01.2020

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.	NEWTOWN BUS TERMINOUS	BA-120	AB - 13	AB - 72
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.70	7.68	7.69	7.68	7.77
2	Temperature(degree C)	----	----	23.3	23.3	23.2	23.0	23.0	23.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.8	185.1	184.0	184.4	184.3	184.5
4	Turbidity (NTU)	1.00	5.00	1.38	1.32	1.02	0.92	0.98	1.50
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.2	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	157.25	157.25	153.22	153.22	153.22	157.25
8	Total Alkalinity (mg/L)	200.00	600.00	165.02	165.02	160.56	160.56	160.56	165.02
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.48	17.48	17.48	17.48	17.48	17.48
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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: 17.01.2020

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	7.68	7.67	7.77
2	Temperature(degree C)	----	----	23.5	23.2	23.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	187.1	186.3	185.4
4	Turbidity, (NTU)	1.00	5.00	1.85	1.61	1.71
5	Residual Free Chlorine(mg/L)	0.20	1.00	<0.1	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	161.28	161.28	161.28
8	Total Alkalinity, (mg/L)	200.00	600.00	169.48	169.48	169.48
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.43	19.43	19.43
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 – I, ZONE – IX
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 17.01.2020

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	7.62	7.70	7.67	7.74
2	Temperature(degree C)	----	----	23.1	23.1	23.8	23.7
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	187.0	187.0	185.4	185.7
4	Turbidity, (NTU)	1.00	5.00	1.91	1.93	1.92	1.82
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	161.28	161.28	161.28	161.28
8	Total Alkalinity, (mg/L)	200.00	600.00	169.48	169.48	169.48	169.48
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	19.43	19.43	19.43	19.43
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
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: 28.01.2020

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	7.68	7.69	7.71	7.73	7.70	7.66
2	Temperature(degree C)	----	----	23.6	23.6	23.5	23.4	23.3	23.5
3	Total Dissolved Solid.	500.00	2000.00	183.2	183.6	184.5	184.3	183.9	184.3
4	Turbidity, (NTU)	1.00	5.00	1.84	1.81	1.91	1.84	1.75	1.87
5	Residual Free Chlorine	0.20	1.00	0.15	0.35	0.25	0.15	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	161.28	161.28	165.31	165.31	161.28	165.31
8	Total Alkalinity, (mg/L)	200.00	600.00	178.40	178.40	182.86	182.86	178.40	178.40

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: 28.01.2020

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	7.64	7.70	7.72	7.71	7.69	7.71
2	Temperature(degree C)	----	----	23.6	23.6	23.5	23.5	23.4	23.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	184.6	184.2	184.0	184.4	184.6	183.9
4	Turbidity (NTU)	1.00	5.00	1.96	1.83	1.89	1.95	1.89	2.01
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.45	0.15	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	165.31	161.28	161.28	165.31	165.31	161.28
8	Total Alkalinity. (mg/L)	200.00	600.00	178.40	178.40	178.40	182.86	182.86	178.40

O.H.R. – OVER HEAD RESERVOIR

Sd/-
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ACTION AREA – II
(JANUARY' 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: 02.01.2020

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	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	7.67	7.71	7.70	7.74	7.73	7.73	7.77
2	Temperature (degree C)	----	----	23.4	23.4	23.3	23.4	23.4	23.4	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.1	179.8	179.2	179.0	179.1	179.2	180.0
4	Turbidity (NTU)	1.00	5.00	2.44	2.50	2.27	2.13	2.02	2.31	2.73
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.15	0.1	0.1	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	165.98	165.98	165.98	165.98	165.98	165.98	165.98
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	144.20	144.20	144.20	144.20	144.20	144.20

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 D, ZONE – V

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

Date of Testing: 02.01.2020

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	7.70	7.81	7.69	7.76
2	Temperature (degree C)	----	----	23.4	23.3	23.3	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.3	179.1	180.1	179.7
4	Turbidity (NTU)	1.00	5.00	1.90	2.46	2.87	2.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.2	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	165.98	161.94	165.98	165.98
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	140.08	144.20	144.20

O.H.R. – OVER HEAD RESERVOIR,

Sd/-
Chemist
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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 – VI

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

Date of Testing: 02.01.2020

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 GREEN WOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.27	7.46	7.72	7.75
2	Temperature (degree C)	----	----	23.3	23.4	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.5	179.4	179.4	179.9
4	Turbidity (NTU)	1.00	5.00	2.63	2.56	1.82	1.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.55	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	165.98	161.94	161.94	165.98
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	140.08	140.08	144.20

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 D, ZONE – VI

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

Date of Testing: 02.01.2020

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 GREEN WOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.27	7.46	7.72	7.75
2	Temperature (degree C)	----	----	23.3	23.4	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.5	179.4	179.4	179.9
4	Turbidity (NTU)	1.00	5.00	2.63	2.56	1.82	1.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.55	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	165.98	161.94	161.94	165.98
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	140.08	140.08	144.20

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 – IIG, ZONE – XI

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

Date of Testing: 06.01.2020

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	7.71	7.65	7.75
2	Temperature (degree C)	----	----	23.5	23.4	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.6	180.2	179.1
4	Turbidity (NTU)	1.00	5.00	1.23	1.80	1.14
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.25	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	165.98	165.98	165.98
8	Total Alkalinity (mg/L)	200.00	600.00	152.44	156.56	152.44

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: 17.01.2020

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	7.64	7.72	7.77
2	Temperature (degree C)	----	----	23.5	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.2	184.5	184.6
4	Turbidity (NTU)	1.00	5.00	1.86	1.98	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	165.31	161.28	161.28
8	Total Alkalinity (mg/L)	200.00	600.00	169.48	169.48	169.48
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.43	19.43	19.43
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 C, ZONE - I
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 20.01.2020

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	7.46	7.66	7.71	7.72	7.73	7.74	7.74
2	Temperature (degree C)	----	----	23.3	23.2	23.2	23.3	23.5	23.5	23.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.6	183.7	183.9	183.9	183.7	183.4	183.7
4	Turbidity (NTU)	1.00	5.00	1.12	2.01	1.57	1.24	2.13	2.45	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.4	0.2	0.3	0.1	0.4	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	169.34	169.34	169.34	169.34	169.34	169.34	169.34
8	Total Alkalinity (mg/L)	200.00	600.00	173.94	173.94	178.40	178.40	173.94	173.94	178.40
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	19.43	19.43	19.43	19.43	19.43	19.43	19.43
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 – II D, ZONE – V
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 20.01.2020

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	7.76	7.80	7.73	7.67
2	Temperature (degree C)	----	----	23.2	23.3	23.2	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.4	184.0	183.9	184.4
4	Turbidity (NTU)	1.00	5.00	1.89	1.30	2.09	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	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	173.38	169.34	169.34	173.38
8	Total Alkalinity (mg/L)	200.00	600.00	178.40	173.94	173.94	178.40
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	19.43	19.43	19.43	19.43
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F

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

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

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

TEST REPORT: AA – II D, ZONE – VI
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 20.01.2020

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	7.74	7.76	7.73	7.71
2	Temperature (degree C)	----	----	23.4	23.3	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.7	183.6	183.4	183.3
4	Turbidity (NTU)	1.00	5.00	2.40	1.53	1.70	1.00
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	169.34	169.34	169.34	169.34
8	Total Alkalinity (mg/L)	200.00	600.00	173.94	173.94	173.94	173.94
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	19.43	19.43	19.43	19.43
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

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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 & Bacteriological)

Date of Testing: 22.01.2020

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	7.69	7.73	7.73
2	Temperature (degree C)	----	----	23.5	23.5	23.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.2	182.4	182.3
4	Turbidity (NTU)	1.00	5.00	1.98	1.39	1.67
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	161.28	161.28	161.28
8	Total Alkalinity (mg/L)	200.00	600.00	178.40	173.94	173.94
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	19.43	19.43	19.43
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F

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

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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: 22.01.2020

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	MALANCHHA	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	7.59	7.71	7.72	7.72	7.71	7.66	7.69
2	Temperature (degree C)	----	----	23.2	23.3	23.3	23.5	23.4	23.1	23.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.1	182.6	182.4	182.5	182.4	182.9	183.1
4	Turbidity (NTU)	1/1	5/10	1.52	1.45	1.58	1.68	1.80	1.26	2.01
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.25	0.1	0.1	0.1	<0.1	0.1
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	161.28	161.28	161.28	161.28	161.28	161.28	165.31
8	Total Alkalinity (mg/L)	200/200	600/600	178.40	173.94	173.94	173.94	173.94	178.40	178.40
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	19.43	19.43	19.43	19.43	19.43	19.43	19.43
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

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