

**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
DECEMBER' 2019**

ACTION AREA – I
(DECEMBER' 2019)

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

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 02.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				OUTLET OF O.H.R.	NBCC	CE/1/C/139	CE - 74	CE /1/A/97
A. Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.72	7.76	7.74	7.77
2	Temperature(degree C)	----	----	25.6	25.6	25.6	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.3	159.3	159.6	159.4	160.2
4	Turbidity (NTU)	1.00	5.00	0.85	1.29	1.00	1.02	1.13
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.2	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	143.81	143.81	143.81	143.81	147.81
8	Total Alkalinity (mg/L)	200.00	600.00	126.48	126.48	130.56	126.48	130.56
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	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

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

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

Date of Testing: 02.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - III					
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA 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	7.49	7.67	7.67	7.69	7.68	7.69
2	Temperature(degree C)	----	----	25.4	26.0	25.9	25.8	25.7	25.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	160.0	160.1	159.9	159.8	159.1	159.3
4	Turbidity, (NTU)	1.00	5.00	1.27	1.03	0.86	0.99	0.93	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.4	0.2	0.2	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	143.81	143.81	143.81	147.81	143.81	143.81
8	Total Alkalinity, (mg/L)	200.00	600.00	130.56	130.56	130.56	130.56	126.48	126.48
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	15.43	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
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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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: 05.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	Senior Citizen Park	BE - 17	BB - 50	BC - 105
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.79	7.84	7.81	7.81	7.79
2	Temperature(degree C)	----	----	23.9	23.9	23.9	24.0	23.9	23.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.7	161.6	161.2	162.2	161.8	161.2
4	Turbidity (NTU)	1.00	5.00	1.13	1.25	1.84	1.57	1.44	1.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	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	159.79	159.79	159.79	159.79	159.79	159.79
8	Total Alkalinity (mg/L)	200.00	600.00	134.64	134.64	130.56	130.56	134.64	130.56
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	17.36	17.36	17.36	17.36	17.36	17.36
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: 05.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				OUTLET OF O.H.R.	CC-201	CD-125	CB-08	CA-81
Physico - chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.77	7.78	7.81	7.83
2	Temperature(degree C)	----	----	23.9	24.1	23.9	23.7	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.8	162.4	160.8	163.5	161.7
4	Turbidity (NTU)	1.00	5.00	1.01	1.12	1.20	1.82	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.2	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	159.79	163.79	159.79	163.79	159.79
8	Total Alkalinity (mg/L)	200.00	600.00	134.64	138.72	130.56	138.72	134.64
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36	17.36	17.36
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 06.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AA - 03	AD - 26	AC - 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.70	7.65	7.67	7.66	7.67
2	Temperature(degree C)	----	----	24.4	24.6	24.4	24.3	24.2	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	163.2	163.8	164.7	163.5	164.1	163.7
4	Turbidity (NTU)	1.00	5.00	1.14	0.80	0.88	0.92	0.69	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.1	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	147.81	147.81	151.80	147.81	151.80	151.80
8	Total Alkalinity (mg/L)	200.00	600.00	142.80	142.80	146.88	142.80	146.88	142.80
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	15.43	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 06.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINOUS	BA-120	AB-13	AB - 72
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.78	7.72	7.72	7.70	7.71
2	Temperature(degree C)	----	----	24.5	24.3	24.3	24.1	24.4	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	163.4	162.9	163.7	162.8	163.2	162.9
4	Turbidity (NTU)	1.00	5.00	0.79	1.73	1.38	1.11	1.00	1.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.35	0.15	0.1	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	147.81	147.81	151.80	147.81	151.80	147.81
8	Total Alkalinity (mg/L)	200.00	600.00	142.80	142.80	146.88	142.80	142.80	142.80
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	15.43	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
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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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 & Bacteriological)

Date of Testing: 17.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC - 57	DF - 94	HIDCO Adm. Building	DA-88
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.66	7.72	7.73	7.67	7.71
2	Temperature(degree C)	----	----	24.2	24.4	24.2	23.9	23.8	23.8
3	Total Dissolved Solid.	500.00	2000.00	171.4	172.1	171.6	170.6	170.8	171.0
4	Turbidity, (NTU)	1.00	5.00	1.03	1.19	1.57	1.57	1.34	1.62
5	Residual Free Chlorine	0.20	1.00	0.1	0.4	0.15	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	143.42	143.42	143.42	139.44	139.44	143.42
8	Total Alkalinity, (mg/L)	200.00	600.00	144.20	148.32	144.20	144.20	144.20	144.20
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	15.43	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
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: 17.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DA-136	DC-23	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.77	7.72	7.73	7.71	7.74
2	Temperature(degree C)	----	----	23.9	23.8	23.9	23.7	23.9	23.9
3	Total Dissolved Solid.	500.00	2000.00	171.2	171.3	171.0	170.6	171.1	170.8
4	Turbidity. (NTU)	1.00	5.00	1.58	1.73	1.19	1.61	1.63	1.41
5	Residual Free Chlorine	0.20	1.00	0.75	0.35	0.15	0.1	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	143.42	143.42	143.42	139.44	143.42	143.42
8	Total Alkalinity. (mg/L)	200.00	600.00	148.32	148.32	144.20	144.20	148.32	144.20
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	15.43	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 18.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				ZONE - X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD 4D
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.77	7.77
2	Temperature(degree C)	----	----	23.3	23.1	23.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	170.8	170.5	170.6
4	Turbidity, (NTU)	1.00	5.00	1.70	1.38	1.17
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	143.42	143.42	143.42
8	Total Alkalinity, (mg/L)	200.00	600.00	144.20	144.20	144.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36
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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TEST REPORT: AA – I, ZONE – IX
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 18.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				INLET OF O.H.R.	OUTLET OF O.H.R.	Rishi Tower	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.66	7.71	7.75
2	Temperature(degree C)	----	----	23.5	23.4	23.5	23.6
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	171.7	170.7	170.8	170.8
4	Turbidity, (NTU)	1.00	5.00	1.03	1.04	1.10	1.53
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.35	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	147.41	143.42	143.42	143.42
8	Total Alkalinity, (mg/L)	200.00	600.00	148.32	144.20	144.20	144.20
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	17.36	17.36	17.36	17.36
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: ACTION AREA - I, ZONE – VI

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

Date of Testing: 19.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				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	7.68	7.73	7.76	7.76	7.74
2	Temperature(degree C)	----	----	23.3	23.5	23.4	23.4	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.6	171.4	171.1	171.3	170.8
4	Turbidity (NTU)	1.00	5.00	1.02	1.66	1.57	1.47	1.55
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.35	0.2	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	139.44	143.42	139.44	143.42	139.44
8	Total Alkalinity (mg/L)	200.00	600.00	148.32	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 – I, ZONE – III

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

Date of Testing: 19.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - III					
				INLET OF O.H.R.	OUTLET OF O.H.R	NKDA Office	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	7.60	7.69	7.69	7.70	7.70	7.71
2	Temperature(degree C)	----	----	23.3	23.3	23.2	23.2	23.4	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.6	170.9	171.2	170.9	171.5	171.0
4	Turbidity, (NTU)	1.00	5.00	1.09	1.19	1.76	0.85	1.37	1.40
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.45	0.15	0.15	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	139.44	139.44	139.44	139.44	139.44	139.44
8	Total Alkalinity, (mg/L)	200.00	600.00	144.20	144.20	144.20	144.20	144.20	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: ACTION AREA -I, ZONE - IV

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

Date of Testing: 20.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	BE - 17	Senior Citizen Park	BB - 50	BC - 105
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.70	7.72	7.73	7.74	7.74
2	Temperature(degree C)	----	----	23.5	23.5	23.6	23.4	23.5	23.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.4	173.5	173.2	173.3	173.3	173.3
4	Turbidity (NTU)	1.00	5.00	1.10	1.43	1.44	1.40	1.53	1.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.4	0.15	0.2	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	147.41	147.41	147.41	147.41	147.41	147.41
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	144.20	144.20	144.20	144.20	144.20

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
 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: 20.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CB-08	CA-81
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.75	7.77	7.82	7.82	7.84
2	Temperature(degree C)	----	----	23.4	23.4	23.4	23.5	23.5	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.8	173.5	173.5	172.8	173.3	172.7
4	Turbidity (NTU)	1.00	5.00	1.43	1.52	1.79	1.67	1.25	1.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.1	0.15	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	151.39	147.41	147.41	147.41	147.41	147.41
8	Total Alkalinity (mg/L)	200.00	600.00	148.32	148.32	148.32	144.20	148.32	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: ACTION AREA -I, ZONE - I

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

Date of Testing: 23.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 26	AC - 50	AC - 107	AA - 05
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.68	7.73	7.71	7.68	7.74	7.71
2	Temperature(degree C)	----	----	23.3	23.2	23.5	23.5	23.4	23.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.0	174.8	175.3	175.1	174.7	174.7
4	Turbidity (NTU)	1.00	5.00	1.36	1.52	1.13	1.40	1.62	1.44
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.15	0.2	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	151.39	151.39	155.38	151.39	151.39	151.39
8	Total Alkalinity (mg/L)	200.00	600.00	148.32	144.20	148.32	148.32	144.20	144.20

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: ACTION AREA - I, ZONE - II

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

Date of Testing: 23.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	New Town Bus Terminus	BA - 120	AB - 13	AB - 72
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.75	7.74	7.78	7.74	7.78
2	Temperature(degree C)	----	----	23.5	23.5	23.5	23.6	23.6	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.9	175.0	175.2	174.9	175.7	174.7
4	Turbidity (NTU)	1.00	5.00	1.03	1.35	0.98	1.24	1.29	1.33
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.4	0.2	0.15	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	155.38	151.39	155.38	151.39	155.38	151.39
8	Total Alkalinity (mg/L)	200.00	600.00	152.44	148.32	148.32	148.32	152.44	148.32

O.H.R. - OVER HEAD RESERVOIR,

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DI
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK I
NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 30.12.19

Sl.	Characteristic	Requirement	Permissible Limit	SOURCE (PHE SUPPLY)
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				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF - 94	HIDCO Admin. Building	DA - 88
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.78	7.82	7.85	7.74	7.81
2	Temperature(degree C)	----	----	23.4	23.5	23.4	23.6	23.5	23.7
3	Total Dissolved Solid.	500.00	2000.00	178.5	178.7	178.7	178.4	179.3	178.7
4	Turbidity, (NTU)	1.00	5.00	1.57	1.71	1.42	1.21	1.25	1.31
5	Residual Free Chlorine	0.20	1.00	0.25	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	155.38	155.38	159.36	155.38	159.36	159.36
8	Total Alkalinity, (mg/L)	200.00	600.00	152.44	152.44	152.44	152.44	156.56	156.56

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 - I. ZONE - VIII

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

Date of Testing: 30.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DA-136	DC-23	DB-222

A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.75	7.83	7.79	7.85	7.82
2	Temperature(degree C)	----	----	23.3	23.3	23.3	23.2	23.5	23.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	179.7	178.8	178.5	178.5	178.6	178.3
4	Turbidity (NTU)	1.00	5.00	1.37	1.77	1.70	1.82	1.32	1.03
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.55	0.4	0.2	0.1	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	159.36	155.38	155.38	155.38	155.38	155.38
8	Total Alkalinity. (mg/L)	200.00	600.00	156.56	156.56	152.44	152.44	156.56	152.44

O.H.R. - OVER HEAD RESERVOIR

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

ACTION AREA – II **(DECEMBER’ 2019)**

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

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 04.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	Aliah University
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.71	7.74
2	Temperature (degree C)	----	----	24.6	24.4	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	162.1	161.2	161.4
4	Turbidity (NTU)	1.00	5.00	1.63	1.18	1.41
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable

B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	147.81	147.81	147.81
8	Total Alkalinity (mg/L)	200.00	600.00	134.64	130.56	130.56
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36

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
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 - IIB, ZONE - IV

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

Date of Testing: 04.12.19

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
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	7.73	7.57	7.49	7.53	7.52	7.65	7.52
2	Temperature (degree C)	----	----	24.4	24.4	24.4	24.3	24.5	24.3	24.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	162.2	161.8	161.6	161.6	161.6	162.8	162.6
4	Turbidity (NTU)	1/1	5/10	1.56	1.46	1.57	1.79	1.69	1.61	1.23
	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	0.2	0.6	0.3	0.1	0.35	0.7
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	147.81	147.81	147.81	147.81	147.81	151.80	151.80
8	Total Alkalinity (mg/L)	200/200	600/600	134.64	130.56	130.56	130.56	130.56	134.64	134.64
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	17.36	17.36	17.36	17.36	17.36	17.36	17.36
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/-
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
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT
NEW TOWN, RAJARHAT, KOLKATA

TEST REPORT: AA – II C, ZONE - I

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

Date of Testing: 16.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	NKDA MKT	HILAND WOODS	MOON BEAM	
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.57	7.73	7.78	7.76	7.83	
2	Temperature (degree C)	----	----	23.7	23.7	23.7	23.9	23.7	23.6	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.3	170.2	170.4	169.6	169.7	169.5	
4	Turbidity (NTU)	1.00	5.00	1.39	1.31	1.35	1.38	1.32	1.34	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.45	0.15	0.35	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	143.42	147.41	147.41	147.41	147.41	147.41
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	148.32	148.32	148.32	148.32	144.20
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	15.43	15.43	15.43	15.43	15.43	15.43
C. Bacteriological Test Results:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	N.F	N.F	N.F	N.F	N.F	N.F
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

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
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: 16.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.81	7.53	7.62
2	Temperature (degree C)	----	----	24.1	24.1	24.0	24.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	171.8	168.4	169.4	169.5
4	Turbidity (NTU)	1.00	5.00	1.11	1.42	1.49	1.36
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.2	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	147.41	143.42	143.42	143.42
8	Total Alkalinity (mg/L)	200.00	600.00	148.32	144.20	144.20	144.20

9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.43	15.43	15.43	15.43
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: 16.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA - IID, ZONE - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.54	7.64	7.49
2	Temperature (degree C)	----	----	24.1	23.9	23.9	23.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.1	168.8	170.0	169.7
4	Turbidity (NTU)	1.00	5.00	0.94	1.56	1.39	1.32
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.7	0.65
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	143.42	139.44	147.41	143.42
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	144.20	148.32	148.32
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.43	15.43	15.43	15.43
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
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O.H.R. - OVER HEAD RESERVOIR, N.F. - NOT FOUND

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

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

TEST REPORT: AA - IIG, ZONE - XI

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

Date of Testing: 18.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA - IIG, ZONE - XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.71	7.71
2	Temperature (degree C)	----	----	23.4	23.6	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.7	170.9	171.5
4	Turbidity (NTU)	1.00	5.00	1.57	1.50	1.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	143.42	143.42	147.41
8	Total Alkalinity (mg/L)	200.00	600.00	144.20	144.20	148.32
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.36	17.36	17.36

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.

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

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

TEST REPORT: AA - II A, ZONE - X

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

Date of Testing: 27.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA - IIA, ZONE - X		
				INLET OF O.H.R	Sd/-	VERSITY
A. Physico-chemical Test Results:				Chemist & Bacteriologist Central Water Testing Laboratory NTKD - I P.H.E. Dte.		
1	pH Value.	6.5-8.5	6.5-8.5	7.60		0
2	Temperature (degree C)	----	----	23.3		3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.5	178.6	178.7
4	Turbidity (NTU)	1.00	5.00	1.55	1.07	0.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	155.38	155.38	155.38
8	Total Alkalinity (mg/L)	200.00	600.00	152.44	152.44	156.56

O.H.R. - OVER HEAD RESERVOIR

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: 27.12.19

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIB, ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.68	7.68	7.61	7.61	7.58	7.58	7.58
2	Temperature (degree C)	----	----	23.4	23.4	23.3	23.3	23.4	23.5	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	179.2	179.3	179.9	180.2	180.0	179.9	179.7
4	Turbidity (NTU)	1.00	5.00	0.82	1.08	1.10	1.09	1.33	1.27	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.25	0.65	0.45	0.5	0.6	0.9
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	155.38	155.38	155.38	159.36	155.38	155.38	155.38
8	Total Alkalinity (mg/L)	200.00	600.00	156.56	156.56	156.56	156.56	156.56	156.56	156.56

O.H.R. – OVER HEAD RESERVOIR ,

