

**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  
NOVEMBER' 2018**

**ACTION AREA – I**  
**(NOVEMBER' 2018)**

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: 12.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VI				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CE-104	CE-200	CE-74
<b>A. Physico - chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.61	7.66	7.68	7.71	7.76
2	Temperature(degree C)	----	----	25.6	25.7	25.5	26.0	26.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	167.2	167.8	167.8	167.5	166.8
4	Turbidity (NTU)	1/1	5/10	1.14	1.31	1.10	1.14	1.03
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.4	0.2	0.1	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	151.40	155.49	155.49	155.49	151.40
8	Total Alkalinity (mg/L)	200/200	600/600	128.80	133.40	133.40	133.40	128.80
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	15.54	17.48	17.48	15.54	15.54
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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

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

Date of Testing: 12.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - III				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AK-61	AK-36	AL/1/C/40
<b>A. Physico-chemical Test Results :</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.71	7.70	7.69	7.68	7.68
2	Temperature(degree C)	----	----	26.1	26.0	26.0	26.0	25.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	167.5	167.2	167.9	167.3	167.3
4	Turbidity, (NTU)	1/1	5/10	0.83	1.30	1.35	1.26	1.31
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.5	0.15	0.2	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>								
7	Total Hardness, (mg/L)	200/200	600/600	151.40	151.40	155.49	151.40	151.40
8	Total Alkalinity, (mg/L)	200/200	600/600	128.80	128.80	133.40	128.80	128.80
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	15.54	15.54	17.48	15.54	15.54
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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

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

Date of Testing: 14.11.18

Sl. No.	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF-94	DC-232
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.67	7.72	7.75	7.83	7.85
2	Temperature(degree C)	----	----	24.9	25.1	25.0	24.8	24.8
3	Total Dissolved Solid.	500/500	2000/2000	168.1	168.4	170.7	167.8	168.1
4	Turbidity, (NTU)	1/1	5/10	1.18	1.17	1.21	1.45	1.97
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.3	0.6	0.2	0.2	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness, (mg/L)	200/200	600/600	147.31	151.40	151.40	147.31	151.40
8	Total Alkalinity, (mg/L)	200/200	600/600	138	138	138	133.40	138
9	Iron(as Fe), (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride, (mg/L)	250/200	1000/1000	17.48	17.48	17.48	17.48	17.48
<b>C. Bacteriological Test Results:</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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

NF- 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 – I. ZONE – VIII**  
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological )

Date of Testing: 14.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VIII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-93	DB-222	DC-23
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.56	7.60	7.67	7.68	7.69
2	Temperature(degree C)	----	----	24.3	24.9	24.7	24.7	24.9
3	Total Dissolved Solid.	500/500	2000/2000	167.7	169.1	168.5	168.2	168.4
4	Turbidity. (NTU)	1/1	5/10	1.47	1.11	1.27	1.40	1.50
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.7	0.45	0.2	0.1	0.15
6	Odour	Agreeable/Agreeable	Agreeable/Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness. (mg/L)	200/200	600/600	147.31	151.40	151.40	151.40	151.40
8	Total Alkalinity. (mg/L)	200/200	600/600	133.40	138	138	138	133.40
9	Iron(as Fe). (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride. (mg/L)	250/200	1000/1000	15.54	17.48	17.48	17.48	17.48
<b>C. Bacteriological Test Results:</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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

NF- 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: ACTION AREA - I, ZONE – V

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

Date of Testing: 16.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - V				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-82	CA-32	CB-08
<b>A. Physico - chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.55	7.63	7.68	7.70	7.73
2	Temperature(degree C)	----	----	25.6	25.5	25.5	25.5	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	169.5	169.5	169.7	170.1	169.6
4	Turbidity (NTU)	1/1	5/10	1.17	1.48	1.41	1.62	1.59
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	0.15	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	147.31	151.40	151.40	151.40	151.40
8	Total Alkalinity (mg/L)	200/200	600/600	133.40	133.40	133.40	138	133.40
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	15.54	17.48	17.48	17.48	17.48
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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

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 - IV**

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

Date of Testing: 16.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - IV				
				INLET OF O.H.R.	OUTLET OF O.H.R.	BB-06	Swapno Bhor	BF-76
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.54	7.54	7.61	7.64	7.64
2	Temperature(degree C)	----	----	25.6	25.7	25.4	25.3	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	169.56	170.90	170.40	170.30	170.60
4	Turbidity (NTU)	1/1	5/10	1.39	1.58	1.31	1.59	1.60
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.45	0.5	0.2	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	151.40	147.31	151.40	151.40	151.40
8	Total Alkalinity (mg/L)	200/200	600/600	133.40	138	138	138	138
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	15.54	15.54	15.54	15.54	15.54
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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

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: 20.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALAMEENATION DJ/4/9	AIR FORCE DJ/6
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.52	7.55	7.60	7.63
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.8
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	171.5	172.3	172.1	172.0
4	Turbidity, (NTU)	1/1	5/10	1.92	1.57	1.32	1.46
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.4	0.2	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness, (mg/L)	200/200	600/600	155.49	155.49	155.49	151.40
8	Total Alkalinity, (mg/L)	200/200	600/600	138	138	138	138
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	17.48	17.48	17.48
<b>Bacteriological Test Results :</b>							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.

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

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: 20.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				ZONE - IX		
				INLET OF O.H.R.	OUTLET OF O.H.R.	Dawat Restaurant
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.56	7.61	7.63
2	Temperature(degree C)	----	----	26.6	26.6	26.6
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	172.3	172.1	172.5
4	Turbidity, (NTU)	1/1	5/10	1.96	1.48	1.78
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.25	0.4	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness, (mg/L)	200/200	600/600	155.49	151.40	155.49
8	Total Alkalinity, (mg/L)	200/200	600/600	138	133.40	138
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	15.54	17.48
<b>C.Bacteriological Test Results :</b>						
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.

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

Sd/-  
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 - I**

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

Date of Testing: 26.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - I				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 26	AD - 57	AA-03
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.36	7.50	7.57	7.61	7.61
2	Temperature(degree C)	----	----	25.3	25.3	25.4	25.2	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.1	173.6	173.4	173.0	173.2
4	Turbidity (NTU)	1/1	5/10	1.31	1.18	1.47	1.52	1.54
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.2	0.15	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	151.40	147.31	147.31	147.31	147.31
8	Total Alkalinity (mg/L)	200/200	600/600	147.20	142.60	142.60	142.60	142.60
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	15.54	15.54	15.54	15.54	15.54
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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 - II**

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

**Date of Testing: 26.11.18**

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - II				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AB-81	AE-109	AB-13
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.58	7.61	7.63	7.63	7.63
2	Temperature(degree C)	----	----	25.4	25.4	26.5	25.5	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	172.8	172.9	173.4	172.9	173.1
4	Turbidity (NTU)	1/1	5/10	1.26	1.51	1.50	1.28	1.52
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.4	0.15	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	147.31	147.31	151.40	147.31	151.40
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	142.60	147.20	142.60	147.20
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	15.54	15.54	17.48	17.48	17.48
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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

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

**ACTION AREA – II**  
**(NOVEMBER' 2018)**

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: 20.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE - XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.60	7.63	7.65
2	Temperature (degree C)	----	----	26.6	26.7	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	171.8	171.5	171.6
4	Turbidity (NTU)	1/1	5/10	2.13	1.64	1.85
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.3	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200/200	600/600	151.40	151.40	151.40
8	Total Alkalinity (mg/L)	200/200	600/600	138	133.40	133.40
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	17.48	17.48
<b>C. Bacteriological Test Results:</b>						
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.

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

Sd/-  
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 A, ZONE – X**

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

Date of Testing: 27.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.33	7.54	7.61
2	Temperature (degree C)	----	----	24.9	24.9	24.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	175.7	173.1	173.1
4	Turbidity (NTU)	1/1	5/10	3.56	1.72	1.56
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.8	0.5	0.4
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200/200	600/600	155.49	151.40	151.40
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	138	138
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	15.54	15.54
<b>C. Bacteriological Test Results :</b>						
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.

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

Sd/-  
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 B, ZONE – IV**

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

Date of Testing: 27.11.18

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
<b>A. Physico-chemical Test Results:</b>										
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.54	7.54	7.52	7.59	7.63	7.56	7.58
2	Temperature (degree C)	----	----	25.1	25.0	25.2	25.0	25.2	25.1	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	172.4	173.4	173.8	173.5	173.7	173.7	175.1
4	Turbidity (NTU)	1/1	5/10	2.00	1.52	1.74	2.26	2.13	1.60	1.71
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200/200	600/600	151.40	151.40	151.40	151.40	151.40	151.40	155.49
8	Total Alkalinity (mg/L)	200/200	600/600	138	138	138	138	138	138	142.6
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	15.54	15.54	15.54	15.54	15.54	15.54	17.48
<b>C. .Bacteriological Test Results :</b>										
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 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: 30.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)					
				AA – IIC, ZONE - I					
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.41	7.58	7.62	7.63	7.66	7.69
2	Temperature (degree C)	----	----	25.8	25.8	25.9	25.7	25.8	25.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.1	174.2	174.2	174.0	174.0	174.6
4	Turbidity (NTU)	1/1	5/10	1.37	1.59	1.58	1.56	1.74	1.84
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.35	0.3	0.15	0.25	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200/200	600/600	151.40	151.40	151.40	151.40	151.40	155.49
8	Total Alkalinity (mg/L)	200/200	600/600	133.40	133.40	133.40	133.40	133.40	138
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	17.48	17.48	17.48	17.48	17.48
<b>C. Bacteriological Test Results:</b>									
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

NF- 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: 30.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)					
				AA – IID, ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA	GREENWOOD SONATA	UJJALA
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.60	7.70	7.64	7.63	7.66	7.69
2	Temperature (degree C)	----	----	25.6	25.6	25.7	25.7	25.6	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.0	173.7	174.0	173.9	174.6	174.5
4	Turbidity (NTU)	1/1	5/10	1.52	1.79	1.92	1.98	1.86	1.77
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.4	0.35	0.2	0.3	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200/200	600/600	151.40	151.40	151.40	151.40	155.49	155.49
8	Total Alkalinity (mg/L)	200/200	600/600	138	138	138	138	142.60	138
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	15.54	15.54	15.54	17.48	17.48
<b>C. Bacteriological Test Results:</b>									
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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 – IID, ZONE – VI**  
**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)**

Date of Testing: 30.11.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.60	7.62	7.62	7.63
2	Temperature (degree C)	----	----	25.7	25.6	25.7	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.2	173.6	173.9	174.2
4	Turbidity (NTU)	1/1	5/10	1.37	1.58	1.66	1.50
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.3	0.25	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200/200	600/600	155.49	151.40	151.40	155.49
8	Total Alkalinity (mg/L)	200/200	600/600	142.60	138	138	142.60
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.48	15.54	17.48	17.48
<b>C. Bacteriological Test Results:</b>							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.

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

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