

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

**WATER QUALITY ANALYSIS REPORT AT DIFFERENT  
LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING  
MONTH  
MAY' 2018**

**ACTION AREA – I**  
**(MAY'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 - II**

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

Date of Testing: 02.05.18

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.	AE - 118	BA - 120	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	7.29	7.44	7.49	7.55	7.56
2	Temperature(degree C)	----	----	26.7	26.8	27.0	27.0	27.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.5	185.4	184.6	184.1	184.2
4	Conductivity (µS/cm)	----	----	369	371	369	368	368
5	Turbidity (NTU)	1/1	5/10	1.19	1.41	1.45	1.51	1.63
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	0.15	<0.01	0.1
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
8	Total Hardness (mg/L)	200/200	600/600	152.29	148.18	152.29	152.29	148.18
9	Total Alkalinity (mg/L)	200/200	600/600	146.30	142.12	142.12	146.30	146.30
10	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03
11	Fluoride, mg/L	1/1	1.5/1.5	0.236	0.233	0.233	0.235	0.234
12	Chloride (mg/L)	250/200	1000/1000	15.54	15.54	15.54	15.54	15.54
<b>C. Bacteriological Test Results:</b>								
13	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
14	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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

Sd/-  
Chemist & Bacteriologist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
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 & II

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

Date of Testing: 07.05.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)								
				ZONE - I				ZONE - II				
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AC - 107	INLET OF O.H.R.	OUTLET OF O.H.R.	NEW TOWN BUS TERMINUS	BD - 1	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	7.53	7.53	7.55	7.58	7.58	7.65	7.67	7.70	7.73
2	Temperature(degree C)	----	----	26.5	26.6	26.3	26.5	26.4	26.8	26.7	26.9	26.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184	183.5	184	183.5	184	182.5	184.5	182.5	182
4	Turbidity (NTU)	1/1	5/10	1.14	1.26	1.49	1.49	1.52	1.60	1.60	1.21	1.56
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.43	0.14	0.29	0.29	0.43	0.43	0.57	0.43	0.57
6	Odour	Agreeable/ Agreeable	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	146.58	146.58	146.58	142.39	142.39	138.20	142.39	138.20	138.20
8	Total Alkalinity (mg/L)	200/200	600/600	131.84	131.84	135.96	131.84	135.96	131.84	135.96	135.96	135.96

O.H.R. – OVER HEAD RESERVOIR

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.

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

**TEST REPORT: ACTION AREA - I, ZONE – VI**

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

Date of Testing: 08.05.18

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/1/B/107	CE /1/C/139	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	7.55	7.61	7.57	7.55	7.61
2	Temperature(degree C)	----	----	28.9	28.6	28.6	29.2	28.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.5	181.9	182.5	182.4	182.2
4	Turbidity (NTU)	1/1	5/10	1.28	1.33	1.38	1.39	1.48
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.3	0.1	0.1	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	144.06	139.94	139.94	139.94	139.94
8	Total Alkalinity (mg/L)	200/200	600/600	129.58	125.40	125.40	129.58	129.58

O.H.R. – OVER HEAD RESERVOIR,

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 08.05.18

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.	NKDA	NBCC	AI153/18
<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	7.39	7.47	7.51	7.56
2	Temperature(degree C)	----	----	27.9	28.3	28.0	28.7	28.6
3	Total Dissolved Solid.	500/500	2000/2000	181.6	184.0	182.9	183.7	186.7
4	Turbidity, (NTU)	1/1	5/10	1.24	1.42	1.32	1.21	0.74
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.5	0.4	0.3	0.1	0.3
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	144.06	139.94	139.94	144.06	139.94
8	Total Alkalinity, (mg/L)	200/200	600/600	133.76	129.58	133.76	129.58	129.58

O.H.R. – OVER HEAD RESERVOIR

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: ACTION AREA - I, ZONE – V**

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

**Date of Testing: 10.05.18**

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-239	CB-85	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	7.29	7.43	7.48	7.49	7.54
2	Temperature(degree C)	----	----	26.5	25.7	25.8	26.8	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.1	181.6	181.9	182.5	181.8
4	Conductivity (µS/cm)	----	----	364	363	364	365	364
5	Turbidity (NTU)	1/1	5/10	1.37	1.96	2.20	1.36	1.96
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.2	0.1	0.1	0.2
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
8	Total Hardness (mg/L)	200/200	600/600	144.06	144.06	148.17	144.06	148.17
9	Total Alkalinity (mg/L)	200/200	600/600	137.94	137.94	142.12	146.30	150.48

O.H.R. - OVER HEAD RESERVOIR,

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.

GOVERNMENT OF WEST BENGAL  
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: ACTION AREA -I, ZONE - IV**

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

**Date of Testing: 10.05.18**

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.	BF-33	BB-107	BB - 50
<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	7.57	7.60	7.61	7.64
2	Temperature(degree C)	----	----	26.5	26.6	26.5	26.9	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.8	181.1	181.4	181.8	180.4
4	Conductivity (µS/cm)	----	----	362	362	363	364	361
5	Turbidity (NTU)	1/1	5/10	1.38	1.30	1.34	1.31	1.65
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.6	0.3	0.1	0.1	0.1
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
8	Total Hardness (mg/L)	200/200	600/600	139.94	144.06	148.18	148.18	144.06
9	Total Alkalinity (mg/L)	200/200	600/600	142.12	142.12	137.94	146.30	142.12

O.H.R. - OVER HEAD RESERVOIR,

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.



GOVERNMENT OF WEST BENGAL  
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

**TEST REPORT: ACTION AREA -I, ZONE - VIII**

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

**Date of Testing: 16.05.18**

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.	DB-100	DA-89	DC-27
<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	7.5	7.7	7.7	7.8	7.7
2	Temperature(degree C)	----	----	29.9	29.8	30.1	32.1	29.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.5	181.2	185.7	185.1	182.5
4	Conductivity (µS/cm)	----	----	365	362	371	370	365
5	Turbidity (NTU)	1/1	5/10	1.40	1.25	1.31	1.37	1.16
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.8	0.25	0.15	0.1	0.1
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
8	Total Hardness (mg/L)	200/200	600/600	144.06	139.94	144.06	139.94	139.94
9	Total Alkalinity (mg/L)	200/200	600/600	137.94	133.76	133.76	137.94	137.94

O.H.R. – OVER HEAD RESERVOIR

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
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 & VII**  
**Sub. : Water Testing (Physico-chemical, Chemical)**

Date of Testing: 18.05.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)								
				ZONE - X				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	CHITTARA NJAN INSTITUTE	AIR FORCE NAVSL (DJ/6)	INLET OF O.H.R.	OUTLET OF O.H.R.	DC - 159	DF - 94	HIDCO ADMIN. BUILDING
<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	7.16	7.28	7.40	7.45	7.55	7.56	7.57	7.58	7.58
2	Temperature(degree C)	----	----	28.0	27.3	27.3	27.4	27.4	27.6	27.4	27.6	27.4
3	Total Dissolved Solid.	500/500	2000/2000	175.0	175.9	175.8	175.8	174.0	174.6	173.7	173.9	174.9
4	Conductivity,(µS/cm)	----	----	350	352	352	352	348	349	347	348	350
5	Turbidity, (NTU)	1/1	5/10	1.63	1.92	1.85	1.35	1.29	1.43	1.24	1.21	2.02
6	Residual Free Chlorine	0.2/0.2	0.2/>1.0	BDL	0.1	0.1	BDL	0.2	0.1	0.1	BDL	<0.1
7	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>												
8	Total Hardness, (mg/L)	200/200	600/600	139.94	135.82	135.82	139.94	139.94	135.82	135.82	139.94	139.94
9	Total Alkalinity, (mg/L)	200/200	600/600	129.58	125.40	125.40	129.58	129.58	125.40	125.40	129.58	129.58

**O.H.R. – OVER HEAD RESERVOIR**

Sd/-  
**Chemist**  
 NTKD - I P.H.E. Dte.

Sd/-  
**Junior Engineer**  
 NTKD - I P.H.E. Dte.

Sd/-  
**Assistant Engineer**  
 NTKD - I P.H.E. Dte.

Sd/-  
**Executive Engineer**  
 NTKD - I P.H.E. Dte.

**GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF PUBLIC HEALTH ENGINEERING  
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156**

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

Date of Testing: 18.05.18

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	7.47	7.50	7.54
2	Temperature(degree C)	----	----	27.3	27.5	27.4
3	Total Dissolved Solid.	500/500	2000/2000	175.1	174.4	175.0
4	Conductivity,(µS/cm)	----	----	350	349	350
5	Turbidity, (NTU)	1/1	5/10	1.84	1.83	1.65
6	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.3	0.3	0.2
7	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
8	Total Hardness, (mg/L)	200/200	600/600	139.94	135.82	139.94
9	Total Alkalinity, (mg/L)	200/200	600/600	129.58	125.40	129.58

, O.H.R. - OVER HEAD RESERVOIR

**Chemist  
NTKD - I P.H.E. Dte.**

**Junior Engineer  
NTKD - I P.H.E. Dte.**

**Assistant Engineer  
NTKD - I P.H.E. Dte.**

**Executive Engineer  
NTKD - I P.H.E. Dte.**

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

**TEST REPORT: ACTION AREA -I, ZONE - I**

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

Date of Testing: 28.05.18

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.	AA - 03	AD - 26
<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	7.08	7.25	7.35	7.44
2	Temperature(degree C)	----	----	31.2	31.3	31.7	31.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	174.5	174	175	174
4	Turbidity (NTU)	1/1	5/10	1.27	1.17	1.31	1.39
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.3	0.25	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	138.72	138.72	138.72	138.72
8	Total Alkalinity (mg/L)	200/200	600/600	120.64	116.48	116.48	112.32
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03
10	Fluoride, mg/L	1/1	1.5/1.5	0.291	0.283	0.289	0.284
11	Chloride (mg/L)	250/200	1000/1000	21.21	21.21	21.21	19.28
<b>C. Bacteriological Test Results:</b>							
12	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F
13	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F	N.F	N.F	N.F

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

Sd/-  
Chemist & Bacteriologist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
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: 28.05.18

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 - 90	AD - 1	AB - 13	AB - 94
<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	7.57	7.62	7.66	7.66	7.68
2	Temperature(degree C)	----	----	31.1	31.6	31.1	31.3	31.1	32.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	173	172.5	173.5	174	173	172.5
4	Turbidity (NTU)	1/1	5/10	1.24	1.29	1.63	1.24	1.37	1.06
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.15	0.1	0.1	0.1	0.15
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	134.64	136.64	136.64	138.72	130.56	130.56
8	Total Alkalinity (mg/L)	200/200	600/600	112.32	116.4	120.64	116.4	112.32	112.32
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
10	Fluoride, mg/L	1/1	1.5/1.5	0.288	0.286	0.281	0.281	0.278	0.281
11	Chloride (mg/L)	250/200	1000/1000	19.28	21.21	21.21	19.28	19.28	19.28
<b>C. Bacteriological Test Results:</b>									
12	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
13	Fecal Coliform (CFU/100 ml)	Absent/Absent	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  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.

**ACTION AREA – II**  
**(MAY' 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: 04.05.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)	
				AA – IIG, ZONE - XI	
				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	7.66	7.74
2	Temperature (degree C)	----	----	27.7	27.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	194.9	184.9
4	Conductivity (µS/cm)	----	----	390	370
5	Turbidity (NTU)	1/1	5/10	2.21	1.69
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	<0.01
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>					
8	Total Hardness (mg/L)	200/200	600/600	148.18	144.06
9	Total Alkalinity (mg/L)	200/200	600/600	146.30	142.12
10	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.03	<0.03
11	Fluoride (mg/L)	1/1	1.5/1.5	0.238	0.236
12	Chloride (mg/L)	250/200	1000/1000	19.43	19.43
<b>C. Bacteriological Test Results:</b>					
13	Total Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.
14	Fecal Coliform (CFU)	Absent/Absent	Absent/Absent	N.F.	N.F.

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

Sd/-  
Chemist & Bacteriologist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.

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

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

Date of Testing: 21.05.18

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	7.42	7.44	7.47
2	Temperature (degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	170.2	170.7	170.6
4	Conductivity (µS/cm)	----	----	340	341	341
5	Turbidity (NTU)	1/1	5/10	1.86	1.73	1.51
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.05	0.3	0.2
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
8	Total Hardness (mg/L)	200/200	600/600	152.29	148.17	148.17
9	Total Alkalinity (mg/L)	200/200	600/600	129.58	125.40	125.40

, O.H.R. – OVER HEAD RESERVOIR

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.



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

**TEST REPORT: AA – II B, ZONE – IV**  
**Sub. : Water Testing (Physico-chemical & Chemical)**

Date of Testing: 21.05.18

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 MKT.	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	7.08	7.15	7.24	7.32	7.35	7.38	7.40
2	Temperature (degree C)	----	----	27.0	27.3	27.0	26.9	26.9	26.7	26.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	172.2	172.7	172.0	171.3	171.0	170.9	170.9
4	Conductivity (µS/cm)	----	----	344	345	344	343	342	342	342
5	Turbidity (NTU)	1/1	5/10	1.51	1.93	1.59	1.75	1.53	1.52	1.59
6	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.55	0.50	0.45	0.50	0.40	0.45
7	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
8	Total Hardness (mg/L)	200/200	600/600	152.92	144.06	144.06	144.06	152.92	152.92	144.06
9	Total Alkalinity (mg/L)	200/200	600/600	133.76	129.58	133.76	133.76	129.58	129.58	129.58

O.H.R. – OVER HEAD RESERVOIR

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
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 G, ZONE – XI**  
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 31.05.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)			
				AA – IIG, ZONE - XI			
				OUTLET OF O.H.R	DLF	TCS	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	7.91	7.93	7.94	7.98
2	Temperature (degree C)	----	----	27.9	28.6	28.3	28.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	172.8	172.8	172.2	172.3
4	Turbidity (NTU)	1/1	5/10	1.68	2.15	4.70	1.69
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.3	0.2	0.25
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	146.30	146.30	146.30	146.30
8	Total Alkalinity (mg/L)	200/200	600/600	127.72	127.72	127.72	127.72

O.H.R. – OVER HEAD RESERVOIR

Sd/-  
Chemist  
NTKD - I P.H.E. Dte.

Sd/-  
Junior Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Assistant Engineer  
NTKD - I P.H.E. Dte.

Sd/-  
Executive Engineer  
NTKD - I P.H.E. Dte.