

**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
SEPTEMBER' 2018**

ACTION AREA – I
(SEPTEMBER' 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 – V

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

Date of Testing: 12.09.18

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	CB-69
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	7.13	7.44	7.49	7.51
2	Temperature(degree C)	----	----	25.8	25.9	26.0	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.4	134.8	134.5	134.8
4	Turbidity (NTU)	1/1	5/10	1.94	1.82	2.02	1.86
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	0.4	0.3	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	113.46	109.40	109.40	109.40
8	Total Alkalinity (mg/L)	200/200	600/600	101.64	97.02	101.64	97.02
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	13.00	13.00	13.00	13.00
C. Bacteriological Test Results :							
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.

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 12.09.18

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-101
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	7.38	7.47	7.54	7.63
2	Temperature(degree C)	----	----	26.0	26.1	26.2	26.0
3	Total Dissolved Solid.	500/500	2000/2000	134.2	134.1	134.3	133.9
4	Turbidity, (NTU)	1/1	5/10	2.96	1.70	1.82	1.73
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.5	0.4	0.2	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	113.46	109.40	113.46	109.40
8	Total Alkalinity, (mg/L)	200/200	600/600	101.64	97.02	101.64	97.02
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	13.00	13.00	13.00	13.00
C. Bacteriological Test Results:							
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.

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 13.09.18

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.	NBCC	CE-104	CE-200
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	7.25	7.37	7.42	7.43	7.51
2	Temperature(degree C)	----	----	24.8	26.0	25.8	25.8	25.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.4	133.8	134.5	133.6	133.0
4	Turbidity (NTU)	1/1	5/10	1.79	2.01	2.05	1.92	2.03
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	0.5	0.2	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	113.46	109.40	113.46	109.40	109.40
8	Total Alkalinity (mg/L)	200/200	600/600	97.02	97.02	97.02	92.40	92.40
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	14.86	14.86	14.86	14.86	14.86
C. Bacteriological Test Results:								
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,

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 13.09.18

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.	AI-10	AL/1/C/4	AI/136
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	7.33	7.41	7.44	7.50	7.49
2	Temperature(degree C)	----	----	25.7	25.8	25.8	25.7	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.4	133.3	134.3	133.3	133.9
4	Turbidity, (NTU)	1/1	5/10	1.50	1.74	2.01	2.07	1.90
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.7	0.6	0.2	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :								
7	Total Hardness, (mg/L)	200/200	600/600	113.46	109.40	113.46	109.40	113.46
8	Total Alkalinity, (mg/L)	200/200	600/600	101.64	97.02	101.64	97.02	101.64
10	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
11	Chloride (mg/L)	250/200	1000/1000	14.86	14.86	14.86	14.86	14.86
C. Bacteriological Test Results :								
12	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	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.

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 18.09.18

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.	CHITTARANJAN CANCER INSTITUTE	ALAMEENATION DJ/4/9	AIR FORCE DJ/6
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	7.40	7.43	7.43	7.47	7.55
2	Temperature(degree C)	----	----	26.6	26.6	26.5	26.3	26.2
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	133.6	133.1	133.6	134.1	134.3
4	Turbidity, (NTU)	1/1	5/10	1.28	2.03	2.04	2.01	1.63
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.2	0.4	0.2	0.15	0.2
6	Odour	Agreeable/Agreeable	Agreeable/Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200/200	600/600	119.17	115.06	115.06	119.17	119.17
8	Total Alkalinity, (mg/L)	200/200	600/600	100.76	96.18	96.18	100.76	100.76
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	15.08	15.08	15.08	15.08	15.08
Bacteriological Test Results :								
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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 18.09.18

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
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	7.36	7.37	7.36
2	Temperature(degree C)	----	----	26.2	26.3	26.0
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	132.7	132.9	133.1
4	Turbidity, (NTU)	1/1	5/10	1.94	1.77	1.54
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.3	0.5	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200/200	600/600	115.06	115.06	119.17
8	Total Alkalinity, (mg/L)	200/200	600/600	96.18	96.18	100.76
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	15.08	15.08	15.08
C. Bacteriological Test Results :						
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

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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: 19.09.18

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 - 61	AD - 1	AA-73
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	7.27	7.33	7.41	7.42	7.36
2	Temperature(degree C)	----	----	26.9	27.0	26.9	27.0	26.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	132.8	133.4	134.0	133.5	134.5
4	Turbidity (NTU)	1/1	5/10	1.80	1.78	2.01	1.70	1.50
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.45	0.2	0.15	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	115.06	110.95	110.95	110.95	115.06
8	Total Alkalinity (mg/L)	200/200	600/600	91.60	91.60	96.18	96.18	96.18
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	13.20	13.20	13.20	13.20	13.20
C. Bacteriological Test Results :								
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

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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: 19.09.18

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-28	AE-62	AB-13
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	7.36	7.39	7.50	7.46	7.53
2	Temperature(degree C)	----	----	26.7	26.6	27.0	27.0	27.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.0	133.4	135.0	133.7	133.9
4	Turbidity (NTU)	1/1	5/10	1.92	2.01	1.59	1.69	1.61
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.5	0.2	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	110.95	110.95	115.06	110.95	110.95
8	Total Alkalinity (mg/L)	200/200	600/600	92.40	97.02	97.02	92.40	97.02
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	13.20	13.20	13.20	13.20	13.20
C. Bacteriological Test Results :								
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

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TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 20.09.18

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-107	BC-129	BB-50
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	7.25	7.37	7.46	7.48	7.53
2	Temperature(degree C)	----	----	25.8	25.9	25.8	25.7	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	131.9	132.9	133.0	132.3	133.2
4	Turbidity (NTU)	1/1	5/10	1.61	1.77	1.53	1.76	1.61
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	0.55	0.2	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	115.06	115.06	115.06	110.95	115.06
8	Total Alkalinity (mg/L)	200/200	600/600	96.18	96.18	100.76	96.18	100.76
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	15.08	15.08	15.08	15.08	15.08
C. Bacteriological Test Results :								
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/-
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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 – VII
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 20.09.18

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.	DF-94	DF-16
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	7.39	7.57	7.58	7.56
2	Temperature(degree C)	----	----	25.9	25.8	25.9	25.9
3	Total Dissolved Solid.	500/500	2000/2000	131.9	132.4	133.6	134.1
4	Turbidity, (NTU)	1/1	5/10	1.70	1.73	2.02	1.70
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.45	0.25	0.1	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	115.06	115.06	119.17	119.17
8	Total Alkalinity, (mg/L)	200/200	600/600	96.18	96.18	100.76	100.76
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	13.20	13.20	15.08	15.08
C. Bacteriological Test Results:							
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.

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

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

ACTION AREA – II
(SEPTEMBER' 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 – II A, ZONE – X

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

Date of Testing: 06.09.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)		
				AA – II A, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
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	7.35	7.40	7.43
2	Temperature (degree C)	----	----	25.8	25.8	25.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	135.2	135.6	136.1
4	Turbidity (NTU)	1/1	5/10	1.76	1.40	1.48
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.4	0.4
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	109.40	109.40	113.46
8	Total Alkalinity (mg/L)	200/200	600/600	97.02	97.02	101.64

O.H.R. – OVER HEAD RESERVOIR

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

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

TEST REPORT: AA – II B, ZONE – IV

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

Date of Testing: 06.09.18

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
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	7.34	7.33	7.33	7.39	7.41	7.33	7.34
2	Temperature (degree C)	----	----	25.7	25.6	25.7	25.6	25.5	25.7	26.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	134.3	135.3	137.1	136.7	136.7	137.6	136.4
4	Turbidity (NTU)	1/1	5/10	1.57	1.42	1.51	1.52	2.17	1.80	1.29
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.7	0.5	0.6	0.5	0.65	0.6
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	110.16	110.16	110.16	114.24	110.16	114.24	114.24
8	Total Alkalinity (mg/L)	200/200	600/600	93.72	89.46	93.72	93.72	89.46	93.72	89.46

O.H.R. – OVER HEAD RESERVOIR

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

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 06.09.18

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
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	7.34	7.40	7.47
2	Temperature (degree C)	----	----	25.9	25.8	25.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	136.7	135.9	135.0
4	Turbidity (NTU)	1/1	5/10	1.67	1.64	1.62
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.6	0.4	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	113.46	109.40	109.40
8	Total Alkalinity (mg/L)	200/200	600/600	97.02	97.02	92.40

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

Date of Testing: 11.09.18

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.	GREENWOOD SHRACHI	GREEN FIELD AMBITION
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	7.30	7.43	7.45	7.45
2	Temperature (degree C)	----	----	26.1	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	134.7	135.1	135.3	135.1
4	Turbidity (NTU)	1/1	5/10	2.09	1.57	1.50	1.60
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	1.5	0.3	0.25	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	109.40	105.35	105.35	109.40
8	Total Alkalinity (mg/L)	200/200	600/600	101.64	97.02	101.64	101.64

O.H.R. – OVER HEAD RESERVOIR,

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

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 25.09.18

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
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	7.33	7.36	7.37
2	Temperature (degree C)	----	----	26.8	26.7	26.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	134.2	134.4	134.5
4	Turbidity (NTU)	1/1	5/10	1.60	1.40	1.33
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.3	0.25
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	115.06	115.06	115.06
8	Total Alkalinity (mg/L)	200/200	600/600	105.34	105.34	105.34
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	13.20	13.20	13.20
C. Bacteriological Test Results :						
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

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

TEST REPORT: AA – IIB, ZONE – IV

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

Date of Testing: 25.09.18

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	ANAHTA	MALANCHA	NKDA MKT.	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	7.23	7.24	7.21	7.24	7.23	7.24	7.21
2	Temperature (degree C)	----	----	26.8	26.8	27.0	26.9	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.9	134.8	136.1	134.9	134.8	135.3	136.2
4	Turbidity (NTU)	1/1	5/10	1.78	2.30	2.25	2.37	2.05	2.04	2.32
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.2	0.1	0.4	0.25	0.3	0.2
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	115.06	115.06	119.17	115.06	115.06	119.17	119.17
8	Total Alkalinity (mg/L)	200/200	600/600	105.34	105.34	109.92	105.34	105.34	109.92	109.92
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	13.20	13.20	15.08	13.20	13.20	15.08	15.08
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 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: 27.09.18

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
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	7.19	7.32	7.39	7.40	7.47	7.46
2	Temperature (degree C)	----	----	25.7	25.6	25.5	25.5	25.4	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	134.3	133.5	133.5	133.4	132.9	133.0
4	Turbidity (NTU)	1/1	5/10	2.47	1.77	2.49	1.83	2.10	1.71
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.15	0.1	0.1	<0.01	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200/200	600/600	119.50	115.38	115.38	115.38	115.38	115.38
8	Total Alkalinity (mg/L)	200/200	600/600	109.92	109.92	109.92	105.34	105.34	105.34
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	15.09	15.09	15.09	15.09	15.09	15.09
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.
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
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NTKD - I P.H.E. Dte.

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

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

Date of Testing: 27.09.18

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
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	7.37	7.39	7.41	7.43
2	Temperature (degree C)	----	----	25.7	25.4	25.4	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	132.8	133.4	134.1	133.4
4	Turbidity (NTU)	1/1	5/10	1.83	1.85	2.11	2.27
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	0.2	0.15	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	115.38	115.38	119.50	115.38
8	Total Alkalinity (mg/L)	200/200	600/600	105.34	105.34	109.92	109.92
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	15.09	15.09	15.09	15.09
C. Bacteriological Test Results:							
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.