

**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
MARCH' 2019**

ACTION AREA – I
(MARCH' 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 - I

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

Date of Testing: 01.03.19

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-18	AD-27	AA-03
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	7.48	7.55	7.61	7.65	7.67
2	Temperature(degree C)	----	----	23.2	23.5	23.6	23.5	23.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.9	182.9	183.3	183.6	182.4
4	Turbidity (NTU)	1/1	5/10	1.00	0.93	1.05	1.00	0.86
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.3	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	167.44	167.44	167.44	167.44	167.44
8	Total Alkalinity (mg/L)	200/200	600/600	128.40	128.40	132.68	132.68	132.68

O.H.R. – OVER HEAD RESERVOIR,

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

GOVERNMENT OF WEST BENGAL
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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 - II

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

Date of Testing: 01.03.19

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.	NEWTOWN BUS TERMINUS	AB-90	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	7.62	7.66	7.70	7.76	7.76
2	Temperature(degree C)	----	----	23.3	23.6	23.7	23.6	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.1	183.0	182.9	182.3	182.4
4	Turbidity (NTU)	1/1	5/10	0.71	1.45	0.67	0.80	0.85
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.35	0.15	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	167.44	167.44	167.44	167.44	167.44
8	Total Alkalinity (mg/L)	200/200	600/600	128.40	132.68	132.68	128.40	132.68

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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 – X

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

Date of Testing: 06.03.19

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.	AL-AMEENATION (DJ/4/9)	AIR FORCE Navsl
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	7.57	7.68	7.74	7.71
2	Temperature(degree C)	----	----	25.4	25.7	25.6	25.5
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	180.1	180.5	180.7	180.4
4	Turbidity, (NTU)	1/1	5/10	1.76	1.65	1.23	1.23
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.1	0.2	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	167.44	167.44	167.44	172.09
8	Total Alkalinity, (mg/L)	200/200	600/600	128.40	132.68	132.68	132.68

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)

Date of Testing: 06.03.19

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	TATA MEDICAL CENTRE
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	7.57	7.63	7.65	7.67
2	Temperature(degree C)	----	----	25.6	25.6	25.3	25.3
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	180.4	180.3	180.0	179.8
4	Turbidity, (NTU)	1/1	5/10	1.44	1.64	1.63	1.42
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.2	0.3	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	167.44	167.44	167.44	167.44
8	Total Alkalinity, (mg/L)	200/200	600/600	128.40	128.40	128.40	128.40

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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: 07.03.19

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-93	BE-17	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	7.34	7.51	7.56	7.60	7.63
2	Temperature(degree C)	----	----	25.6	25.4	25.7	25.7	25.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.8	181.0	182.0	181.1	180.9
4	Turbidity (NTU)	1/1	5/10	1.35	1.68	1.20	1.50	1.38
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.5	0.35	0.15	0.1	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	162.79	162.79	167.44	162.79	162.79
8	Total Alkalinity (mg/L)	200/200	600/600	132.68	132.68	136.96	136.96	136.96

O.H.R. - OVER HEAD RESERVOIR

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 11.03.19

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-26	AA-05	AC-107
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	7.49	7.53	7.60	7.62	7.60
2	Temperature(degree C)	----	----	26.1	26.4	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.9	179.6	179.4	179.4	179.5
4	Turbidity (NTU)	1/1	5/10	1.56	1.62	1.41	1.48	1.52
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	0.45	0.2	0.1	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	167.44	167.44	167.44	167.44	167.44
8	Total Alkalinity (mg/L)	200/200	600/600	119.84	124.12	124.12	124.12	124.12
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	19.00	20.90	20.90	20.90
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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 11.03.19

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.	AD-1	BA-120	AE-52
A. Physico-chemical Test Results:								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.59	7.63	7.64	7.66	7.67
2	Temperature(degree C)	----	----	26.5	26.3	26.4	26.4	26.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.3	179.0	179.4	181.0	178.7
4	Turbidity (NTU)	1/1	5/10	1.34	1.47	1.46	1.83	1.75
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.35	0.4	0.15	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	167.44	167.44	167.44	172.09	167.44
8	Total Alkalinity (mg/L)	200/200	600/600	119.84	119.84	119.84	124.12	119.84
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	19.00	20.90	20.90	20.90
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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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: 15.03.19

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.	Senior Citizen Park	BF-77	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	7.41	7.58	7.62	7.65	7.72
2	Temperature(degree C)	----	----	26.4	26.5	26.2	26.5	26.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.0	178.9	179.6	179.7	179.4
4	Turbidity (NTU)	1/1	5/10	1.89	2.01	1.85	1.87	2.01
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	0.15	0.1	0.1	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	162.79	162.79	167.44	167.44	167.44
8	Total Alkalinity (mg/L)	200/200	600/600	124.12	124.12	124.12	128.40	128.40
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	20.90
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/-
Chemist & Bacteriologist
Central Water Testing Laboratory
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 – V

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

Date of Testing: 15.03.19

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-28	CA-221	CB-08
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	7.43	7.56	7.61	7.73	7.75
2	Temperature(degree C)	----	----	26.3	26.5	26.4	26.4	26.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.6	178.5	178.8	178.5	178.4
4	Turbidity (NTU)	1/1	5/10	1.70	2.08	2.02	2.08	2.04
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	0.45	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	157.75	157.75	157.75	157.75	157.75
8	Total Alkalinity (mg/L)	200/200	600/600	128.40	132.68	132.68	128.40	128.40
9	Iron(as Fe), mg/L	1.0 /0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	20.90
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: AA – I, ZONE – VII

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

Date of Testing: 18.03.19

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	DE-156
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	7.64	7.73	7.85	7.88	7.91
2	Temperature(degree C)	----	----	26.2	26.8	26.6	26.5	26.7
3	Total Dissolved Solid.	500/500	2000/2000	175.8	175.6	176.9	176.6	175.4
4	Turbidity, (NTU)	1/1	5/10	2.66	1.74	2.00	1.84	1.98
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	<0.1	0.15	0.15	0.1	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200/200	600/600	144	140	144	144	140
8	Total Alkalinity, (mg/L)	200/200	600/600	128.76	128.76	133.2	133.2	128.76
9	Iron(as Fe), (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride, (mg/L)	250/200	1000/1000	19.00	19.00	20.90	20.90	19.00
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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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: 18.03.19

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-30	DA-94	DC-27
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	7.78	7.81	7.81	7.83	7.84
2	Temperature(degree C)	----	----	26.8	26.7	26.8	27.0	26.9
3	Total Dissolved Solid.	500/500	2000/2000	176.0	175.5	177.7	175.4	175.9
4	Turbidity. (NTU)	1/1	5/10	1.54	1.81	1.80	1.82	2.08
5	Residual Free Chlorine	0.2/0.2	0.2/1.0	0.5	0.3	0.2	0.2	0.1
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness. (mg/L)	200/200	600/600	144	140	144	140	140
8	Total Alkalinity. (mg/L)	200/200	600/600	133.2	133.2	133.2	128.76	133.2
9	Iron(as Fe). (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride. (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	20.90
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

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 & Bacteriological)

Date of Testing: 19.03.19

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-40	CE-74
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	7.76	7.76	7.77	7.78	7.80
2	Temperature(degree C)	----	----	26.5	26.7	26.8	26.7	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	175.8	176.3	176.0	175.8	176.5
4	Turbidity (NTU)	1/1	5/10	1.50	1.73	1.71	2.05	2.06
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.35	0.3	0.1	0.1	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	136	140	140	136	140
8	Total Alkalinity (mg/L)	200/200	600/600	124.32	124.32	128.76	124.32	128.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	19.00	19.00	20.90	20.90	20.90
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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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: 19.03.19

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.	AI-10	AI/153/18
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	7.48	7.73	7.73	7.73	7.75
2	Temperature(degree C)	----	----	26.6	26.6	26.7	26.4	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	1796.1	177.1	177.2	176.4	177.7
4	Turbidity, (NTU)	1/1	5/10	1.35	1.39	1.73	1.87	2.09
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.45	0.3	0.1	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	140	140	140	140	140
8	Total Alkalinity, (mg/L)	200/200	600/600	124.32	128.76	128.76	124.32	128.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	19.00	19.00	20.90	20.90	20.90
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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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: 26.03.19

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)
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	7.60	7.64	7.69	7.72
2	Temperature(degree C)	----	----	27.2	27.5	27.6	27.7
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	178.0	178.9	179.3	179.1
4	Turbidity, (NTU)	1/1	5/10	2.44	1.76	1.45	1.44
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.1	0.2	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	136	140	140	140
8	Total Alkalinity, (mg/L)	200/200	600/600	124.32	128.76	128.76	128.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90
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

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

TEST REPORT: AA – I, ZONE – IX

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

Date of Testing: 26.03.19

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	TATA MEDICAL CENTRE
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	7.57	7.65	7.70	7.71
2	Temperature(degree C)	----	----	27.8	27.7	27.4	27.5
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	178.9	178.7	178.9	178.4
4	Turbidity, (NTU)	1/1	5/10	1.97	1.94	2.02	2.10
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/1.0	0.2	0.25	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200/200	600/600	140	136	140	136
8	Total Alkalinity, (mg/L)	200/200	600/600	128.76	124.32	128.76	124.32
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	19.00	20.90	19.00
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/-
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ACTION AREA – II
(MARCH' 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 – IIG, ZONE – XI

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

Date of Testing: 07.03.19

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	7.68	7.70	7.71
2	Temperature (degree C)	----	----	25.4	25.5	25.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.6	180.5	180.9
4	Turbidity (NTU)	1/1	5/10	1.65	1.59	1.64
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.3	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	162.79	162.79	162.79
8	Total Alkalinity (mg/L)	200/200	600/600	132.68	132.68	136.96

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 – II C, ZONE – I

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

Date of Testing: 08.03.19

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	STAR LIT 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	7.36	7.54	7.61	7.65	7.67	7.68
2	Temperature (degree C)	----	----	25.8	26.0	25.8	25.9	26.0	26.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.9	181.0	180.6	180.7	180.8	181.2
4	Turbidity (NTU)	1/1	5/10	1.45	1.34	1.22	1.37	1.36	1.64
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.2	0.2	0.1	0.15	0.2
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	167.44	167.44	167.44	167.44	167.44	172.09
8	Total Alkalinity (mg/L)	200/200	600/600	119.84	119.84	119.84	119.84	124.12	124.12

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 – IID, ZONE – V

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

Date of Testing: 08.03.19

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	GREEN WOOD SONATA	UJJALA
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	7.63	7.68	7.71	7.72	7.72	7.72
2	Temperature (degree C)	----	----	26.0	25.7	26.0	25.9	26.0	25.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.5	180.6	180.8	180.9	181.0	180.8
4	Turbidity (NTU)	1/1	5/10	1.53	1.35	1.41	1.45	1.78	1.40
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.15	<0.1	0.1	0.1	<0.1
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	167.44	167.44	167.44	167.44	167.44	172.09
8	Total Alkalinity (mg/L)	200/200	600/600	119.84	119.84	119.84	119.84	124.12	124.12

O.H.R. – OVER HEAD RESERVOIR,

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

TEST REPORT: AA – II D, ZONE – VI

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

Date of Testing: 08.03.19

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 GREEN WOOD 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	7.67	7.72	7.67	7.68
2	Temperature (degree C)	----	----	26.3	26.1	26.3	26.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.7	181.1	182.4	181.4
4	Turbidity (NTU)	1/1	5/10	1.47	1.32	1.37	1.27
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	167.44	167.44	172.09	172.09
8	Total Alkalinity (mg/L)	200/200	600/600	119.84	124.12	124.12	124.12

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 A, ZONE – X

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

Date of Testing: 13.03.19

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	7.73	7.78	7.78
2	Temperature (degree C)	----	----	27.2	27.0	26.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.7	179.1	179.1
4	Turbidity (NTU)	1/1	5/10	2.08	1.63	1.53
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.25	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	162.79	158.14	158.14
8	Total Alkalinity (mg/L)	200/200	600/600	119.84	115.56	115.56
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	19.00	19.00
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

Sd/-
Chemist & Bacteriologist
Central Water Testing Laboratory
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 – II B, ZONE – IV

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

Date of Testing: 13.03.19

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	MAHUA MADHABI	MALANCH A	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	7.70	7.62	7.61	7.64	7.64	7.62	7.62	7.63
2	Temperature (degree C)	----	----	27.2	27.3	27.0	26.9	26.9	27.3	27.5	27.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.3	180.6	180.3	179.3	180.1	179.8	180.1	179.7
4	Turbidity (NTU)	1/1	5/10	1.64	1.38	1.91	1.95	1.75	1.70	1.42	1.81
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.3	0.25	0.1	0.15	0.2	0.1	0.35
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200/200	600/600	162.79	162.79	162.79	158.14	162.79	162.79	162.79	162.79
8	Total Alkalinity (mg/L)	200/200	600/600	115.56	119.84	119.84	115.56	119.84	119.84	119.84	115.56
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	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	19.00	19.00	20.90	20.90	19.00
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.	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.	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: 25.03.19

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	STARL IT 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	7.50	7.60	7.63	7.66	7.79	7.75
2	Temperature (degree C)	----	----	27.0	27.0	27.3	27.2	27.3	27.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.2	179.0	179.7	179.2	179.7	179.6
4	Turbidity (NTU)	1/1	5/10	1.85	1.86	1.75	1.92	1.81	1.81
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
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	140	140	140	140	144	144
8	Total Alkalinity (mg/L)	200/200	600/600	128.76	128.76	128.76	124.32	128.76	124.32
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
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	19.00	20.90	19.00
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

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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 – IID, ZONE – V

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

Date of Testing: 25.03.19

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
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	7.72	7.74	7.74	7.62
2	Temperature (degree C)	----	----	27.4	27.5	27.5	27.6	27.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.1	179.1	178.9	178.6	179.0
4	Turbidity (NTU)	1/1	5/10	1.65	1.95	2.30	1.69	2.04
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness (mg/L)	200/200	600/600	140	144	140	140	144
8	Total Alkalinity (mg/L)	200/200	600/600	124.32	128.76	124.32	124.32	124.32
9	Iron(as Fe) (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90	20.90
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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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: 25.03.19

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	7.70	7.29	7.65	7.69
2	Temperature (degree C)	----	----	27.4	27.0	27.1	27.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.7	181.6	180.0	179.5
4	Turbidity (NTU)	1/1	5/10	1.68	2.21	1.86	2.12
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.7	0.3	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	136	140	144	140
8	Total Alkalinity (mg/L)	200/200	600/600	124.32	128.76	128.76	128.76
9	Iron(as Fe) (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	20.90	20.90	20.90
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

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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 & Bacteriological)

Date of Testing: 26.03.19

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	7.69	7.80	7.81
2	Temperature (degree C)	----	----	27.8	27.7	27.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	178.6	178.0	177.9
4	Turbidity (NTU)	1/1	5/10	2.15	2.20	1.67
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	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	136	136	136
8	Total Alkalinity (mg/L)	200/200	600/600	128.76	124.32	124.32
9	Iron(as Fe) (mg/L)	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	20.90	19.00	19.00
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

Sd/-
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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 – II A, ZONE – X

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

Date of Testing: 29.03.19

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	7.60	7.70	7.74
2	Temperature (degree C)	----	----	26.7	26.6	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	179.2	178.6	178.2
4	Turbidity (NTU)	1/1	5/10	1.61	1.41	1.56
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.2	0.4	0.35
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	140	140	140
8	Total Alkalinity (mg/L)	200/200	600/600	115.44	111	111

O.H.R. – OVER HEAD RESERVOIR,

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GOVERNMENT OF WEST BENGAL
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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: 29.03.19

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	7.55	7.55	7.56	7.59	7.57	7.59	7.57
2	Temperature (degree C)	----	----	26.6	26.6	26.5	26.5	26.5	26.6	26.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	180.7	179.8	179.7	179.2	178.9	179.9	179.7
4	Turbidity (NTU)	1/1	5/10	1.44	1.65	1.34	1.47	1.45	1.81	2.26
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.15	0.25	0.15	0.2	0.1	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	136	136	136	136	140	144	144
8	Total Alkalinity (mg/L)	200/200	600/600	111	111	115.44	111	111	115.44	111

O.H.R. – OVER HEAD RESERVOIR ,

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