

**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
OCTOBER' 2018**

ACTION AREA – I
(OCTOBER' 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 - I

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

Date of Testing: 03.10.18

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 - 15	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	7.51	7.56	7.59	7.61	7.61
2	Temperature(degree C)	----	----	26.4	26.3	26.4	26.3	26.8
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	135.4	135.2	135.2	135.6	135.7
4	Turbidity (NTU)	1/1	5/10	1.37	1.47	1.43	1.66	1.78
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.45	0.2	0.15	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	126.19	126.19	126.19	130.26	130.26
8	Total Alkalinity (mg/L)	200/200	600/600	91.96	91.96	91.96	96.14	96.14

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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 OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
 ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 03.10.18

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.	NEW TOWN BUS TERMINUS	AD-1	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	7.35	7.62	7.62	7.63	7.86
2	Temperature(degree C)	----	----	26.6	27.1	27.2	26.9	26.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	135.3	135.4	135.5	136.1	135.1
4	Turbidity (NTU)	1/1	5/10	1.68	1.11	1.66	1.69	1.94
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.35	0.2	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	126.19	130.26	130.26	130.26	126.19
8	Total Alkalinity (mg/L)	200/200	600/600	91.96	96.14	96.14	96.14	91.96

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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: 09.10.18

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-200	CE/1/C/139	CE-104
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	7.54	7.65	7.69	7.71
2	Temperature(degree C)	----	----	23.8	23.8	23.9	23.6	23.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	137.1	139.8	137.1	138.8	138.2
4	Turbidity (NTU)	1/1	5/10	1.01	1.05	1.30	1.62	1.32
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.5	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	113.98	118.05	113.98	118.05	118.05
8	Total Alkalinity (mg/L)	200/200	600/600	96.14	100.32	100.32	100.32	100.32

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

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 09.10.18

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	AL/1/A/22	AL/1/C/40
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	7.60	7.62	7.59	7.62
2	Temperature(degree C)	----	----	23.9	23.5	23.7	23.4	23.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	139.4	138.7	139.6	139.0	138.5
4	Turbidity, (NTU)	1/1	5/10	1.44	1.05	1.07	1.12	0.98
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.6	0.5	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	118.05	113.98	118.05	118.05	113.98
8	Total Alkalinity, (mg/L)	200/200	600/600	100.32	96.14	100.32	100.32	96.14

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 10.10.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)				
				ZONE - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-210	DF-94	DC-159
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	7.60	7.56	7.60	7.56
2	Temperature(degree C)	----	----	26.4	26.2	26.4	26.3	26.4
3	Total Dissolved Solid.	500/500	2000/2000	141.7	141.8	142.2	141.9	141.5
4	Turbidity, (NTU)	1/1	5/10	1.26	0.92	1.14	1.05	1.03
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.3	0.45	0.15	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	119.17	123.28	119.17	119.17
8	Total Alkalinity, (mg/L)	200/200	600/600	93.38	93.38	97.44	93.38	93.38

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 10.10.18

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.	AL-AMEENATION 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	7.50	7.49	7.51	7.65
2	Temperature(degree C)	----	----	26.1	26.4	26.5	26.2
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	143.3	142.2	142.7	142.5
4	Turbidity, (NTU)	1/1	5/10	1.08	1.34	0.87	1.34
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.2	0.35	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	122.12	118.05	122.12	118.05
8	Total Alkalinity, (mg/L)	200/200	600/600	100.32	96.14	96.14	96.14

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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: 10.10.18

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	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	7.54	7.52	7.56	7.53
2	Temperature(degree C)	----	----	25.9	25.8	25.8	25.9
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	142.5	141.7	142.3	142.2
4	Turbidity, (NTU)	1/1	5/10	1.00	1.03	1.05	0.94
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.25	0.3	0.15	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	118.05	118.05	122.12	118.05
8	Total Alkalinity, (mg/L)	200/200	600/600	96.14	96.14	100.32	96.14

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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 – V

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

Date of Testing: 29.10.18

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	CD-125	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	7.48	7.53	7.58	7.62	7.66
2	Temperature(degree C)	----	----	25.9	26.1	26.0	26.1	26.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	146.7	146.8	146.7	146.6	146.6
4	Turbidity (NTU)	1/1	5/10	0.66	0.93	1.40	1.18	1.25
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.35	0.2	0.15	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	143.83	143.83	143.83	143.83	143.83
8	Total Alkalinity (mg/L)	200/200	600/600	105.56	105.56	105.56	105.56	105.56

O.H.R. – OVER HEAD RESERVOIR,

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – VIII

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

Date of Testing: 29.10.18

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-30	DA-136	DB-222
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	7.66	7.70	7.70
2	Temperature(degree C)	----	----	26.4	26.1	26.3	26.2	26.5
3	Total Dissolved Solid.	500/500	2000/2000	148.3	146.8	145.7	146.2	146.5
4	Turbidity, (NTU)	1/1	5/10	0.88	1.19	0.95	1.02	0.96
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.7	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	147.95	143.84	139.72	143.83	143.83
8	Total Alkalinity, (mg/L)	200/200	600/600	109.62	105.56	101.50	101.50	105.56

O.H.R. – OVER HEAD RESERVOIR

Sd/-
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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: ACTION AREA -I, ZONE - IV

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

Date of Testing: 30.10.18

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	BF-39	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	7.56	7.60	7.62	7.61
2	Temperature(degree C)	----	----	25.3	25.1	25.1	25.1	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	192	191	188	187	187
4	Turbidity (NTU)	1/1	5/10	0.93	0.85	0.75	1.01	1.08
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.7	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	135.61	135.61	139.72	139.72	135.61
8	Total Alkalinity (mg/L)	200/200	600/600	109.62	109.62	109.62	109.62	105.56

O.H.R. - OVER HEAD RESERVOIR

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

ACTION AREA – II
(OCTOBER' 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 D, ZONE – V

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

Date of Testing: 01.10.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)					
				AA – IID, ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA	GREENWOOD SONATA	UJJALA
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	7.45	7.61	7.58	7.58	7.58	7.56
2	Temperature (degree C)	----	----	24.8	25.8	24.7	25.1	25.0	24.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.5	133.4	135.0	133.5	133.4	133.4
4	Turbidity (NTU)	1/1	5/10	1.34	1.70	2.03	1.45	1.94	2.21
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.4	0.2	0.25	0.1	0.3
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	126.19	126.19	130.26	126.19	126.19	126.19
8	Total Alkalinity (mg/L)	200/200	600/600	87.78	87.78	91.96	87.78	87.78	87.78
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	13.40	13.40	15.31	13.40	13.40	13.40
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

O.H.R. – OVER HEAD RESERVOIR,

N.F-NOT FOUND

Sd/-
Chemist & Bacteriologist
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 01.10.18

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	6.86	7.41	7.44
2	Temperature (degree C)	----	----	25.3	24.7	25.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	135.5	133.9	134.0
4	Turbidity (NTU)	1/1	5/10	1.81	1.43	2.14
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.8	0.3	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	126.20	130.26	130.26
8	Total Alkalinity (mg/L)	200/200	600/600	87.78	91.96	87.78
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	15.31	15.31	15.31
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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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: 11.10.18

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	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	7.23	7.50	7.52	7.60	7.62	7.61
2	Temperature (degree C)	----	----	25.0	25.3	25.3	25.1	25.0	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	132.0	133.0	132.8	132.3	132.2	132.1
4	Turbidity (NTU)	1/1	5/10	1.05	1.41	1.15	1.41	1.39	1.01
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.15	0.1	0.2	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	119.17	119.17	123.28	119.17	119.17	119.17
8	Total Alkalinity (mg/L)	200/200	600/600	93.38	93.38	93.38	93.38	93.38	93.38

O.H.R. – OVER HEAD RESERVOIR

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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 – IID, ZONE – V

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

Date of Testing: 11.10.18

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)					
				AA – IID, ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	UTTARA	GREENWOOD SONATA	UJJALA
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	7.44	7.51	7.50	7.49	7.48	7.49
2	Temperature (degree C)	----	----	25.3	25.2	25.3	25.3	25.5	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	132.8	132.3	132.6	132.6	132.8	132.6
4	Turbidity (NTU)	1/1	5/10	1.02	1.23	0.89	1.25	1.06	1.15
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.4	0.45	0.35	0.4	0.3
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	118.05	118.05	118.05	118.05	118.05	118.05
8	Total Alkalinity (mg/L)	200/200	600/600	96.14	96.14	96.14	96.14	96.14	96.14

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 – IID, ZONE – VI

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

Date of Testing: 11.10.18

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	7.43	7.46	7.45	7.43
2	Temperature (degree C)	----	----	25.2	25.2	25.1	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	134.1	132.4	132.8	132.7
4	Turbidity (NTU)	1/1	5/10	1.31	1.07	0.93	0.92
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.8	0.2	0.1	<0.01
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200/200	600/600	123.28	119.17	119.17	119.17
8	Total Alkalinity (mg/L)	200/200	600/600	97.44	93.38	93.38	93.38

O.H.R. - OVER HEAD RESERVOIR,

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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: 12.10.18

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	7.47	7.55	7.55
2	Temperature (degree C)	----	----	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	132.8	133.3	133.4
4	Turbidity (NTU)	1/1	5/10	1.38	2.17	1.15
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.15	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	118.05	122.12	122.12
8	Total Alkalinity (mg/L)	200/200	600/600	96.14	100.32	100.32

O.H.R. – OVER HEAD RESERVOIR

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II B, ZONE – IV

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

Date of Testing: 12.10.18

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	7.42	7.42	7.41	7.49	7.55	7.43	7.43
2	Temperature (degree C)	----	----	25.9	26.1	26.1	25.9	26.1	26.0	25.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	133.6	134.2	134.0	133.8	134.2	134.6	134.1
4	Turbidity (NTU)	1/1	5/10	1.56	1.25	1.80	2.13	1.98	2.01	1.44
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.01	0.4	0.4	0.3	0.2	0.4	0.3
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	122.12	122.12	118.05	118.05	122.12	122.12	118.05
8	Total Alkalinity (mg/L)	200/200	600/600	100.32	100.32	96.14	96.14	100.32	100.32	96.14

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 NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 12.10.18

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	7.58	7.66	7.60
2	Temperature (degree C)	----	----	26.5	26.4	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	132.8	133.1	132.9
4	Turbidity (NTU)	1/1	5/10	1.11	1.43	1.21
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.3	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	118.05	118.05	118.05
8	Total Alkalinity (mg/L)	200/200	600/600	96.14	96.14	96.14

O.H.R. – OVER HEAD RESERVOIR

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