

**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  
JANUARY' 2019**

**ACTION AREA – I**  
**(JANUARY' 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 – I, ZONE – X**  
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 04.01.19

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)
<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	7.73	7.71	7.74	7.72
2	Temperature(degree C)	----	----	23.4	23.4	23.3	23.3
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	183.2	184.9	184.9	184.7
4	Turbidity, (NTU)	1/1	5/10	1.99	1.81	1.96	1.91
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.1	0.4	0.15	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	160.68	164.80	164.80	164.80
8	Total Alkalinity, (mg/L)	200/200	600/600	133.84	138.62	138.62	133.84
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	19.14	19.14	19.14	19.14
<b>Bacteriological Test Results :</b>							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.

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

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

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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: 04.01.19

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
<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	7.73	7.75	7.77
2	Temperature(degree C)	----	----	23.3	23.4	23.4
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	184.6	184.5	184.1
4	Turbidity, (NTU)	1/1	5/10	2.07	1.92	1.94
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.3	0.35	0.2
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness, (mg/L)	200/200	600/600	164.80	164.80	160.68
8	Total Alkalinity, (mg/L)	200/200	600/600	133.84	133.84	133.84
9	Iron(as Fe), mg/L	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.22	17.22	17.22
<b>C.Bacteriological Test Results :</b>						
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.

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

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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: 09.01.19

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.	CC-201	CB-115	CB-177
<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	7.59	7.75	7.81	7.86	7.88
2	Temperature(degree C)	----	----	23.3	23.3	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.2	186.5	186.2	185.8	186.5
4	Turbidity (NTU)	1/1	5/10	1.02	1.26	1.55	1.23	1.64
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.25	0.35	0.15	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	156.56	156.56	156.56	152.44	156.56
8	Total Alkalinity (mg/L)	200/200	600/600	143.40	148.18	143.40	143.40	148.18

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)

Date of Testing: 09.01.19

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/1/A/113	CE/1/8/107	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	7.77	7.84	7.88	7.88	7.90
2	Temperature(degree C)	----	----	23.3	23.2	23.2	23.3	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.6	186.6	186.4	186.4	186.2
4	Turbidity (NTU)	1/1	5/10	1.07	1.11	1.42	1.30	1.19
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.2	0.1	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	156.56	156.56	156.56	156.56	152.44
8	Total Alkalinity (mg/L)	200/200	600/600	148.18	148.18	143.40	143.40	143.40

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)

Date of Testing: 09.01.19

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.	AI/10	AI/153/23	AI/153/18
<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	7.89	7.89	7.87	7.87	7.88
2	Temperature(degree C)	----	----	23.3	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.8	186.7	186.9	186.8	186.3
4	Turbidity, (NTU)	1/1	5/10	1.20	1.38	1.41	1.32	1.20
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.5	0.35	0.2	0.2	0.15
6	Odour	Agreeable/Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results :</b>								
7	Total Hardness, (mg/L)	200/200	600/600	156.56	156.56	156.56	156.56	156.56
8	Total Alkalinity, (mg/L)	200/200	600/600	148.18	148.18	148.18	143.40	143.40

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: 14.01.19**

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-174	AD-17	AC-107
<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	7.58	7.59	7.70	7.69
2	Temperature(degree C)	----	----	23.5	23.5	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.4	187.8	188.2	188.4	188.4
4	Turbidity (NTU)	1/1	5/10	1.03	1.35	1.82	1.39	1.20
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	0.4	0.2	0.15	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	156.56	160.68	164.80	164.80	164.80
8	Total Alkalinity (mg/L)	200/200	600/600	148.18	143.40	143.40	148.18	148.18
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	21.05	19.14	19.14	19.14	21.05
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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

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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: 14.01.19**

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.	AE-64	AB-81	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	7.68	7.66	7.67	7.70	7.70
2	Temperature(degree C)	----	----	23.5	23.4	23.4	23.5	23.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	187.9	187.9	188.1	187.7	187.9
4	Turbidity (NTU)	1/1	5/10	1.01	1.32	1.32	1.31	1.32
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.4	0.2	0.2	0.15
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	160.68	160.68	160.68	160.68	160.68
8	Total Alkalinity (mg/L)	200/200	600/600	148.18	148.18	148.18	143.40	143.40
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	21.05	19.14	19.14	19.14	19.14
<b>C. Bacteriological Test Results :</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.

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

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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: 15.01.19

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	DC-235
<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	7.76	7.81	7.78	7.73	7.74
2	Temperature(degree C)	----	----	23.5	23.5	23.4	23.4	23.5
3	Total Dissolved Solid.	500/500	2000/2000	189.0	188.9	189.3	191.5	189.3
4	Turbidity, (NTU)	1/1	5/10	1.31	1.50	1.30	1.37	1.24
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.1	0.3	0.2	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	168.92	168.92	168.92	168.92	168.92
8	Total Alkalinity, (mg/L)	200/200	600/600	143.40	143.40	143.40	143.40	143.40

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: 15.01.19**

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-93	DB-222	DC-23
<b>A. Physico-chemical Test Results:</b>								
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.48	7.58	7.71	7.71	7.78
2	Temperature(degree C)	----	----	23.4	23.4	23.5	23.4	23.4
3	Total Dissolved Solid.	500/500	2000/2000	188.5	188.9	188.6	188.7	188.1
4	Turbidity, (NTU)	1/1	5/10	1.54	1.32	1.29	1.09	1.14
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.7	0.25	0.1	0.1	0.1
6	Odour	Agreeable/Agreeable	Agreeable/Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness, (mg/L)	200/200	600/600	168.92	168.92	164.80	164.80	164.80
8	Total Alkalinity, (mg/L)	200/200	600/600	138.62	143.40	138.62	138.62	138.62

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 – I, ZONE – X**

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

**Date of Testing: 17.01.19**

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)
<b>A. Physico-chemical Test Results:</b>							
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.58	7.64	7.74	7.77
2	Temperature(degree C)	----	----	23.4	23.4	23.3	23.3
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	190.5	192.0	191.6	191.5
4	Turbidity, (NTU)	1/1	5/10	1.54	2.01	1.63	1.80
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	<0.1	0.25	0.2	0.15
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	163.55	163.55	163.55	163.55
8	Total Alkalinity, (mg/L)	200/200	600/600	149.76	154.44	154.44	154.44

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: 17.01.19**

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
<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	7.66	7.68	7.68
2	Temperature(degree C)	----	----	23.5	23.4	23.4	23.3
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	191.3	191.3	191.2	193.7
4	Turbidity, (NTU)	1/1	5/10	1.44	1.59	1.96	1.86
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	<0.1	0.2	0.1	0.15
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	159.56	159.56	163.55	163.55
8	Total Alkalinity, (mg/L)	200/200	600/600	149.76	149.76	149.76	154.44

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: ACTION AREA -I, ZONE - I**

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

Date of Testing: 21.01.19

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-175	AA-26	AC-107
<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	7.62	7.67	7.70	7.70	7.71
2	Temperature(degree C)	----	----	23.5	23.5	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	193.0	192.3	192.1	192.3	192.2
4	Turbidity (NTU)	1/1	5/10	1.43	1.46	1.66	1.54	1.32
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.25	0.1	0.1	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	159.56	159.56	155.57	159.56	159.56
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	140.40	145.08	140.40	140.40

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: ACTION AREA -I, ZONE - II**

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

**Date of Testing: 21.01.19**

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-I	BA-120	AB-28
<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	7.67	7.70	7.71	7.71
2	Temperature(degree C)	----	----	23.5	23.5	23.5	23.5	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	192.5	192.2	192.2	191.6	191.9
4	Turbidity (NTU)	1/1	5/10	1.32	1.50	1.43	1.62	1.40
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	0.2	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	159.56	159.56	159.56	155.57	155.57
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	145.08	145.08	140.40	140.40

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: ACTION AREA - I, ZONE - V

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

Date of Testing: 22.01.19

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.	BB-107	BA-75	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	7.48	7.58	7.64	7.61	7.62
2	Temperature(degree C)	----	----	23.5	23.5	23.4	23.5	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	193.4	193.7	194.3	193.7	192.7
4	Turbidity (NTU)	1/1	5/10	1.72	1.57	1.90	1.50	1.48
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.6	0.3	0.15	0.2	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>								
7	Total Hardness (mg/L)	200/200	600/600	155.57	155.57	159.56	155.57	155.57
8	Total Alkalinity (mg/L)	200/200	600/600	140.40	140.40	145.08	145.08	140.40

O.H.R. - OVER HEAD RESERVOIR

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



**ACTION AREA – II**  
**(JANUARY' 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 – II C, ZONE – I**  
**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)**

Date of Testing: 03.01.19

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
<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	7.38	7.64	7.70	7.75	7.75	7.76
2	Temperature (degree C)	----	----	23.3	23.3	23.4	23.4	23.3	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.9	184.2	185.1	183.9	184.0	184.0
4	Turbidity (NTU)	1/1	5/10	2.27	2.03	2.00	1.74	1.51	1.78
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.4	0.35	0.4	0.3	0.45
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	164.80	168.92	168.92	164.80	164.80	164.80
8	Total Alkalinity (mg/L)	200/200	600/600	133.84	138.62	138.62	138.62	138.62	138.62
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	21.05	22.97	22.97	21.05	21.05	21.05
<b>C. Bacteriological Test Results:</b>									
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

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

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

Date of Testing: 03.01.19

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
<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	7.72	7.81	7.84	7.84	7.80
2	Temperature (degree C)	----	----	23.4	23.3	23.3	23.4	23.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.2	183.8	183.9	183.5	183.6
4	Turbidity (NTU)	1/1	5/10	2.03	2.12	1.80	1.85	1.88
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.4	0.35	0.2	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	164.80	160.68	160.68	160.68	160.68
8	Total Alkalinity (mg/L)	200/200	600/600	138.62	133.84	138.62	133.84	133.84
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.22	19.14	19.14	17.22	19.14
<b>C. Bacteriological Test Results:</b>								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.

O.H.R. – OVER HEAD RESERVOIR,

N.F-NOT FOUND

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

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

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

Date of Testing: 03.01.19

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
<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	7.73	7.76	7.78	7.78
2	Temperature (degree C)	----	----	23.4	23.3	23.3	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.1	183.6	183.9	183.4
4	Turbidity (NTU)	1/1	5/10	1.92	1.58	1.65	1.60
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.25	0.4	0.35	0.3
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	168.92	164.80	164.80	164.80
8	Total Alkalinity (mg/L)	200/200	600/600	138.62	133.84	133.84	133.84
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	21.05	21.05	22.97	21.05
<b>C. Bacteriological Test Results:</b>							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.

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

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

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: 04.01.19

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
<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	7.74	7.79	7.82
2	Temperature (degree C)	----	----	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.4	184.2	183.8
4	Turbidity (NTU)	1/1	5/10	1.99	2.05	2.11
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>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200/200	600/600	160.68	160.68	160.68
8	Total Alkalinity (mg/L)	200/200	600/600	133.84	133.84	133.84
9	Iron(as Fe) (mg/L)	0.3/0.1	0.3/1.0	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.22	17.22	17.22
<b>C. Bacteriological Test Results:</b>						
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.

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

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

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

**TEST REPORT: AA – IIG, ZONE – XI**

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

Date of Testing: 17.01.19

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
<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	7.78	7.77	7.75
2	Temperature (degree C)	----	----	23.4	23.5	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.1	190.7	190.5
4	Turbidity (NTU)	1/1	5/10	1.79	1.86	1.91
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.1	0.15	<0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200/200	600/600	159.56	159.56	159.56
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	154.44	149.76

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)

Date of Testing: 30.01.19

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
<b>A. Physico-chemical Test Results:</b>						
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.61	7.65	7.68
2	Temperature (degree C)	----	----	23.3	23.3	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	191.8	191.4	191.3
4	Turbidity (NTU)	1/1	5/10	2.01	1.97	2.08
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.1	0.3	0.2
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>						
7	Total Hardness (mg/L)	200/200	600/600	155.57	151.58	151.58
8	Total Alkalinity (mg/L)	200/200	600/600	151.04	146.32	146.32

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 – IIB, ZONE – IV**

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

Date of Testing: 30.01.19

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 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	7.56	7.58	7.58	7.62	7.60	7.60	7.58
2	Temperature (degree C)	----	----	23.4	23.4	23.3	23.3	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.7	190.2	190.9	191.3	191.7	191.6	191.5
4	Turbidity (NTU)	1/1	5/10	1.88	2.19	2.28	2.21	1.82	1.85	1.94
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.1	0.3	0.25	0.2	0.3	0.2	0.3
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>										
7	Total Hardness (mg/L)	200/200	600/600	151.58	151.58	151.58	151.58	155.57	155.57	155.57
8	Total Alkalinity (mg/L)	200/200	600/600	146.32	146.32	146.32	146.32	151.04	151.04	146.32

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 C, ZONE – I

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

Date of Testing: 31.01.19

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
<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	7.68	7.76	7.79	7.81	7.82	7.82
2	Temperature (degree C)	----	----	23.5	23.5	23.4	23.4	23.5	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	194.0	193.3	192.8	192.6	192.4	192.5
4	Turbidity (NTU)	1/1	5/10	1.89	2.38	2.02	2.24	1.95	2.39
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>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200/200	600/600	159.56	155.57	155.57	155.57	155.57	155.57
8	Total Alkalinity (mg/L)	200/200	600/600	155.76	151.04	151.04	151.04	151.04	151.04

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 D, ZONE – V

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

Date of Testing: 31.01.19

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	UJJALA
<b>A. Physico-chemical Test Results:</b>									
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.68	7.79	7.82	7.84	7.83	7.83
2	Temperature (degree C)	----	----	23.4	23.5	23.5	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	193.4	192.2	192.3	192.0	192.2	192.0
4	Turbidity (NTU)	1/1	5/10	1.92	2.16	2.01	2.10	2.68	1.82
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>B. Chemical Test Results:</b>									
7	Total Hardness (mg/L)	200/200	600/600	155.57	155.57	155.57	155.57	159.56	155.57
8	Total Alkalinity (mg/L)	200/200	600/600	146.32	146.32	151.04	146.32	146.32	146.32

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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: 31.01.19

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
<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	7.44	7.70	7.74	7.75
2	Temperature (degree C)	----	----	23.5	23.5	23.5	23.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	194.5	192.5	193.0	192.6
4	Turbidity (NTU)	1/1	5/10	1.91	1.84	2.11	2.00
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.7	0.1	<0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
<b>B. Chemical Test Results:</b>							
7	Total Hardness (mg/L)	200/200	600/600	159.56	155.57	155.57	155.57
8	Total Alkalinity (mg/L)	200/200	600/600	151.04	146.32	151.04	151.04

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