

**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
FEBRUARY' 2019**

ACTION AREA – I
(FEBRUARY' 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 – VI

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

Date of Testing: 07.02.19

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-200	CE/1/C/139	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	7.61	7.62	7.69	7.70	7.73
2	Temperature(degree C)	----	----	24.3	24.2	23.5	23.9	23.5
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	191.0	191.5	190.1	191.0	189.2
4	Turbidity (NTU)	1/1	5/10	1.96	1.96	2.08	1.78	2.18
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	0.2	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	154.47	154.47	154.47	154.47	154.47
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	145.08	149.76	145.08
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	20.90	19.00	19.00	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.

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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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: 07.02.19

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-16	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	7.39	7.64	7.61	7.62	7.63
2	Temperature(degree C)	----	----	24.5	24.1	24.3	24.6	24.1
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.5	190.8	192.3	191.3	193.5
4	Turbidity, (NTU)	1/1	5/10	1.99	1.75	1.70	1.64	1.37
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.45	0.3	0.1	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	154.47	158.54	158.54	158.54	158.54
8	Total Alkalinity, (mg/L)	200/200	600/600	145.08	145.08	149.76	149.76	149.76
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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 07.02.19

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-101	DA-97	DC-23
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	7.72	7.68	7.68	7.69	7.77
2	Temperature(degree C)	----	----	23.8	23.6	23.6	23.8	24.6
3	Total Dissolved Solid.	500/500	2000/2000	190.2	191.4	191.2	191.0	191.4
4	Turbidity. (NTU)	1/1	5/10	1.94	2.10	2.00	1.95	1.97
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.6	0.4	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	154.47	158.54	158.54	158.54	158.54
8	Total Alkalinity. (mg/L)	200/200	600/600	145.08	149.76	149.76	145.08	149.76
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	20.90	20.90	19.00	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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 13.02.19

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	7.46	7.57	7.71	7.79
2	Temperature(degree C)	----	----	24.0	24.1	24.0	23.7
3	Total Dissolved Solid(mg/L)	500/500	2000/2000	190.1	192.1	191.8	192.1
4	Turbidity, (NTU)	1/1	5/10	2.09	1.61	1.41	1.67
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.35	0.2	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	150.41	150.41	150.41	150.41
8	Total Alkalinity, (mg/L)	200/200	600/600	149.76	149.76	149.76	149.76
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.

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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: 13.02.19

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	7.73	7.74	7.78	7.79
2	Temperature(degree C)	----	----	24.0	23.8	24.0	23.9
3	Total Dissolved Solid. (mg/L)	500/500	2000/2000	192.7	191.9	192.1	192.3
4	Turbidity, (NTU)	1/1	5/10	1.37	1.47	1.52	1.69
5	Residual Free Chlorine(mg/L)	0.2/0.2	0.2/>1.0	0.4	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	154.47	150.41	150.41	154.47
8	Total Alkalinity, (mg/L)	200/200	600/600	159.12	159.12	154.44	159.12
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	22.80	22.80	22.80	22.80
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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - IV

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

Date of Testing: 19.02.19

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-52	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	7.63	7.77	7.85	7.89	7.90
2	Temperature(degree C)	----	----	24.4	24.4	24.7	24.1	24.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.4	191.3	191.4	190.0	190.7
4	Turbidity (NTU)	1/1	5/10	1.27	1.48	1.28	1.41	1.16
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	0.25	0.2	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	166.41	166.41	166.41	166.41	166.41
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	149.76	149.76	149.76	149.76
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	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: ACTION AREA - I, ZONE – V

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

Date of Testing: 20.02.19

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-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	7.51	7.62	7.73	7.84	7.87
2	Temperature(degree C)	----	----	24.7	24.8	24.9	24.4	25.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.3	190.9	190.7	190.6	190.5
4	Turbidity (NTU)	1/1	5/10	2.04	1.98	1.76	1.33	2.06
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.3	0.25	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	170.90	170.90	170.90	170.90	170.90
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	145.08	149.76	149.76	149.76
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	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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TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 20.02.19

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-182	DC-77	DF-94
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	7.86	7.84	7.91	7.91	7.90
2	Temperature(degree C)	----	----	25.4	25.4	25.4	25.4	25.6
3	Total Dissolved Solid.	500/500	2000/2000	190.1	190.5	190.3	190.4	190.7
4	Turbidity, (NTU)	1/1	5/10	2.58	2.46	1.96	2.02	2.14
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	184.11	189.08	189.08	189.08	189.08
8	Total Alkalinity, (mg/L)	200/200	600/600	145.08	149.76	145.08	145.08	149.76
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	20.90	22.80	20.90	20.90	22.80
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/-
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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: 22.02.19

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-200	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	7.53	7.57	7.75	7.82	7.86
2	Temperature(degree C)	----	----	25.6	25.7	25.7	25.8	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.5	190.8	190.8	190.1	191.1
4	Turbidity (NTU)	1/1	5/10	1.92	1.87	1.75	1.53	1.89
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	166.41	166.41	166.41	166.41	166.41
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	149.76	145.08	149.76

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: 22.02.19

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.	AL/1/B/14	A1/153/18	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	7.68	7.73	7.76	7.78	7.81
2	Temperature(degree C)	----	----	25.5	25.4	25.6	25.6	25.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.1	189.8	190.1	189.7	190.7
4	Turbidity, (NTU)	1/1	5/10	2.11	1.92	1.96	1.82	1.74
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.4	0.2	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	166.41	166.41	166.41	166.41	166.41
8	Total Alkalinity, (mg/L)	200/200	600/600	145.08	145.08	145.08	145.08	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: ACTION AREA - I, ZONE – V

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

Date of Testing: 28.02.19

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-240	CA-82	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	7.61	7.69	7.74	7.77
2	Temperature(degree C)	----	----	24.1	24.0	24.1	24.2	24.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	183.0	183.5	183.3	183.0	183.2
4	Turbidity (NTU)	1/1	5/10	1.60	1.42	1.65	1.51	1.22
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	0.25	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	157.41	157.41	157.41	157.41	157.41
8	Total Alkalinity (mg/L)	200/200	600/600	140.40	140.40	140.40	140.40	140.40

O.H.R. - OVER HEAD RESERVOIR

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

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

TEST REPORT: AA – I, ZONE – VII

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

Date of Testing: 28.02.19

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-182
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	7.75	7.79	7.86	7.91	7.89
2	Temperature(degree C)	----	----	24.2	24.3	24.1	24.0	24.3
3	Total Dissolved Solid.	500/500	2000/2000	183.4	185.2	189.2	189.1	183.7
4	Turbidity, (NTU)	1/1	5/10	1.07	1.33	1.24	1.30	1.39
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.3	0.2	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	157.41	161.91	161.91	161.91	157.41
8	Total Alkalinity, (mg/L)	200/200	600/600	140.40	145.08	145.08	145.08	140.40

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 – I, ZONE – VIII

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

Date of Testing: 28.02.19

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.	DB-222	DA-136	DC-49
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	7.61	7.71	7.76	7.78	7.79
2	Temperature(degree C)	----	----	23.9	23.9	24.0	24.1	24.1
3	Total Dissolved Solid.	500/500	2000/2000	183.7	183.6	183.9	183.3	183.3
4	Turbidity, (NTU)	1/1	5/10	1.34	1.38	1.50	1.87	1.56
5	Residual Free Chlorine	0.2/0.2	0.2/>1.0	0.6	0.3	0.15	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	157.41	157.41	161.91	157.41	157.41
8	Total Alkalinity, (mg/L)	200/200	600/600	140.40	140.40	145.08	140.40	140.40

O.H.R. – OVER HEAD RESERVOIR

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 NTKD - I P.H.E. Dte.

ACTION AREA – II
(FEBRUARY' 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 & Bacteriological)**

Date of Testing: 13.02.19

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	7.80	7.80	7.83
2	Temperature (degree C)	----	----	23.9	23.8	23.9
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.9	191.4	191.3
4	Turbidity (NTU)	1/1	5/10	2.88	2.93	2.95
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	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	150.41	154.47	154.47
8	Total Alkalinity (mg/L)	200/200	600/600	154.44	159.12	159.12
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	20.90	20.90
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
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: 15.02.19

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	7.81	7.82	7.83
2	Temperature (degree C)	----	----	24.6	24.5	24.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.7	190.9	191.1
4	Turbidity (NTU)	1/1	5/10	2.48	2.40	2.38
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.2	0.1	0.1
6	Odour	Agreeable/ Agreeable	Agreeable/ Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200/200	600/600	166.41	166.41	170.90
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	149.76	154.44
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	20.90	20.90
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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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 & Bacteriological)

Date of Testing: 15.02.19

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	MALANCHA	NKDA MARKET
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	7.72	7.76	7.69	7.78	7.71	7.79	7.81
2	Temperature (degree C)	----	----	24.0	24.4	24.3	24.5	24.3	24.5	24.7
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	189.5	191.5	190.8	190.4	191.5	190.6	192.5
4	Turbidity (NTU)	1/1	5/10	2.38	2.91	2.71	2.46	2.19	2.37	2.46
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	<0.1	0.1	0.5	0.2	0.4	0.3	0.1
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	170.90	170.90	170.90	166.41	166.41	166.41	170.90
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	149.76	149.76	149.76	154.44	154.44	154.44
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
10	Chloride (mg/L)	250/200	1000/1000	19.00	19.00	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.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

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

TEST REPORT: AA – II C, ZONE – I

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

Date of Testing: 18.02.19

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	7.70	7.82	7.85	7.87	7.89	7.91
2	Temperature (degree C)	----	----	23.8	23.9	23.7	23.8	24.1	24.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	188.6	190.0	189.9	190.3	191.1	189.8
4	Turbidity (NTU)	1/1	5/10	2.27	2.31	2.33	2.52	2.62	2.59
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	166.41	166.41	166.41	170.90	170.90	166.41
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	145.08	145.08	145.08	149.76	145.08
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	20.90	22.80	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.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.	N.F.	N.F.

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

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

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

TEST REPORT: AA – II D, ZONE – V

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

Date of Testing: 18.02.19

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
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	7.90	7.92	7.96	7.91	7.88	7.96
2	Temperature (degree C)	----	----	23.8	23.7	23.8	23.6	23.6	23.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.8	189.7	190.2	190.4	190.4	190.6
4	Turbidity (NTU)	1/1	5/10	2.11	2.13	2.23	2.56	2.41	2.18
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	166.41	166.41	166.41	170.90	170.90	170.90
8	Total Alkalinity (mg/L)	200/200	600/600	149.76	145.08	145.08	149.76	149.76	145.08
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	20.90	22.80	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.	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
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: 18.02.19

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	7.83	7.87	7.91	7.92
2	Temperature (degree C)	----	----	23.9	23.9	24.0	24.0
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	190.4	191.5	190.4	190.5
4	Turbidity (NTU)	1/1	5/10	2.88	2.89	2.34	2.81
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.15	<0.1	<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	166.41	170.90	170.90	170.90
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	145.08	145.08
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	22.80	22.80	22.80
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	N.F.	N.F.	N.F.	N.F.

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

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

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: 27.02.19

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	7.56	7.66	7.70
2	Temperature (degree C)	----	----	25.3	25.2	25.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.0	186.6	187.0
4	Turbidity (NTU)	1/1	5/10	1.76	1.69	1.58
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.35	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	161.91	166.41	166.41
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	149.76	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 B, ZONE – IV

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

Date of Testing: 27.02.19

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	ANAHTA	MALANCH A	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	7.51	7.56	7.53	7.57	7.56	7.58	7.55
2	Temperature (degree C)	----	----	25.3	25.1	25.0	25.2	25.2	25.3	25.3
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	184.5	185.9	186.5	186.3	186.6	186.5	186.5
4	Turbidity (NTU)	1/1	5/10	1.87	1.54	1.50	1.49	1.77	2.65	1.47
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/>1.0	0.1	0.1	0.3	0.2	0.45	0.25	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	161.91	161.91	166.41	166.41	166.41	166.41	166.41
8	Total Alkalinity (mg/L)	200/200	600/600	145.08	145.08	149.76	149.76	149.76	149.76	149.76

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