

**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
AUGUST' 2021**

ACTION AREA – I
(AUGUST' 2021)

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

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 02.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC- 201	CD-125	CA-81	CB-08
Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.25	7.28	7.28	7.28	7.29
2	Temperature(degree C)	----	----	26.9	26.9	26.9	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	108.8	108.3	107.9	108.1	108.3	108.3
4	Turbidity (NTU)	1.00	5.00	2.11	2.87	2.10	2.89	2.39	2.01
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.3	0.1	0.1	0.15	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	103.60	107.74	103.60	103.60	103.60	107.74
8	Total Alkalinity (mg/L)	200.00	600.00	90.20	90.20	90.20	90.20	90.20	86.10
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.20	15.08	15.08	15.08	15.08	15.08
C. .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: AA – I, ZONE – III
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 05.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - III							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AL/1/C/28	NKDA Off.	AL/1/C/40	AI/153/18	AL-36	A1-18
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.20	7.26	7.26	7.27	7.28	7.29	7.29	7.29
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	107.6	107.3	107.2	107.1	107.9	107.7	107.8	108.0
4	Turbidity, (NTU)	1.00	5.00	1.29	1.59	1.42	1.65	1.36	1.71	1.56	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.7	0.25	0.45	0.3	0.35	0.35	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	103.60	103.60	103.60	103.60	103.60	103.60	103.60	103.60
8	Total Alkalinity, (mg/L)	200.00	600.00	90.20	90.20	90.20	90.20	94.30	90.20	90.20	94.30

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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 – X

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

Date of Testing: 06.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				ZONE - X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.18	7.19
2	Temperature(degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	110.8	109.9	109.7
4	Turbidity, (NTU)	1.00	5.00	2.29	2.73	2.38
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.7	0.5	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	103.60	103.60	103.60
8	Total Alkalinity, (mg/L)	200.00	600.00	94.3	90.20	90.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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)

Date of Testing: 06.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.19	7.19	7.21
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	109.8	109.1	109.1	109.3
4	Turbidity, (NTU)	1.00	5.00	2.76	2.14	2.20	2.60
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.7	0.6	0.3	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	103.60	103.60	103.60	103.60
8	Total Alkalinity, (mg/L)	200.00	600.00	90.20	90.20	90.20	94.30

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
NTKD - I P.H.E. Dte.

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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: 09.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - VI							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE -74	CE-197	CE-1/C/48	CE-1/C/171
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.35	7.36	7.37	7.41	7.40	7.39	7.38
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	102.4	102.6	103.4	102.2	102.9	102.3	102.9	102.0
4	Turbidity (NTU)	1.00	5.00	2.19	2.44	2.46	2.21	2.14	1.99	1.98	2.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2	0.1	0.15	0.2	0.1	0.15
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	99.46	99.46	99.46	99.46	99.46	99.46	99.46	99.46
8	Total Alkalinity (mg/L)	200.00	600.00	82	82	82	82	82	82	82	82

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
 Assistant Engineer
 NTKD - I P.H.E. Dte.

Sd/-
 Executive Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 10.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - I							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AD-26	AC-190
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.26	7.26	7.27	7.28	7.29	7.31	7.32
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	112.4	112.5	112.1	112.0	112.2	112.4	112.1	112.3
4	Turbidity (NTU)	1.00	5.00	2.76	2.81	2.46	2.87	2.91	2.98	2.97	2.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.25	0.15	0.3	0.2	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	107.74	107.74	107.74	107.74	107.74	107.74	107.74	107.74
8	Total Alkalinity (mg/L)	200.00	600.00	90.20	90.20	86.10	86.10	86.10	86.10	86.10	86.10

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 11.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - III					
				INLET OF O.H.R	OUTLET OF O.H.R	NKDA Off	AI/153/18	MILLENNIUM TOWER (MIG/LIG)	MILLENNIUM TOWER (HIG)
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.22	7.21	7.19	7.19	7.17	7.18
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	112.4	111.6	112.7	113.4	113.4	114.3
4	Turbidity, (NTU)	1.00	5.00	2.19	1.86	2.53	2.24	2.31	2.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.4	0.4	0.2	0.65
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :									
7	Total Hardness, (mg/L)	200.00	600.00	107.74	103.60	107.74	103.60	103.60	107.74
8	Total Alkalinity, (mg/L)	200.00	600.00	90.20	86.10	90.20	90.20	86.10	90.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	15.08	16.97	16.97	16.97	16.97
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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 – I. ZONE – VIII
Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)

Date of Testing: 17.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - VIII							
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222	DA-27	DA-95
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.10	7.11	7.16	7.18	7.21	7.20	7.21	7.18
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid.	500.00	2000.00	116.7	116.5	115.8	116.0	116.3	116.0	115.6	115.8
4	Turbidity. (NTU)	1.00	5.00	2.55	2.81	2.91	2.41	2.25	2.10	2.91	2.11
5	Residual Free Chlorine	0.20	1.00	0.35	0.45	0.2	0.3	0.25	0.3	0.15	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness. (mg/L)	200.00	600.00	94.66	94.66	94.66	98.78	98.78	98.78	98.78	98.78
8	Total Alkalinity. (mg/L)	200.00	600.00	84	84	84	84	84	84	84	84
9	Iron(as Fe). (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride. (mg/L)	250.00	1000.00	15.82	15.82	15.82	15.82	15.82	15.82	15.82	15.82
C. Bacteriological Test Results:											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
NTKD - I P.H.E. Dte.

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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: 18.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO Admin building	DF - 190	DA-248
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.21	7.22	7.23	7.24	7.23	7.25
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid.	500.00	2000.00	116.9	117.4	117.8	117.9	117.9	117.5
4	Turbidity, (NTU)	1.00	5.00	1.58	2.72	2.62	2.80	2.67	2.78
5	Residual Free Chlorine	0.20	1.00	0.35	0.4	0.3	0.1	0.25	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	94.66	94.66	98.78	98.78	98.78	98.78
8	Total Alkalinity, (mg/L)	200.00	600.00	79.80	79.80	84	84	84	84

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: ACTION AREA - I, ZONE – V
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 18.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-180
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.18	7.19	7.21	7.17	7.19
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	116.8	116.7	116.6	116.9	116.9	116.8
4	Turbidity (NTU)	1.00	5.00	1.61	2.30	2.33	2.12	2.29	2.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.1	0.15	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	94.66	94.66	94.66	98.78	98.78	98.78
8	Total Alkalinity (mg/L)	200.00	600.00	79.80	79.80	79.80	84	84	79.80

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 19.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BD-100
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.12	7.13	7.12	7.11	7.10	7.12	7.13
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	117.9	117.7	117.6	117.6	117.6	117.6	117.8
4	Turbidity (NTU)	1.00	5.00	1.42	1.71	2.78	1.83	1.91	1.78	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.4	0.25	0.15	0.2	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	94.66	94.66	94.66	94.66	94.66	94.66	94.66
8	Total Alkalinity (mg/L)	200.00	600.00	79.80	79.80	79.80	79.80	79.80	84	79.80

O.H.R. – OVER HEAD RESERVOIR

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

Sd/
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/
Executive Engineer
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)

Date of Testing: 25.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - VI							
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO Adm Building	DF-74	DC-248	DC-187	DC-182
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.16	7.18	7.18	7.21	7.22	7.23	7.24	7.21
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	121.5	120.7	120.6	120.7	120.5	120.0	120.3	119.9
4	Turbidity (NTU)	1.00	5.00	2.85	2.32	2.41	2.24	2.13	2.66	2.91	2.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.35	0.1	0.15	0.2	0.23	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	98.78	98.78	98.78	98.78	98.78	98.78	98.78	94.66
8	Total Alkalinity (mg/L)	200.00	600.00	88.20	92.40	92.40	92.40	92.40	92.40	92.40	92.40

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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 – X

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

Date of Testing: 26.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				ZONE - X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	6.89	7.00	7.06
2	Temperature(degree C)	----	----	26.7	26.7	26.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	125.3	123.8	124.6
4	Turbidity, (NTU)	1.00	5.00	2.31	2.68	2.47
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.5	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	98.78	98.78	98.78
8	Total Alkalinity, (mg/L)	200.00	600.00	88.20	88.20	88.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD-I, P.H.E. Dte.

Sd/-
Executive Engineer
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 – IX

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

Date of Testing: 26.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.02	7.01	7.06	7.08
2	Temperature(degree C)	----	----	26.7	26.7	26.8	26.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	124.4	124.1	124.3	124.1
4	Turbidity, (NTU)	1.00	5.00	2.52	2.69	2.04	2.14
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.5	0.4	0.23	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	98.78	98.78	98.78	98.78
8	Total Alkalinity, (mg/L)	200.00	600.00	88.20	88.20	88.20	88.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD-I, P.H.E. Dte.

Sd/-
Executive Engineer
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: 31.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AE- 106	AB - 13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.24	6.80	7.11	7.13	7.16	7.20
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	123.8	122.8	122.8	122.9	122.6	123.2
4	Turbidity (NTU)	1.00	5.00	0.82	2.41	1.12	1.31	0.93	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.00	0.4	0.35	0.15	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	119.36	119.36	119.36	119.36	119.36	119.36
8	Total Alkalinity (mg/L)	200.00	600.00	88.20	88.20	88.20	88.20	88.20	88.20

O.H.R. – OVER HEAD RESERVOIR ,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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 - IV

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

Date of Testing: 31.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BF-79	BB-50	BC-105
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.13	7.18	7.20	7.21	7.22	7.23
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	123.4	122.6	123.0	123.2	123.2	123.0
4	Turbidity (NTU)	1.00	5.00	0.73	0.69	1.22	0.87	1.15	1.13
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.35	0.3	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	107.74	107.74	107.74	107.74	107.74	107.74
8	Total Alkalinity (mg/L)	200.00	600.00	88.20	88.20	88.20	88.20	88.20	88.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
NTKD - I P.H.E. Dte.

ACTION AREA – II
(AUGUST' 2021)

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: 04.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	NKDA Mkt	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.26	7.28	7.29	7.29	7.31	7.31
2	Temperature (degree C)	----	----	26.9	26.9	26.9	26.9	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	109.6	109.0	107.8	110.0	111.0	111.0	110.4
4	Turbidity (NTU)	1.00	5.00	2.78	2.85	2.13	2.78	2.48	2.26	2.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.45	0.2	0.35	0.25	0.15	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	103.60	103.60	103.60	107.74	107.74	107.74	107.74
8	Total Alkalinity (mg/L)	200.00	600.00	82	82	82	82	86.10	86.10	82

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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)

Date of Testing: 04.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.34	7.33	7.31
2	Temperature (degree C)	----	----	26.9	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	109.9	109.2	109.5	109.2
4	Turbidity (NTU)	1.00	5.00	2.86	2.25	2.76	2.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	107.74	107.74	107.74	107.74
8	Total Alkalinity (mg/L)	200.00	600.00	82	82	82	82

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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 – VI

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

Date of Testing: 04.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	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.	6.5-8.5	6.5-8.5	7.32	7.33	7.31	7.32
2	Temperature (degree C)	----	----	26.9	26.9	26.9	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	112.3	112.3	110.0	110.6
4	Turbidity (NTU)	1.00	5.00	2.48	2.44	2.21	2.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.7	0.45	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	107.74	107.74	107.74	107.74
8	Total Alkalinity (mg/L)	200.00	600.00	82	82	82	82

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 06.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)
				AA – IIG, ZONE – XI
				OUTLET OF O.H.R
A. Physico-chemical Test Results:				
1	pH Value.	6.5-8.5	6.5-8.5	7.25
2	Temperature (degree C)	----	----	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	109.0
4	Turbidity (NTU)	1.00	5.00	2.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5
6	Odour	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:				
7	Total Hardness (mg/L)	200.00	600.00	107.74
8	Total Alkalinity (mg/L)	200.00	600.00	90.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 16.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	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.	6.5-8.5	6.5-8.5	7.21	7.22	7.22
2	Temperature (degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	116.6	117.2	117.5
4	Turbidity (NTU)	1.00	5.00	1.29	1.94	1.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	99.46	95.31	95.31
8	Total Alkalinity (mg/L)	200.00	600.00	73.80	73.80	77.90

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 16.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIB, ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHHA	NKDA MARKET	ECO URBAN VILLAGE
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.26	7.27	7.26	7.24	7.21	7.20
2	Temperature (degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	117.7	116.5	117.6	117.8	117.6	117.0	117.0
4	Turbidity (NTU)	1.00	5.00	1.60	1.28	1.30	1.81	1.91	1.79	1.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.4	0.2	0.25	0.35	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	99.46	95.31	99.46	99.46	99.46	95.31	95.31
8	Total Alkalinity (mg/L)	200.00	600.00	77.90	73.80	77.90	77.90	77.90	73.80	73.80

O.H.R. – OVER HEAD RESERVOIR ,

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 26.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				AA – IIG, ZONE – XI	
				INLET OF O.H.R.	OUTLET OF O.H.R.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	6.86	6.88
2	Temperature (degree C)	----	----	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.7	124.4
4	Turbidity (NTU)	1.00	5.00	2.61	2.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	98.78	98.78
8	Total Alkalinity (mg/L)	200.00	600.00	88.20	88.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
 Assistant Engineer
 NTKD - I P.H.E. Dte.

Sd/-
 Executive Engineer
 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: 27.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	NKDA Mkt	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	6.98	7.10	7.03	6.97	7.05	6.98	7.08
2	Temperature (degree C)	----	----	26.7	26.7	26.7	26.7	26.7	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.3	123.9	125.6	124.9	123.5	124.8	124.0
4	Turbidity (NTU)	1.00	5.00	1.97	2.66	1.51	2.04	2.65	1.11	2.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	0.15	0.1	<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)	200.00	600.00	98.78	98.78	102.90	98.78	102.90	102.90	102.90
8	Total Alkalinity (mg/L)	200.00	600.00	84	84	84	88.20	88.20	88.20	88.20

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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: 27.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.06	7.18	7.14	7.16
2	Temperature (degree C)	----	----	26.7	26.8	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	123.0	121.8	123.9	124.1
4	Turbidity (NTU)	1.00	5.00	2.17	2.51	2.36	2.25
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.3	0.2	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	107.01	102.90	102.90	102.90
8	Total Alkalinity (mg/L)	200.00	600.00	88.20	84	84	88.20

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 – II D, ZONE – VI

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

Date of Testing: 27.08.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	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.	6.5-8.5	6.5-8.5	7.10	7.24	7.26	7.23
2	Temperature (degree C)	----	----	26.7	26.7	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.3	124.0	123.9	123.8
4	Turbidity (NTU)	1.00	5.00	2.66	2.43	2.31	2.22
5	Residual Free Chlorine (mg/L)	0.20	1.00	<0.1	0.1	<0.1	<0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	98.78	102.90	102.90	107.01
8	Total Alkalinity (mg/L)	200.00	600.00	88.20	88.20	88.20	88.20

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