

**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
SEPTEMBER' 2023**

ACTION AREA – I
(SEPTEMBER' 2023)

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, O.H.R - II

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

Date of Testing: 01.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - II							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AB-13	AE-80	AE-68
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.26	7.28	7.32	7.31	7.35	7.32	7.40	7.41
2	Temperature (degree C)	----	----	26.2	26.1	26.2	26.3	26.3	26.4	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.1	133.3	132.9	132.5	132.6	132.1	132.5	132.0
4	Turbidity (NTU)	1.00	5.00	1.58	1.72	1.68	1.89	1.76	1.64	1.91	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.1	0.1	0.2	0.3	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	116.70	112.54	112.54	112.54	112.54	112.54	112.54	112.54
8	Total Alkalinity (mg/L)	200.00	600.00	95.48	95.48	95.48	91.14	91.14	91.14	95.48	95.48

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – I, O.H.R – VII

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

Date of Testing: 04.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DC-182
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.19	7.20	7.18	7.19	7.20	7.22	7.24
2	Temperature(degree C)	----	----	26.2	26.2	26.3	26.3	26.2	26.3	26.3
3	Total Dissolved Solid.	500.00	2000.00	132.0	132.1	131.8	132.1	132.1	131.6	131.8
4	Turbidity, (NTU)	1.00	5.00	1.81	1.97	1.92	1.89	1.96	1.82	1.98
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.1	0.1	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)	200.00	600.00	112.54	112.54	116.70	116.70	116.70	116.70	116.70
8	Total Alkalinity, (mg/L)	200.00	600.00	95.48	95.48	91.14	91.14	91.14	91.14	91.14
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	17.23	17.23	17.23	17.23	17.23	17.23	17.23
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	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/-
Junior Engineer
NTKD - I P.H.E. Dte.

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

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

Date of Testing: 04.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - VIII							
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222	DC-16	DC-12
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.21	7.23	7.24	7.22	7.24	7.22	7.24
2	Temperature (degree C)	----	----	26.3	26.4	26.4	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	132.3	132.1	132.1	132.0	131.7	132.0	132.1	132.0
4	Turbidity (NTU)	1.00	5.00	1.99	1.85	1.94	1.86	1.95	1.97	1.91	1.86
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.1	0.3	0.3	0.2	0.1
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	116.70	112.54	112.54	116.70	116.70	116.70	116.70	116.70
8	Total Alkalinity. (mg/L)	200.00	600.00	95.48	91.14	86.80	86.80	86.80	86.80	91.14	86.80
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	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23
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

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

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

Sd/-
Junior 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, O.H.R - IV

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

Date of Testing: 07.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BD-96	BD-88
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.14	7.16	7.19	7.21	7.24	7.28	7.26	7.22
2	Temperature(degree C)	----	----	26.4	26.3	26.3	26.4	26.5	26.5	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.4	132.0	132.2	132.0	131.8	132.0	132.0	131.9
4	Turbidity (NTU)	1.00	5.00	1.90	1.99	1.66	1.99	1.48	1.70	1.44	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.2	0.3	0.1	0.3	0.3
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	112.54	112.54	112.54	112.54	112.54	112.54	116.70	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	91.14	91.14	91.14	91.14	95.48	95.48	91.14	91.14
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	17.23	17.23	19.14	19.14	19.14	17.23	19.14	19.14
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

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

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

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

Sd/-
Executive Engineer
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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

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

Date of Testing: 07.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.16	7.20	7.18
2	Temperature(degree C)	----	----	26.2	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.3	132.5	132.2	131.9
4	Turbidity (NTU)	1.00	5.00	1.29	1.52	1.71	1.89
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	112.54	116.70	112.54	112.54
8	Total Alkalinity (mg/L)	200.00	600.00	91.14	91.14	91.14	91.14
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.23	19.14	19.14	19.14
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, O.H.R – V

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

Date of Testing: 08.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - V							
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA-66	CA-56
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.16	7.18	7.19	7.21	7.20	7.25	7.28	7.29
2	Temperature (degree C)	----	----	26.3	26.3	26.2	26.3	26.2	26.4	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.3	132.2	131.6	133.0	132.2	132.1	131.8	132.0
4	Turbidity (NTU)	1.00	5.00	1.28	1.73	1.82	1.90	1.89	1.70	1.84	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.1	0.4	0.2	0.2	0.3
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	116.70	112.54	112.54	112.54	112.54	112.54	112.54	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	99.82	95.48	95.48	95.48	95.48	95.48	91.14	95.48

O.H.R. - OVER HEAD RESERVOIR,

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

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Junior Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I , O.H.R – VI
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 08.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VI						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE-74	CE-197	CE-76
A. Physico - Chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.33	7.35	7.37	7.39	7.40	7.39
2	Temperature(degree C)	----	----	26.4	26.5	26.5	26.5	26.5	26.6	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.2	131.9	131.8	131.7	131.8	131.7	131.6
4	Turbidity (NTU)	1.00	5.00	1.77	1.65	1.71	1.83	1.76	1.90	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	0.2	0.3	0.3	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	116.70	112.54	112.54	112.54	112.54	112.54	112.54
8	Total Alkalinity (mg/L)	200.00	600.00	95.48	91.14	91.14	91.14	95.48	91.14	91.14

O.H.R. – OVER HEAD RESERVOIR,

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – X

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

Date of Testing: 11.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.30	7.28	7.29
2	Temperature(degree C)	----	----	26.4	26.4	26.3	26.4
3	Total Dissolved Solid(mg/L)	500.00	2000.00	132.9	133.0	133.0	132.9
4	Turbidity, (NTU)	1.00	5.00	1.94	1.58	1.94	1.75
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	116.70	116.70	116.70	112.54
8	Total Alkalinity, (mg/L)	200.00	600.00	95.48	95.48	95.48	95.48
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	15.31	15.31	15.31	15.31
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

TEST REPORT: AA – I, O.H.R – IX
Sub. : Water Testing (Physico-Chemical , Chemical & Bacteriological)

Date of Testing: 11.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.34	7.36	7.41	7.40	7.45
2	Temperature(degree C)	----	----	26.5	26.5	26.5	26.5	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	132.5	132.3	132.2	132.2	132.5
4	Turbidity, (NTU)	1.00	5.00	1.86	1.99	1.93	1.87	1.87
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.2	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	116.70	116.70	116.70	116.70	120.87
8	Total Alkalinity, (mg/L)	200.00	600.00	95.48	91.14	95.48	95.48	95.48
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	15.31	15.31	15.31	15.31	15.31
C. Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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/-
Junior 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, O.H.R - IV

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

Date of Testing: 15.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - IV					
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.51	7.54	7.56	7.55	7.57
2	Temperature(degree C)	----	----	26.6	26.5	26.4	26.4	26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.3	133.4	133.7	134.0	133.9	133.7
4	Turbidity (NTU)	1.00	5.00	1.55	1.37	1.43	1.44	1.67	1.51
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.4	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	116.70	116.70	116.70	116.70	116.70	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	101.66	101.66	101.66	101.66	101.66	101.66

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Junior 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, O.H.R – III

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

Date of Testing: 15.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - III						
				INLET OF O.H.R.	OUTLET OF O.H.R	A/I/C/28	AL/11	AL/1/C/40	AI/153/18	AL/1/C/6
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.59	7.61	7.64	7.63	7.64	7.62
2	Temperature(degree C)	----	----	26.8	26.7	26.7	26.7	26.7	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.8	134.2	134.0	133.7	133.9	133.4	133.3
4	Turbidity, (NTU)	1.00	5.00	1.62	1.54	1.38	1.40	1.30	1.46	1.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.4	0.2	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	112.54	112.54	116.70	116.70	116.70	116.70	116.70
8	Total Alkalinity, (mg/L)	200.00	600.00	106.08	101.66	101.66	101.66	101.66	101.66	101.66

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Junior 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, O.H.R - I

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

Date of Testing: 22.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AD-26
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.44	7.46	7.43	7.44	7.46	7.48
2	Temperature (degree C)	----	----	26.5	26.4	26.4	26.5	26.6	26.5	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.7	131.9	132.0	131.7	132.1	132.0	131.8
4	Turbidity (NTU)	1.00	5.00	1.87	1.35	1.55	1.49	1.88	1.91	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.1	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	108.37	108.37	108.37	108.37	108.37	108.37	108.37
8	Total Alkalinity (mg/L)	200.00	600.00	97.24	97.24	97.24	97.24	97.24	97.24	97.24

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Junior 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, O.H.R - II

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

Date of Testing: 22.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AE-104
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.35	7.34	7.38	7.40	7.39
2	Temperature(degree C)	----	----	26.3	26.3	26.3	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.6	133.0	133.1	132.7	132.6	132.2
4	Turbidity (NTU)	1.00	5.00	1.85	1.71	1.63	1.30	1.26	1.17
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	108.37	112.54	112.54	108.37	108.37	108.37
8	Total Alkalinity (mg/L)	200.00	600.00	97.24	101.66	101.66	97.24	97.24	97.24

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Junior 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, O.H.R – III
Sub. : Water Testing (Physico-chemical & Chemical & Bacteriological)

Date of Testing: 27.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - III							
				INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AI/153/24	AI/1/C/40	AI/153/18	AI-53	AI-68
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.65	7.71	7.79	7.82	7.82	7.79	7.83
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6	26.5	26.5	26.6	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.4	135.2	135.8	136.0	135.7	135.2	135.2	135.1
4	Turbidity, (NTU)	1.00	5.00	1.52	1.57	1.83	1.82	1.88	1.99	1.91	1.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.4	0.3	0.2	0.1	0.2	0.3
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	112.54	108.37	108.37	108.37	108.37	108.37	108.37	108.37
8	Total Alkalinity, (mg/L)	200.00	600.00	97.24	97.24	97.24	97.24	97.24	97.24	97.24	97.24
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	16.97	16.97	16.97	16.97	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	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	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/-
Junior 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, O.H.R – V

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

Date of Testing: 29.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - V					
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-81	CB-08
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.58	7.67	7.79	7.78	7.77
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.4	136.3	136.5	135.9	136.2	135.8
4	Turbidity (NTU)	1.00	5.00	1.51	1.30	1.39	1.21	1.37	1.29
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.1	0.2	0.4	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	120.87	120.87	120.87	120.87	120.87	120.87
8	Total Alkalinity (mg/L)	200.00	600.00	92.82	97.24	92.82	92.82	92.82	101.66
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	1000	16.97	16.97	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/-
Junior 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, O.H.R – VI

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

Date of Testing: 29.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - VI						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/C/97	CE -74	CE-197	CE/I/A/123
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.84	7.81	7.82	7.79	7.77	7.79
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.6	26.8	26.7	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.8	135.7	135.9	135.7	135.5	135.5	135.7
4	Turbidity (NTU)	1.00	5.00	1.49	1.13	1.27	1.36	1.41	1.36	1.39
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	116.70	120.87	120.87	120.87	116.70	116.70	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	106.08	101.66	97.24	101.66	101.66	97.24	97.24
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	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	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	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/-
Junior Engineer
NTKD - I P.H.E. Dte.

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

ACTION AREA – II
(SEPTEMBER' 2023)

**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, O.H.R – 18

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

Date of Testing: 11.09.2023

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, O.H.R – 18	
				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	7.36	7.38
2	Temperature (degree C)	----	----	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.0	131.9
4	Turbidity (NTU)	1.00	5.00	1.61	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	120.87	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	99.82	104.16
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.31	17.22
C. Bacteriological Test Results:					
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF

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

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

**Sd/-
Junior 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, O.H.R – 13

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

Date of Testing: 13.09.2023

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, O.H.R - 13						
				INLET	OUTLET	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	7.26	7.29	7.34	7.39	7.41	7.40	7.33
2	Temperature (degree C)	----	----	26.5	26.5	26.6	26.5	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.3	134.6	133.6	133.5	133.4	133.3	133.4
4	Turbidity (NTU)	1.00	5.00	1.71	1.40	1.46	1.39	1.71	1.67	1.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	116.70	120.87	116.70	116.70	116.70	116.70	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	99.82	104.16	99.82	99.82	99.82	99.82	99.82

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

Sd/-
Junior 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, O.H.R – 11

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

Date of Testing: 13.09.2023

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, O.H.R -11			
				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	7.48	7.50	7.49	7.48
2	Temperature (degree C)	----	----	26.4	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.9	133.4	133.1	133.1
4	Turbidity (NTU)	1.00	5.00	1.64	1.72	1.69	1.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	120.87	116.70	116.70	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	104.16	104.16	99.82	99.82

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Junior 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, O.H.R – 12

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

Date of Testing: 13.09.2023

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, O.H.R - 12			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.36	7.38	7.45	7.40
2	Temperature (degree C)	----	----	26.4	26.2	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.8	133.1	133.5	133.3
4	Turbidity (NTU)	1.00	5.00	1.42	1.70	1.60	1.57
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	116.70	116.70	116.70	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	99.82	99.82	99.82	99.82

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Junior 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, O.H.R – 13

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

Date of Testing: 21.09.2023

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, O.H.R - 13						
				INLET	OUTLET	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	7.19	7.21	7.25	7.28	7.27	7.31	7.32
2	Temperature (degree C)	----	----	26.1	26.1	26.0	26.0	26.1	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.1	132.4	132.3	132.2	132.2	132.3	132.0
4	Turbidity (NTU)	1.00	5.00	1.97	1.96	1.94	1.97	1.97	1.92	1.98
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	112.54	108.37	112.54	112.54	112.54	112.54	116.70
8	Total Alkalinity (mg/L)	200.00	600.00	106.08	101.66	101.66	101.66	97.24	97.24	97.24
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.08	16.97	16.97	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	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

N.F- NOT FOUND,

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

Sd/-
Junior 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, O.H.R – 11

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

Date of Testing: 21.09.2023

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, O.H.R - 11			
				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	7.28	7.30	7.32	7.35
2	Temperature (degree C)	----	----	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.5	131.8	131.8	131.8
4	Turbidity (NTU)	1.00	5.00	1.99	1.69	1.78	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	108.37	112.54	112.54	108.37
8	Total Alkalinity (mg/L)	200.00	600.00	106.08	101.66	101.66	101.66
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.08	15.08	15.08	15.08
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

Sd/-
Junior 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, O.H.R – 12

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

Date of Testing: 21.09.2023

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, O.H.R - 12			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.20	7.22	7.24
2	Temperature (degree C)	----	----	26.2	26.2	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.6	131.8	131.8	131.9
4	Turbidity (NTU)	1.00	5.00	1.83	1.99	1.99	1.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.2	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	108.37	112.54	108.37	112.54
8	Total Alkalinity (mg/L)	200.00	600.00	101.66	101.66	97.24	101.66
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	15.08	16.97	16.97
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

Sd/-
Junior 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, O.H.R – 17

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

Date of Testing: 26.09.2023

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, O.H.R – 17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	CBD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.76	7.73	7.72
2	Temperature (degree C)	----	----	26.4	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.0	135.6	134.7
4	Turbidity (NTU)	1.00	5.00	1.78	1.89	1.79
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	108.37	108.37	108.37
8	Total Alkalinity (mg/L)	200.00	600.00	97.24	97.24	97.24
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	16.97	16.97	16.97
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

Sd/-
Junior 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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II B, O.H.R – 15

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

Date of Testing: 26.09.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R – 15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.70	7.71	7.75	7.74	7.73	7.71	7.72	7.74
2	Temperature (degree C)	----	----	26.2	26.2	26.3	26.2	26.2	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500	2000	139.1	138.0	137.9	137.1	134.6	135.6	135.4	137.1
4	Turbidity (NTU)	1.00	5.00	1.87	1.76	1.81	1.91	1.99	1.47	1.53	1.38
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2	0.2	0.4	0.3	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	112.54	108.37	108.37	108.37	108.37	108.37	108.37	112.54
8	Total Alkalinity (mg/L)	200.00	600.00	101.66	97.24	97.24	97.24	97.24	97.24	97.24	97.24
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	1000	16.97	16.97	16.97	16.97	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	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	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/-
Junior Engineer
NTKD - I P.H.E. Dte.

Sd/-
Executive Engineer
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