

**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
JULY' 2022**

ACTION AREA – I
(JULY' 2022)

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: 04.07.2022

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/B/125	CE/I/B/107	CE-197	CE-201
A. Physico - Chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.92	7.92	7.91	7.90	7.90	7.89	7.87
2	Temperature(degree C)	----	----	26.7	26.6	26.6	26.4	26.4	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.0	130.7	134.9	132.0	132.7	132.7	132.0
4	Turbidity (NTU)	1.00	5.00	1.81	1.92	1.87	1.86	1.93	1.88	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.1	0.3	0.4	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	119.21	127.16	127.16	127.16	127.16	127.16	131.13
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	89.76	89.76	89.76	89.76	85.68

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 – III

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

Date of Testing: 04.07.2022

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.	A/1/C/28	NKDA Off.	AL/1/C/40	AI/54
A. Physico-chemical Test Results :									
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.98	7.98	7.97	7.94	7.93
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	132.4	134.3	133.9	133.8	133.4	133.6
4	Turbidity, (NTU)	1.00	5.00	1.93	1.71	1.94	1.83	1.91	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.4	0.2	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	127.16	131.13	127.16	127.16	127.16	131.13
8	Total Alkalinity, (mg/L)	200.00	600.00	89.76	89.76	89.76	93.84	93.84	96.60

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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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 & Bacteriological)

Date of Testing: 05.07.2022

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.	DC-57	HIDCO ADMIN BUILDING	DF - 94	DC-248	DC-115
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.98	7.89	7.94	7.97	7.98
2	Temperature(degree C)	----	----	26.7	26.8	26.8	26.7	26.8	26.8
3	Total Dissolved Solid.	500.00	2000.00	129.8	131.0	132.7	131.1	130.9	130.3
4	Turbidity, (NTU)	1.00	5.00	1.77	1.81	1.94	1.82	1.89	1.61
5	Residual Free Chlorine	0.20	1.00	0.3	0.3	0.1	0.2	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	107.28	127.16	127.16	127.16	131.13	127.16
8	Total Alkalinity, (mg/L)	200.00	600.00	85.68	89.76	89.76	89.76	89.76	89.76
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	16.97	16.97	16.97	16.97	16.97	16.97
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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
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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: 05.07.2022

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.89	7.91	7.94	7.97	7.97
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.7	26.7	26.7
3	Total Dissolved Solid.	500.00	2000.00	131.3	131.9	131.4	130.8	130.7	130.8
4	Turbidity (NTU)	1.00	5.00	1.97	1.86	1.77	1.89	1.80	1.90
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.1	0.2	0.1	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	123.18	111.26	127.16	127.16	127.16	127.16
8	Total Alkalinity. (mg/L)	200.00	600.00	85.68	81.60	89.76	89.76	89.76	89.76
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	15.09	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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 06.07.2022

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	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.71	7.78	7.80
2	Temperature(degree C)	----	----	25.8	26.0	25.9	25.6
3	Total Dissolved Solid(mg/L)	500.00	2000.00	135.5	136.0	137.4	137.0
4	Turbidity, (NTU)	1.00	5.00	1.84	1.92	1.72	1.71
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	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	123.18	115.23	115.23	119.21
8	Total Alkalinity, (mg/L)	200.00	600.00	85.68	85.68	89.76	89.76

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, ZONE – IX
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 06.07.2022

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.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.78	7.80	7.78	7.79
2	Temperature(degree C)	----	----	25.4	25.4	25.3	25.4	25.0
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	135.1	134.6	135.2	135.3	134.8
4	Turbidity, (NTU)	1.00	5.00	2.49	2.46	2.05	2.70	2.43
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	123.18	127.16	131.13	131.13	127.16
8	Total Alkalinity, (mg/L)	200.00	600.00	85.68	85.68	89.76	89.76	89.76

O.H.R. – OVER HEAD RESERVOIR

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 07.07.2022

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	AA-136
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.79	7.91	7.89	7.91	7.91	7.91
2	Temperature (degree C)	----	----	25.8	25.8	26.3	26.4	26.2	25.8	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.5	130.8	130.9	131.3	130.4	130.7	130.3
4	Turbidity (NTU)	1.00	5.00	1.57	1.94	1.69	1.99	1.80	1.87	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.4	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	119.21	123.18	123.18	123.18	119.21	115.23	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	81.60	85.68	85.68	85.68	81.60	81.60	81.60
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	16.97	15.09	15.09	15.09	15.09
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE - II

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

Date of Testing: 07.07.2022

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	AB-72	AB-13	AE-52	AE-65
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.87	7.86	7.87	7.87	7.90	7.90	7.92
2	Temperature(degree C)	----	----	26.1	26.1	26.0	26.2	26.0	26.0	26.0	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.5	131.0	131.4	131.8	131.6	131.6	131.4	130.7
4	Turbidity (NTU)	1.00	5.00	1.92	1.78	1.87	1.94	1.81	1.31	1.55	1.51
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.2	0.4	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	115.23	119.21	123.18	123.18	123.18	123.18	123.18	119.21
8	Total Alkalinity (mg/L)	200.00	600.00	81.60	85.68	81.60	85.68	85.68	85.68	85.68	85.68
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	15.09	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.

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Assistant Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA –I
Sub. :Water Testing (Physico-Chemical & Chemical)

Date of Testing: 12.07.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO	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	7.56	7.57	7.57	7.59
2	Temperature(degree C)	----	----	25.6	25.6	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	126.9	129.1	130.1	129.6
4	Turbidity (NTU)	1.00	5.00	1.53	1.21	1.89	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.2	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	111.26	111.26	115.23	111.26
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	89.76	89.76	85.68

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

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Assistant Engineer
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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: 12.07.2022

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.	DC-57	DE-118	DC-248
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.82	7.88	7.89
2	Temperature(degree C)	----	----	25.5	25.5	25.5	25.5
3	Total Dissolved Solid.	500.00	2000.00	124.4	127.9	125.8	127.8
4	Turbidity, (NTU)	1.00	5.00	1.63	1.73	1.27	1.88
5	Residual Free Chlorine	0.20	1.00	0.3	0.3	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	119.21	111.26	115.23	111.26
8	Total Alkalinity, (mg/L)	200.00	600.00	89.76	85.68	85.68	89.76

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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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: 12.07.2022

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.77	7.73	7.73	7.74	7.71
2	Temperature(degree C)	----	----	25.5	25.3	25.4	25.4	25.5	25.3
3	Total Dissolved Solid.	500.00	2000.00	123.5	125.7	126.1	126.1	126.0	125.8
4	Turbidity. (NTU)	1.00	5.00	1.97	1.49	1.83	1.62	1.71	1.75
5	Residual Free Chlorine	0.20	1.00	0.4	0.6	0.2	0.2	0.3	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	111.26	115.23	115.23	115.23	111.26	111.26
8	Total Alkalinity. (mg/L)	200.00	600.00	85.68	89.76	89.76	89.76	85.68	85.68

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 - I

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

Date of Testing: 13.07.2022

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
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.67	7.72	7.74	7.75	7.76	7.75
2	Temperature(degree C)	----	----	26.3	26.4	26.5	26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.6	125.0	125.2	125.1	125.2	125.1
4	Turbidity (NTU)	1.00	5.00	1.09	1.46	1.37	1.27	1.23	1.28
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.2	0.4	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	111.26	107.28	111.26	107.28	107.28	87.41
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	93.84	85.68	89.76	85.68

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: 13.07.2022

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.	AE-80	BA - 120	AB- 72	AB - 13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.75	7.81	7.82	7.80	7.79
2	Temperature(degree C)	----	----	26.4	26.5	26.5	26.4	26.4	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	142.8	126.7	126.7	127.8	125.8	126.0
4	Turbidity (NTU)	1.00	5.00	1.98	2.35	2.23	2.29	2.15	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.2	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	131.13	111.26	107.29	111.26	111.26	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	85.68	89.76	89.76	89.76	89.76

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 – V

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

Date of Testing: 14.07.2022

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	CA-56	CA-81	CB-08
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.62	7.71	7.75	7.72	7.75
2	Temperature(degree C)	----	----	26.8	26.8	26.7	26.8	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.9	125.6	126.1	125.8	126.3	127.8
4	Turbidity (NTU)	1.00	5.00	1.37	1.27	1.39	1.99	1.27	1.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.3	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	111.26	111.26	115.23	111.26	115.23	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	89.76	89.76	89.76	89.76	85.68
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	15.08	15.08	15.08	15.08	16.97	16.97
C .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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
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 & Bacteriological)

Date of Testing: 14.07.2022

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	BF-79
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.82	7.74	7.79	7.92	7.80	7.76
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.9	27.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.0	126.2	127.2	126.2	125.2	124.7	125.5
4	Turbidity (NTU)	1.00	5.00	1.15	1.83	1.83	1.93	1.98	1.75	1.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.3	0.1	0.2	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	119.21	119.21	123.18	123.18	123.18	119.21	115.23
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	89.76	89.76	89.76	85.68	89.76
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

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
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: 15.07.2022

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/I/C/47	CE-197
A. Physico - Chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.67	7.68	7.74	7.75	7.73
2	Temperature(degree C)	----	----	25.8	25.8	25.8	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	122.1	122.4	123.2	122.0	122.4	125.0
4	Turbidity (NTU)	1.00	5.00	1.24	1.83	1.93	1.89	1.66	1.99
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.4	0.3	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	120.48	120.48	120.48	116.46	116.46	112.45
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	94.16	94.16	89.88	89.88	89.88

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.

1 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 – III

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

Date of Testing: 15.07.2022

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	A/1/C/28	NKDA Off.	AL/1/C/40	AI/153/18	AI-16
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.54	7.72	7.68	7.68	7.67	7.66	7.67
2	Temperature(degree C)	----	----	26.5	26.5	26.7	26.2	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.9	125.8	125.8	117.8	118.6	120.2	118.5
4	Turbidity, (NTU)	1.00	5.00	1.31	1.73	1.90	1.82	1.92	1.80	1.21
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4	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	108.43	120.48	108.43	108.43	108.43	112.45	108.43
8	Total Alkalinity, (mg/L)	200.00	600.00	89.88	85.60	85.60	85.60	85.60	85.60	85.60

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

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

Date of Testing: 20.07.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO	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	7.35	7.36	7.35	7.32
2	Temperature(degree C)	----	----	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.0	128.0	128.6	127.4
4	Turbidity (NTU)	1.00	5.00	1.40	1.29	1.38	1.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	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	124.49	120.48	124.49	124.49
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	94.16	94.16	94.16
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	22.63	20.74	22.63	20.74
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

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 - II

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

Date of Testing: 21.07.2022

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 STAND	BA - 120	AB- 72	AB - 13	AE-60	AE-79
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.56	7.57	7.62	7.63	7.64	7.64	7.64
2	Temperature(degree C)	----	----	26.9	26.9	26.9	26.7	26.8	26.5	26.6	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.6	126.1	126.1	126.1	125.3	125.6	125.6	125.5
4	Turbidity (NTU)	1.00	5.00	1.97	1.92	1.93	1.95	1.98	1.85	1.91	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.4	0.3	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	112.45	116.46	116.46	112.45	116.46	112.45	112.45	112.45
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	94.16	94.16	94.16	89.88	94.16	94.16	94.16

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 - I

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

Date of Testing: 22.07.2022

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	AC-37
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.74	7.74	7.76	7.71	7.74	7.72	7.75
2	Temperature(degree C)	----	----	25.2	25.2	25.2	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.1	125.6	125.7	127.0	127.0	125.0	126.2
4	Turbidity (NTU)	1.00	5.00	1.78	1.95	1.79	1.80	1.88	1.74	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.2	0.3	0.2	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	112.45	104.42	100.40	104.42	108.43	104.42	104.42
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	94.16	94.16	94.16	94.16	94.16	94.16

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 & Bacteriological)

Date of Testing: 25.07.2022

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	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.49	7.50	7.51
2	Temperature(degree C)	----	----	25.2	25.2	25.2	25.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	130.8	129.6	130.4	130.2
4	Turbidity, (NTU)	1.00	5.00	2.51	2.65	2.06	2.79
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	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	120.48	112.45	120.48	120.48
8	Total Alkalinity, (mg/L)	200.00	600.00	94.16	89.88	94.16	94.16
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	13.20	11.32	13.20	13.20
C. Bacteriological Test Results :							
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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/-
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 & Bacteriological)

Date of Testing: 25.07.2022

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.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.47	7.42	7.40	7.39
2	Temperature(degree C)	----	----	25.2	25.2	25.2	25.1	25.1
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	129.7	128.9	129.9	129.5	129.3
4	Turbidity, (NTU)	1.00	5.00	2.83	2.87	2.61	2.34	2.65
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	120.48	120.48	116.46	120.48	120.48
8	Total Alkalinity, (mg/L)	200.00	600.00	89.88	89.88	94.16	94.16	94.16
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	13.20	13.20	13.20	15.09	15.09
C .Bacteriological Test Results :								
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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/-
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: 29.07.2022

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	BF-58	BF-40	BC-141	BC-144
A. Physico-chemical Test Results:													
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.68	7.67	7.70	7.68	7.71	7.72	7.70	7.71	7.73
2	Temperature(degree C)	----	----	26.9	26.9	26.8	26.8	26.8	26.6	26.7	26.8	26.8	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.0	125.4	125.9	126.0	125.5	125.4	125.8	125.9	125.6	125.4
4	Turbidity (NTU)	1.00	5.00	1.14	1.26	1.19	1.22	1.17	1.25	1.32	1.20	1.57	1.13
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:													
7	Total Hardness (mg/L)	200.00	600.00	124.50	120.48	120.48	120.48	124.50	124.50	124.50	124.50	124.50	120.48
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	94.16	94.16	94.16	89.88	89.88	89.88	89.88	89.88	94.16

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
(JULY' 2022)

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: 06.07.2022

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.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.75	7.78
2	Temperature (degree C)	----	----	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	134.8	134.2	134.4
4	Turbidity (NTU)	1.00	5.00	1.33	1.81	1.56
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	119.21	119.21	123.18
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	81.60	81.60

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 – IIA, ZONE – X

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

Date of Testing: 08.07.2022

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	7.77	7.80	7.74
2	Temperature (degree C)	----	----	26.5	26.5	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	133.5	132.9	132.6
4	Turbidity (NTU)	1.00	5.00	1.17	1.52	1.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	123.18	123.18	127.16
8	Total Alkalinity (mg/L)	200.00	600.00	89.76	89.76	89.76

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: 08.07.2022

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	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.70	7.67	7.66	7.66	7.70	7.72	7.75
2	Temperature (degree C)	----	----	26.6	26.8	26.8	26.6	26.4	26.4	26.7	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	132.1	133.3	131.9	131.6	131.6	133.8	120.8	133.3
4	Turbidity (NTU)	1.00	5.00	1.93	2.56	1.96	1.97	1.82	2.77	2.08	2.13
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.1	0.1	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	119.21	123.18	119.21	119.21	119.21	123.18	119.21	123.18
8	Total Alkalinity (mg/L)	200.00	600.00	85.68	89.76	85.68	85.68	89.76	89.76	89.76	89.76

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: 19.07.2022

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	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	7.36	7.48	7.51	7.52	7.53	7.54	7.62
2	Temperature (degree C)	----	----	25.8	25.6	25.6	25.6	25.6	25.6	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	126.6	126.8	128.7	126.2	128.2	128.1	126.7
4	Turbidity (NTU)	1.00	5.00	1.81	2.27	1.60	2.40	2.04	1.86	2.61
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	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	112.45	116.46	112.45	108.43	112.45	112.45	108.43
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	85.60	89.88	85.60	89.88	89.88	85.60

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: 19.07.2022

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	7.44	7.51	7.53
2	Temperature (degree C)	----	----	25.7	25.8	26.1	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.8	126.3	126.2	126.0
4	Turbidity (NTU)	1.00	5.00	2.34	2.32	2.86	2.88
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	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	112.45	108.43	112.45	108.43
8	Total Alkalinity (mg/L)	200.00	600.00	85.60	85.60	89.88	85.60

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 – VI

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

Date of Testing: 19.07.2022

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 GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.03	7.16	7.18	7.20
2	Temperature (degree C)	----	----	25.7	25.7	25.7	25.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.1	126.3	126.4	126.2
4	Turbidity (NTU)	1.00	5.00	2.52	2.23	2.83	2.30
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	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	112.45	120.48	116.46	112.45
8	Total Alkalinity (mg/L)	200.00	600.00	85.60	89.88	85.60	89.88

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 & Bacteriological)**

Date of Testing: 20.07.2022

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.	HAJ TOWER
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.56	7.49
2	Temperature (degree C)	----	----	25.7	25.8	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.7	126.8	126.6
4	Turbidity (NTU)	1.00	5.00	1.20	1.83	1.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	128.52	124.50	124.50
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	94.16	94.16
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	20.74	22.63
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/-
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 & Bacteriological)

Date of Testing: 25.07.2022

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.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.18	7.19	7.21
2	Temperature (degree C)	----	----	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	131.9	126.9	128.2
4	Turbidity (NTU)	1.00	5.00	2.00	2.48	2.74
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	116.46	112.45	112.45
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	89.88	89.88
9	Iron(mg/L)	250.00	1000.00	<0.1	<0.1	<0.1
10	Chloride (mg/L)	1.0	No Relaxation	15.09	13.20	13.20
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/-
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 & Bacteriological)

Date of Testing: 28.07.2022

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	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	7.31	7.36	7.42	7.43	7.45	7.46	7.51
2	Temperature (degree C)	----	----	25.3	25.3	25.2	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.6	128.9	128.2	128.5	128.0	128.4	128.2
4	Turbidity (NTU)	1.00	5.00	2.90	2.60	2.94	2.17	2.21	2.85	2.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	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	116.46	112.45	112.45	120.48	112.45	116.46	116.46
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	89.88	89.88	94.16	89.88	89.88	89.88
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	13.20	13.20	13.20	15.09	13.20	13.20	13.20
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/-
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 & Bacteriological)

Date of Testing: 28.07.2022

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	7.60	7.63	7.63	7.64
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.0	128.8	129.0	128.7
4	Turbidity (NTU)	1.00	5.00	2.79	2.21	2.86	2.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	116.46	112.45	108.43	112.45
8	Total Alkalinity (mg/L)	200.00	600.00	89.88	85.60	89.88	94.16
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	13.20	13.20	13.20	15.09
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/-
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 – VI

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

Date of Testing: 28.07.2022

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 GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.55	7.50	7.57	7.62
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	130.9	128.1	128.0	127.9
4	Turbidity (NTU)	1.00	5.00	2.86	2.02	2.12	2.39
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	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	120.48	112.45	116.46	112.45
8	Total Alkalinity (mg/L)	200.00	600.00	94.16	89.88	89.88	85.60
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	15.09	13.20	13.20	13.20
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

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