

**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
MAY' 2022**

ACTION AREA – I
(MAY' 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 - I

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

Date of Testing: 06.05.2022

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 - 26	AA- 05	AC - 107	AC - 50
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.71	7.72	7.72	7.72	7.72
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.6	179.0	179.4	179.3	179.3	179.0
4	Turbidity (NTU)	1.00	5.00	1.20	1.19	1.21	1.07	1.36	1.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.6	0.35	0.3	0.45	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	143.23	143.23	139.36	139.36	139.36	139.36
8	Total Alkalinity (mg/L)	200.00	600.00	131.44	131.44	127.20	127.20	127.20	127.20

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
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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)

Date of Testing: 10.05.2022

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.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DF- 94	DC-248	DC-174	DC-175	DC-159
A. Physico-chemical Test Results:												
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.55	7.57	7.59	7.60	7.63	7.61	7.63	7.71
2	Temperature(degree C)	----	----	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid.	500.00	2000.00	175.2	175.2	175.4	177.1	174.9	174.9	175.1	175.0	175.1
4	Turbidity, (NTU)	1.00	5.00	0.97	1.01	1.12	1.81	0.83	0.82	1.21	1.04	1.13
5	Residual Free Chlorine	0.20	1.00	0.35	0.5	0.4	0.1	0.45	0.3	0.3	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:												
7	Total Hardness, (mg/L)	200.00	600.00	131.62	131.62	131.62	127.75	131.62	131.62	135.49	135.49	135.49
8	Total Alkalinity, (mg/L)	200.00	600.00	131.44	131.44	131.44	131.44	131.44	131.44	131.44	131.44	131.44

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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: 11.05.2022

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	DC-10	DC-15	DA-96
A. Physico-chemical Test Results:												
1	pH Value.	6.5-8.5	6.5-8.5	7.43	7.57	7.06	7.52	7.52	7.54	7.59	7.61	7.62
2	Temperature(degree C)	----	----	25.7	25.4	25.4	25.0	25.3	25.2	25.2	25.2	24.8
3	Total Dissolved Solid.	500.00	2000.00	174.2	174.7	181.4	176.0	175.0	174.5	174.3	174.1	174.2
4	Turbidity. (NTU)	1.00	5.00	1.80	1.04	1.04	1.12	1.24	1.15	0.63	0.93	0.97
5	Residual Free Chlorine	0.20	1.00	0.8	0.45	0.3	0.25	0.3	0.35	0.25	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:												
7	Total Hardness. (mg/L)	200.00	600.00	139.36	139.36	143.23	139.36	139.36	139.36	139.36	139.36	139.36
8	Total Alkalinity. (mg/L)	200.00	600.00	127.20	127.20	131.44	127.20	127.20	127.20	127.20	127.20	127.20

O.H.R. – OVER HEAD RESERVOIR

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

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 13.05.2022

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	7.59	7.68	7.67	7.69
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.7
3	Total Dissolved Solid(mg/L)	500.00	2000.00	183.3	183.9	183.9	183.2
4	Turbidity, (NTU)	1.00	5.00	1.45	1.49	1.50	1.12
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.2	0.35	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	143.23	143.23	147.11	147.11
8	Total Alkalinity, (mg/L)	200.00	600.00	131.44	127.20	127.20	127.20
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.63	24.52	24.52	24.52
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
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 13.05.2022

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.	RISHI TOWER	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.72	7.71	7.63	7.61
2	Temperature(degree C)	----	----	26.7	26.7	26.7	26.7
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	183.1	182.8	182.9	183.4
4	Turbidity, (NTU)	1.00	5.00	1.40	1.12	1.14	1.17
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.45	0.25	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	147.11	143.23	143.23	143.23
8	Total Alkalinity, (mg/L)	200.00	600.00	127.20	127.20	127.20	127.20
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	22.63	24.52	24.52	24.52
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
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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 – VI
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 20.05.2022

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 /1/A/97	CE -74	CE/1/C/204
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.90	7.89	7.90	7.84	7.83	7.87
2	Temperature(degree C)	----	----	25.6	25.6	25.8	25.3	25.5	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.3	180.6	181.2	180.6	180.6	179.7
4	Turbidity (NTU)	1.00	5.00	1.14	1.12	0.60	0.69	0.85	0.90
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.3	0.3	0.25	0.2	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	143.23	143.23	143.23	143.23	143.23	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	123.54	127.80	123.54	127.80	127.80	127.80

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Assistant Engineer
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1 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 – III

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

Date of Testing: 20.05.2022

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/153/3
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.84	7.85	7.88	7.89	7.90	7.90	7.95
2	Temperature(degree C)	----	----	26.4	26.5	26.6	26.2	26.2	25.5	25.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.1	181.8	181.5	181.2	180.9	180.4	180.6
4	Turbidity, (NTU)	1.00	5.00	1.34	1.16	1.36	1.26	1.31	1.48	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.25	0.35	0.15	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	147.22	143.23	143.23	143.23	143.23	143.23	143.23
8	Total Alkalinity, (mg/L)	200.00	600.00	127.80	132.06	127.80	127.80	127.80	127.80	127.80

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

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

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 Assistant 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 & Bacteriological)

Date of Testing: 26.05.2022

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	CD-125	CA-81	CA-246	CC-22
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.75	7.79	7.81	7.82	7.84	7.85
2	Temperature(degree C)	----	----	26.7	26.7	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.9	183.9	183.5	182.8	182.1	182.1	181.8
4	Turbidity (NTU)	1.00	5.00	0.62	0.97	1.38	0.91	0.99	1.33	1.74
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.25	0.15	0.4	0.35	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	135.28	131.30	135.28	131.30	131.30	135.28	131.30
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	132.06	127.80	127.80	127.80	132.06	127.80
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	24.52	22.63	22.63	22.63	22.63	22.63	20.74
C .Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 26.05.2022

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					
				CC-19	CC-18	CC-17	CD-26	CD-25	CD-23
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.87	7.86	7.87	7.88	7.84
2	Temperature(degree C)	----	----	26.7	26.8	26.8	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.5	181.4	181.6	180.6	180.4	181.3
4	Turbidity (NTU)	1.00	5.00	1.54	1.08	1.53	1.70	1.97	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.25	0.35	0.3	0.25	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	131.30	135.28	135.28	135.28	135.28	131.30
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	132.06	132.06	132.06	132.06	127.80
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	22.63	20.75	22.63	22.63	22.63	20.75
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

N.F-NOT FOUND

Sd/-
Chemist & Bacteriologist
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 – VII

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

Date of Testing: 27.05.2022

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.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DF- 94	DC-248	DC-105
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.78	7.84	7.86	7.73	7.84	7.87	7.91
2	Temperature(degree C)	----	----	26.7	26.4	26.7	26.8	26.4	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	180.0	179.5	180.6	181.9	180.8	181.5	180.4
4	Turbidity, (NTU)	1.00	5.00	1.06	0.90	1.02	1.53	1.35	1.25	1.20
5	Residual Free Chlorine	0.20	1.00	0.35	0.45	0.4	0.1	0.3	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	131.30	131.30	135.28	135.28	131.30	135.28	131.30
8	Total Alkalinity, (mg/L)	200.00	600.00	123.54	127.80	127.80	123.54	127.80	127.80	127.80

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 – I. ZONE – VIII
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 27.05.2022

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	DC-15	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.73	7.76	7.79	7.82	7.85	7.89
2	Temperature(degree C)	----	----	26.8	26.8	26.8	26.8	26.7	26.7
3	Total Dissolved Solid.	500.00	2000.00	181.7	181.4	181.9	181.5	181.6	181.0
4	Turbidity. (NTU)	1.00	5.00	1.17	1.46	1.22	1.53	1.02	1.30
5	Residual Free Chlorine	0.20	1.00	1.0	0.45	0.25	0.2	0.3	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	135.28	135.28	135.28	131.30	131.30	127.32
8	Total Alkalinity. (mg/L)	200.00	600.00	123.54	127.80	123.54	127.80	123.54	127.80

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 - II

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

Date of Testing: 30.05.2022

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	AA-35	AE-118	AE-130
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.57	7.65	7.69	7.72	7.74	7.73	7.76	7.74
2	Temperature(degree C)	----	----	26.5	26.6	26.6	26.7	26.7	26.7	26.5	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.9	177.8	177.8	178.2	177.9	178.4	177.1	176.4
4	Turbidity (NTU)	1.00	5.00	1.60	1.75	0.99	0.91	1.42	1.05	1.40	1.47
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.35	0.2	0.3	0.25	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	135.28	139.26	139.26	143.24	139.26	139.26	139.26	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	127.80	123.54	123.54	123.54	123.54
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	22.63	22.63	22.63	22.63	22.63	22.63	22.63	22.63
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/-
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: 30.05.2022

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	BB-109
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.77	7.81	7.85	7.86	7.82	7.86	7.84
2	Temperature(degree C)	----	----	26.9	26.9	26.9	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.2	176.6	176.7	177.9	183.1	176.1	182.8
4	Turbidity (NTU)	1.00	5.00	1.20	1.39	1.16	1.29	1.21	1.67	1.53
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.45	0.4	0.15	0.3	0.35	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	139.26	143.24	143.24	143.24	139.26	143.24	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	123.54	127.80	127.80	127.80	127.80	127.80	123.54
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	24.52	24.52	24.52	22.63	22.63	22.63	22.63
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.

ACTION AREA – II
(MAY' 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 – II B, ZONE – IV

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

Date of Testing: 02.05.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE – IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WOODS	ANAHITA	MALANCHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.51	7.56	7.64	7.46	7.42	7.51	7.46	7.47
2	Temperature (degree C)	----	----	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	182.1	181.8	181.0	182.2	182.6	181.4	182.4	180.9
4	Turbidity (NTU)	1/1	5/10	1.02	1.19	1.48	1.63	1.40	1.34	1.56	1.62
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.55	0.4	0.35	0.4	0.3	0.45	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)	200/200	600/600	120.01	123.87	123.87	123.87	123.87	123.87	127.75	123.87
8	Total Alkalinity (mg/L)	200/200	600/600	127.20	127.20	127.20	127.20	127.20	127.20	127.20	127.20
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	24.52	26.40	24.52	24.52	24.52	24.52	24.52	24.52
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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/-
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: 10.05.2022

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	7.69	7.68	7.67
2	Temperature (degree C)	----	----	26.6	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.9	176.5	176.4
4	Turbidity (NTU)	1.00	5.00	0.85	1.26	1.33
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	135.49	135.49	135.49
8	Total Alkalinity (mg/L)	200.00	600.00	127.20	127.20	127.20

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 – IIA, ZONE – X

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

Date of Testing: 13.05.2022

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	7.73	7.75	7.57
2	Temperature (degree C)	----	----	25.8	25.9	27.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.9	183.1	181.8
4	Turbidity (NTU)	1.00	5.00	1.48	1.06	1.29
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.45	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	147.11	143.23	135.49
8	Total Alkalinity (mg/L)	200.00	600.00	127.20	122.96	127.20
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	24.52	24.52	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 – II C, ZONE – I

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

Date of Testing: 18.05.2022

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	7.62	7.78	7.79	7.81	7.83	7.84	7.87
2	Temperature (degree C)	----	----	26.7	26.5	26.5	26.6	26.7	26.6	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.8	184.2	181.7	180.8	181.2	180.7	180.4
4	Turbidity (NTU)	1.00	5.00	1.47	1.70	1.27	1.04	1.97	1.14	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.5	0.3	0.45	0.4	0.25	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	143.23	147.22	143.23	143.23	143.23	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	127.80	127.80	132.06	127.80

N.F- NOT FOUND,

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: 18.05.2022

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	7.80	7.79	7.79	7.80
2	Temperature (degree C)	----	----	26.7	26.8	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.0	181.0	180.9	180.7
4	Turbidity (NTU)	1.00	5.00	1.27	1.74	1.60	1.54
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	147.22	143.23	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	127.80

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 – IID, ZONE – VI

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

Date of Testing: 18.05.2022

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	7.71	7.72	7.75	7.77
2	Temperature (degree C)	----	----	26.6	26.6	26.7	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.0	181.3	181.6	181.1
4	Turbidity (NTU)	1.00	5.00	1.46	1.49	1.66	1.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.00	0.35	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	143.23	143.23	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	127.80	127.80	127.80

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 & Bacteriological)

Date of Testing: 19.05.2022

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	7.57	7.61	7.68
2	Temperature (degree C)	----	----	26.8	26.8	26.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.5	183.2	182.4
4	Turbidity (NTU)	1.00	5.00	0.93	1.54	1.09
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	143.23	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	132.06	132.06	127.80
9	Iron(mg/L)	250.00	1000.00	<0.1	<0.1	<0.1
10	Chloride (mg/L)	1.0	No Relaxation	24.52	24.52	24.52
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 A, ZONE – X

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

Date of Testing: 23.05.2022

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	7.59	7.60	7.62
2	Temperature (degree C)	----	----	25.9	26.1	23.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	182.6	183.1	183.0
4	Turbidity (NTU)	1.00	5.00	1.08	1.31	1.49
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	139.26	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	123.54	123.54	123.54
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	24.52	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 – II B, ZONE – IV

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

Date of Testing: 23.05.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE – IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WOODS	ANAHITA	MALANCHA	NKDA MKT	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5 to 8.5/7.0 to 8.5	6.5 to 8.5/6.5 to 9.2	7.50	7.54	7.43	7.37	7.38	7.49	7.43	7.55
2	Temperature (degree C)	----	----	26.8	26.8	26.3	26.4	26.4	26.4	26.4	26.4
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	185	184.4	185.9	185.1	184.2	183.8	184.3	182.6
4	Turbidity (NTU)	1/1	5/10	0.56	1.54	0.51	0.64	0.61	1.48	0.99	1.23
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.1	0.5	0.3	0.2	0.25	0.35	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)	200/200	600/600	143.23	143.23	143.23	143.23	139.26	135.28	143.23	143.23
8	Total Alkalinity (mg/L)	200/200	600/600	119.28	123.54	123.54	123.54	127.80	123.54	123.54	123.54
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	24.52	26.40	26.40	24.52	24.52	24.52	24.52	24.52
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent/Absent	Absent/Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent/Absent	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/-
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: 25.05.2022

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	7.42	7.48	7.51	7.62	7.63	7.65	7.67
2	Temperature (degree C)	----	----	26.9	26.9	26.9	26.8	26.8	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	183.7	183.7	184.5	183.3	182.9	183.1
4	Turbidity (NTU)	1.00	5.00	1.47	1.71	1.97	1.87	1.99	1.97	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.5	0.3	0.45	0.25	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	139.26	139.26	139.26	143.23	139.26	139.26	139.26
8	Total Alkalinity (mg/L)	200.00	600.00	119.28	127.80	127.80	127.80	132.06	127.80	127.80
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	22.63	20.74	20.74	20.74	20.74	20.74	20.74
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: 25.05.2022

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	7.67	7.64	7.66	7.65
2	Temperature (degree C)	----	----	26.8	26.7	26.5	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.1	183.5	182.7	183.7
4	Turbidity (NTU)	1.00	5.00	1.45	1.41	1.58	1.05
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.5	0.35	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	139.26	143.23	139.26	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	127.80	127.80	127.80	123.54
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	22.63	22.63	20.75
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
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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 – IID, ZONE – VI

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

Date of Testing: 25.05.2022

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	7.35	7.43	7.49	7.51
2	Temperature (degree C)	----	----	26.6	26.6	26.7	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	184.4	183.6	183.1
4	Turbidity (NTU)	1.00	5.00	1.96	1.60	1.44	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.00	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	139.26	143.23	139.26	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	149.10	123.54	123.54	127.80
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	26.40	22.63	22.63	20.75
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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