

**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
DECEMBER' 2021**

ACTION AREA – I
(DECEMBER' 2021)

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

TEST REPORT: ACTION AREA - I, ZONE – V

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

Date of Testing: 01.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - V							
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CC-188	CB-06
A. Physico - chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.45	7.52	7.56	7.61	7.65	7.63	7.64
2	Temperature(degree C)	----	----	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	156.1	156.3	156.1	156.3	156.1	156.3	156.3	156.2
4	Turbidity (NTU)	1.00	5.00	1.10	1.08	0.81	1.31	1.14	1.27	1.16	0.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	133.42	133.42	129.60	133.42	133.42	133.42	133.42	129.60
8	Total Alkalinity (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68	136.68	136.68	136.68	136.68

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

Date of Testing: 03.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VIII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-116	DC-23	DA-88	DB-222	DC-06
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.52	7.53	7.58	7.61	7.65	7.66
2	Temperature(degree C)	----	----	24.7	24.7	24.7	24.7	24.7	24.7	24.7
3	Total Dissolved Solid.	500.00	2000.00	158.8	158.9	159.2	159.1	159.2	159.0	159.2
4	Turbidity (NTU)	1.00	5.00	0.97	0.92	1.34	0.89	0.97	0.96	1.25
5	Residual Free Chlorine	0.20	1.00	0.35	0.55	0.4	0.3	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	137.23	137.23	137.23	137.23	137.23	137.23	137.23
8	Total Alkalinity. (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68	136.68	136.68	136.68
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	17.10	17.10	17.10	17.10	17.10	17.10	17.10
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
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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 – X
Sub. : Water Testing (Physico-Chemical & Chemical)

Date of Testing: 06.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.74	7.71	7.72
2	Temperature(degree C)	----	----	24.8	24.8	24.8	24.8
3	Total Dissolved Solid(mg/L)	500.00	2000.00	158.5	159.2	159.9	160.1
4	Turbidity, (NTU)	1.00	5.00	1.81	1.78	1.97	1.79
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.65	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	137.23	137.23	137.23	137.23
8	Total Alkalinity, (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68

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Sd/-
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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: 06.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.75	7.76	7.79	7.71	7.70
2	Temperature(degree C)	----	----	24.8	24.8	24.8	24.8	24.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	158.9	159.1	159.3	159.9	160.1
4	Turbidity, (NTU)	1.00	5.00	2.71	2.15	1.87	1.81	1.89
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.45	0.35	0.2	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	137.23	137.23	137.23	137.23	137.23
8	Total Alkalinity, (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68	136.68

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA - I, ZONE – VI

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

Date of Testing: 08.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE -74	CE-197
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.86	7.87	7.89	7.91	7.92
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	158.7	159.0	159.5	159.4	159.3	159.1
4	Turbidity (NTU)	1.00	5.00	1.34	1.41	1.61	1.51	1.34	1.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.4	0.35	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	137.23	137.23	137.23	137.23	137.23	137.23
8	Total Alkalinity (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68	136.68	136.68
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	17.10	17.10	17.10	17.10	17.10	17.10
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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 08.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - III						
				INLET OF O.H.R.	OUTLET OF O.H.R	AL/1/C/06	NKDA Off.	AL/1/C/40	AI/153/18	AI/153/23
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.87	7.86	7.89	7.86	7.87	7.86
2	Temperature(degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	158.4	159.1	166.4	160.5	162.3	159.7	159.5
4	Turbidity, (NTU)	1.00	5.00	1.29	1.31	1.39	1.81	1.45	1.64	1.47
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.6	0.3	0.4	0.25	0.45	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	137.23	137.23	141.04	137.23	141.04	141.04	141.04
8	Total Alkalinity, (mg/L)	200.00	600.00	136.68	136.68	140.70	136.68	140.70	140.70	140.70
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	17.10	17.10	19.00	17.10	19.00	17.10	17.10
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.

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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: 09.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO ADMIN BUILDING	DC-181	DF - 94	DC-251
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.65	7.69	7.71	7.70	7.72	7.73	7.74
2	Temperature(degree C)	----	----	24.3	24.3	24.3	24.3	24.3	24.3	24.3
3	Total Dissolved Solid.	500.00	2000.00	170.3	170.5	171.6	172.6	172.0	171.1	170.8
4	Turbidity, (NTU)	1.00	5.00	1.09	0.81	0.72	1.31	1.21	0.86	1.63
5	Residual Free Chlorine	0.20	1.00	0.25	0.55	0.45	0.1	0.4	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	141.04	141.04	141.04	144.85	144.85	141.04	141.04
8	Total Alkalinity, (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68	136.68	136.68	136.68
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	<0.1
10	Chloride (mg/L)	250/200	1000/1000	17.10	17.10	17.10	17.10	17.10	17.10	17.10
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,

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 - IV

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

Date of Testing: 09.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BD-41	BD-34
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.79	7.81	7.83	7.85	7.87	7.87	7.88	7.91
2	Temperature(degree C)	----	----	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.3	171.0	171.1	170.9	170.9	171.0	170.8	171.0
4	Turbidity (NTU)	1.00	5.00	1.13	1.29	1.31	1.35	1.11	0.85	1.29	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.45	0.3	0.2	0.35	0.35	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	141.04	144.86	144.86	141.04	141.04	144.86	144.86	144.86
8	Total Alkalinity (mg/L)	200.00	600.00	136.68	140.70	140.70	140.70	140.70	140.70	136.68	136.68
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	17.10	17.10	17.10	17.10	17.10	17.10	17.10	17.10
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
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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: 10.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - VIII						
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-12	DA-88	DB-222	DC-16
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.52	7.55	7.56	7.57	7.56	7.57	7.58
2	Temperature(degree C)	----	----	24.5	24.5	24.5	24.5	24.5	24.5	24.5
3	Total Dissolved Solid.	500.00	2000.00	170.4	171.0	171.6	171.2	171.4	171.3	171.6
4	Turbidity. (NTU)	1.00	5.00	1.20	1.14	1.11	1.04	1.07	1.08	1.09
5	Residual Free Chlorine	0.20	1.00	0.4	0.65	0.4	0.45	0.4	0.5	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness. (mg/L)	200.00	600.00	137.23	137.23	137.23	137.23	137.23	137.23	137.23
8	Total Alkalinity. (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68	136.68	136.68	136.68

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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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - I

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

Date of Testing: 15.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - I							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC - 50	AC-172	AC-170
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.52	7.55	7.56	7.57	7.59	7.60	7.59
2	Temperature (degree C)	----	----	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.1	172.8	172.5	172.3	172.3	172.8	172.5	172.1
4	Turbidity (NTU)	1.00	5.00	1.35	1.42	1.46	1.65	1.56	1.75	1.53	1.34
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.45	0.35	0.25	0.3	0.35	0.25	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	150.97	147.10	147.10	147.10	147.10	147.10	147.10	147.10
8	Total Alkalinity (mg/L)	200.00	600.00	139.40	135.30	135.30	131.20	135.30	135.30	135.30	135.30
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,

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: 17.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BC-42
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.52	7.53	7.56	7.55	7.57	7.58	7.59
2	Temperature(degree C)	----	----	23.4	23.4	23.4	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.1	175.6	175.9	175.5	176.4	175.6	176.2
4	Turbidity (NTU)	1.00	5.00	1.16	1.21	1.50	1.45	1.52	1.40	1.52
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.25	0.3	0.4	0.35
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	143.23	147.10	143.23	143.23	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	147.60	147.60	147.60	143.50	143.50	143.50	143.50

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: 20.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.81	7.82	7.81
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	180.5	180.0	179.8	179.7
4	Turbidity, (NTU)	1.00	5.00	1.95	1.97	1.60	1.57
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.45	0.6	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	147.10	147.10	143.23	143.23
8	Total Alkalinity, (mg/L)	200.00	600.00	143.50	143.50	143.50	143.50
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	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
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: 20.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				ZONE - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT	VGM BUILDING
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.87	7.86	7.85	7.89
2	Temperature(degree C)	----	----	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	180.4	179.6	179.4	179.6	179.7
4	Turbidity, (NTU)	1.00	5.00	1.92	1.71	1.91	1.87	1.71
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	0.2	0.35	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	147.10	143.23	143.23	143.23	143.23
8	Total Alkalinity, (mg/L)	200.00	600.00	147.60	143.50	143.50	143.50	143.50
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	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
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 – VI
Sub. : Water Testing (Physico-chemical & Chemical)

Date of Testing: 21.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - VI					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE -104	CE/1/C/203
A. Physico - chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.96	7.97	7.96	7.97	7.96	7.97
2	Temperature(degree C)	----	----	23.4	23.4	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.6	180.8	181.3	181.2	181.2	181.4
4	Turbidity (NTU)	1.00	5.00	1.93	1.55	1.43	1.61	1.91	1.93
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.5	0.4	0.3	0.35	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	154.84	154.84	158.71	158.71	158.71	158.71
8	Total Alkalinity (mg/L)	200.00	600.00	155.80	155.80	155.80	155.80	155.80	155.80

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

Date of Testing: 21.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - III						
				INLET OF O.H.R.	OUTLET OF O.H.R	AL/1/C/028	NKDA Off.	AL/1/C/40	AI/153/18	AL/1/C/22
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.44	7.96	7.95	7.97	7.98	7.97
2	Temperature(degree C)	----	----	23.4	23.4	23.4	23.4	23.4	23.4	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.4	181.3	181.3	181.3	181.1	179.4	178.1
4	Turbidity, (NTU)	1.00	5.00	1.87	1.83	1.64	1.70	1.67	1.95	1.96
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.65	0.35	0.45	0.3	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	154.84	154.84	154.84	154.84	154.84	154.84	150.97
8	Total Alkalinity, (mg/L)	200.00	600.00	155.80	155.80	155.80	155.80	155.80	155.80	151.70

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: 23.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				ZONE - I							
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC - 50	AC-96	AC-105
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.89	8.06	8.09	8.05	8.08	8.07	8.06	8.06
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.1	182.8	181.8	182.5	181.6	182.1	182.0	182.2
4	Turbidity (NTU)	1.00	5.00	1.91	1.93	1.92	1.99	1.97	1.99	1.89	1.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.6	0.4	0.6	0.65	0.6	0.6
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	162.59	158.71	158.71	158.71	158.71	158.71	158.71	158.71
8	Total Alkalinity (mg/L)	200.00	600.00	147.60	143.50	143.50	143.50	143.50	143.50	143.50	143.50

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: 24.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CA-239	CD - 125	CA- 81	CB-08	CA-50
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.97	7.97	7.98	7.97	7.96	7.97
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.7	183.6	183.8	183.8	183.9	183.6	183.4
4	Turbidity (NTU)	1.00	5.00	1.38	1.80	1.97	1.93	1.95	1.81	1.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.6	0.23	0.2	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	162.59	162.59	166.46	162.59	162.59	166.46	162.59
8	Total Alkalinity (mg/L)	200.00	600.00	143.50	143.50	143.50	139.40	139.40	143.50	143.50
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	15.08	15.08	15.08	15.08	15.08	15.08	15.08
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.

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: 24.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	BA - 120	AB-72	AE-65	NEWTOWN BUS TERMINUS
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.97	7.98	7.97	7.98	7.97
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.2	183.7	184.0	183.8	183.7	183.8
4	Turbidity (NTU)	1.00	5.00	1.78	1.71	1.73	1.77	1.96	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.6	0.2	0.35	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	162.59	158.71	162.59	158.71	158.71	158.71
8	Total Alkalinity (mg/L)	200.00	600.00	147.60	143.50	143.50	143.50	143.50	143.50
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	15.08	15.08	15.08	15.08	15.08	15.08
C. Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

Date of Testing: 28.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.99	7.96	7.98	7.99
2	Temperature(degree C)	----	----	23.8	23.3	23.2	23.0
3	Total Dissolved Solid(mg/L)	500.00	2000.00	187.5	190.5	190.6	189.7
4	Turbidity, (NTU)	1.00	5.00	1.94	1.93	1.94	1.99
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.6	0.8
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	158.71	158.71	158.71	158.71
8	Total Alkalinity, (mg/L)	200.00	600.00	147.60	147.60	147.60	147.60

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

Date of Testing: 28.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				ZONE - IX			
				INLET OF O.H.R.	OUTLET OF O.H.R.	RISHI TOWER	DAWAT RESTAURANT
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.84	7.92	7.96	7.95
2	Temperature(degree C)	----	----	23.8	24.3	23.9	23.8
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	189.7	190.8	189.5	189.6
4	Turbidity, (NTU)	1.00	5.00	1.90	1.91	1.94	1.97
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.6	0.8	0.6	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	158.71	162.59	158.71	158.71
8	Total Alkalinity, (mg/L)	200.00	600.00	147.60	151.70	147.60	147.60

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, ZONE - II

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

Date of Testing: 29.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				ZONE - II					
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AE-147	AB-13
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	8.23	8.24	8.26	8.28	8.28	8.27
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	186.8	186.4	186.7	187.1	186.8	187.1
4	Turbidity (NTU)	1.00	5.00	1.55	1.65	1.57	1.50	1.66	1.69
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.4	0.35	0.25	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	147.10	147.10	150.97	150.97	147.10	147.10
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	151.70	151.70	151.70	147.60	147.60
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	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
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
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: 29.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-80	BC-105	BF-58
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	8.19	8.20	8.25	8.24	8.24	8.27	8.23
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	185.5	187.0	187.7	187.5	187.6	187.6	187.9
4	Turbidity (NTU)	1.00	5.00	1.43	1.56	1.58	1.49	1.87	1.68	1.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.4	0.2	0.3	0.35	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	147.10	150.97	150.97	150.97	147.10	150.97	150.97
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	151.70	151.70	155.80	151.70	151.70	151.70
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	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 – V

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

Date of Testing: 30.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				ZONE - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CC- 85	CA-81	CB-08
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.86	7.87	7.89	7.91	7.92	7.93
2	Temperature(degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.0	186.9	186.9	187.5	186.9	187.3	187.3
4	Turbidity (NTU)	1.00	5.00	1.53	1.74	1.91	1.95	1.72	1.79	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.2	0.25	0.3	0.4	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	174.20	178.07	178.07	178.07	178.07	181.94	181.94
8	Total Alkalinity (mg/L)	200.00	600.00	155.80	155.80	155.80	155.80	155.80	155.80	155.80
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	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	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.

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

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

ACTION AREA – II
(DECEMBER' 2021)

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

TEST REPORT: AA – II C, ZONE – I

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

Date of Testing: 02.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET	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	7.35	7.37	7.38	7.39	7.45	7.49	7.51
2	Temperature (degree C)	----	----	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.7	159.5	159.0	158.5	158.1	158.3	158.9
4	Turbidity (NTU)	1.00	5.00	1.73	1.84	1.81	1.87	1.52	1.54	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.25	0.45	0.2	0.45	0.35	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	133.42	133.42	137.23	133.42	133.42	133.42	133.42
8	Total Alkalinity (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68	136.68	136.68	136.68
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	15.20	15.20	15.20	15.20	15.20	15.20	15.20
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: 02.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.62	7.60	7.65
2	Temperature (degree C)	----	----	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.9	160.0	159.1	158.7
4	Turbidity (NTU)	1.00	5.00	1.97	1.98	1.96	1.95
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.23	0.4	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	129.60	133.42	133.42	133.42
8	Total Alkalinity (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68
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	15.20	15.20	15.20	15.20
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

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: 02.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.52	7.61	7.62
2	Temperature (degree C)	----	----	24.6	24.6	24.6	24.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.2	158.0	158.0	158.2
4	Turbidity (NTU)	1.00	5.00	1.81	1.82	1.91	1.83
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	133.42	133.42	133.42	133.42
8	Total Alkalinity (mg/L)	200.00	600.00	136.68	136.68	136.68	136.68
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	15.20	15.20	15.20	15.20
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

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: 06.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE – XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.71	7.71	7.72
2	Temperature (degree C)	----	----	24.8	24.8	24.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	159.1	159.3	159.3
4	Turbidity (NTU)	1.00	5.00	1.41	1.85	1.81
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.45	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	137.23	137.23	137.23
8	Total Alkalinity (mg/L)	200.00	600.00	136.68	136.68	136.68

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: AA – II B, ZONE – IV

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

Date of Testing: 07.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.95	7.91	7.92	7.93	7.96	7.97	7.98
2	Temperature (degree C)	----	----	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	164.1	159.4	159.2	160.1	162.3	161.9	159.2	162.1
4	Turbidity (NTU)	1.00	5.00	2.02	1.61	2.10	1.33	2.55	1.76	2.48	2.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.45	0.3	0.3	0.2	0.35	0.25	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	137.23	133.42	133.42	137.23	137.23	137.23	133.42	137.23
8	Total Alkalinity (mg/L)	200.00	600.00	140.70	136.68	140.70	136.68	140.70	136.68	136.68	132.66

O.H.R. – OVER HEAD RESERVOIR ,

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

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

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

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

TEST REPORT: AA – IIG, ZONE – XI

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

Date of Testing: 07.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE – XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.98
2	Temperature (degree C)	----	----	26.8	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	161.2	160.2	160.3
4	Turbidity (NTU)	1.00	5.00	2.23	1.68	1.80
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	137.23	137.23	137.23
8	Total Alkalinity (mg/L)	200.00	600.00	140.70	140.70	140.70

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: 14.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET	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	7.38	7.42	7.57	7.57	7.46	7.53	7.58
2	Temperature (degree C)	----	----	23.2	23.2	23.3	23.3	23.3	23.3	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.5	173.3	174.0	173.2	174.1	173.7	173.0
4	Turbidity (NTU)	1.00	5.00	1.52	2.25	2.13	1.85	1.51	1.91	1.71
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.5	0.6	0.3	0.55	0.35	0.2	0.5
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	139.36	135.49	139.36	135.49	139.36	139.36	139.36
8	Total Alkalinity (mg/L)	200.00	600.00	143.50	139.40	139.40	139.40	139.40	139.40	139.40

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: 14.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.51	7.52	7.53
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.0	173.9	174.3	174.1
4	Turbidity (NTU)	1.00	5.00	1.24	1.73	1.41	1.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.45	0.6	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	135.49	139.36	139.36	139.36
8	Total Alkalinity (mg/L)	200.00	600.00	139.40	143.50	139.40	139.40

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: AA – IID, ZONE – VI

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

Date of Testing: 14.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.49	7.49	7.50
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.0	173.3	173.3	173.6
4	Turbidity (NTU)	1.00	5.00	1.97	1.24	1.59	1.46
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.4	0.45
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	139.36	135.49	135.49	135.49
8	Total Alkalinity (mg/L)	200.00	600.00	143.50	139.40	139.40	139.40

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – II B, ZONE – IV

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

Date of Testing: 16.12.2021

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	7.53	7.54	7.55	7.59	7.61	7.65	7.70	7.71
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500/500	2000/2000	186.5	175.0	183.0	175.3	175.1	182.6	183.1	174.9
4	Turbidity (NTU)	1/1	5/10	1.96	1.83	2.41	1.35	1.60	1.29	1.65	1.30
5	Residual Free Chlorine (mg/L)	0.2/0.2	0.2/1.0	0.35	0.55	0.3	0.2	0.35	0.45	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	139.36	143.23	139.36	139.36	143.23	143.23	139.36
8	Total Alkalinity (mg/L)	200/200	600/600	143.50	139.40	143.50	143.40	139.40	143.40	143.40	143.40
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	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	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 & Bacteriological)**

Date of Testing: 20.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIG, ZONE - XI		
				INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.97	7.95
2	Temperature (degree C)	----	----	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.2	179.2	179.1
4	Turbidity (NTU)	1.00	5.00	1.92	1.91	1.83
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	147.10	143.23	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	147.60	143.50	143.50
9	Chloride (mg/L)	250.00	1000.00	<0.1	<0.1	<0.1
10	Iron(mg/L)	1.0	No Relaxation	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/-
Assistant Engineer
NTKD -I P.H.E. Dte.

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

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

TEST REPORT: AA – II C, ZONE – I

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

Date of Testing: 27.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, ZONE - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.87	7.89	7.89	7.91	7.93	7.92
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.0	188.5	187.6	187.6	187.8	187.4	187.6
4	Turbidity (NTU)	1.00	5.00	1.71	1.75	1.98	1.71	1.71	1.73	1.78
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.35	0.5	0.25	0.45	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	150.97	150.97	147.10	147.10	147.10	147.10	147.10
8	Total Alkalinity (mg/L)	200.00	600.00	147.60	151.70	147.60	147.60	147.60	147.60	147.60

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 – V

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

Date of Testing: 27.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.93	7.97	7.98	7.99
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.3	187.2	187.1	187.4
4	Turbidity (NTU)	1.00	5.00	1.87	1.84	1.81	1.91
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.35	0.3	0.25
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	147.10	147.10	147.10	147.10
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	151.70	151.70	151.70

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: AA – II D, ZONE – VI

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

Date of Testing: 27.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, ZONE - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	SHRACHI GREEN WOOD ELEMENT	GREEN FIELD AMBITION
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.97	7.95	7.98	7.99
2	Temperature (degree C)	----	----	23.2	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	187.8	187.6	187.6
4	Turbidity (NTU)	1.00	5.00	1.71	1.75	1.72	1.75
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.5	0.4	0.35
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	147.10	143.23	147.10	143.23
8	Total Alkalinity (mg/L)	200.00	600.00	151.70	151.70	151.70	147.60

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: 31.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, ZONE – X		
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALIAH UNIVERSITY
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.94	7.97	7.98
2	Temperature (degree C)	----	----	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.4	198.2	197.8
4	Turbidity (NTU)	1.00	5.00	1.27	1.61	1.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.43	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	162.59	162.59	162.59
8	Total Alkalinity (mg/L)	200.00	600.00	155.80	155.80	155.80

O.H.R. – OVER HEAD RESERVOIR, 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 – II B, ZONE – IV

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

Date of Testing: 31.12.2021

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, ZONE - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	8.01	7.95	7.85	7.89	7.83	7.90	7.86	7.90
2	Temperature (degree C)	----	----	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.0	191.0	192.3	192.5	191.9	190.8	192.3	190.3
4	Turbidity (NTU)	1.00	5.00	1.64	1.40	1.26	1.56	1.59	1.53	1.61	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.55	0.3	0.25	0.33	0.4	0.4	0.45
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	162.59	162.59	162.59	162.59	158.71	158.71	162.59	162.59
8	Total Alkalinity (mg/L)	200.00	600.00	155.80	155.80	155.80	155.80	155.80	155.80	155.80	155.80

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.