

**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' 2023**

ACTION AREA – I
(DECEMBER ' 2023)

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

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

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

Date of Testing: 01.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - IV							
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BC-130	BC-148
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.37	7.35	7.36	7.35	7.36	7.35	7.34
2	Temperature(degree C)	----	----	26.1	26.0	26.1	26.1	26.0	26.0	26.0	26.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	167.0	167.9	167.5	167.9	167.2	168.0	167.1	167.8
4	Turbidity (NTU)	1.00	5.00	1.24	1.05	1.07	0.96	1.02	0.73	0.97	0.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.4	0.2	0.4	0.3	0.4	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	144.20	144.20	140.08	144.20	144.20	144.08	144.08	144.20
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	129.00	129.00	133.30	133.30	129.00	133.30	129.00

O.H.R. - OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: ACTION AREA –I

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

Date of Testing: 04.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.61	7.60	7.62	7.60
2	Temperature(degree C)	----	----	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	168.8	168.8	169.1	168.0
4	Turbidity (NTU)	1.00	5.00	1.88	1.29	1.22	1.69
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	144.20	148.32	152.44	152.44
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	133.30	133.30	133.30
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	18.72	18.72	18.72	18.72
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

NF- NOT FOUND

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

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

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

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

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

Date of Testing: 05.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - II							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AB-13	AE-57	AE-60
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.51	7.52	7.53	7.51	7.50	7.49	7.39
2	Temperature (degree C)	----	----	24.2	24.1	24.1	24.0	24.2	24.2	24.1	24.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.7	170.7	170.5	170.7	170.6	168.8	170.3	170.7
4	Turbidity (NTU)	1.00	5.00	0.94	1.37	1.56	1.53	0.87	1.26	1.08	1.40
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.1	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	148.32	148.32	144.20	148.32	148.32	148.32	148.32	144.20
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60	137.60	133.30	137.60	137.60	133.30	137.60

O.H.R. – OVER HEAD RESERVOIR

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

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Junior Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, O.H.R – III

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

Date of Testing: 05.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - III						
				INLET OF O.H.R.	OUTLET OF O.H.R	A/I/C/28	AL/70	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	7.48	7.50	7.51	7.49	7.50	7.52	7.51
2	Temperature(degree C)	----	----	24.1	24.1	24.2	24.2	24.2	24.2	24.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	169.8	171.2	171.3	171.3	172.7	171.4	172.7
4	Turbidity, (NTU)	1.00	5.00	1.06	1.02	0.93	1.41	1.32	0.75	0.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.2	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	148.32	148.32	140.08	144.20	144.20	144.20	140.08
8	Total Alkalinity, (mg/L)	200.00	600.00	133.30	133.30	133.30	137.60	133.30	133.30	133.30

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 06.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				O.H.R - X			
				INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	CHITTARANJAN NATIONAL CANCER INSTITUTE
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.46	7.43	7.44
2	Temperature(degree C)	----	----	24.2	24.1	24.1	24.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	170.8	170.7	170.8	170.9
4	Turbidity, (NTU)	1.00	5.00	1.31	1.74	1.56	1.19
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.1	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness, (mg/L)	200.00	600.00	152.44	156.56	156.56	156.56
8	Total Alkalinity, (mg/L)	200.00	600.00	133.30	137.60	133.30	133.30

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

Date of Testing: 06.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - IX				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	VGM TOWER
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.42	7.39	7.40	7.43
2	Temperature(degree C)	----	----	24.2	24.2	24.3	24.3	24.3
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	170.6	170.8	171.2	170.9	170.8
4	Turbidity, (NTU)	1.00	5.00	1.40	1.39	1.61	1.50	1.41
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.3	0.3	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:								
7	Total Hardness, (mg/L)	200.00	600.00	152.44	152.44	156.56	156.56	156.56
8	Total Alkalinity, (mg/L)	200.00	600.00	137.60	137.60	133.30	129.00	133.30

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 NTKD - I P.H.E. Dte.

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 08.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - V						
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 81	CB-08	CA-41
A. Physico - chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.30	7.28	7.29	7.32	7.30	7.29
2	Temperature(degree C)	----	----	24.0	24.0	24.0	24.1	24.0	24.1	24.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	172.0	172.5	172.6	172.5	172.6	172.6	172.5
4	Turbidity (NTU)	1.00	5.00	1.31	1.26	1.13	1.18	1.42	1.08	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.6	0.2	0.2	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	152.44	148.32	156.56	156.56	156.56	156.56	156.56
8	Total Alkalinity (mg/L)	200.00	600.00	124.70	129.00	133.30	129.00	133.30	133.30	133.30

O.H.R. - OVER HEAD RESERVOIR,

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 08.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - VI							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE-74	CE-197	CE-121	CE-131
A. Physico - Chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.32	7.30	7.33	7.34	7.35	7.37	7.38
2	Temperature(degree C)	----	----	24.1	24.2	24.2	24.2	24.3	24.3	24.4	24.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	173.1	172.9	172.4	172.6	172.4	172.8	172.8	172.7
4	Turbidity (NTU)	1.00	5.00	0.70	0.90	0.76	0.75	1.18	1.36	0.95	1.11
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.3	0.3	0.4	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	152.44	156.56	156.56	156.56	156.56	156.56	156.56	156.56
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60	133.30	129.00	137.60	133.30	133.30	129.00

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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 11.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC-50	AD-25
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.47	7.44	7.43	7.42	7.40	7.39
2	Temperature (degree C)	----	----	24.1	24.0	24.2	24.2	24.2	24.1	24.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.3	175.4	175.5	175.4	175.6	175.6	175.7
4	Turbidity (NTU)	1.00	5.00	1.54	1.15	1.16	1.25	1.24	1.19	1.10
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.3	0.2	0.3	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	148.32	148.32	152.44	152.44	152.44	152.44	152.44
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	141.90	137.60	133.30	133.30	137.60	129.00
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	20.58	22.46	20.58	20.58	20.58	20.58	20.58
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.

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Junior Engineer
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NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

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

Date of Testing: 11.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							SOURCE		
				O.H.R - IV									
				INLET OF O.H.R.	OUTLET OF O.H.R.	BE-75	BE-17	BB-50	BC-105	SNEHODIYA	SNEHODIYA UGR		
A. Physico-chemical Test Results:													
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.41	7.42	7.41	7.40	7.39	7.38	7.40		
2	Temperature(degree C)	----	----	24.1	24.1	24.0	24.0	23.9	23.9	23.9	23.8		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.9	176.2	176.2	176.0	176.1	175.8	175.7	175.0		
4	Turbidity (NTU)	1.00	5.00	1.26	1.19	1.69	1.31	1.23	1.15	1.28	1.33		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.4	0.3	0.4	0.3	0.4	0.2		
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	152.44	156.56	156.56	156.56	156.56	160.68	156.56	156.56		
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	137.60	137.60	137.60	133.30	133.30	137.60	137.60		
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	20.58	22.46	20.58	20.58	18.72	20.58	20.58	18.72		
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 , U.G.R-UNDERGROUND RESERVOIR, N.F-NOT FOUND

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

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

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

Date of Testing: 14.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - I						
				INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC - 107	AC - 50	AC-229
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.60	7.62	7.63	7.61	7.65	7.63	7.69
2	Temperature (degree C)	----	----	24.2	24.2	24.1	24.1	24.2	24.3	24.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	174.8	176.3	176.2	176.2	176.3	176.7	176.6
4	Turbidity (NTU)	1.00	5.00	0.97	1.15	0.80	1.35	1.18	1.15	1.67
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.2	0.2	0.3	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	156.56	152.44	156.56	160.68	160.68	160.68	160.68
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	137.60	133.30	133.30	133.30	137.60	137.60

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 15.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Physico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.38	7.40	7.41
2	Temperature(degree C)	----	----	23.1	23.2	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.1	175.5	176.2	175.9
4	Turbidity (NTU)	1.00	5.00	1.03	1.31	1.10	1.23
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	153.92	158.08	162.24	162.24
8	Total Alkalinity (mg/L)	200.00	600.00	128.96	133.12	137.28	137.28

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

Sd/-
Junior Engineer
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, O.H.R – VII

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

Date of Testing: 15.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)				
				O.H.R - VII				
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DC-175	DC-248
A. Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.46	7.43	7.42	7.43
2	Temperature(degree C)	----	----	23.2	23.1	23.2	23.2	23.3
3	Total Dissolved Solid.	500.00	2000.00	175.9	175.3	175.5	175.5	175.4
4	Turbidity, (NTU)	1.00	5.00	1.37	1.49	1.38	1.35	1.54
5	Residual Free Chlorine	0.20	1.00	0.6	0.4	0.4	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	149.76	153.92	158.08	158.08	162.24
8	Total Alkalinity, (mg/L)	200.00	600.00	128.96	133.12	133.12	137.28	137.28

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Junior Engineer
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. O.H.R – VIII

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

Date of Testing: 15.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.45	7.47	7.48	7.52	7.53	7.54
2	Temperature (degree C)	----	----	23.1	23.2	23.2	23.3	23.4	23.4
3	Total Dissolved Solid.	500.00	2000.00	175.9	176.0	176.1	175.7	176.0	175.9
4	Turbidity. (NTU)	1.00	5.00	1.72	1.20	1.31	1.73	1.64	1.76
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.2	0.3	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	158.08	153.92	162.24	162.24	158.08	162.24
8	Total Alkalinity. (mg/L)	200.00	600.00	133.12	133.12	137.28	133.12	137.28	133.12

O.H.R. – OVER HEAD RESERVOIR

Sd/-
Chemist
NTKD – I, P.H.E. Dte.

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

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

Date of Testing: 19.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - II							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AB-13	AE-64	AE-56
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.39	7.38	7.37	7.40	7.42	7.40	7.39	7.40
2	Temperature(degree C)	----	----	23.1	23.2	23.2	23.2	23.3	23.4	23.4	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.9	176.9	177.1	176.9	176.9	176.8	176.7	176.8
4	Turbidity (NTU)	1.00	5.00	0.92	1.15	1.05	1.31	1.35	1.17	0.89	1.31
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	162.24	166.40	158.08	162.24	162.24	166.40	162.24	166.40
8	Total Alkalinity (mg/L)	200.00	600.00	128.96	133.12	128.96	133.12	128.96	128.96	133.12	128.96

O.H.R. – OVER HEAD RESERVOIR

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

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

Date of Testing: 22.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - VI							
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /I/A/97	CE-74	CE-197	CE-171	CE/I/B/125
A. Physico - Chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.32	7.31	7.28	7.29	7.32	7.30	7.31
2	Temperature(degree C)	----	----	23.3	23.2	23.3	23.4	23.4	23.5	23.5	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.5	178.0	178.2	178.3	178.2	178.3	178.2	177.9
4	Turbidity (NTU)	1.00	5.00	1.47	1.81	1.34	1.42	1.52	1.61	1.69	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.4	0.4	0.2	0.3	0.4	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	145.60	145.60	149.76	149.76	149.76	149.76	149.76	149.76
8	Total Alkalinity (mg/L)	200.00	600.00	133.12	133.12	128.96	133.12	133.12	128.96	133.12	133.12

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Junior Engineer
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, O.H.R – III

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

Date of Testing: 22.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - III						
				INLET OF O.H.R.	OUTLET OF O.H.R.	A/1/C/28	AI-54	AL/1/C/40	AI/153/18	AI-67
A. Physico-chemical Test Results :										
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.28	7.26	7.27	7.28	7.30	7.31
2	Temperature(degree C)	----	----	23.1	23.1	23.0	23.0	23.1	23.2	23.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.2	177.8	178.2	178.4	178.3	178.6	178.2
4	Turbidity, (NTU)	1.00	5.00	1.48	1.33	1.61	1.54	1.24	1.49	1.35
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.3	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :										
7	Total Hardness, (mg/L)	200.00	600.00	153.92	149.76	153.92	153.92	158.08	158.08	158.08
8	Total Alkalinity, (mg/L)	200.00	600.00	133.12	137.68	133.12	133.12	133.12	133.12	133.12

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

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

TEST REPORT: ACTION AREA –I

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

Date of Testing: 27.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.32	7.31	7.29
2	Temperature(degree C)	----	----	23.6	23.6	23.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.4	180.4	180.3
4	Turbidity (NTU)	1.00	5.00	1.67	1.35	1.43
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	<0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	166.40	162.24	166.40
8	Total Alkalinity (mg/L)	200.00	600.00	137.28	133.12	137.28
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.74	22.63	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

NF- NOT FOUND

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

Sd/-
Junior Engineer
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, O.H.R – VII

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

Date of Testing: 27.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	DF - 94	DC-248	DC-231
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.36	7.32	7.30	7.35	7.34
2	Temperature(degree C)	----	----	23.6	23.7	23.7	23.8	23.8	23.7
3	Total Dissolved Solid.	500.00	2000.00	181.7	180.1	180.3	180.3	180.1	180.0
4	Turbidity, (NTU)	1.00	5.00	1.57	1.79	1.65	1.71	1.65	1.83
5	Residual Free Chlorine	0.20	1.00	1.0	0.4	0.4	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness, (mg/L)	200.00	600.00	170.56	166.40	166.40	170.56	174.72	170.56
8	Total Alkalinity, (mg/L)	200.00	600.00	141.44	137.28	133.12	133.12	133.12	133.12
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250	1000	22.63	24.52	20.74	24.52	22.63	22.63
C .Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

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

Date of Testing: 27.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)					
				O.H.R - VIII					
				INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DC-14	DB-222
A. Physico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.37	7.36	7.38	7.39	7.40	7.41
2	Temperature (degree C)	----	----	23.6	23.6	23.6	23.5	23.5	23.4
3	Total Dissolved Solid.	500.00	2000.00	180.1	180.6	180.1	180.4	180.7	180.6
4	Turbidity (NTU)	1.00	5.00	1.89	1.63	1.78	1.53	1.76	1.73
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:									
7	Total Hardness. (mg/L)	200.00	600.00	170.56	174.72	174.72	174.72	170.56	170.56
8	Total Alkalinity. (mg/L)	200.00	600.00	133.12	133.12	137.28	133.12	133.12	133.12
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	22.63	22.63	22.63	22.63	20.74	22.63
C . Bacteriological Test Results :									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF

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

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

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

Sd/-
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, O.H.R - II

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

Date of Testing: 28.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - II						
				INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA-120	AB-72	AB-13	AE-52
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.38	7.39	7.40	7.41	7.42	7.43	7.42
2	Temperature(degree C)	----	----	23.4	23.4	23.5	23.5	23.5	23.6	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.7	180.8	182.2	180.6	180.7	180.6	180.5
4	Turbidity (NTU)	1.00	5.00	1.54	1.87	1.61	1.70	1.73	1.77	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	166.40	170.56	170.56	170.56	166.40	174.72	170.56
8	Total Alkalinity (mg/L)	200.00	600.00	137.28	137.28	133.12	133.12	133.12	137.28	137.28
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	22.63	24.52	26.40	24.52	24.52	26.40
C. Bacteriological Test Results :										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

Date of Testing: 28.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				O.H.R - III							
				INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AI/1/C/6	AL/1/C/40	AI/153/18	AL-11	AL-39
A. Physico-chemical Test Results :											
1	pH Value.	6.5-8.5	6.5-8.5	7.35	7.36	7.37	7.39	7.40	7.40	7.41	7.39
2	Temperature(degree C)	----	----	23.2	23.2	23.1	23.2	23.2	23.2	23.3	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	178.9	180.3	180.6	180.5	180.5	180.7	180.5	180.7
4	Turbidity, (NTU)	1.00	5.00	1.51	1.67	1.31	1.87	1.51	1.84	1.60	1.97
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results :											
7	Total Hardness, (mg/L)	200.00	600.00	166.40	166.40	170.56	174.72	170.76	170.76	170.76	174.72
8	Total Alkalinity, (mg/L)	200.00	600.00	137.28	137.28	133.12	133.12	133.12	133.12	133.12	133.12
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	24.52	24.52	24.52	24.52	22.63	24.52	24.52	24.52
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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

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

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

Date of Testing: 29.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				O.H.R - IV						
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BC-165
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.32	7.33	7.35	7.37	7.38	7.39
2	Temperature(degree C)	----	----	23.5	23.5	23.6	23.7	23.6	23.6	23.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	180.9	180.5	181.8	181.0	180.9	180.7	181.5
4	Turbidity (NTU)	1.00	5.00	1.56	1.65	1.62	1.68	1.78	1.81	1.83
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.3	0.2	0.3	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	162.24	166.40	170.56	166.40	170.56	170.56	170.56
8	Total Alkalinity (mg/L)	200.00	600.00	137.28	137.28	137.28	133.12	137.28	133.12	133.12

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Junior Engineer
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' 2023)

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

TEST REPORT: AA – II A, O.H.R – 17

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

Date of Testing: 04.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IIA, O.H.R – 17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	CBD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.63	7.60
2	Temperature (degree C)	----	----	26.3	26.2	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	168.5	168.9	168.8
4	Turbidity (NTU)	1.00	5.00	1.00	1.55	1.25
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	148.32	148.32	152.44
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	137.60	133.30
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.72	18.72	20.58
C. Bacteriological Test Results :						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

Sd/-
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 – IIB, O.H.R – 15

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

Date of Testing: 04.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO)	Permissible Limit (IS 10500-2012)/ (CPHEEO)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R – 15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	PLOT-1683	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.67	7.61	7.63	7.64	7.63	7.60	7.61	7.59
2	Temperature (degree C)	----	----	26.1	26.0	26.0	26.1	26.0	26.1	26.0	26.2
3	Total Dissolved Solid (mg/L)	500	2000	167.6	169.1	169.1	169.0	169.1	169.7	168.9	168.7
4	Turbidity (NTU)	1.00	5.00	1.64	1.37	1.60	1.89	1.36	1.46	1.32	1.45
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4	0.6	0.3	0.4	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	144.20	148.32	152.44	148.32	148.32	148.32	148.32	148.32
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	137.60	133.30	133.30	133.30	133.30	137.60	133.30
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	1000	18.72	18.72	18.72	16.84	18.72	18.72	18.72	18.72
C. Bacteriological Test Results :											
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

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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 – IIG, O.H.R – 18

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

Date of Testing: 06.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)	
				AA – IIG, O.H.R – 18	
				INLET OF O.H.R.	OUTLET OF O.H.R.
A. Physico-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.40	7.46
2	Temperature (degree C)	----	----	24.0	24.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	170.8	170.6
4	Turbidity (NTU)	1.00	5.00	1.25	1.16
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	152.44	156.56
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	137.60
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	18.72	18.72
C. Bacteriological Test Results:					
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF

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

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

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

Sd/-
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, O.H.R – 13

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

Date of Testing: 13.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)						
				AA – IIC, O.H.R - 13						
				INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.40	7.42	7.43	7.42	7.40	7.39
2	Temperature (degree C)	----	----	24.0	24.1	24.2	24.2	24.2	24.1	24.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.3	176.5	176.3	176.2	176.6	176.5	176.4
4	Turbidity (NTU)	1.00	5.00	0.78	1.66	1.23	1.32	1.47	1.43	1.59
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.4	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	156.56	152.44	156.56	160.68	160.68	160.68	160.68
8	Total Alkalinity (mg/L)	200.00	600.00	133.30	137.60	137.60	133.30	133.30	137.60	137.60
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.58	22.46	20.58	22.46	22.46	20.58	22.46
C. Bacteriological Test Results:										
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF

N.F- NOT FOUND,

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

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

Sd/-
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, O.H.R – 11

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

Date of Testing: 13.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)			
				AA – IID, O.H.R - 11			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA
A. Physico-Chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.46	7.45	7.42	7.40
2	Temperature (degree C)	----	----	24.1	24.0	24.0	24.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	175.3	176.1	176.8	176.5
4	Turbidity (NTU)	1.00	5.00	1.14	1.45	1.27	1.32
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	156.56	156.56	160.68	160.68
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	133.30	137.60	137.60
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.58	22.46	20.58	20.58
C. Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

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

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

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Assistant Engineer
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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, O.H.R – 12

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

Date of Testing: 13.12.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – IID, O.H.R - 12		
				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	7.38	7.39	7.40
2	Temperature (degree C)	----	----	24.2	24.1	24.0
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.5	176.2	176.3
4	Turbidity (NTU)	1.00	5.00	1.60	1.87	1.65
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	156.56	160.68	156.56
8	Total Alkalinity (mg/L)	200.00	600.00	137.60	141.90	137.60
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	20.58	20.58	20.58
C. Bacteriological Test Results:						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF

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

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

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

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

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

TEST REPORT: AA – II A, O.H.R-17

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

Date of Testing: 21.11.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)		
				AA – II A, O.H.R-17		
				INLET OF O.H.R.	OUTLET OF O.H.R.	CBD
A. Physico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.71	7.70
2	Temperature (degree C)	----	----	23.6	23.5	23.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	176.5	176.9	177.1
4	Turbidity (NTU)	1.00	5.00	1.69	1.43	1.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	158.08	158.08	162.24
8	Total Alkalinity (mg/L)	200.00	600.00	137.28	133.12	133.12

O.H.R. – OVER HEAD RESERVOIR,

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

Sd/-
Junior Engineer
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, O.H.R-15

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

Date of Testing: 21.11.2023

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY)							
				AA – IIB, O.H.R-15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHRITA	MALANCHHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. Physico-chemical Test Results:											
1	pH Value.	6.5-8.5	6.5-8.5	7.69	7.70	7.63	7.65	7.68	7.67	7.68	7.69
2	Temperature (degree C)	----	----	23.5	23.6	23.4	23.4	23.3	23.2	23.2	23.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	177.9	176.7	177.1	177.1	176.9	177.0	176.9	176.9
4	Turbidity (NTU)	1.00	5.00	1.62	1.51	1.65	1.75	1.46	1.79	1.81	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4	0.2	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test Results:											
7	Total Hardness (mg/L)	200.00	600.00	162.24	162.24	166.40	166.40	166.40	170.56	174.72	174.72
8	Total Alkalinity (mg/L)	200.00	600.00	133.12	133.12	133.12	137.28	137.28	133.12	133.12	133.12

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