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 AUGUST' 2022

ACTION AREA – I (AUGUST' 2022)

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I

FFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: <u>ACTION AREA –I</u>

Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological Date of Testing: 01.08.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURC	E (PHE SUPPLY)	
		Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
. Ph	ysico-chemical Test Results:		1				
1	pH Value.	6.5-8.5	6.5-8.5	7.15	7.24	7.28	7.29
2	Temperature(degree C)			26.2	26.4	26.6	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.9	130.1	129.8	128.9
4	Turbidity (NTU)	1.00	5.00	1.21	1,11	1.33	1.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.3	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	hemical Test Results:						
7	Total Hardness (mg/L)	200.00	600.00	121.79	117.73	117.73	113.67
8	Total Alkalinity (mg/L)	200.00	600.00	91.96	91.96	91.96	91.96
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.30	13.30	13.30	13.30
C .B	acteriological Test Results :					· ·	
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF

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

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING VECULTIVE ENGINEER, NEW TOWN YOU WATA WATER SURBLY D

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: <u>AA – I, ZONE – VII</u>

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

Date of Testing: 01.08.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		sou	RCE (PHE SUPP	LY)			
		(IS 10500-2012)	alternate Source (IS 10500-2012)			ZONE - VII	ZONE - VII			
			-	INLET OF O.H.R.	DE-121	DC-248	DF - 94	DC-151		
A. Pl	nysico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.42	7.55	7.61	7.62	7.65		
2	Temperature(degree C)			26.2	26.2	26.2	26.5	26.1		
3	Total Dissolved Solid.	500.00	2000.00	125.2	124.6	124.9	125.2	124.7		
4	Turbidity, (NTU)	1.00	5.00	1.66	1.31	1.86	1.95	1.80		
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.3	0.3	0.4		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:	1					1			
7	Total Hardness, (mg/L)	200.00	600.00	109.61	117.73	117.73	117.73	113.67		
8	Total Alkalinity, (mg/L)	200.00	600.00	87.78	87.78	87.78	87.78	87.78		
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250/200	1000/1000	13.30	13.30	13.30	13.30	13.30		
C .Ba	acteriological Test Results :		<u>'</u>		<u>'</u>		1 1			
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		
12	recai Colliorm (Cr U/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.

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

TEST REPORT: AA – I. ZONE – VIII

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

Sl.	Characteristic	Requirement	Permissible			SOURCE (PI	HE SUPPLY)		
No		(Acceptable	Limit			ZONE	- VIII		
		Limit) (IS 10500-	in the absence	INI EE OE	OTTEL ET OF	D. 4.0	DC 22	D 4 00	DC 25
		2012)	of alternate	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DC-35
		2012)	Source (IS 10500-2012)	0.11.K.	0.11.K.				
A. Ph	ysico-chemical Test Results:		(15 10300-2012)						
1	pH Value.	6.5-8.5	6.5-8.5	7.64	7.61	7.66	7.65	7.64	7.68
2	Temperature(degree C)			26.1	26.2	26.2	26.2	26.2	26.3
3	Total Dissolved Solid.	500.00	2000.00	124.9	124.8	124.1	124.8	124.0	124.8
4	Turbidity (NTU)			1.78	1.87	1.94	1.83	1.86	1.61
	<u> </u>	1.00	5.00						
5	Residual Free Chlorine	0.20	1.00	0.3	0.6	0.2	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:								
7	Total Hardness. (mg/L)	200.00	600.00	117.73	117.73	121.79	117.73	113.67	113.67
8	Total Alkalinity. (mg/L)	200.00	600.00	87.78	91.96	87.78	91.96	91.96	91.96
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	13.30	15.20	13.30	15.20	13.30	13.30
C .Ba	cteriological 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.

Date of Testing: 01.08.2022

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 & Bacteriological)

Date of Testing: 04.08.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOU	JRCE (PHE SU	UPPLY)		
		Limit) (IS 10500-2012)	in the absence of alternate							
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/A/97	CE -74	CE-197	CE -1/C/48
	A. Physico - chemical T	Test Results:	(======================================							
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.60	7.61	7.61	7.59	7.55	7.56
2	Temperature(degree C)			24.7	24.7	25.4	25.4	25.4	25.3	25.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	119.7	120.5	120.8	121.0	121.0	120.8	120.2
4	Turbidity (NTU)	1.00	5.00	1.75	1.86	1.80	1.57	1.91	1.47	1.44
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.4	0.4	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	its:								l
7	Total Hardness (mg/L)	200.00	600.00	113.67	117.73	109.61	113.67	113.67	109.61	109.61
8	Total Alkalinity (mg/L)	200.00	600.00	91.96	87.78	91.96	91.96	91.96	91.96	91.96
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	13.30	13.30	13.30	13.30	13.30	13.30	13.30
	C. Bacteriological Test Results	5 :								
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.

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: <u>AA – I, ZONE – III</u>

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

Sl. No		Requirement (Acceptable	Permissible Limit			SOURCE (PHE SUPPLY)		
1,0		Limit)	in the absence of alternate Source			ZO	NE - III		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R	AI/1/C/28	NKDA Off.	AL/1/C/40	AI/11
	A. Physico-chemi	cal Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.48	7.49	7.55	7.51	7.50
2	Temperature(degree C)			24.9	24.9	24.8	24.8	24.7	24.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	119.0	119.7	120.0	121.2	120.8	121.2
4	Turbidity, (NTU)	1.00	5.00	1.45	1.24	1.67	1.60	1.55	1.70
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.8	0.6	0.4	0.4	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test	Results:					<u> </u>		
7	Total Hardness, (mg/L)	200.00	600.00	105.55	109.61	109.61	113.67	109.61	109.61
8	Total Alkalinity, (mg/L)	200.00	600.00	87.78	91.96	91.96	91.96	91.96	91.96
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	13.30	13.30	13.30	15.20	11.40	13.30
C.I	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.

Date of Testing: 04.08.2022

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: 05.08.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	ce of								
		(IS 10500- 2012)	alternate Source (IS 10500-2012)									
				INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD - 125	CA- 22	CB-08	CA-246		
	A. Physico - chemical Test	Results:	<u> </u>							1		
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.55	7.57	7.59	7.67	7.68	7.66		
2	Temperature(degree C)			25.9	25.6	25.8	25.8	25.8	25.8	25.7		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	120.5	120.6	120.7	120.8	120.9	120.8	120.9		
4	Turbidity (NTU)	1.00	5.00	1.79	1.46	1.75	1.67	1.36	1.80	1.41		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.1	0.2	0.2	0.3	0.3		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. (Chemical Test Results:	•	<u> </u>		•	•		-		•		
7	Total Hardness (mg/L)	200.00	600.00	113.67	113.67	113.67	113.67	113.67	113.67	117.73		
8	Total Alkalinity (mg/L)	200.00	600.00	87.78	87.78	87.78	87.78	91.96	91.96	91.96		

O.H.R. - OVER HEAD RESERVOIR,

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

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: 08.08.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit		SOURCE (I	PHE SUPPLY)	
NO		(IS 10500-2012)	in the absence of alternate Source		ZO	NE - X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Phy	vsico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.29	7.27	7.27
2	Temperature(degree C)			25.2	25.3	25.4	25.1
3	Total Dissolved Solid(mg/L)	500.00	2000.00	126.4	123.9	126.0	126.8
4	Turbidity, (NTU)	1.00	5.00	1.70	1.76	1.85	1.74
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:		•			•	
7	Total Hardness, (mg/L)	200.00	600.00	113.67	109.61	113.67	113.67
8	Total Alkalinity, (mg/L)	200.00	600.00	87.78	87.78	87.78	91.96
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	15.20	13.30	13.30	13.30
C .Bac	eteriological Test Results :		1		ı	1	I
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.

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)

		·	oub Trater Testing (1	njoreo Circinicai i	CHICAGO CO DICTOR	<u> </u>	Dute of Testin	g. 00.00. <u>-</u> 0
Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SO	OURCE (PHE SU	PPLY)	
NO	Characteristic	(IS 10500-2012)	alternate Source			ZONE - IX		
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
A. P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.32	7.38	7.39	7.38
2	Temperature(degree C)			25.1	25.2	25.1	25.0	25.0
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	125.7	125.9	125.8	125.7	125.5
4	Turbidity, (NTU)	1.00	5.00	1.91	1.54	1.98	1.68	1.55
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.6	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:			1	I			1
7	Total Hardness, (mg/L)	200.00	600.00	109.61	105.55	105.55	105.55	105.55
8	Total Alkalinity, (mg/L)	200.00	600.00	91.96	87.78	87.78	91.96	91.96
9	Iron(as Fe), mg/L	1.0/0.1	1.0/1.0	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250/200	1000/1000	13.30	13.30	13.30	13.30	13.30
С.В	acteriological Test Results :	1		1	ı			•
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.

Date of Testing: 08.08.2022

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

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: ACTION AREA -I, ZONE - II

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

Date of Testing: 10.08.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PHE	SUPPLY)		
		Limit)	alternate Source			ZONE -	П		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS TERMINUS	BA - 120	AB-72	AB-13
A. Ph	nysico-chemical Test Results								•
1	pH Value.	6.5-8.5	6.5-8.5	7.62	7.65	7.66	7.67	7.68	7.70
2	Temperature(degree C)			25.7	25.8	25.8	25.8	25.9	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	128.5	127.7	127.2	127.1	127.3	127.1
4	Turbidity (NTU)	1.00	5.00	1.70	1.75	1.76	1.39	1.56	1.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.6	0.3	0.2	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	hemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	111.13	119.36	111.13	111.13	111.13	111.13
8	Total Alkalinity (mg/L)	200.00	600.00	97.68	93.24	93.24	93.24	93.24	93.24
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	14.29	16.08	16.08	16.08	16.08	16.08
C .Ba	cteriological 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.

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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOURCE (PH	E SUPPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)			ZONE	- IV		
			(10 10000 2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105
A. P	hysico-chemical Test Results:			1			ч		
1	pH Value.	6.5-8.5	6.5-8.5	7.58	7.61	7.55	7.64	7.66	7.67
2	Temperature(degree C)			26.1	26.1	26.2	26.2	26.5	25.9
3	Total Dissolved Solid (mg/L)	500.00	2000.00	129.4	128.5	128.1	127.5	127.4	127.5
4	Turbidity (NTU)	1.00	5.00	1.30	1.81	1.53	1.51	1.57	1.68
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.8	0.6	0.2	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:			<u> </u>	<u> </u>		1		
7	Total Hardness (mg/L)	200.00	600.00	115.25	119.36	115.25	115.10	115.10	115.10
8	Total Alkalinity (mg/L)	200.00	600.00	93.24	93.24	93.24	93.24	93.24	93.24
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	14.29	16.08	16.08	16.08	16.08	16.08
C.B	acteriological Test Results :			1			П		
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.

Date of Testing: 10.08.2022

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

TEST REPORT: <u>ACTION AREA –I</u>

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

Date of Testing: 12.08.2022

Sl. No	Characteristic	Requirement (Acceptable	cceptable Limit		SOURC	CE (PHE SUPPLY)	
		Limit) (IS 10500-2012) in the absence alternate Source (IS 10500-2012)		HIDCO	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD	DARADIA PAIN HOSPITAL
A. Ph	ysico-chemical Test Results:		1			1	
1	pH Value.	6.5-8.5	6.5-8.5	7.23	7.26	7.25	7.24
2	Temperature(degree C)			26.9	26.9	26.8	26.7
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.0	135.1	135.1	134.5
4	Turbidity (NTU)	1.00	5.00	1.62	1.91	1.76	1.82
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.4	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cł	hemical Test Results:				•		
7	Total Hardness (mg/L)	200.00	600.00	119.36	123.48	123.48	123.48
8	Total Alkalinity (mg/L)	200.00	600.00	93.24	97.68	97.68	97.68

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

Sd/-Assistant 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 – VII

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

Date of Testing: 12.08.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		S	OURCE (PHE SUPPL	Y)	
110		Limit) (IS 10500-2012)	in the absence of alternate			ZONE - VII		
			Source (IS 10500-2012)	INLET OF O.H.R.	DC-57	DF-60	DC-248	DC-149
4. P	hysico-chemical Test Re	sults:			1	1		1
1	pH Value.	6.5-8.5	6.5-8.5	7.30	7.31	7.35	7.40	7.41
2	Temperature(degree C)			26.6	26.6	26.6	26.6	26.7
3	Total Dissolved Solid.	500.00	2000.00	132	132	130.8	131.8	131.4
4	Turbidity, (NTU)	1.00	5.00	1.92	1.88	1.76	1.73	1.89
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.1	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:		<u>'</u>			•		
7	Total Hardness, (mg/L)	200.00	600.00	123.48	123.48	123.48	119.36	123.48
8	Total Alkalinity, (mg/L)	200.00	600.00	97.68	97.68	97.68	97.68	97.68

O.H.R. - OVER HEAD RESERVOIR

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

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

TEST REPORT: AA – I. ZONE – VIII

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

Sl.	Characteristic	Requirement	Permissible			SOURCE (PHE	SUPPLY)		
No		(Acceptable Limit)	Limit in the absence			ZONE -	VIII		
		(IS 10500-	of alternate	INLET OF	OUTLET OF	DA-30	DC-36	DA-88	DB-222
		2012)	Source	O.H.R.	O.H.R.				
			(IS 10500-2012)						
A. Phy	sico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.51	7.52	7.53	7.59	7.58
2	Temperature(degree C)			26.7	26.7	26.7	26.7	26.8	26.8
3	Total Dissolved Solid.	500.00	2000.00	132.5	131.6	131.1	131.1	131.3	131.2
4	Turbidity. (NTU)	1.00	5.00	1.68	1.90	1.28	1.33	1.94	1.82
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.3	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Che	emical Test Results:		1						
7	Total Hardness. (mg/L)	200.00	600.00	123.48	115.25	123.48	119.36	115.25	119.36
8	Total Alkalinity. (mg/L)	200.00	600.00	97.68	93.24	97.68	93.24	93.24	93.24

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.

Date of Testing: 12.08.2022

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – X

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

Date of Testing: 16.08.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (I	PHE SUPPLY)	
110		(IS 10500-2012)	alternate Source		ZO	NE - X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	NATIONAL CANCER INSTITUTE CHITTARANJAN
A. Phy	ysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.48	7.46	7.49	7.52
2	Temperature(degree C)			26.4	26.4	26.5	26.5
3	Total Dissolved Solid(mg/L)	500.00	2000.00	139.6	139.6	141.8	140.5
4	Turbidity, (NTU)	1.00	5.00	1.77	1.35	1.79	1.89
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.2	0.1	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	emical Test Results:				,		
7	Total Hardness, (mg/L)	200.00	600.00	131.71	123.48	123.48	127.60
8	Total Alkalinity, (mg/L)	200.00	600.00	97.68	93.24	97.68	97.68

O.H.R. - OVER HEAD RESERVOIR,

Sd/-Chemist NTKD - I P.H.E. Dte. Sd/-Assistant 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: 16.08.2022

Sl.	Chanastanistis	Requirement	Requirement (Acceptable Limit) in the absence of alternate Source		SO	URCE (PHE SUPP	LY)	
No	Characteristic					ZONE - IX		
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	SASTA SUNDAR INNOVATION TOWER
A. P	hysico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.51	7.52	7.50	7.52	7.54
2	Temperature(degree C)			26.1	26.2	26.2	26.2	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	138.3	138.7	138.9	138.4	138.5
4	Turbidity, (NTU)	1.00	5.00	1.41	1.83	1.35	1.42	1.86
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.4	0.4	0.4	0.2	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:			•				•
7	Total Hardness, (mg/L)	200.00	600.00	127.60	127.60	131.71	131.71	131.71
8	Total Alkalinity, (mg/L)	200.00	600.00	97.68	97.68	97.68	97.68	97.68

O.H.R. - OVER HEAD RESERVOIR

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

Sl.	Characteristic	Requirement	Permissible Limit			SOUR	CE (PHE SUPPL	Y)		
No		(Acceptable Limit)	in the absence of alternate Source				ZONE - V			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-82	CB-08	CA-27
	A. Physico - chemical Test	Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.56	7.61	7.63	7.65	7.67	7.78	7.75
2	Temperature(degree C)			26.6	26.6	26.7	26.7	26.7	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	141.6	139.8	140.2	139.9	139.5	139.2	139.1
4	Turbidity (NTU)	1.00	5.00	1.82	1.20	1.61	1.64	1.80	1.81	1.54
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.2	0.3	0.4	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:	l			ı				I	L
7	Total Hardness (mg/L)	200.00	600.00	123.48	127.60	127.60	127.60	127.60	127.60	127.60
8	Total Alkalinity (mg/L)	200.00	600.00	97.68	97.68	97.68	97.68	97.68	97.68	97.68
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	14.29	16.08	16.08	16.08	16.08	16.08	16.08
C.B	acteriological 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.

Date of Testing: 17.08.2022

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I

OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION 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 & Bacteriological)

Date of Testing: 17.08.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (PH	IE SUPPLY)		
		Limit) (IS 10500-2012)	alternate Source			ZONI	E - I		
		(15 10300-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC - 50
A. P	Physico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.66	7.67	7.69	7.70	7.69	7.71
2	Temperature (degree C)			26.6	26.5	26.5	26.5	26.6	26.6
3	Total Dissolved Solid (mg/L)	500.00	2000.00	140.0	139.3	139.6	139.7	139.5	139.4
4	Turbidity (NTU)	1.00	5.00	1.52	1.36	1.37	1.29	1.57	1.77
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.6	0.4	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:	1			-		!	I	
7	Total Hardness (mg/L)	200.00	600.00	127.60	123.48	127.60	127.60	127.60	127.60
8	Total Alkalinity (mg/L)	200.00	600.00	97.68	97.68	97.68	97.68	97.68	97.68
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	16.08	16.08	16.08	16.08	16.08	16.08
C.B	acteriological Test Results :	1	1					ı	1
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.

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 – VII

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

Date of Testing: 18.08.2022

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE (PH	IE SUPPLY)		
110		Limit) (IS 10500-2012)	in the absence of alternate			ZONE	- VII		
			Source (IS 10500-2012)	INLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF-94	DC-248	DE-34
A. P	hysico-chemical Test Re	sults:		1		1		1	1
1	pH Value.	6.5-8.5	6.5-8.5	7.47	7.48	7.45	7.50	7.51	7.50
2	Temperature(degree C)			26.1	26.1	26.2	26.2	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	139.7	140.0	143.4	138.4	139.8	138.2
4	Turbidity, (NTU)	1.00	5.00	1.51	1.83	1.21	1.59	1.96	1.81
5	Residual Free Chlorine	0.20	1.00	0.2	0.3	0.1	0.2	0.1	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:			,		· ·			
7	Total Hardness, (mg/L)	200.00	600.00	123.48	123.48	123.48	127.60	127.60	127.60
8	Total Alkalinity, (mg/L)	200.00	600.00	93.24	97.68	97.68	97.68	97.68	97.68

O.H.R. - OVER HEAD RESERVOIR

Sd/-Chemist NTKD-I, P.H.E. Dte. Sd/-Assistant 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: <u>AA – I. ZONE – VIII</u> Sub.: Water Testing (Physico-chemical & Chemical)

Sl.	Characteristic	Requirement	Permissible			SOUI	RCE (PHE SUPPI	LY)		
No		(Acceptable	Limit				ZONE - VIII			
		Limit) (IS 10500-	in the absence	INI EE OE	OTAL EL OE	D4 20	DC 22	D 4 00	DD 222	DC 25
		2012)	of alternate Source	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222	DC-27
		2012)	(IS 10500-2012)	O.11.IX.	O.H.K.					
A. Ph	ysico-chemical Test Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.70	7.71	7.70	7.72	7.73	7.70	7.73
2	Temperature(degree C)			26.2	26.2	26.1	26.1	26.1	26.1	26.2
3	Total Dissolved Solid.	500.00	2000.00	138.3	138.1	139.1	138.0	139.1	138.9	138.4
4	Turbidity. (NTU)	1.00	5.00	1.36	1.67	1.50	1.83	1.75	1.60	1.76
5	Residual Free Chlorine	0.20	1.00	0.2	0.3	0.1	0.2	0.2	0.3	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:	1								•
7	Total Hardness. (mg/L)	200.00	600.00	127.60	123.48	127.60	127.60	127.60	127.60	131.71
8	Total Alkalinity. (mg/L)	200.00	600.00	97.68	97.68	97.68	97.68	97.68	97.68	97.68

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.

Date of Testing: 18.08.2022

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)

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURC	E (PHE SUPP	LY)		
		Limit)	in the absence				ZONE - II			
		(IS 10500- 2012)	of alternate Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA - 120	AB- 72	AB - 13	AE-109
A. Pl	nysico-chemical Test Results:				•					
1	pH Value.	6.5-8.5	6.5-8.5	7.33	7.37	7.40	7.44	7.49	7.50	7.51
2	Temperature(degree C)			26.1	26.1	26.1	26.1	26.1	26.1	26.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	135.2	134.5	134.1	134.5	134.5	134.5	134.6
4	Turbidity (NTU)	1.00	5.00	1.89	1.88	1.89	1.91	1.54	1.58	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.3	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:				1					
7	Total Hardness (mg/L)	200.00	600.00	131.71	127.60	127.60	127.60	127.60	131.71	131.71
8	Total Alkalinity (mg/L)	200.00	600.00	88.80	93.24	93.24	88.80	88.80	93.24	93.24

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.

Date of Testing: 26.08.2022

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: <u>AA – I, ZONE – III</u>

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

				A			,		ite of Testing.		
Characteristic	Requirement	Permissible Limit				SOURC	E (PHE SUPPLY))			
	Limit)	alternate Source				Z	ONE - III				
	(18 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R	AI/1/C/28	NKDA Off.	AL/1/C/40	AI/153/18	AI-10	AI/153/3	AI-68
A. Physico-chemic	cal Test Results:	1	I								l
pH Value.	6.5-8.5	6.5-8.5	7.51	7.52	7.49	7.48	7.49	7.45	7.47	7.50	7.52
Temperature(degree C)			26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.3
Total Dissolved Solid (mg/L)	500.00	2000.00	134.5	134.5	135.0	134.7	134.8	135.0	134.6	133.0	134.4
Turbidity, (NTU)	1.00	5.00	1.91	2.31	2.10	2.11	1.88	2.02	1.34	2.21	2.17
Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.6	0.4	0.4	0.3	0.4	0.3	0.1	0.4
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Chemical Test	Results:		1					1	1		•
Total Hardness, (mg/L)	200.00	600.00	127.60	127.60	131.71	127.60	127.60	131.71	127.60	127.60	127.60
Total Alkalinity, (mg/L)	200.00	600.00	93.24	93.24	88.80	93.24	88.80	93.24	93.24	93.24	93.24
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	<0.1
Chloride (mg/L)	250.00	1000.00	16.08	16.08	14.29	16.08	16.08	16.08	16.08	14.29	16.08
Bacteriological Test Results :											
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	NF
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF	NF
	A. Physico-chemic pH Value. Temperature(degree C) Total Dissolved Solid (mg/L) Turbidity, (NTU) Residual Free Chlorine (mg/L) Odour B. Chemical Test Total Hardness, (mg/L) Total Alkalinity, (mg/L) Iron(as Fe), mg/L Chloride (mg/L) Bacteriological Test Results: Total Coliform (CFU/100 ml)	A. Physico-chemical Test Results: pH Value. 6.5-8.5 Temperature(degree C) Total Dissolved Solid (mg/L) 500.00 Turbidity, (NTU) 1.00 Residual Free Chlorine (mg/L) 0.20 Odour Agreeable B. Chemical Test Results: Total Hardness, (mg/L) 200.00 Total Alkalinity, (mg/L) 200.00 Iron(as Fe), mg/L 1.0 Chloride (mg/L) 250.00 Bacteriological Test Results: Total Coliform (CFU/100 ml) Absent	Characteristic Requirement (Acceptable Limit) (IS 10500-2012) A. Physico-chemical Test Results: PH Value. 6.5-8.5 Temperature(degree C) Total Dissolved Solid (mg/L) S00.00 Turbidity, (NTU) 1.00 Residual Free Chlorine (mg/L) Odour Agreeable B. Chemical Test Results: Total Hardness, (mg/L) Total Alkalinity, (mg/L) 200.00 Total Alkalinity, (mg/L) Linit in the absence of alternate Source (IS 10500-2012) Permissible Limit in the absence of alternate Source (IS 10500-2012) Permissible Limit in the absence of alternate Source (IS 10500-2012) A. Physico-chemical Test Results: Total Dissolved Solid (mg/L) 1.00 Agreeable Agreeable Agreeable B. Chemical Test Results: Total Hardness, (mg/L) 200.00 Agreeable Agreeable Chloride (mg/L) 250.00 1000.00 Bacteriological Test Results: Total Coliform (CFU/100 ml) Absent	Characteristic	Characteristic Requirement (Acceptable Limit) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R.	Characteristic	Characteristic Requirement (Acceptable Limit) (IS 10500-2012)	Cacceptable Limit (IS 10500-2012) In the absence of alternate Source (IS 10500-2012) INLET OF O.H.R. OUTLET	Characteristic Requirement (Acceptable Limit) in the absence of alternate Source (IS 10500-2012) IS 10500-2012) INLET OF O.H.R. O.H.R.R. O.H.R.R. O.H.R.R. O.H.R.R. O.H.R.R. O.H.R. O.H.R.R. O.H.R.R. O.H.R.R. O.H.R.R. O.H.R.R. O.H.R.	Characteristic Requirement (Acceptable Limit in the absence of alternate Source (IS 10500-2012) (IS 10500-2012)	Characteristic Requirement (Acceptable Limit) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R. OUTLET O.H.R. OUTLET OF O.H.R. OUTLET O.H.R.

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.

Date of Testing: 30.08.2022

ACTION AREA – II (AUGUST' 2022)

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

TEST REPORT: AA – II A, ZONE – X

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

Date of Testing: 02.08.2022

Sl. No	Characteristic	Requirement	Permissible Limit		SOURCE (PHE SUPPLY)	
. 10		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source		AA – IIA, ZONE – X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER
A. P	hysico-chemical Test Results:	1				
1	pH Value.	6.5-8.5	6.5-8.5	7.41	7.45	7.49
2	Temperature (degree C)			26.5	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.9	125.9	125.0
4	Turbidity (NTU)	1.00	5.00	1.70	1.33	1.60
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:	1	1			
7	Total Hardness (mg/L)	200.00	600.00	121.79	117.73	117.73
8	Total Alkalinity (mg/L)	200.00	600.00	91.96	91.96	91.96

O.H.R. - OVER HEAD RESERVOIR,

Sd/-Chemist NTKD - I P.H.E. Dte. Sd/-Assistant 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: <u>AA – II B, ZONE – IV</u>

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

Date of Testing: 02.08.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (P	HE SUPPLY)			
		(IS 10500-2012)	alternate Source				AA – IIB	, ZONE - IV			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	ANAHITA	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. P	Physico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.44	7.50	7.40	7.42	7.45	7.40	7.46	7.49
2	Temperature (degree C)			26.5	26.5	26.5	26.6	26.7	26.6	26.8	26.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	124.7	125.6	125.1	125.2	125.1	125.4	126.1	125.7
4	Turbidity (NTU)	1.00	5.00	1.67	1.83	1.77	1.65	1.83	1.56	1.58	1.84
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.8	0.4	0.4	0.4	0.6	0.4	0.6
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:									,	
7	Total Hardness (mg/L)	200.00	600.00	121.78	121.78	117.73	117.73	121.78	121.78	121.78	117.73
8	Total Alkalinity (mg/L)	200.00	600.00	87.78	87.78	87.78	87.78	87.78	91.96	91.96	87.78

O.H.R. - OVER HEAD RESERVOIR

Sd/-Chemist NTKD - I P.H.E. Dte. Sd/-Assistant 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: <u>AA – IIG, ZONE – XI</u>

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

Sl. No	Characteristic	Requirement	Permissible Limit		SOURCE (PHE SUPPLY)	
		(Acceptable Limit)	in the absence of alternate Source		AA – IIG, ZONE - XI	
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT
A. Physi	co-chemical Test Results:					
1	pH Value.	6.5-8.5	6.5-8.5	7.24	7.31	7.35
2	Temperature (degree C)			25.0	25.1	25.1
3	Total Dissolved Solid (mg/L)	500.00	2000.00	125.4	125.1	124.8
4	Turbidity (NTU)	1.00	5.00	1.63	1.59	1.76
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cher	nical Test Results:					
7	Total Hardness (mg/L)	200.00	600.00	109.61	109.61	105.55
8	Total Alkalinity (mg/L)	200.00	600.00	87.78	87.78	87.78
9	Iron(mg/L)	250.00	1000.00	<0.1	<0.1	<0.1
10	Chloride (mg/L)	1.0	No Relaxation	15.20	15.20	15.20
C. Bact	eriological 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.

Date of Testing: 08.08.2022

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

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: <u>AA – IIG, ZONE – XI</u>

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

Date of Testing: 16.08.2022

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)				
		(IS 10500-2012)	alternate Source		AA – IIG, ZONE – XI			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT		
A. Pł	ysico-chemical Test Results:	1	1					
1	pH Value.	6.5-8.5	6.5-8.5	7.31	7.33	7.35		
2	Temperature (degree C)			26.1	26.1	26.1		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	140.0	138.2	138.5		
4	Turbidity (NTU)	1.00	5.00	1.85	1.50	1.97		
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.3	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В. С	hemical Test Results:	•			<u> </u>			
7	Total Hardness (mg/L)	200.00	600.00	127.60	127.60	123.48		
8	Total Alkalinity (mg/L)	200.00	600.00	93.24	93.24	93.24		

O.H.R. - OVER HEAD RESERVOIR

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

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)

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						
			(15 10500-2012)	INLET	OUTLET	AKANKHA	NKDA MKT	STARLIT COMPLEX	HILAND WOODS	MOON BEAM
A. P	hysico-chemical Test Results	s:								
1	pH Value.	6.5-8.5	6.5-8.5	7.28	7.32	7.34	7.34	7.38	7.39	7.30
2	Temperature (degree C)			26.3	26.0	26.0	26.0	25.8	25.8	25.8
3	Total Dissolved Solid (mg/L)	500.00	2000.00	138.0	139.0	138.8	138.0	137.9	138.0	140.1
4	Turbidity (NTU)	1.00	5.00	1.94	1.97	1.90	1.97	1.92	1.86	1.87
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.2	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:	1	-			1	1		1	1
7	Total Hardness (mg/L)	200.00	600.00	123.48	127.60	127.60	127.60	123.48	127.60	127.60
8	Total Alkalinity (mg/L)	200.00	600.00	93.24	93.24	93.24	93.24	88.80	93.24	93.24

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.

Date of Testing: 23.08.2022

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II D, ZONE – V

Sub.: Water Testing (Physico-chemical & Chemical) Date of Testing: 23.08.2022

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)		SOURCE (PHE SUPPLY) AA – IID, ZONE - V				
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA		
A. Ph	ysico-Chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.53	7.55	7.56	7.57		
2	Temperature (degree C)			26.1	26.1	26.1	26.1		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.7	137.9	137.8	137.9		
4	Turbidity (NTU)	1.00	5.00	1.87	1.98	1.92	1.68		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.6	0.4	0.4		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. C	hemical Test Results:	•	1	1			1		
7	Total Hardness (mg/L)	200.00	600.00	127.60	131.71	127.60	127.60		
8	Total Alkalinity (mg/L)	200.00	600.00	93.24	93.24	97.68	97.68		

O.H.R. - OVER HEAD RESERVOIR,

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

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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)						
110		(IS 10500-2012)	alternate Source	AA – IID, ZONE - VI						
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION			
A. P	hysico-chemical Test Results	s:								
1	pH Value.	6.5-8.5	6.5-8.5	7.10	7.20	7.32	7.40			
2	Temperature (degree C)			25.9	25.9	26.1	26.1			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.8	138.4	138.3	138.1			
4	Turbidity (NTU)	1.00	5.00	1.81	1.93	1.70	1.57			
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.4	0.3	0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B.	Chemical Test Results:			,						
7	Total Hardness (mg/L)	200.00	600.00	127.60	127.60	127.60	127.60			
8	Total Alkalinity (mg/L)	200.00	600.00	93.24	88.80	93.24	93.24			

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.

Date of Testing: 23.08.2022

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

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II B, ZONE – IV

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

Characteristic Requirement **Permissible Limit** SOURCE (PHE SUPPLY) No (Acceptable Limit) (IS 10500-2012)/ AA – IIB, ZONE – IV (IS 10500-2012)/ (CPHEEO) (CPHEEO) INLET OF OUTLET MALANCHA NKDA Mkt. ECO URBAN SHILPI HILAND ANAHITA O.H.R. OF O.H.R. **WILLOWS** VILLAGE VILLA A. Physico-chemical Test Results: pH Value. 6.5 to 8.5/7.0 to 8.5 6.5 to 8.5/6.5 to 9.2 7.60 7.74 7.71 7.57 7.61 7.69 7.60 7.57 Temperature (degree C) 26.3 26.3 26.0 26.0 26.0 26.2 26.2 26.2 Total Dissolved Solid (mg/L) 500/500 2000/2000 141.0 139.0 138.2 138.1 138.0 138.0 138.1 137.7 Turbidity (NTU) 1/1 5/10 1.26 1.74 1.54 1.67 1.71 1.76 1.91 1.66 Residual Free Chlorine (mg/L) 0.2/0.2 0.2/1.0 0.1 0.4 0.3 0.2 0.3 0.3 0.4 0.4 6 Odour Agreeable/ Agreeable Agreeable/ Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable **B.** Chemical Test Results: Total Hardness (mg/L) 200/200 600/600 119.36 119.36 123.48 123.48 123.48 123.48 123.48 123.48 Total Alkalinity (mg/L) 8 200/200 600/600 93.24 93.24 88.80 93.24 97.68 88.80 88.80 97.68 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 14.29 16.08 16.08 16.08 14.29 14.29 16.08 16.08 C .Bacteriological Test Results :

NF

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

Absent/Absent

Absent/Absent

Absent/Absent

Absent/Absent

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

Total Coliform (CFU/100 ml)

Fecal Coliform (CFU/100 ml)

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

NF

NF

NF

NF

Date of Testing: 25.08.2022

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I

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

TEST REPORT: <u>AA – IIG, ZONE – XI</u>

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

Sl. No	Characteristic	Requirement	Permissible Limit	SOURCE (PHE SUPPLY) AA – IIG, ZONE - XI				
		(Acceptable Limit)	in the absence of alternate Source					
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	EDEN COURT		
A. Physi	ico-chemical Test Results:							
1	pH Value.	6.5-8.5	6.5-8.5	7.59	7.60	7.58		
2	Temperature (degree C)			26.0	26.1	26.1		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	136.1	137.2	137.2		
4	Turbidity (NTU)	1.00	5.00	1.31	1.08	1.66		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.6	0.4		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B. Cher	mical Test Results:				1			
7	Total Hardness (mg/L)	200.00	600.00	127.60	127.60	127.60		
8	Total Alkalinity (mg/L)	200.00	600.00	88.80	88.80	88.80		
9	Iron(mg/L)	250.00	1000.00	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	1.0	No Relaxation	16.08	16.08	14.29		
C. Bact	eriological 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.

Date of Testing: 25.08.2022

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II C, ZONE – I

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

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. P	hysico-chemical Test Result	s:				•					
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.31	7.33	7.36	7.41	7.43	7.41	
2	Temperature (degree C)			26.3	26.3	26.3	26.3	26.3	26.3	26.3	
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.7	138.1	140.3	137.6	139.1	139.3	137.5	
4	Turbidity (NTU)	1.00	5.00	1.36	1.11	1.64	1.79	1.34	1.08	1.21	
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.4	0.6	0.4	0.4	0.6	
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
В. (Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	131.71	127.60	131.71	131.71	131.71	131.71	127.60	
8	Total Alkalinity (mg/L)	200.00	600.00	97.68	93.24	97.68	97.68	97.68	97.68	93.24	
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
10	Chloride (mg/L)	250.00	1000.00	16.08	16.08	16.08	16.08	16.08	16.08	16.08	
C. I	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.

Date of Testing: 31.08.2022

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING E EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVIS

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: <u>AA – II D, ZONE – V</u>

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)					
		(IS 10500-2012)	alternate Source (IS 10500-2012)		AA – IID, ZO	ONE - V			
				INLET OF O.H.R.	OUTLET OF O.H.R.	ALATIKA	GREEN WOOD SONATA		
A. Ph	ysico-Chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.50	7.49	7.49	7.51		
2	Temperature (degree C)			26.5	26.5	26.5	26.5		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	137.9	137.9	137.1	136.8		
4	Turbidity (NTU)	1.00	5.00	1.95	1.39	1.14	1.34		
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. C	hemical Test Results:	1		1					
7	Total Hardness (mg/L)	200.00	600.00	131.71	131.71	127.60	131.71		
8	Total Alkalinity (mg/L)	200.00	600.00	97.68	97.68	93.24	97.68		
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	14.29	16.08	16.08	16.08		
C. Ba	cteriological 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.

Date of Testing: 31.08.2022

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING

OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I

NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – II D, ZONE – VI

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY) AA – IID, ZONE - VI					
		(IS 10500-2012)	alternate Source						
			(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R.	SHRACHI GREENWOOD ELEMENT	GREEN FIELD AMBITION		
A. P	Physico-chemical Test Result	s:							
1	pH Value.	6.5-8.5	6.5-8.5	7.29	7.30	7.43	7.47		
2	Temperature (degree C)			26.4	26.4	26.5	26.5		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	139.5	136.4	136.2	136.4		
4	Turbidity (NTU)	1.00	5.00	1.29	1.40	1.39	1.41		
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.3	0.2	0.2		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
B.	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	131.71	131.71	127.60	127.60		
8	Total Alkalinity (mg/L)	200.00	600.00	93.24	93.24	93.24	93.24		
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	16.08	16.08	16.08	16.08		
C. 1	Bacteriological Test Results:				<u>.</u>				
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.

Date of Testing: 31.08.2022