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

WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING MONTH MAY' 2024

<u>ACTION AREA – I</u> (MAY' 2024)

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 & Bacteriological)

Date of Testing: 02.05.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit		SOURCE (PHE SUP	PLY)
		Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)	HIDCO BHAWAN	ALO EYE CARE	NABADIGANTA SWASTHYA PARISHEBA PVT LTD
A. P	hysico-chemical Test Results	5:				·
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.87	7.89
2	Temperature (degree C)			26.3	26.2	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.2	190.5	191.2
4	Turbidity (NTU)	1.00	5.00	1.05	1.02	1.14
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:		1			
7	Total Hardness (mg/L)	200.00	600.00	132.13	144.14	148.15
8	Total Alkalinity (mg/L)	200.00	600.00	146.88	142.56	142.56
9	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	29.35	29.35	27.40
C.B	acteriological Test Results :		·			
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	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 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: 02.05.2024

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (PH	IE SUPPLY)		
No		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source (IS 10500-2012)			O.H.R	- VII		
				INLET OF	OUTLET OF	DC-57	DF - 94	DC-248	DC-174
				O.H.R.	O.H.R.				
A. P	hysico-chemical Test Results	s:						1	
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.84	7.83	7.85	7.86	7.87
2	Temperature (degree C)			26.3	26.2	26.2	26.3	26.4	26.4
3	Total Dissolved Solid.	500.00	2000.00	190.7	189.4	190.2	190.1	189.2	189.7
4	Turbidity, (NTU)	1.00	5.00	0.99	0.94	0.97	0.96	0.77	1.12
5	Residual Free Chlorine	0.20	1.00	0.2	0.4	0.4	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:							1	
7	Total Hardness, (mg/L)	200.00	600.00	144.14	148.15	148.15	148.15	148.15	144.14
8	Total Alkalinity, (mg/L)	200.00	600.00	142.56	142.56	138.24	138.24	138.24	138.24
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	1000	27.40	27.40	27.40	27.40	27.40	29.35
C.B	acteriological Test Results :	•	· ·		•			<u> </u>	
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. O.H.R – VIII

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

Date of Testing: 02.05.2024

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (P	HE SUPPLY)		
No		(Acceptable Limit)	in the absence of alternate Source			O.H.R	R - VIII		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	DA-30	DC-23	DA-88	DB-222
A. Ph	ysico-chemical Test Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.82	7.85	7.86	7.81	7.89
2	Temperature (degree C)			26.3	26.3	26.4	26.4	26.2	26.2
3	Total Dissolved Solid.	500.00	2000.00	189.2	189.0	189.6	189.4	189.5	189.4
4	Turbidity (NTU)	1.00	5.00	1.10	1.03	1.35	1.26	1.27	1.28
5	Residual Free Chlorine	0.20	1.00	0.3	0.4	0.2	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	nemical Test Results:						•		
7	Total Hardness. (mg/L)	200.00	600.00	144.14	148.15	144.14	148.15	148.15	144.14
8	Total Alkalinity. (mg/L)	200.00	600.00	142.56	138.24	138.24	138.24	138.24	138.24
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	29.35	29.35	29.35	29.35	29.35	29.35
C . Ba	acteriological 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.

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 - X

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

Sl. No	Characteristic	Requirement	Permissible Limit in the absence of		SOURCE (I	PHE SUPPLY)	
NO		(Acceptable Limit) (IS 10500-2012)	alternate Source		О.Н	I.R - X	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD – 4D	CHITTARANJAN NATIONAL CANCER INSTITUTE
A. Ph	ysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.82	7.90	7.95	7.97
2	Temperature(degree C)			26.2	26.2	26.2	26.2
3	Total Dissolved Solid(mg/L)	500.00	2000.00	191.1	191.8	191.5	191.1
4	Turbidity, (NTU)	1.00	5.00	1.21	0.97	0.92	1.27
5	Residual Free Chlorine(mg/L)	0.20	1.00	0.3	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Ch	nemical Test Results:						
7	Total Hardness, (mg/L)	200.00	600.00	148.15	144.14	148.15	148.15
8	Total Alkalinity, (mg/L)	200.00	600.00	142.56	138.24	138.24	138.24

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: 03.05.2024

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 - IX

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

Date of Testing: 03.05.2024

Sl.		Requirement	Permissible Limit		SOURCE (PHE SUPPLY)	
No	Characteristic	(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source		0.1	H.R - IX	
			(IS 10500-2012)	INLET OF O.H.R.	DAWAT RESTAURANT	RISHI TOWER	VGM TOWER
A. P	hysico-chemical Test Results:						
1	pH Value.	6.5-8.5	6.5-8.5	7.98	7.86	7.87	7.89
2	Temperature(degree C)			26.2	26.3	26.3	26.4
3	Total Dissolved Solid. (mg/L)	500.00	2000.00	189.8	190.7	190.1	189.1
4	Turbidity, (NTU)	1.00	5.00	0.76	0.93	1.08	1.07
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
В. С	Chemical Test Results:			1			
7	Total Hardness, (mg/L)	200.00	600.00	148.15	148.15	152.15	148.15
8	Total Alkalinity, (mg/L)	200.00	600.00	142.56	142.56	142.56	138.24

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: ACTION AREA - I, O.H.R - VI

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

Date of Testing: 10.05.2024

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of			SOU	RCE (PHE SU	UPPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/C/97	CE -74	CE-197	CE/1/C/52
	A. Physico - chemical T	est Results:								
1	pH Value.	6.5-8.5	6.5-8.5	7.88	7.87	7.89	7.91	7.90	7.92	7.95
2	Temperature(degree C)			26.4	26.4	26.3	26.3	26.3	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.0	187.1	188.1	187.6	187.4	187.1	186.6
4	Turbidity (NTU)	1.00	5.00	0.97	1.18	1.11	1.28	1.09	1.04	1.15
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.3	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:				•				
7	Total Hardness (mg/L)	200.00	600.00	144.14	144.14	148.15	148.15	148.15	148.15	148.15
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	142.56	142.56	146.88	146.88	146.88
9	Iron(as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Chloride (mg/L)	250.00	1000.00	29.35	31.30	29.35	29.35	29.35	29.35	29.35
	C. Bacteriological Test Resu	ılts :				•		•		
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, O.H.R – III</u>

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

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of			SOURCE (P	HE SUPPLY)		
		Limit)	alternate Source			O.H.	R - III		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AL/1/C/2	AL/1/C/40	AI/153/18
A. l	Physico-chemical Test Result	ts:							
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.92	7.93	7.94	7.95	7.92
2	Temperature(degree C)			26.4	26.4	26.4	26.4	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	186.1	186.5	186.2	186.7	186.5
4	Turbidity, (NTU)	1.00	5.00	0.90	1.32	1.87	1.07	1.41	0.94
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.2	0.4	0.4	0.2
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:							<u>l</u>	
7	Total Hardness, (mg/L)	200.00	600.00	148.15	148.15	144.14	144.14	144.14	144.14
8	Total Alkalinity, (mg/L)	200.00	600.00	146.88	146.88	142.56	142.56	142.56	142.56
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	29.35	29.35	29.35	29.35	29.35	29.35
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
	U.D. OVER HEAD DECERVOIR	l .	l		1		1	LL	

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: 10.05.2024

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 - V

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

Date of Testing: 15.05.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence			SOURCE (P	HE SUPPLY)		
110		Limit)	of alternate			O.H.	R - V		
		(IS 10500-2012)	Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CC-201	CD-125	CA-81	CB-08
A.	Physico - chemical Test Result	s:							<u>-</u>
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.81	7.85	7.86	7.87	7.82
2	Temperature(degree C)			26.3	26.3	26.2	26.2	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.0	189.1	189.1	188.2	188.0	188.2
4	Turbidity (NTU)	1.00	5.00	1.48	1.64	1.71	1.68	1.70	1.72
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.4	0.2	0.2	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:					<u> </u>			
7	Total Hardness (mg/L)	200.00	600.00	148.15	152.15	152.15	152.15	152.15	152.15
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	142.56	142.56	138.24	138.24	138.24
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	1000	27.40	29.35	27.40	29.35	29.35	29.35
C .B	acteriological Test Results :	'	,		1	·		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: ACTION AREA -I, O.H.R - IV

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

Date of Testing: 15.05.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit			SOURCE (P	HE SUPPLY)		
		Limit) (IS 10500-2012)	in the absence of alternate			О.Н.	R - IV		
			Source (IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	SNEHODIYA
A. Pl	hysico-chemical Test Results:	:				<u> </u>			
1	pH Value.	6.5-8.5	6.5-8.5	7.80	7.83	7.85	7.86	7.84	7.83
2	Temperature(degree C)			26.1	26.2	26.3	26.3	26.3	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.3	188.4	189.3	188.7	188.1	187.8
4	Turbidity (NTU)	1.00	5.00	1.70	1.81	1.65	1.85	1.83	1.86
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.4	0.3	0.2	0.3	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	148.15	148.15	148.15	152.15	152.15	152.15
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	138.24	138.24	138.24	138.24
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	31.30	29.35	29.35	29.35	31.30	29.35
C .Ba	acteriological 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 HE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVI

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: 16.05.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of				SOURCE (PI	HE SUPPLY)			
. 10		Limit)	alternate Source				O.H.1	R - II			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	NEWTOWN BUS STAND	BA-120	AB-72	AB-13	AE-104	AE-56
A. Pł	nysico-chemical Test Results:										
1	pH Value.	6.5-8.5	6.5-8.5	7.95	7.97	7.96	7.97	7.95	7.94	7.92	7.96
2	Temperature(degree C)			26.3	26.3	26.3	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.6	189.8	189.4	189.8	189.4	189.3	189.0	188.1
4	Turbidity (NTU)	1.00	5.00	1.45	1.54	1.66	1.42	1.70	1.20	1.31	1.85
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.1	0.2	0.2	0.3	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	144.00	148.00	144.00	140.00	140.00	140.00	140.00	140.00
8	Total Alkalinity (mg/L)	200.00	600.00	141.44	141.44	141.44	145.86	141.44	141.44	141.44	141.44
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	31.08	31.08	31.08	31.08	29.14	31.08	31.08	29.14
C .Ba	acteriological Test Results :		•		•						
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE (PHE SUPPLY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)				О.Н	.R - IV			
				INLET OF O.H.R.	OUTLET OF O.H.R.	SENIOR CITIZEN PARK	BE-17	BB-50	BC-105	BC-130	BC-146
A. Pl	hysico-chemical Test Results	•					•				
1	pH Value.	6.5-8.5	6.5-8.5	7.89	7.90	7.93	7.91	7.90	7.89	7.88	7.94
2	Temperature (degree C)			26.1	26.1	26.2	26.3	26.3	26.3	26.4	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.4	192.2	192.8	192.6	192.4	192.6	192.4	192.4
4	Turbidity (NTU)	1.00	5.00	0.97	1.27	1.21	1.11	1.15	1.28	1.31	1.27
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. С	Chemical Test Results:										
7	Total Hardness (mg/L)	200.00	600.00	148.00	148.00	144.00	148.00	148.00	148.00	148.00	148.00
8	Total Alkalinity (mg/L)	200.00	600.00	141.44	141.44	144.44	144.44	144.44	137.02	137.02	144.44

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: 20.05.2024

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 Test	ting (Physico-cl	hemical ,Chem	ical & Bacte	eriological)		Date of Testing	: 21.05.2024			
Sl. No	Characteristic	Requirement	Permissible Limit				SOURCE (F	PHE SUPPLY	7)				
110		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source				О.Н	I.R - I					
		(18 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC-50	AC-190	AC-191		
A. P	hysico-chemical Test Results:			l									
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.80	7.83	7.85	7.83	7.82	7.81	7.80		
2	Temperature (degree C)			26.2	26.2	26.2	26.3	26.4	26.4	26.3	26.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	190.3	192.6	192.0	192.6	192.7	192.0	192.6	192.3		
4	Turbidity (NTU)	1.00	5.00	1.08	0.81	0.95	1.12	1.16	0.85	0.96	0.97		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.1	0.2	0.3	0.2	0.2		
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	148.00	148.00	144.00	144.00	144.00	144.00	148.00	144.00		
8	Total Alkalinity (mg/L)	200.00	600.00	141.44	141.44	145.86	145.86	141.44	141.44	145.86	141.44		
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	31.08	31.08	31.08	31.08	31.08	31.08	31.08	31.08		
C.B	acteriological Test Results :												
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF		

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

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

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

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: 22.05.2024

Characteristic	Requirement	Permissible Limit			SOU	RCE (PHE SUP	PLY)		
	(IS 10500-2012)	alternate Source (IS 10500-2012)				O.H.R - VII			
			INLET OF O.H.R.	OUTLET OF O.H.R.	DC-57	HIDCO BHAWAN	DF - 94	DC-248	DC-244
hysico-chemical Test Results	5:								
pH Value.	6.5-8.5	6.5-8.5	7.85	7.87	7.89	7.91	7.90	7.89	7.88
Temperature (degree C)			26.3	26.2	26.2	26.3	26.4	26.4	26.3
Total Dissolved Solid.	500.00	2000.00	193.2	193.5	193.5	192.3	193.1	193.1	192.9
Turbidity, (NTU)	1.00	5.00	0.83	0.97	1.15	1.11	1.18	1.22	0.91
Residual Free Chlorine	0.20	1.00	0.3	0.4	0.4	0.1	0.2	0.2	0.3
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Chemical Test Results:									
Total Hardness, (mg/L)	200.00	600.00	140.00	144.00	144.00	140.00	140.00	140.00	140.00
Total Alkalinity, (mg/L)	200.00	600.00	141.44	141.44	141.44	141.44	141.44	141.44	141.44
Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride (mg/L)	250	1000	31.08	31.08	31.08	31.08	31.08	31.08	31.08
Bacteriological Test Results :									
Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF
	pH Value. Temperature (degree C) Total Dissolved Solid. Turbidity, (NTU) Residual Free Chlorine Odour Chemical Test Results: Total Hardness, (mg/L) Total Alkalinity, (mg/L) Iron (as Fe), mg/L Chloride (mg/L) Sacteriological Test Results: Total Coliform (CFU/100 ml)	Acceptable Limit) (IS 10500-2012) Physico-chemical Test Results: pH Value. 6.5-8.5 Temperature (degree C) Total Dissolved Solid. 500.00 Turbidity, (NTU) 1.00 Residual Free Chlorine 0.20 Odour Agreeable 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) Sacteriological Test Results: Total Coliform (CFU/100 ml) Absent	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) Physico-chemical Test Results:	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R.	(Acceptable Limit) (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R.	Acceptable Limit (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R. DC-57 O.H.R. Drysico-chemical Test Results: DH Value. 6.5-8.5 6.5-8.5 7.85 7.87 7.89 Temperature (degree C) 26.3 26.2 26.2 Total Dissolved Solid. 500.00 2000.00 193.2 193.5 193.5 Turbidity, (NTU) 1.00 5.00 0.83 0.97 1.15 Residual Free Chlorine 0.20 1.00 0.3 0.4 0.4 Odour Agreeable Agreeable Agreeable Agreeable Agreeable Chemical Test Results: Total Hardness, (mg/L) 200.00 600.00 141.44 141.44 141.44 Iron (as Fe), mg/L 1.0 No Relaxation <0.1 <0.1 <0.1 Chloride (mg/L) 250 1000 31.08 31.08 31.08 Bracteriological Test Results :	CAcceptable Limit (IS 10500-2012)	Cacceptable Limit (IS 10500-2012) in the absence of alternate Source (IS 10500-2012) INLET OF O.H.R. OUTLET O.H.R. OUTLET OF O.H.R. OUTLET	Acceptable Limit (IS 10500-2012)

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. O.H.R – VIII

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

Date of Testing: 22.05.2024

Sl.	Characteristic	Requirement	Permissible Limit			SOURCE (P	HE SUPPLY)		
No		(Acceptable	in the absence of			O.H.R	- VIII		
		Limit) (IS 10500-2012)	alternate Source (IS 10500-2012)	INLET OF	OUTLET OF	DA-30	DC-23	DA-88	DB-222
		(15 10200 2012)	(15 10500-2012)	O.H.R.	O.H.R.	DA-30	DC-23	DA-00	DB-222
A. Ph	ysico-chemical Test Results:						<u> </u>		
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.86	7.85	7.84	7.89	7.90
2	Temperature (degree C)			26.5	26.5	26.6	26.4	26.4	26.3
3	Total Dissolved Solid.	500.00	2000.00	193.1	193.9	193.5	193.6	193.2	193.1
4	Turbidity (NTU)	1.00	5.00	1.15	1.31	1.14	1.02	1.20	1.31
5	Residual Free Chlorine	0.20	1.00	0.1	0.4	0.2	0.2	0.4	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
B. Cl	hemical Test Results:						1		
7	Total Hardness. (mg/L)	200.00	600.00	140.00	144.00	144.00	144.00	140.00	140.00
8	Total Alkalinity. (mg/L)	200.00	600.00	141.44	145.86	141.44	145.86	141.44	141.44
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	31.08	31.08	31.08	31.08	31.08	31.08
C . Ba	acteriological Test Results :				1		1	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.

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 & Bacteriological)

Date of Testing: 24.05.2024

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE	(PHE SUPPL	AY)		
		(IS 10500-2012)	alternate Source (IS 10500-2012)				0.	H.R - VI			
				INLET OF O.H.R.	OUTLET OF O.H.R.	NBCC	CE /1/C/97	CE -74	CE-197	CE/1/B/76	CE/1/B/84
	A. Physico - chemical T	est Results:									
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.87	7.88	7.83	7.85	7.86	7.87	7.88
2	Temperature (degree C)			26.3	26.3	26.3	26.3	26.2	26.3	26.2	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	195.5	197.8	197.3	194.9	193.6	1499.4	193.0	192.7
4	Turbidity (NTU)	1.00	5.00	1.35	1.18	1.40	1.11	1.06	0.97	1.15	0.89
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.1
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
	B. Chemical Test Resul	ts:									
7	Total Hardness (mg/L)	200.00	600.00	144.00	148.00	144.00	144.00	144.00	144.00	144.00	144.00
8	Total Alkalinity (mg/L)	200.00	600.00	141.44	141.44	141.44	141.44	141.44	141.44	141.44	141.44
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	31.08	33.03	31.08	31.08	31.08	31.08	31.08	31.08
	C. Bacteriological Test Resu	ılts:									
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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: 24.05.2024

Sl. No	Characteristic	Requirement (Acceptable	Permissible Limit in the absence of				SOURCE (PHE SU	PPLY)		
110		Limit)	alternate Source				O.H.R - III			
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R	OUTLET OF O.H.R	AI/1/C/28	AL/1/C/6	AL/1/C/40	AI/153/18	AL-11
A. l	Physico-chemical Test Result	ts:								
1	pH Value.	6.5-8.5	6.5-8.5	7.87	7.86	7.87	7.88	7.86	7.84	7.88
2	Temperature (degree C)			26.2	26.3	26.2	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	192.3	193.3	193.0	193.3	192.6	191.8	193.0
4	Turbidity, (NTU)	1.00	5.00	1.11	0.95	0.81	1.09	1.05	1.18	1.20
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.4	0.3	0.3	0.2	0.2	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:					l				
7	Total Hardness, (mg/L)	200.00	600.00	144.00	144.00	144.00	144.00	144.00	148.00	148.00
8	Total Alkalinity, (mg/L)	200.00	600.00	141.44	141.44	141.44	141.44	141.44	141.44	141.44
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	31.08	31.08	31.08	31.08	31.08	31.08	31.08
C. I	Bacteriological Test Results:							<u>.</u>		
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 U D OVED HEAD DI	CERTICAL IN ELICE DA						1		1

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

Sub.: Water Testing (Physico-chemical , Chemical & Bacteriological) **Date of Testing: 29.05.2024**

Sl. No	Characteristic	Requirement	Permissible Limit			SOURCE (PHI	E SUPPLY)		
110		(Acceptable Limit)	in the absence of alternate Source			O.H.R	- I		
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	AD - 17	AA- 05	AC-107	AC-133
A. I	Physico-chemical Test Results:	<u> </u>							
1	pH Value.	6.5-8.5	6.5-8.5	7.63	7.64	7.65	7.66	7.67	7.69
2	Temperature (degree C)			26.2	26.3	26.4	26.3	26.4	26.2
3	Total Dissolved Solid (mg/L)	500.00	2000.00	184.1	183.2	182.4	182.4	182.6	183.2
4	Turbidity (NTU)	1.00	5.00	1.47	1.65	1.41	1.34	1.60	1.37
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.3	0.3	0.3	0.2	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В.	Chemical Test Results:					1		l L	
7	Total Hardness (mg/L)	200.00	600.00	144.00	144.00	140.00	144.00	144.00	140.00
8	Total Alkalinity (mg/L)	200.00	600.00	137.02	137.02	137.02	141.44	137.02	137.02
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	29.14	29.14	29.14	31.08	29.14	29.14
C.F	Bacteriological Test Results :	1			ı				
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.

<u>ACTION AREA – II</u> (MAY' 2024)

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, O.H.R – 18</u>

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

Date of Testing: 03.05.2024

Sl. No	Characteristic	Requirement	Permissible Limit	SOURCE (PH	HE SUPPLY)
		(Acceptable Limit)	in the absence of — alternate Source	AA – IIG, (D.H.R – 18
		(IS 10500-2012)	(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.
A. Phys	 ico-chemical Test Results:				
1	pH Value.	6.5-8.5	6.5-8.5	7.85	7.87
2	Temperature (degree C)			26.3	26.4
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.8	189.5
4	Turbidity (NTU)	1.00	5.00	0.72	1.07
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable
B. Chei	mical Test Results:	, ,			•
7	Total Hardness (mg/L)	200.00	600.00	144.14	144.14
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	142.56

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 – II A, O.H.R-17

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

Date of Testing: 07.05.2024

	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of		SOURCE (PHE S	SUPPLY)	
		(IS 10500-2012)	alternate Source		AA – IIA, O.H	I.R-17	
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HAJ TOWER	CBD
A. P	hysico-chemical Test Results	•					
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.84	8.04	8.12
2	Temperature (degree C)			26.3	26.3	26.5	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	188.5	187.3	190.0	188.5
4	Turbidity (NTU)	1.00	5.00	1.19	1.08	1.04	1.00
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.4	0.4	0.3	0.3
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:	,	,				<u> </u>
7	Total Hardness (mg/L)	200.00	600.00	144.14	144.14	148.15	148.15
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	142.56	142.56	138.24

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, O.H.R-15</u>

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

Date of Testing: 07.05.2024

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of				SOURCE	(PHE SUPPLY))		
		(IS 10500-2012)	alternate Source				AA – 1	IIB, O.H.R-15			
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	PLOT-1590	MALANCHA	NKDA MARKET	ECO URBAN VILLAGE	SHILPI VILLA
A. F	Physico-chemical Test Resul	ts:									
1	pH Value.	6.5-8.5	6.5-8.5	7.81	7.84	7.86	7.84	7.85	7.84	7.86	7.89
2	Temperature (degree C)			26.3	26.3	26.4	26.5	26.5	26.6	26.7	26.5
3	Total Dissolved Solid (mg/L)	500.00	2000.00	191.2	191.9	190.5	193.2	190.9	190.0	190.5	189.2
4	Turbidity (NTU)	1.00	5.00	1.27	0.80	1.18	0.76	1.35	1.03	0.85	0.92
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.3	0.4	0.2	0.3	0.3	0.4
6	Odour	Agreeable	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	148.15	148.15	148.15	144.14	148.15	144.14	148.15	148.15
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	142.56	142.56	138.24	142.56	142.56	138.24	142.56
	O H R - OVER HEAD R	ECEDVOID	1	ı							1

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, O.H.R – 13

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

Date of Testing: 13.05.2024

SI. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source (IS 10500-2012)				CE (PHE SUPPL			
			(15 15550 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	7.87	7.85	7.89	7.85	7.83	7.86	7.87
2	Temperature (degree C)			26.1	26.1	26.1	26.2	26.2	26.3	26.3
3	Total Dissolved Solid (mg/L)	500.00	2000.00	189.6	188.4	188.1	188.4	187.6	187.8	187.5
4	Turbidity (NTU)	1.00	5.00	1.17	1.31	1.37	1.40	1.36	1.45	1.39
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	0.3	0.4	0.3	0.2	0.4
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
В. (Chemical Test Results:									
7	Total Hardness (mg/L)	200.00	600.00	148.15	148.15	144.14	144.14	144.14	148.15	144.14
8	Total Alkalinity (mg/L)	200.00	600.00	138.24	138.24	138.24	142.56	138.24	142.56	138.24

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, O.H.R – 11

Sub.: Water Testing (Physico-chemical & Chemical) Date of Testing: 13.05.2024

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit in the absence of alternate Source	SOURCE (PHE SUPPLY) AA – IID, O.H.R -11						
			(IS 10500-2012)		AA – IID, 0.1	11.1X -11				
				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	7.82	7.84	7.86	7.89			
2	Temperature (degree C)			26.1	26.2	26.2	26.4			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.0	186.6	187.0	187.1			
4	Turbidity (NTU)	1.00	5.00	1.34	1.54	1.58	1.65			
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. C	hemical Test Results:						1			
7	Total Hardness (mg/L)	200.00	600.00	148.14	148.14	144.14	148.14			
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	142.56	138.24	138.24			

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 D, O.H.R – 12

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, O.H		AA – IID, O.H.R - 12	.R - 12			
			(IS 10500-2012)	INLET OF O.H. R	OUTLET OF O.H. R	GREEN FIELD AMBITION			
A. P	Physico-chemical Test Results	:							
1	pH Value.	6.5-8.5	6.5-8.5	7.86	7.83	7.88			
2	Temperature (degree C)			26.4	26.4	26.4			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.2	188.1	187.6			
4	Turbidity (NTU)	1.00	5.00	1.31	1.68	1.35			
5	Residual Free Chlorine (mg/L)	0.20	1.00	1.0	0.3	0.2			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
B.	Chemical Test Results:								
7	Total Hardness (mg/L)	200.00	600.00	148.15	152.15	144.14			
8	Total Alkalinity (mg/L)	200.00	600.00	142.56	138.24	138.24			

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: 13.05.2024

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)

l. 0	Characteristic	Requirement	Permissible Limit		SOURCE (PHE SUPPLY)				
		(Acceptable Limit) (IS 10500-2012)	in the absence of alternate Source		AA – IIA, O.H.R – 17				
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	CBD			
. P	hysico-chemical Test Results:			1	1				
1	pH Value.	6.5-8.5	6.5-8.5	7.91	7.96	7.88			
2	Temperature (degree C)			26.3	26.3	26.3			
3	Total Dissolved Solid (mg/L)	500.00	2000.00	187.3	187.0	187.9			
4	Turbidity (NTU)	1.00	5.00	1.25	1.65	1.63			
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.6	0.4	0.4			
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable			
. (Chemical Test Results:			•					
7	Total Hardness (mg/L)	200.00	600.00	144.00	144.00	144.00			
8	Total Alkalinity (mg/L)	200.00	600.00	141.44	141.44	145.86			
_	Iron (as Fe), mg/L	1.0	No Relaxation	<0.1	<0.1	<0.1			
9			1000.00	31.08	31.08	31.08			
9	Chloride (mg/L)	250.00	1000.00						
.0	Chloride (mg/L) acteriological Test Results:	250.00	1000.00						
10	_	250.00 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: 28.05.2024

GOVERNMENT OF WEST BENGAL DIRECTORATE OF PUBLIC HEALTH ENGINEERING OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I ADMINISTRATIVE RIPLOING. WATER TREATMENT PLANT SITE. NEAR TANK NO.1

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

TEST REPORT: <u>AA – II B, O.H.R – 15</u>

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

Sl. No	Characteristic	Requirement (Acceptable Limit) (IS 10500-2012)	Permissible Limit (IS 10500-2012)	SOURCE (PHE SUPPLY) AA – IIB, O.H.R – 15							
				INLET OF O.H.R.	OUTLET OF O.H.R.	HILAND WILLOWS	PLOT-1590	MALANCHA	NKDA Mkt.	ECO URBAN VILLAGE	SHILPI VILLA
A. F	Physico-chemical Test Resul	ts:									
1	pH Value.	6.5 to 8.5	6.5 to 8.5	7.85	7.86	7.87	7.89	7.88	7.86	7.89	7.90
2	Temperature (degree C)			26.4	26.3	26.3	26.4	26.2	26.2	26.2	26.3
3	Total Dissolved Solid (mg/L)	500	2000	192.3	194.4	187.9	191.3	191.8	187.3	186.1	187.0
4	Turbidity (NTU)	1.00	5.00	1.53	1.35	1.41	1.51	1.61	0.91	1.22	1.42
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.6	0.2	0.3	0.3	0.1	0.3	0.4
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	144.00	144.00	140.00	144.00	144.00	144.00	140.00	144.00
8	Total Alkalinity (mg/L)	200.00	600.00	141.44	141.44	141.44	141.44	141.44	141.44	141.44	145.86
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	31.08	31.08	31.08	31.08	31.08	31.08	31.08	31.08
C. I	Bacteriological Test Results	•						<u> </u>		1	
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF	NF	NF	NF	NF	NF

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

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

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

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

Date of Testing: 28.05.2024

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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of	SOURCE (PHE SUPPLY)								
		(IS 10500-2012)	alternate Source (IS 10500-2012)	AA – IIC, O.H.R - 13								
				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	7.81	7.80	7.79	7.78	7.83	7.82	7.80		
2	Temperature (degree C)			26.3	26.3	26.3	26.2	26.2	26.3	26.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	183.1	181.9	182.0	181.9	181.8	180.8	180.9		
4	Turbidity (NTU)	1.00	5.00	1.35	1.51	1.61	1.58	1.42	1.66	1.48		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.1	0.4	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:					•	<u> </u>		1	l		
7	Total Hardness (mg/L)	200.00	600.00	148.00	148.00	144.00	144.00	144.00	140.00	148.00		
8	Total Alkalinity (mg/L)	200.00	600.00	132.60	132.60	141.44	137.02	132.60	137.02	141.44		
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	29.14	29.14	29.14	29.14	27.20	29.14	29.14		
C. 1	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		
<u> </u>									1	L		

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: 31.05.2024

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)

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source (IS 10500-2012)	SOURCE (PHE SUPPLY) AA – IID, O.H.R - 11					
		(IS 10500-2012)							
				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	7.81	7.82	7.83	7.82		
2	Temperature (degree C)			26.4	26.4	26.3	26.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.0	180.8	181.4	180.6		
4	Turbidity (NTU)	1.00	5.00	1.89	1.65	1.82	1.80		
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	1	1		1		
7	Total Hardness (mg/L)	200.00	600.00	148.00	148.00	148.00	148.00		
8	Total Alkalinity (mg/L)	200.00	600.00	141.44	137.02	137.02	132.60		
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	29.14	29.14	29.14	29.14		
C. Ba	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		

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: 31.05.2024

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 – 12

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

Sl. No	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source	SOURCE (PHE SUPPLY)				
110		(IS 10500-2012)		AA – IID, O.H.R - 12				
			(IS 10500-2012)	INLET OF O.H.R.	OUTLET OF O.H.R.	GREEN FIELD AMBITION		
A. P	hysico-chemical Test Results	s:		I.	1			
1	pH Value.	6.5-8.5	6.5-8.5	7.83	7.82	7.80		
2	Temperature (degree C)			26.2	26.2	26.3		
3	Total Dissolved Solid (mg/L)	500.00	2000.00	181.8	182.1	181.9		
4	Turbidity (NTU)	1.00	5.00	1.51	1.44	1.63		
5	Residual Free Chlorine (mg/L)	0.20	1.00	0.8	0.1	0.1		
6	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
В.	Chemical Test Results:							
7	Total Hardness (mg/L)	200.00	600.00	144.00	144.00	144.00		
8	Total Alkalinity (mg/L)	200.00	600.00	137.02	137.02	141.44		
9	Iron(as Fe) (mg/L)	1.0	No Relaxation	<0.1	<0.1	<0.1		
10	Chloride (mg/L)	250.00	1000.00	29.14	29.14	29.14		
C. 1	Bacteriological Test Results:							
11	Total Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF		
12	Fecal Coliform (CFU/100 ml)	Absent	Absent	NF	NF	NF		

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

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

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

Date of Testing: 31.05.2024