**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 – 700 163**

# WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF NEW TOWN KOLKATA PROJECT, DURING MONTH OCTOBER' 2026

# ACTION AREA – I
# (OCTOBER' 2026)

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 – 700 163

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

**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)** **Date of Testing: 01.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - I | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | AD-26 | AA-05 | AC-55 | AC-190 |
| **A. Physico-chemical Test Results:** | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.88 | 7.92 | 7.95 | 7.92 | 7.96 | 7.91 |
| 2 | Temperature (degree C) | ---- | ---- | 26.0 | 26.0 | 25.8 | 26.0 | 25.9 | 25.8 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 140.0 | 141.4 | 140.5 | 140.9 | 141.2 | 141.1 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.78 | 0.82 | 0.63 | 0.61 | 0.62 | 0.68 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 118.73 | 114.77 | 110.81 | 106.86 | 110.81 | 110.81 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 98.88 | 94.76 | 94.76 | 94.76 | 98.88 | 94.76 |
| 19 | Iron(as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 15.09 | 15.09 | 16.97 | 18.86 | 16.97 | 16.97 |
| **C. Bacteriological Test Results :** | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |

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

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

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

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

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

# TEST REPORT: AA – I, O.H.R – VII

**Sub. : Water Testing (Physico-Chemical ,Chemical & Bacteriological)** **Date of Testing: 01.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - VII | | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | HIDCO BHAWAN | DC-57 | DC-210 | DC-248 | DC-187 |
| A. Physico-chemical Test Results: | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.91 | 7.97 | 7.92 | 7.90 | 7.92 | 7.96 | 7.93 |
| 2 | Temperature (degree C) | ---- | ---- | 25.6 | 26.6 | 25.8 | 25.8 | 26.2 | 26.1 | 25.9 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 138.3 | 140.9 | 139.8 | 141.7 | 140.4 | 140.3 | 141.1 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.73 | 0.63 | 0.68 | 0.68 | 0.71 | 0.56 | 0.72 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.1 | 0.3 | 0.3 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 118.73 | 114.77 | 110.81 | 110.81 | 106.86 | 110.81 | 106.86 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 94.76 | 98.88 | 98.88 | 94.76 | 98.88 | 94.76 | 94.76 |
| 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 | 1000 | 15.09 | 15.09 | 15.09 | 16.97 | 16.97 | 16.97 | 15.09 |
| C. Bacteriological Test Results : | | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF |

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

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

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

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

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GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER. NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING. WATER TREATMENT PLANT SITE. NEAR TANK NO-I
NEW TOWN. RAJARHAT. KOLKATA – 700 163

## TEST REPORT: AA – I. O.H.R – VIII

**Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological)** **Date of Testing: 05.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - VIII | | | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | DA-30 | DC-14 | DA-88 | DC-10 | DB-222 | DC-23 |
| **A. Physico-chemical Test Results:** | | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.78 | 7.84 | 7.80 | 7.82 | 7.84 | 7.85 | 7.85 | 7.93 |
| 2 | Temperature (degree C) | ---- | ---- | 26.7 | 26.6 | 26.0 | 26.1 | 26.1 | 26.2 | 26.0 | 26.2 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 134.5 | 136.3 | 136.2 | 136.8 | 135.5 | 132.8 | 133.8 | 137.8 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.92 | 0.65 | 0.50 | 0.47 | 0.47 | 0.43 | 0.42 | 0.64 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.3 | 0.4 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | | | |
| 7 | Total Hardness. (mg/L) | 200.00 | 600.00 | 118.73 | 114.77 | 110.81 | 110.81 | 110.81 | 110.81 | 110.81 | 114.77 |
| 8 | Total Alkalinity. (mg/L) | 200.00 | 600.00 | 86.52 | 86.52 | 90.64 | 90.64 | 90.64 | 90.64 | 90.64 | 90.64 |
| 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 | 15.09 | 15.09 | 16.97 | 16.97 | 16.97 | 16.97 | 16.97 | 16.97 |
| **C. Bacteriological Test Results:** | | | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF | NF |

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

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

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

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

GOVERNMENT OF WEST BENGAL
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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 – 700 163

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

**Sub. : Water Testing (Physico-Chemical , Chemical & Bacteriological)** **Date of Testing: 08.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - IV | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | BF-75 | BC-92 | SNEHODIYA |
| **A. Physico-chemical Test Results:** | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.86 | 7.87 | 7.98 | 7.99 | 7.97 |
| 2 | Temperature (degree C) | ---- | ---- | 26.5 | 26.3 | 25.5 | 25.7 | 25.7 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 136.6 | 136.5 | 137.2 | 137.3 | 137.6 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.64 | 0.54 | 0.54 | 0.50 | 0.46 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.6 | 0.3 | 0.4 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 110.81 | 110.81 | 110.81 | 110.81 | 106.86 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 94.76 | 90.64 | 90.64 | 90.64 | 90.64 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 15.09 | 15.09 | 15.09 | 15.09 | 15.09 |
| **C. Bacteriological Test Results:** | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF |

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

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

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

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

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

**TEST REPORT: AA – I, O.H.R – III**

**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)** **Date of Testing: 08.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - III | | | | | |
| | | | | INLET OF O.H.R | OUTLET OF O.H.R | AL/1/C/28 | AI-180 | AL/1/C/40 | AI/153/24 |
| **A. Physico-chemical Test Results :** | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.89 | 7.81 | 7.82 | 7.91 | 7.98 | 7.96 |
| 2 | Temperature(degree C) | ---- | ---- | 25.2 | 25.8 | 25.3 | 25.5 | 25.5 | 25.5 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 134.5 | 135.7 | 135.7 | 136.4 | 136.5 | 136.7 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.50 | 0.45 | 0.51 | 0.58 | 0.51 | 0.60 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.4 | 0.3 | 0.2 | 0.1 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results :** | | | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 114.77 | 106.86 | 110.81 | 106.86 | 106.86 | 106.86 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 94.76 | 90.64 | 90.64 | 90.64 | 90.64 | 90.64 |
| 9 | Iron(as Fe) (mg/L) | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 15.09 | 15.09 | 15.09 | 15.09 | 15.09 | 15.09 |
| **C. Bacteriological Test Results:** | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |

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

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – I, O.H.R – X**

**Sub. : Water Testing (Physico-chemical & Chemical)** **Date of Testing: 12.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | |
|---|---|---|---|---|---|---|---|
| | | | | O.H.R - X | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | GREEN FIELD – 4D | CHITTARANJAN NATIONAL CANCER INSTITUTE |
| **A. Physico-chemical Test Results:** | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.82 | 7.91 | 7.95 | 7.96 |
| 2 | Temperature(degree C) | ---- | ---- | 26.5 | 26.4 | 25.3 | 25.5 |
| 3 | Total Dissolved Solid(mg/L) | 500.00 | 2000.00 | 138.8 | 140.8 | 139.3 | 140.5 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.84 | 0.91 | 0.94 | 0.93 |
| 5 | Residual Free Chlorine(mg/L) | 0.20 | 1.00 | 0.4 | 0.4 | 0.2 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 110.81 | 114.77 | 106.86 | 106.86 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 94.76 | 90.64 | 90.64 | 94.76 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – I, O.H.R – IX**

**Sub. : Water Testing (Physico-chemical & Chemical)** **Date of Testing: 12.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | |
|---|---|---|---|---|---|---|---|
| | | | | O.H.R - IX | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | DAWAT RESTAURANT | RISHI TOWER |
| **A. Physico-chemical Test Results:** | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.87 | 7.94 | 7.96 | 7.98 |
| 2 | Temperature(degree C) | ---- | ---- | 25.8 | 25.8 | 25.8 | 25.6 |
| 3 | Total Dissolved Solid. (mg/L) | 500.00 | 2000.00 | 141.4 | 141.9 | 140.8 | 141.6 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.69 | 0.57 | 0.59 | 0.54 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.4 | 0.4 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 114.77 | 110.81 | 110.81 | 106.86 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 94.76 | 90.64 | 90.64 | 90.64 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

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

**Sub.: Water Testing (Physico-chemical, Chemical & Bacteriological)** **Date of Testing: 13.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - II | | | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | NEWTOWN BUS STAND | AE-65 | AE-50 | AB-13 | AE-97 | AB-72 |
| **A. Physico-chemical Test Results:** | | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.77 | 7.91 | 7.94 | 7.96 | 7.95 | 7.94 | 7.98 | 7.95 |
| 2 | Temperature(degree C) | ---- | ---- | 26.1 | 25.9 | 25.8 | 26.0 | 26.0 | 26.2 | 26.1 | 25.9 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 142.2 | 144.1 | 144.4 | 144.1 | 145.0 | 145.4 | 145.2 | 145.4 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.78 | 0.73 | 0.73 | 0.66 | 0.79 | 0.73 | 0.91 | 0.77 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 118.73 | 118.73 | 114.77 | 122.68 | 118.73 | 122.68 | 118.73 | 122.68 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 98.88 | 98.88 | 98.88 | 103.00 | 103.00 | 98.88 | 103.00 | 98.88 |
| 9 | Iron(as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 16.97 | 16.97 | 18.86 | 16.97 | 18.86 | 18.86 | 18.86 | 18.86 |
| **C. Bacteriological Test Results :** | | | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF | NF |

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

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

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

**Sub. : Water Testing (Physico-Chemical & Chemical)** **Date of Testing: 30.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - V | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | CA-27 | CA-246 | CA-40 | CB-18 |
| **A. Physico - chemical Test Results:** | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.88 | 7.84 | 7.92 | 7.94 | 7.95 | 7.92 |
| 2 | Temperature(degree C) | ---- | ---- | 26.6 | 26.6 | 25.9 | 25.8 | 25.8 | 25.9 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 148.7 | 148.3 | 148.9 | 148.5 | 148.1 | 148.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.52 | 0.46 | 0.54 | 0.37 | 0.71 | 0.55 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 135.10 | 131.13 | 131.13 | 139.07 | 139.07 | 139.07 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 121.22 | 121.22 | 121.22 | 121.22 | 121.22 | 125.40 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

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

**Sub.: Water Testing (Physico-chemical & Chemical)** **Date of Testing: 30.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | O.H.R - VI | | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | NBCC | CE /1/C/52 | CE -74 | CE-197 | CE /1/C/170 |
| **A. Physico - chemical Test Results:** | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.82 | 7.87 | 7.91 | 7.94 | 7.95 | 7.94 | 7.90 |
| 2 | Temperature (degree C) | ---- | ---- | 26.1 | 26.4 | 25.2 | 25.6 | 25.3 | 25.8 | 25.7 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 146.6 | 148.6 | 148.6 | 149.1 | 148.0 | 149.2 | 148.6 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.62 | 0.73 | 0.64 | 0.59 | 0.72 | 0.61 | 0.48 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.4 | 0.3 | 0.3 | 0.2 | 0.4 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 135.10 | 135.10 | 131.13 | 131.13 | 135.10 | 135.10 | 135.10 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 125.40 | 125.40 | 125.40 | 121.22 | 121.22 | 117.04 | 117.04 |

**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.**

# ACTION AREA – II
# (OCTOBER' 2026)

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 – 700 163

**TEST REPORT: AA – II A, O.H.R – 17**

**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)** **Date of Testing: 07.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|---|---|---|---|---|---|---|
| | | | | AA – IIA, O.H.R – 17 | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | ALIAH UNIVERSITY |
| **A. Physico-chemical Test Results:** | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.87 | 7.83 | 7.98 |
| 2 | Temperature (degree C) | ---- | ---- | 26.8 | 26.6 | 25.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 138.3 | 138.0 | 136.7 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.96 | 0.96 | 0.85 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.6 | 0.6 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 110.81 | 114.77 | 110.81 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 90.64 | 94.76 | 90.64 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 15.09 | 16.97 | 15.09 |
| **C. Bacteriological Test Results:** | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |

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

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

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

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

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

## TEST REPORT: AA – II B, O.H.R – 15

**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)** **Date of Testing: 07.10.2026**

| 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 | NKDA MKT | SHILPI VILLA |
| **A. Physico-chemical Test Results:** | | | | | | | | | |
| 1 | pH Value. | 6.5 to 8.5 | 6.5 to 8.5 | 7.83 | 7.87 | 7.96 | 7.99 | 7.98 | 7.97 |
| 2 | Temperature (degree C) | ---- | ---- | 26.6 | 26.5 | 25.0 | 25.5 | 25.4 | 25.4 |
| 3 | Total Dissolved Solid (mg/L) | 500 | 2000 | 137.8 | 136.8 | 134.8 | 135.6 | 135.7 | 136.3 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.97 | 0.91 | 0.81 | 0.81 | 0.81 | 0.91 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 110.81 | 114.77 | 106.86 | 106.86 | 110.81 | 110.81 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 94.76 | 90.64 | 90.64 | 90.64 | 94.76 | 94.76 |
| 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 | 16.97 | 16.97 | 16.97 | 16.97 | 15.08 | 16.97 |
| **C. Bacteriological Test Results :** | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |

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

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – II, O.H.R – 16**

**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)** **Date of Testing: 07.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | |
|---|---|---|---|---|---|
| | | | | AA – II, O.H.R – 16 | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. |
| **A. Physico-chemical Test Results:** | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.69 | 7.82 |
| 2 | Temperature (degree C) | ---- | ---- | 26.3 | 26.8 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 137.0 | 137.5 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.90 | 0.84 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.1 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 114.77 | 106.86 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 94.76 | 94.76 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 15.09 | 13.20 |
| **C. Bacteriological Test Results:** | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF |

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

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – IIG, O.H.R – 18**

**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)** **Date of Testing: 07.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | |
|---|---|---|---|---|---|
| | | | | AA – IIG, O.H.R – 18 | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. |
| **A. Physico-chemical Test Results:** | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.84 | 7.80 |
| 2 | Temperature (degree C) | ---- | ---- | 26.7 | 26.7 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 139.0 | 138.7 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.94 | 0.82 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.6 | 0.6 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 110.81 | 106.86 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 90.64 | 90.64 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 15.09 | 15.09 |
| **C. Bacteriological Test Results:** | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF |

**O.H.R. – OVER HEAD RESERVOIR, NF- NOT FOUND**

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – IIG, O.H.R – 18**

**Sub. : Water Testing (Physico-chemical & Chemical)** **Date of Testing: 12.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | |
|---|---|---|---|---|---|
| | | | | AA – IIG, O.H.R – 18 | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. |
| **A. Physico-chemical Test Results:** | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.82 | 7.91 |
| 2 | Temperature (degree C) | ---- | ---- | 26.0 | 25.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 143.6 | 142.5 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.69 | 0.83 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.6 | 0.8 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 118.73 | 114.77 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 94.76 | 90.64 |

**O.H.R. – OVER HEAD RESERVOIR**

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – II C, O.H.R – 13**

**Sub. : Water Testing (Physico-Chemical & Chemical)** **Date of Testing: 14.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | AA – IIC, O.H.R - 13 | | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | AKANKHA | NKDA MKT | STARLIT COMPLEX | HILAND WOODS | MOON BEAM |
| **A. Physico-chemical Test Results:** | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.95 | 7.92 | 7.97 | 7.95 | 7.98 | 7.96 | 7.94 |
| 2 | Temperature (degree C) | ---- | ---- | 26.7 | 26.6 | 26.4 | 26.4 | 26.6 | 26.7 | 26.8 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 143.9 | 144.4 | 145.2 | 145.4 | 146.1 | 145.1 | 145.4 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.90 | 0.81 | 0.93 | 0.83 | 0.80 | 0.93 | 0.83 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.4 | 0.1 | 0.4 | 0.3 | 0.1 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 118.73 | 118.73 | 114.77 | 110.81 | 110.81 | 114.77 | 114.77 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 103.00 | 103.00 | 98.88 | 98.88 | 98.88 | 98.88 | 94.76 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – II D, O.H.R – 11**

**Sub. : Water Testing (Physico-chemical & Chemical)** **Date of Testing: 14.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | |
|---|---|---|---|---|---|---|---|
| | | | | AA – IID, O.H.R - 11 | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | ALATIKA | GREEN WOOD SONATA |
| **A. Physico-Chemical Test Results:** | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.87 | 7.95 | 7.99 | 7.97 |
| 2 | Temperature (degree C) | ---- | ---- | 26.7 | 26.4 | 26.4 | 26.4 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 144.0 | 143.4 | 145.7 | 145.7 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.80 | 0.90 | 0.89 | 0.88 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.4 | 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 | 118.73 | 118.73 | 114.77 | 114.77 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 98.88 | 98.88 | 94.76 | 98.88 |

**O.H.R. – OVER HEAD RESERVOIR**

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – II D, O.H.R – 12**

**Sub. : Water Testing (Physico-chemical & Chemical)** **Date of Testing: 14.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|---|---|---|---|---|---|---|
| | | | | AA – IID, O.H.R - 12 | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | GREEN FIELD AMBITION |
| **A. Physico-chemical Test Results:** | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.85 | 7.86 | 7.96 |
| 2 | Temperature (degree C) | ---- | ---- | 26.7 | 26.7 | 26.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 144.5 | 144.6 | 144.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.83 | 0.84 | 0.89 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.3 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 122.69 | 118.73 | 114.77 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 98.88 | 98.88 | 94.73 |

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

## TEST REPORT: AA – II C, O.H.R – 13

**Sub. : Water Testing (Physico-Chemical, Chemical & Bacteriological)** **Date of Testing: 27.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | AA – IIC, O.H.R - 13 | | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | AKANKHA | NKDA MKT | STARLIT COMPLEX | HILAND WOODS | MOON BEAM |
| **A. Physico-chemical Test Results:** | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.86 | 7.87 | 7.96 | 7.98 | 7.97 | 7.95 | 7.96 |
| 2 | Temperature (degree C) | ---- | ---- | 26.8 | 26.8 | 25.6 | 25.6 | 25.6 | 25.8 | 25.7 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 139.0 | 137.8 | 139.5 | 141.0 | 140.0 | 141.7 | 141.5 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.98 | 0.91 | 0.90 | 0.85 | 0.80 | 0.45 | 0.48 |
| 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 |
| **B. Chemical Test Results:** | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 131.13 | 127.16 | 127.16 | 127.16 | 127.16 | 127.16 | 131.13 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 125.40 | 125.40 | 121.22 | 121.22 | 121.22 | 121.22 | 121.22 |
| 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 | 13.20 | 16.97 | 16.97 | 16.97 | 16.97 | 16.97 | 16.97 |
| **C. Bacteriological Test Results:** | | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF |

OHR- OVERHEAD RESERVOIR, N.F- NOT FOUND,

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – II D, O.H.R – 11**

**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)** **Date of Testing: 27.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | |
|---|---|---|---|---|---|---|---|
| | | | | AA – IID, O.H.R - 11 | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | ALAKTIKA | GREENWOOD SONATA |
| **A. Physico-Chemical Test Results:** | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.87 | 7.84 | 7.94 | 7.98 |
| 2 | Temperature (degree C) | ---- | ---- | 26.8 | 26.9 | 25.9 | 25.9 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 139.9 | 139.5 | 140.6 | 141.1 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.90 | 0.99 | 0.90 | 0.80 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.4 | 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 | 131.13 | 127.16 | 131.13 | 131.13 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 125.40 | 125.40 | 121.22 | 121.22 |
| 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 | 16.97 | 15.09 | 16.97 | 16.97 |
| **C. Bacteriological Test Results:** | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF |

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

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

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

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

**GOVERNMENT OF WEST BENGAL**
**DIRECTORATE OF PUBLIC HEALTH ENGINEERING**
**OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I**
**ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I**
**NEW TOWN, RAJARHAT, KOLKATA – 700 163**

**TEST REPORT: AA – II D, O.H.R – 12**

**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)** **Date of Testing: 27.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|---|---|---|---|---|---|---|
| | | | | AA – IID, O.H.R - 12 | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | GREEN FIELD AMBITION |
| **A. Physico-chemical Test Results:** | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.83 | 7.84 | 7.89 |
| 2 | Temperature (degree C) | ---- | ---- | 26.8 | 26.7 | 25.9 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 138.8 | 139.0 | 141.1 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.91 | 0.86 | 0.84 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.4 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 131.13 | 135.10 | 135.10 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 125.40 | 125.40 | 125.40 |
| 9 | Iron(as Fe) (mg/L) | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 16.97 | 16.97 | 15.09 |
| **C. Bacteriological Test Results:** | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |

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

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

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

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

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

**TEST REPORT: AA – II A, O.H.R – 17**

**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)** **Date of Testing: 29.10.2026**

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|---|---|---|---|---|---|---|
| | | | | AA – IIA, O.H.R – 17 | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | ALIAH UNIVERSITY |
| **A. Physico-chemical Test Results:** | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.98 | 7.96 | 7.97 |
| 2 | Temperature (degree C) | ---- | ---- | 26.4 | 26.5 | 25.8 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 148.3 | 148.4 | 149.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.87 | 0.91 | 0.92 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.6 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 135.10 | 131.13 | 131.13 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 112.86 | 121.22 | 117.04 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 16.97 | 16.97 | 15.09 |
| **C. Bacteriological Test Results:** | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |

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

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

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

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

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
OFFICE OF THE EXECUTIVE ENGINEER, NEW TOWN KOLKATA WATER SUPPLY DIVISION-I
ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

**TEST REPORT: AA – II B, O.H.R – 15**

**Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)** **Date of Testing: 29.10.2026**

| 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. Physico-chemical Test Results:** | | | | | | | | | | | |
| 1 | pH Value. | 6.5 to 8.5 | 6.5 to 8.5 | 7.96 | 7.94 | 7.96 | 7.95 | 7.97 | 7.93 | 7.95 | 7.96 |
| 2 | Temperature (degree C) | ---- | ---- | 26.4 | 26.5 | 25.2 | 25.2 | 25.6 | 25.6 | 25.7 | 25.7 |
| 3 | Total Dissolved Solid (mg/L) | 500 | 2000 | 147.6 | 147.7 | 147.7 | 147.8 | 148.5 | 147.8 | 147.5 | 148.9 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.84 | 0.83 | 0.80 | 0.87 | 0.90 | 0.90 | 0.92 | 0.94 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.6 | 0.3 | 0.4 | 0.3 | 0.2 | 0.4 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| **B. Chemical Test Results:** | | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 135.10 | 131.13 | 131.13 | 135.10 | 135.10 | 139.08 | 139.08 | 131.13 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 121.22 | 117.04 | 125.40 | 125.40 | 117.04 | 121.22 | 121.22 | 117.04 |
| 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 | 16.97 | 16.97 | 15.09 | 16.97 | 15.09 | 15.09 | 15.09 | 15.09 |
| **C. Bacteriological Test Results :** | | | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF | NF |

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