

**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
NOVEMBER' 2025**

ACTION AREA – I
(NOVEMBER' 2025)

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: 03.11.2025

| 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 | CB-41 | CB-08 |
| A. Physico - chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.98 | 7.97 | 7.98 | 7.97 | 7.98 | 7.96 |
| 2 | Temperature(degree C) | ---- | ---- | 26.6 | 26.6 | 26.7 | 26.7 | 26.8 | 26.8 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 161.5 | 161.4 | 161.8 | 161.6 | 161.6 | 161.8 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.92 | 0.95 | 0.93 | 0.95 | 0.98 | 0.94 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.4 | 0.3 | 0.2 | 0.3 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 137.76 | 141.82 | 141.82 | 141.82 | 141.82 | 141.82 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 139.50 | 144.00 | 144.00 | 139.50 | 144.00 | 144.00 |

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
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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: 03.11.2025

| 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. | CE/1/B/76 | CE /1/C/203 | CE-173 | CE-133 |
| A. Physico - chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.98 | 7.97 | 7.98 | 7.97 | 7.98 | 7.96 |
| 2 | Temperature (degree C) | ---- | ---- | 26.6 | 26.6 | 26.7 | 26.7 | 26.8 | 26.8 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 161.5 | 161.4 | 161.8 | 161.6 | 161.6 | 161.8 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.92 | 0.95 | 0.93 | 0.95 | 0.98 | 0.94 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.4 | 0.3 | 0.2 | 0.3 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 141.82 | 137.76 | 133.72 | 133.72 | 133.72 | 133.72 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 139.50 | 139.50 | 144.00 | 144.00 | 144.00 |

O.H.R. – OVER HEAD RESERVOIR

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

Sd/-
Assistant Engineer
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I
NEW TOWN, RAJARHAT, KOLKATA – 700 163

TEST REPORT: ACTION AREA –I

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

Date of Testing: 06.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|-----------------------------------|-------------------------------|--|--|---------------------|--------------|--|
| | | | | HIDCO BHAWAN | ALO EYE CARE | NABADIGANTA SWASTHYA PARISHEBA PVT LTD |
| A. Physico-chemical Test Results: | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.76 | 7.77 | 7.79 |
| 2 | Temperature (degree C) | ---- | ---- | 26.6 | 26.6 | 26.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 166.0 | 167.5 | 167.9 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.59 | 0.74 | 0.69 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 141.82 | 145.87 | 145.87 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 139.50 | 135.00 | 135.00 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 24.70 | 22.80 | 22.80 |
| C .Bacteriological Test Results : | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF |

NF-NOT FOUND

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

TEST REPORT: AA – I, O.H.R – VII

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

Date of Testing: 06.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | |
|-----------------------------------|-----------------------------|--|---|---------------------|---------------------|-----------|-----------|-----------|-----------|
| | | | | O.H.R - VII | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | DC-212 | DC-230 | DC-187 | DC-237 |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.75 | 7.76 | 7.79 | 7.80 | 7.81 | 7.82 |
| 2 | Temperature (degree C) | ---- | ---- | 26.5 | 26.5 | 26.5 | 26.5 | 26.4 | 26.4 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 166.9 | 166.7 | 166.8 | 166.9 | 166.3 | 167.1 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.49 | 0.78 | 0.76 | 0.86 | 0.89 | 0.82 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.3 | 0.4 | 0.3 | 0.2 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 145.87 | 141.82 | 145.87 | 145.87 | 145.87 | 145.87 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 135.00 | 135.00 | 139.50 | 144.00 | 144.00 | 144.00 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250 | 1000 | 22.80 | 22.80 | 22.80 | 22.80 | 22.80 | 22.80 |
| 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.

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 06.11.2025

| 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-13 | DC-30 | DA-88 | DB-216 |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.75 | 7.79 | 7.80 | 7.82 | 7.83 | 7.85 |
| 2 | Temperature (degree C) | ---- | ---- | 26.4 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 169.9 | 168.2 | 168.7 | 169.9 | 168.2 | 168.6 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.97 | 0.91 | 0.76 | 0.85 | 0.78 | 0.89 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.3 | 0.6 | 0.3 | 0.2 | 0.4 | 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 | 141.82 | 145.87 | 149.92 | 149.92 | 153.97 | 153.97 |
| 8 | Total Alkalinity. (mg/L) | 200.00 | 600.00 | 135.00 | 135.00 | 139.50 | 144.00 | 144.00 | 139.50 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 20.90 | 20.90 | 20.90 | 20.90 | 20.90 | 20.90 |
| 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
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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 07.11.2025

| 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. | BD-86 | BF-58 | BC-184 | BB-114 | BB-48 |
| A. Physico-chemical Test Results: | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.97 | 7.98 | 7.97 | 7.96 | 7.97 | 7.98 | 7.97 |
| 2 | Temperature (degree C) | ---- | ---- | 26.4 | 26.3 | 26.5 | 26.4 | 26.4 | 26.4 | 26.4 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 169.9 | 169.3 | 169.4 | 169.2 | 169.0 | 168.6 | 169.2 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.88 | 0.71 | 0.85 | 0.80 | 0.52 | 0.91 | 0.63 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.4 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 141.82 | 137.76 | 145.87 | 145.87 | 145.87 | 141.82 | 149.92 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 |

O.H.R. – OVER HEAD RESERVOIR

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

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

Sd/-
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GOVERNMENT OF WEST BENGAL
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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 07.11.2025

| 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/20 | AI-68 | AI/153/23 | AI-54 | AL/1/C/27 | AL/1/C/2 |
| A. Physico-chemical Test Results : | | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.87 | 7.92 | 7.94 | 7.95 | 7.96 | 7.93 | 7.95 | 7.96 |
| 2 | Temperature(degree C) | ---- | ---- | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 171.1 | 170.9 | 169.1 | 170.1 | 169.8 | 169.7 | 169.6 | 169.7 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.60 | 0.83 | 0.79 | 0.69 | 0.91 | 0.57 | 0.85 | 0.71 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.6 | 0.4 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results : | | | | | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 141.82 | 141.82 | 145.87 | 149.92 | 145.87 | 149.92 | 145.87 | 145.87 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 139.50 | 139.50 | 135.00 | 139.50 | 139.50 | 135.00 | 135.00 | 135.00 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 10.11.2025

| 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 | 7.81 | 7.83 | 7.98 | 7.99 |
| 2 | Temperature(degree C) | ---- | ---- | 26.1 | 26.1 | 26.1 | 26.1 |
| 3 | Total Dissolved Solid(mg/L) | 500.00 | 2000.00 | 170.9 | 171.1 | 170.4 | 170.9 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.96 | 0.87 | 0.89 | 0.90 |
| 5 | Residual Free Chlorine(mg/L) | 0.20 | 1.00 | 0.2 | 0.6 | 0.4 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 141.82 | 141.82 | 141.82 | 141.82 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 135.00 | 135.00 | 130.50 | 130.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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NEW TOWN, RAJARHAT, KOLKATA – 700 163

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

Date of Testing: 10.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | |
|-----------------------------------|-------------------------------|--|--|---------------------|------------------|------------------|-------------|-----------|
| | | | | O.H.R - IX | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | DAWAT RESTAURANT | RISHI TOWER | VGM TOWER |
| A. Physico-chemical Test Results: | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.97 | 7.96 | 7.98 | 7.97 | 7.96 |
| 2 | Temperature(degree C) | ---- | ---- | 26.2 | 26.3 | 26.3 | 26.3 | 26.3 |
| 3 | Total Dissolved Solid. (mg/L) | 500.00 | 2000.00 | 170.1 | 170.0 | 170.1 | 170.2 | 169.7 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.97 | 0.98 | 0.81 | 0.85 | 0.81 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.2 | 0.4 | 0.4 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 141.82 | 137.76 | 141.82 | 141.82 | 141.82 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 130.50 | 126.00 | 126.00 | 126.00 | 126.00 |

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
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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: 13.11.2025

| 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. | AE-65 | AE-104 | AE-97 | AE-80 | AE-57 | AE-53 |
| A. Physico-chemical Test Results: | | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.91 | 7.93 | 7.92 | 7.94 | 7.93 | 7.94 | 7.95 | 7.96 |
| 2 | Temperature(degree C) | ---- | ---- | 25.1 | 25.1 | 25.1 | 25.1 | 25.2 | 25.2 | 25.2 | 25.2 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 166.2 | 166.1 | 166.1 | 165.7 | 165.8 | 166.0 | 166.0 | 165.7 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.94 | 0.96 | 0.90 | 0.97 | 0.92 | 0.75 | 0.85 | 0.67 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.4 | 0.3 | 0.1 | 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 | 141.82 | 145.87 | 141.82 | 145.87 | 145.87 | 145.87 | 145.87 | 145.87 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 135.00 | 135.00 | 139.50 | 139.50 | 139.50 | 139.50 | 139.50 | 139.50 |
| 9 | Iron(as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 |
| 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

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

Date of Testing: 17.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|-----------------------------------|-------------------------------|--|--|---------------------|--------------|--|
| | | | | HIDCO BHAWAN | ALO EYE CARE | NABADIGANTA SWASTHYA PARISHEBA PVT LTD |
| A. Physico-chemical Test Results: | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.82 | 7.84 | 7.80 |
| 2 | Temperature (degree C) | ---- | ---- | 26.3 | 26.3 | 26.3 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 166.1 | 167.8 | 167.4 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.82 | 0.85 | 0.89 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 144.43 | 148.44 | 144.43 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 153.00 | 153.00 | 148.50 |

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 – VII

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

Date of Testing: 17.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | |
|-----------------------------------|--------------------------|--|---|---------------------|---------------------|-----------|-----------|-----------|-----------|
| | | | | O.H.R - VII | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | DC-212 | DC- 245 | DC-230 | DC-187 |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.82 | 7.85 | 7.83 | 7.84 | 7.87 | 7.89 |
| 2 | Temperature (degree C) | ---- | ---- | 26.6 | 26.6 | 26.5 | 26.5 | 26.4 | 26.4 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 166.9 | 166.6 | 166.1 | 166.2 | 166.0 | 165.8 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.60 | 0.81 | 0.62 | 0.74 | 0.60 | 0.51 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.4 | 0.6 | 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 | 144.43 | 144.43 | 144.43 | 144.43 | 144.43 | 144.43 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 148.50 | 148.50 | 148.50 | 148.50 | 148.50 | 148.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 17.11.2025

| 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. | DC-14 | DC-30 | DB-222 | DB-216 |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.91 | 7.90 | 7.91 | 7.89 | 7.87 | 7.86 |
| 2 | Temperature (degree C) | ---- | ---- | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 166.8 | 166.5 | 166.4 | 167.2 | 166.8 | 166.7 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.81 | 0.81 | 0.86 | 0.84 | 0.91 | 0.91 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.3 | 0.6 | 0.2 | 0.1 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | |
| 7 | Total Hardness. (mg/L) | 200.00 | 600.00 | 144.43 | 148.44 | 148.44 | 144.43 | 144.43 | 148.44 |
| 8 | Total Alkalinity. (mg/L) | 200.00 | 600.00 | 144.00 | 144.00 | 148.50 | 148.50 | 148.50 | 148.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 18.11.2025

| 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. | CB-41 | CA-246 | CB-27 | CA-237 | CA-40 |
| A. Physico - chemical Test Results: | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.80 | 7.81 | 7.82 | 7.84 | 7.85 | 7.86 | 7.87 |
| 2 | Temperature(degree C) | ---- | ---- | 26.4 | 26.4 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 169.1 | 169.5 | 168.8 | 167.9 | 168.3 | 168.4 | 168.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.88 | 0.96 | 0.81 | 0.80 | 0.83 | 0.89 | 0.58 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.6 | 0.2 | 0.1 | 0.3 | 0.2 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 148.44 | 144.43 | 140.42 | 140.42 | 140.42 | 140.42 | 140.42 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 144.00 | 139.50 | 144.00 | 139.50 | 139.50 | 139.50 |
| 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 | 24.52 | 24.52 | 22.63 | 22.63 | 22.63 | 22.63 | 22.63 |
| C .Bacteriological Test Results : | | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF | NF |

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

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

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

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

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

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

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

Date of Testing: 18.11.2025

| 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. | CE -173 | CE/1/C/203 | CE -133 | CE/1/C/183 |
| A. Physico - chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.86 | 7.87 | 7.89 | 7.87 | 7.86 | 7.87 |
| 2 | Temperature(degree C) | ---- | ---- | 26.6 | 26.6 | 26.6 | 26.5 | 26.5 | 26.5 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 169.1 | 168.3 | 167.6 | 167.5 | 167.6 | 167.6 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.88 | 0.91 | 0.95 | 0.88 | 0.81 | 0.80 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.6 | 0.3 | 0.3 | 0.4 | 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 | 144.43 | 140.42 | 136.41 | 136.41 | 136.41 | 136.41 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 139.50 | 144.00 | 148.50 | 144.00 | 139.50 | 144.00 |
| 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 | 26.40 | 24.52 | 22.63 | 22.63 | 22.63 | 22.63 |
| C. Bacteriological Test Results : | | | | | | | | | |
| 11 | Total Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |
| 12 | Fecal Coliform (CFU/100 ml) | Absent | Absent | NF | NF | NF | NF | NF | NF |

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

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

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

Date of Testing: 20.11.2025

| 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 - 3 | AC- 8 | AC-37 |
| A. Physico-chemical Test Results: | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.95 | 7.97 | 7.98 | 7.96 | 7.98 |
| 2 | Temperature (degree C) | ---- | ---- | 24.7 | 24.5 | 24.5 | 24.5 | 24.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 170.9 | 170.1 | 169.7 | 169.5 | 169.5 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.92 | 0.98 | 0.94 | 0.90 | 0.87 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.4 | 0.3 | 0.2 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 140.42 | 144.43 | 144.43 | 140.42 | 140.42 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 148.50 | 144.00 | 144.00 | 144.00 |

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)

Date of Testing: 20.11.2025

| 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. | AE-68 | AE-104 | AE-53 | AE-80 |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.97 | 7.98 | 7.96 | 7.97 | 7.96 | 7.97 |
| 2 | Temperature (degree C) | ---- | ---- | 24.8 | 24.8 | 24.8 | 24.9 | 24.9 | 24.8 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 170.1 | 169.3 | 166.4 | 168.8 | 168.8 | 167.6 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.94 | 0.93 | 0.99 | 0.96 | 0.86 | 0.83 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 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 | 140.42 | 144.43 | 140.42 | 144.43 | 144.43 | 140.42 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 148.50 | 139.50 | 144.00 | 144.00 | 144.00 | 144.00 |

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

Date of Testing: 24.11.2025

| 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 | 7.89 | 7.88 | 7.87 | 7.89 |
| 2 | Temperature(degree C) | ---- | ---- | 24.4 | 24.4 | 24.4 | 24.5 |
| 3 | Total Dissolved Solid(mg/L) | 500.00 | 2000.00 | 175.3 | 175.5 | 175.2 | 175.0 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.89 | 0.90 | 0.98 | 0.89 |
| 5 | Residual Free Chlorine(mg/L) | 0.20 | 1.00 | 0.6 | 0.3 | 0.2 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | |
| 7 | Total Hardness, (mg/L) | 200.00 | 600.00 | 148.44 | 152.46 | 148.44 | 148.44 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 153.00 | 153.00 | 153.00 | 153.00 |

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: 24.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | |
|-----------------------------------|-------------------------------|--|--|---------------------|------------------|------------------|-------------|-----------|
| | | | | O.H.R - IX | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | DAWAT RESTAURANT | RISHI TOWER | VGM TOWER |
| A. Physico-chemical Test Results: | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.88 | 7.89 | 7.91 | 7.93 | 7.95 |
| 2 | Temperature(degree C) | ---- | ---- | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| 3 | Total Dissolved Solid. (mg/L) | 500.00 | 2000.00 | 175.0 | 174.9 | 174.8 | 175.0 | 175.1 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.89 | 0.97 | 0.89 | 0.93 | 0.84 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.6 | 0.6 | 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 | 144.43 | 144.43 | 140.42 | 140.42 | 140.42 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 148.50 | 153.00 | 153.00 | 153.00 | 153.00 |

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

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

Date of Testing: 25.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|-----------------------------------|-------------------------------|--|--|---------------------|--------------|--|
| | | | | HIDCO BHAWAN | ALO EYE CARE | NABADIGANTA SWASTHYA PARISHEBA PVT LTD |
| A. Physico-chemical Test Results: | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.73 | 7.75 | 7.80 |
| 2 | Temperature (degree C) | ---- | ---- | 25.3 | 25.2 | 25.2 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 174.9 | 178.1 | 178.2 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.73 | 0.86 | 0.86 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 148.44 | 144.43 | 144.43 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 148.50 | 148.50 | 148.50 |

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 – VII

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

Date of Testing: 25.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | |
|-----------------------------------|--------------------------|--|---|---------------------|---------------------|-----------|-----------|-----------|-----------|
| | | | | O.H.R - VII | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | DC-245 | DC- 230 | DC-187 | DC-210 |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.83 | 7.82 | 7.85 | 7.86 | 7.85 | 7.88 |
| 2 | Temperature (degree C) | ---- | ---- | 25.2 | 25.2 | 25.2 | 25.3 | 25.3 | 25.3 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 177.0 | 177.6 | 177.6 | 177.3 | 177.4 | 177.0 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.85 | 0.60 | 0.73 | 0.92 | 0.73 | 0.64 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.1 | 0.4 | 0.4 | 0.3 | 0.2 | 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 | 148.44 | 144.43 | 144.43 | 144.43 | 144.43 | 144.43 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 148.50 | 148.50 | 148.50 | 148.50 | 144.00 | 144.00 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

Date of Testing: 25.11.2025

| 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. | DC-37 | DC-14 | DB-216 | DA-30 |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.89 | 7.88 | 7.87 | 7.89 | 7.88 | 7.89 |
| 2 | Temperature (degree C) | ---- | ---- | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 |
| 3 | Total Dissolved Solid. | 500.00 | 2000.00 | 179.8 | 179.2 | 178.9 | 179.1 | 178.9 | 179.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.61 | 0.61 | 0.73 | 0.90 | 0.84 | 0.95 |
| 5 | Residual Free Chlorine | 0.20 | 1.00 | 0.3 | 0.4 | 0.2 | 0.2 | 0.3 | 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 | 148.44 | 144.43 | 144.43 | 144.43 | 144.43 | 144.43 |
| 8 | Total Alkalinity. (mg/L) | 200.00 | 600.00 | 148.50 | 148.50 | 148.50 | 148.50 | 144.00 | 144.00 |

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 - IV

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

Date of Testing: 26.11.2025

| 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. | BD-86 | BF-75 | BB-48 | SNEHODIYA |
| A. Physico-chemical Test Results: | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.85 | 7.90 | 7.94 | 7.95 | 7.97 | 7.96 |
| 2 | Temperature (degree C) | ---- | ---- | 24.4 | 24.4 | 24.5 | 24.5 | 24.5 | 24.4 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 183.2 | 183.8 | 183.3 | 183.4 | 183.1 | 182.4 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.93 | 0.55 | 0.61 | 0.66 | 0.82 | 0.90 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.6 | 0.3 | 0.4 | 0.3 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 148.44 | 144.43 | 140.42 | 140.42 | 140.42 | 140.42 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 144.00 | 144.00 | 144.00 | 148.50 | 148.50 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 24.51 | 24.51 | 24.51 | 24.51 | 24.51 | 24.51 |
| 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 – III
Sub. : Water Testing (Physico-chemical & Chemical & Bacteriological)

Date of Testing: 26.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | |
|------------------------------------|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|
| | | | | O.H.R - III | | | | | |
| | | | | INLET OF O.H. R | OUTLET OF O.H. R | AI/1/C/20 | AL/1/C/6 | AI/153/23 | AI-68 |
| A. Physico-chemical Test Results : | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.97 | 7.98 | 7.96 | 7.97 | 7.96 | 7.97 |
| 2 | Temperature(degree C) | ---- | ---- | 24.4 | 24.4 | 24.4 | 24.5 | 24.5 | 24.5 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 183.3 | 183.2 | 183.0 | 182.5 | 183.0 | 182.4 |
| 4 | Turbidity, (NTU) | 1.00 | 5.00 | 0.90 | 0.62 | 0.89 | 0.98 | 0.69 | 0.70 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.6 | 0.6 | 0.3 | 0.4 | 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 | 148.44 | 144.43 | 140.42 | 140.42 | 140.42 | 140.42 |
| 8 | Total Alkalinity, (mg/L) | 200.00 | 600.00 | 144.00 | 144.00 | 144.00 | 144.00 | 148.50 | 148.50 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 24.51 | 24.51 | 24.51 | 24.51 | 24.51 | 24.51 |
| 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: ACTION AREA - I, O.H.R – V

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

Date of Testing: 28.11.2025

| 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-246 | CA-237 | CB-41 | CA-27 | CA-40 |
| A. Physico - chemical Test Results: | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.91 | 7.90 | 7.92 | 7.93 | 7.95 | 7.94 | 7.97 |
| 2 | Temperature(degree C) | ---- | ---- | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 190.3 | 189.9 | 189.9 | 189.7 | 189.6 | 189.7 | 190.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.79 | 0.93 | 0.79 | 0.95 | 0.89 | 0.86 | 0.84 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.2 | 0.4 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 152.46 | 152.46 | 156.47 | 152.46 | 152.46 | 152.46 | 152.46 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 162.00 | 162.00 | 162.00 | 157.50 | 157.50 | 157.50 | 157.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

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

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

Date of Testing: 28.11.2025

| 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. | CE /1/C/203 | CE-133 | CE/1/C/183 | CE/1/A/144 | CE-173 | CE/1/B/76 |
| A. Physico - chemical Test Results: | | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.94 | 7.96 | 7.97 | 7.98 | 7.96 | 7.98 | 7.97 | 7.98 |
| 2 | Temperature (degree C) | ---- | ---- | 24.4 | 24.4 | 24.3 | 24.3 | 24.4 | 24.4 | 24.3 | 24.3 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 189.8 | 190.2 | 190.2 | 191.3 | 190.1 | 189.9 | 190.5 | 190.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.88 | 0.93 | 0.84 | 0.85 | 0.88 | 0.87 | 0.90 | 0.87 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.6 | 0.3 | 0.2 | 0.2 | 0.3 | 0.4 | 0.2 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 156.47 | 156.47 | 156.47 | 156.47 | 152.46 | 156.47 | 152.46 | 156.47 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 157.50 | 157.50 | 162.00 | 162.00 | 157.50 | 157.50 | 157.50 | 157.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

ACTION AREA – II
(NOVEMBER' 2025)

**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: 10.11.2025

| 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 | 7.98 | 7.97 |
| 2 | Temperature (degree C) | ---- | ---- | 26.2 | 26.2 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 170.2 | 169.8 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.74 | 0.95 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.6 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 137.76 | 141.82 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 139.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – II A, O.H.R – 17
Sub. : Water Testing (Physico-chemical , Chemical & Bacteriological)

Date of Testing: 12.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | |
|-----------------------------------|-------------------------------|--|---|----------------------|------------------|-----------|
| | | | | AA – IIA, O.H.R – 17 | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | CBD |
| A. Physico-chemical Test Results: | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.98 | 7.97 | 7.96 |
| 2 | Temperature (degree C) | ---- | ---- | 26.1 | 26.0 | 26.0 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 168.3 | 167.8 | 167.7 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.88 | 0.81 | 0.91 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.8 | 0.6 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 137.76 | 137.76 | 141.82 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 130.50 | 135.00 | 135.00 |
| 9 | Iron (as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250.00 | 1000.00 | 24.70 | 24.70 | 24.70 |
| 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: 12.11.2025

| 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 | MALANCHHA | 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 | 7.79 | 7.81 | 7.94 | 7.97 | 7.98 | 7.98 | 7.97 | 7.98 |
| 2 | Temperature (degree C) | ---- | ---- | 25.9 | 25.9 | 25.9 | 25.9 | 25.8 | 25.8 | 25.8 | 25.8 |
| 3 | Total Dissolved Solid (mg/L) | 500 | 2000 | 169.0 | 168.6 | 168.2 | 168.9 | 168.1 | 167.7 | 167.9 | 168.3 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.97 | 0.91 | 0.80 | 0.87 | 0.89 | 0.86 | 0.80 | 0.85 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.6 | 0.2 | 0.4 | 0.3 | 0.2 | 0.2 | 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 | 141.82 | 137.76 | 137.76 | 137.76 | 137.76 | 137.76 | 137.76 | 137.76 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 |
| 9 | Iron(as Fe), mg/L | 1.0 | No Relaxation | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| 10 | Chloride (mg/L) | 250 | 1000 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 | 24.70 |
| 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: AA – II C, O.H.R – 13

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

Date of Testing: 14.11.2025

| 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 | 7.84 | 7.87 | 7.88 | 7.89 | 7.87 | 7.86 | 7.89 |
| 2 | Temperature (degree C) | ---- | ---- | 26.5 | 26.5 | 26.4 | 26.4 | 26.5 | 26.5 | 26.5 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 165.5 | 166.0 | 165.2 | 165.1 | 164.0 | 165.1 | 164.9 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.92 | 0.96 | 0.95 | 0.90 | 0.89 | 0.82 | 0.82 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.2 | 0.4 | 0.3 | 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 | 141.82 | 137.76 | 137.76 | 141.82 | 141.82 | 137.76 | 137.76 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 135.00 | 130.50 | 135.00 | 135.00 | 135.00 | 130.50 | 130.50 |

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: 14.11.2025

| 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 | 7.89 | 7.91 | 7.93 | 7.89 |
| 2 | Temperature (degree C) | ---- | ---- | 26.5 | 26.5 | 26.6 | 26.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 165.5 | 166.0 | 165.3 | 164.5 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.99 | 0.88 | 0.94 | 0.96 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.2 | 0.4 | 0.3 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 141.82 | 145.87 | 141.82 | 137.76 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 135.00 | 130.50 | 130.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

TEST REPORT: AA – IID, O.H.R – 12

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

Date of Testing: 14.11.2025

| 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 | 7.87 | 7.86 |
| 2 | Temperature (degree C) | ---- | ---- | 26.5 | 26.6 | 26.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 165.0 | 165.5 | 164.0 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.95 | 0.83 | 0.80 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.1 | 0.4 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 145.87 | 141.82 | 141.82 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 144.00 | 139.50 |

O.H.R. – OVER HEAD RESERVOIR,

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

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

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

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

TEST REPORT: AA – II A, O.H.R-17

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

Date of Testing: 21.11.2025

| | 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. | HAZ TOWER |
| A. Physico-chemical Test Results: | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.84 | 7.87 | 7.88 |
| 2 | Temperature (degree C) | ---- | ---- | 24.5 | 24.5 | 24.5 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 169.9 | 170.2 | 169.2 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.63 | 0.60 | 0.67 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.8 | 0.4 | 0.3 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 140.42 | 140.42 | 136.41 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 139.50 | 139.50 | 135.00 |

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 B, O.H.R-15
Sub.: Water Testing (Physico-chemical & Chemical)

Date of Testing: 21.11.2025

| Sl. No | Characteristic | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) | | | | | | | |
|-----------------------------------|-------------------------------|--|--|---------------------|------------------|----------------|-----------|-----------|-----------|-------------------|--------------|
| | | | | AA – IIB, O.H.R-15 | | | | | | | |
| | | | | INLET OF O.H.R. | OUTLET OF O.H.R. | HILAND WILLOWS | PLOT-1590 | MALANCH A | NKDA MKT | ECO URBAN VILLAGE | SHILPI VILLA |
| A. Physico-chemical Test Results: | | | | | | | | | | | |
| 1 | pH Value. | 6.5-8.5 | 6.5-8.5 | 7.82 | 7.80 | 7.82 | 7.83 | 7.84 | 7.85 | 7.86 | 7.87 |
| 2 | Temperature (degree C) | ---- | ---- | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.4 | 24.4 | 24.4 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 168.8 | 170.8 | 169.2 | 169.7 | 169.6 | 169.4 | 169.7 | 169.7 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.88 | 0.79 | 0.63 | 0.72 | 0.61 | 0.71 | 0.73 | 0.73 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.3 | 0.6 | 0.2 | 0.4 | 0.2 | 0.3 | 0.3 | 0.4 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | | | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 136.41 | 132.40 | 132.40 | 136.41 | 136.41 | 136.41 | 136.41 | 136.41 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 144.00 | 144.00 | 144.00 | 139.50 | 139.50 | 139.50 | 139.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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

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

**TEST REPORT: AA – IIG, O.H.R – 18
Sub. : Water Testing (Physico-chemical & Chemical)**

Date of Testing: 24.11.2025

| 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 | 7.93 | 7.96 |
| 2 | Temperature (degree C) | ---- | ---- | 24.6 | 24.6 |
| 3 | Total Dissolved Solid (mg/L) | 500.00 | 2000.00 | 174.9 | 174.5 |
| 4 | Turbidity (NTU) | 1.00 | 5.00 | 0.91 | 0.69 |
| 5 | Residual Free Chlorine (mg/L) | 0.20 | 1.00 | 0.4 | 0.1 |
| 6 | Odour | Agreeable | Agreeable | Agreeable | Agreeable |
| B. Chemical Test Results: | | | | | |
| 7 | Total Hardness (mg/L) | 200.00 | 600.00 | 148.44 | 148.44 |
| 8 | Total Alkalinity (mg/L) | 200.00 | 600.00 | 144.00 | 139.50 |

O.H.R. – OVER HEAD RESERVOIR

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

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

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