

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

**WATER QUALITY ANALYSIS REPORT AT DIFFERENT LOCATIONS OF  
NEW TOWN KOLKATA PROJECT, DURING MONTH  
JULY' 2021**

**ACTION AREA – I**  
**(JULY' 2021)**

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

**TEST REPORT: ACTION AREA - I, ZONE – V**

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

**Date of Testing: 02.07.2021**

| Sl. No                                     | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|
|  |                               |  |  | ZONE - V            |                  |           |           |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | CC-201    | CD - 125  | CA- 81    | CB-05     |
| <b>A. Physico - chemical Test Results:</b> |                               |  |  |                     |                  |           |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.27                | 7.27             | 7.27      | 7.27      | 7.28      | 7.28      |
| 2  | Temperature(degree C)         | ----   | ----   | 26.7                | 26.7             | 26.7      | 26.7      | 26.7      | 26.7      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 110.7               | 110.9            | 110.9     | 110.9     | 110.8     | 110.8     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 2.84                | 2.31             | 2.20      | 2.98      | 2.86      | 2.40      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.23                | 0.33             | 0.1       | 0.1       | 0.2       | 0.25      |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>           |                               |  |  |                     |                  |           |           |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 107.12              | 107.12           | 107.12    | 107.12    | 107.12    | 107.12    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 93.66     | 93.66     | 93.66     | 93.66     |

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 – 700 156

**TEST REPORT: ACTION AREA -I, ZONE - IV**

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

Date of Testing: 02.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|
|  |                               |  |  | ZONE - IV           |                  |           |           |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | NBCC      | CE/IA/97  | CE-74     | CE-196    |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |           |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.25                | 7.25             | 7.25      | 7.26      | 7.26      | 7.26      |
| 2  | Temperature(degree C)         | ----   | ----   | 26.7                | 26.7             | 26.7      | 26.7      | 26.7      | 26.7      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 111.8               | 111.5            | 112.7     | 112.6     | 112.1     | 111.5     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 2.64                | 2.81             | 2.75      | 2.66      | 2.77      | 2.28      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.3                 | 0.45             | 0.35      | 0.25      | 0.2       | 0.4       |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |           |           |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 111.24              | 107.12           | 107.12    | 107.12    | 107.12    | 107.12    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 93.66     | 93.66     | 93.66     | 93.66     |

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 – 700 156

**TEST REPORT: AA – I. ZONE – VIII**

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

Date of Testing: 06.07.2021

| Sl. No                                   | Characteristic               | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |
|--|------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|
|  |                              |  |  | ZONE - VIII         |                  |           |           |           |           |
|  |                              |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | DA-30     | DC-23     | DA-89     | DB-222    |
| <b>A. Physico-chemical Test Results:</b> |                              |  |  |                     |                  |           |           |           |           |
| 1  | pH Value.                    | 6.5-8.5  | 6.5-8.5  | 7.16                | 7.38             | 7.35      | 7.30      | 7.33      | 7.34      |
| 2  | Temperature(degree C)        | ----   | ----   | 26.8                | 26.8             | 26.9      | 26.8      | 26.8      | 26.9      |
| 3  | Total Dissolved Solid(mg/L)  | 500.00   | 2000.00  | 111.3               | 111.1            | 111.0     | 110.9     | 110.8     | 111.0     |
| 4  | Turbidity (NTU)              | 1.00   | 5.00   | 2.31                | 2.17             | 2.20      | 2.38      | 1.53      | 1.92      |
| 5  | Residual Free Chlorine(mg/L) | 0.20   | 1.00   | 0.25                | 0.4              | 0.2       | 0.25      | 0.3       | 0.3       |
| 6  | Odour                        | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                              |  |  |                     |                  |           |           |           |           |
| 7  | Total Hardness. (mg/L)       | 200.00   | 600.00   | 107.12              | 107.12           | 107.12    | 103       | 103       | 107.12    |
| 8  | Total Alkalinity. (mg/L)     | 200.00   | 600.00   | 93.66               | 93.66            | 93.66     | 93.66     | 93.66     | 93.66     |

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.

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

**TEST REPORT: ACTION AREA -I, ZONE - I**

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

Date of Testing: 08.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|
|  |                               |  |  | ZONE - I            |                  |           |           |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | AD - 17   | AA- 05    | AC - 107  | AC - 50   |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |           |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.02                | 7.22             | 7.15      | 7.14      | 7.21      | 7.25      |
| 2  | Temperature(degree C)         | ----   | ----   | 26.9                | 26.9             | 26.6      | 26.6      | 26.6      | 26.4      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 110.9               | 111.9            | 112.5     | 112.8     | 114.1     | 113.7     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 1.74                | 1.75             | 1.58      | 1.56      | 1.68      | 1.76      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.25                | 0.4              | 0.2       | 0.2       | 0.4       | 0.3       |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |           |           |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 103                 | 107.12           | 107.12    | 107.12    | 107.12    | 107.12    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 93.66     | 93.66     | 93.66     | 93.66     |

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

**TEST REPORT: AA – I, ZONE – III**  
**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)**

**Date of Testing: 09.07.2021**

| Sl. No                                    | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                 |           |           |           |           |           |
|---|-------------------------------|--|--|---------------------|-----------------|-----------|-----------|-----------|-----------|-----------|
|   |                               |  |  | ZONE - III          |                 |           |           |           |           |           |
|   |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R | AI/153/18 | NKDA Off. | AL/1/C/40 | AL/1/C/28 | AK-39     |
| <b>A. Physico-chemical Test Results :</b> |                               |  |  |                     |                 |           |           |           |           |           |
| 1   | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.31                | 7.31            | 7.31      | 7.32      | 7.32      | 7.33      | 7.33      |
| 2   | Temperature(degree C)         | ----   | ----   | 26.7                | 26.7            | 26.7      | 26.7      | 26.7      | 26.8      | 26.8      |
| 3   | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 117.8               | 112.2           | 112.1     | 119.9     | 118.3     | 112.7     | 112.5     |
| 4   | Turbidity, (NTU)              | 1.00   | 5.00   | 1.52                | 1.78            | 1.28      | 1.65      | 1.71      | 1.51      | 1.64      |
| 5   | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.33                | 0.6             | 0.3       | 0.45      | 0.15      | 0.4       | 0.1       |
| 6   | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable       | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results :</b>         |                               |  |  |                     |                 |           |           |           |           |           |
| 7   | Total Hardness, (mg/L)        | 200.00   | 600.00   | 111.24              | 107.12          | 107.12    | 111.24    | 111.24    | 107.12    | 107.12    |
| 8   | Total Alkalinity, (mg/L)      | 200.00   | 600.00   | 93.66               | 93.66           | 93.66     | 93.66     | 93.66     | 93.66     | 93.66     |

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

**TEST REPORT: ACTION AREA -I, ZONE - II**

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

Date of Testing: 15.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |           |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|  |                               |  |  | ZONE - II           |                  |           |           |           |           |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | AE-III    | BA - 120  | AB - 72   | AB - 13   | AE-80     | AE-68     |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |           |           |           |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.34                | 7.36             | 7.37      | 7.38      | 7.42      | 7.38      | 7.39      | 7.38      |
| 2  | Temperature(degree C)         | ----   | ----   | 26.8                | 26.8             | 26.8      | 26.8      | 26.8      | 26.8      | 26.8      | 26.8      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 111.1               | 110.9            | 110.7     | 110.7     | 110.5     | 111.1     | 111.1     | 110.7     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 1.92                | 2.32             | 1.68      | 1.75      | 2.18      | 1.76      | 1.84      | 1.93      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.3                 | 0.3              | 0.2       | 0.1       | 0.25      | 0.15      | 0.1       | 0.1       |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |           |           |           |           |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 103.03              | 103.03           | 103.03    | 103.03    | 103.03    | 103.03    | 103.03    | 103.03    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 85.26               | 85.26            | 85.26     | 85.26     | 85.26     | 85.26     | 85.26     | 85.26     |

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 – 700 156

**TEST REPORT: AA – I, ZONE – VII**

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

Date of Testing: 16.07.2021

| Sl. No                                   | Characteristic           | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |                      |           |           |
|--|--------------------------|--|--|---------------------|------------------|-----------|----------------------|-----------|-----------|
|  |                          |  |  | ZONE - VII          |                  |           |                      |           |           |
|  |                          |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | DC-58     | HIDCO Admin building | DF - 94   | DA-248    |
| <b>A. Physico-chemical Test Results:</b> |                          |  |  |                     |                  |           |                      |           |           |
| 1  | pH Value.                | 6.5-8.5  | 6.5-8.5  | 7.25                | 7.52             | 7.39      | 7.25                 | 7.46      | 7.36      |
| 2  | Temperature(degree C)    | ----   | ----   | 26.8                | 26.8             | 26.9      | 26.8                 | 26.8      | 26.8      |
| 3  | Total Dissolved Solid.   | 500.00   | 2000.00  | 112.3               | 111.7            | 111.4     | 115.1                | 111.1     | 111.6     |
| 4  | Turbidity, (NTU)         | 1.00   | 5.00   | 1.11                | 1.71             | 1.86      | 2.91                 | 1.55      | 1.86      |
| 5  | Residual Free Chlorine   | 0.20   | 1.00   | 0.3                 | 0.3              | 0.2       | 0.1                  | 0.1       | 0.1       |
| 6  | Odour                    | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable            | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                          |  |  |                     |                  |           |                      |           |           |
| 7  | Total Hardness, (mg/L)   | 200.00   | 600.00   | 106.99              | 103.03           | 103.03    | 103.03               | 103.03    | 103.03    |
| 8  | Total Alkalinity, (mg/L) | 200.00   | 600.00   | 89.32               | 85.26            | 85.26     | 85.26                | 85.26     | 85.26     |

O.H.R. – OVER HEAD RESERVOIR

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

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

**TEST REPORT: ACTION AREA -I, ZONE - IV**

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

Date of Testing: 16.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |                     |           |           |           |
|--|-------------------------------|--|--|---------------------|------------------|---------------------|-----------|-----------|-----------|
|  |                               |  |  | ZONE - IV           |                  |                     |           |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | Senior Citizen Park | BE-17     | BB-50     | BC-105    |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |                     |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.41                | 7.46             | 7.43                | 7.48      | 7.38      | 7.45      |
| 2  | Temperature(degree C)         | ----   | ----   | 26.7                | 26.8             | 26.7                | 26.8      | 26.9      | 26.9      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 111.8               | 110.9            | 111.3               | 111.6     | 111.6     | 110.9     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 1.69                | 1.46             | 1.98                | 1.42      | 1.58      | 2.04      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.3                 | 0.4              | 0.2                 | 0.1       | 0.3       | 0.2       |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable           | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |                     |           |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 106.99              | 103.03           | 103.03              | 103.03    | 103.03    | 103.03    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 89.32               | 85.26            | 85.26               | 85.26     | 85.26     | 85.26     |

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

**TEST REPORT: AA – I, ZONE – X**

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

**Date of Testing: 20.07.2021**

| Sl. No                                   | Characteristic               | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |                  |
|--|------------------------------|--|--|---------------------|------------------|------------------|
|  |                              |  |  | ZONE - X            |                  |                  |
|  |                              |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | GREEN FIELD – 4D |
| <b>A. Physico-chemical Test Results:</b> |                              |  |  |                     |                  |                  |
| 1  | pH Value.                    | 6.5-8.5  | 6.5-8.5  | 7.28                | 7.28             | 7.31             |
| 2  | Temperature(degree C)        | ----   | ----   | 26.9                | 26.9             | 26.9             |
| 3  | Total Dissolved Solid(mg/L)  | 500.00   | 2000.00  | 110.7               | 111.4            | 112.6            |
| 4  | Turbidity, (NTU)             | 1.00   | 5.00   | 3.64                | 3.96             | 3.11             |
| 5  | Residual Free Chlorine(mg/L) | 0.20   | 1.00   | 0.15                | 0.35             | 0.20             |
| 6  | Odour                        | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable        |
| <b>B. Chemical Test Results:</b>         |                              |  |  |                     |                  |                  |
| 7  | Total Hardness, (mg/L)       | 200.00   | 600.00   | 103.03              | 106.99           | 106.99           |
| 8  | Total Alkalinity, (mg/L)     | 200.00   | 600.00   | 89.32               | 89.32            | 89.32            |

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 – 700 156

**TEST REPORT: AA – I, ZONE – IX**

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

Date of Testing: 20.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |             |                  |
|--|-------------------------------|--|--|---------------------|------------------|-------------|------------------|
|  |                               |  |  | ZONE - IX           |                  |             |                  |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | RISHI TOWER | DAWAT RESTAURANT |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |             |                  |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.34                | 7.32             | 7.34        | 7.36             |
| 2  | Temperature(degree C)         | ----   | ----   | 26.9                | 26.9             | 26.9        | 26.9             |
| 3  | Total Dissolved Solid. (mg/L) | 500.00   | 2000.00  | 110.5               | 110.4            | 110.4       | 110.0            |
| 4  | Turbidity, (NTU)              | 1.00   | 5.00   | 3.63                | 3.57             | 3.27        | 3.13             |
| 5  | Residual Free Chlorine(mg/L)  | 0.20   | 1.00   | 0.2                 | 0.35             | 0.2         | 0.25             |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable   | Agreeable        |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |             |                  |
| 7  | Total Hardness, (mg/L)        | 200.00   | 600.00   | 99.07               | 103.03           | 103.03      | 103.03           |
| 8  | Total Alkalinity, (mg/L)      | 200.00   | 600.00   | 85.26               | 81.20            | 81.20       | 81.20            |

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 – 700 156

**TEST REPORT: ACTION AREA -I, ZONE - II**

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

Date of Testing: 22.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |                       |           |           |           |           |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|
|  |                               |  |  | ZONE - II           |                  |                       |           |           |           |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | New Town Bus Terminus | BA - 120  | AB - 71   | AB - 13   | AE-85     | AE-111    |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |                       |           |           |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.19                | 7.21             | 7.21                  | 7.22      | 7.22      | 7.24      | 7.24      | 7.26      |
| 2  | Temperature (degree C)        | ----   | ----   | 26.9                | 26.9             | 26.9                  | 26.9      | 26.9      | 26.9      | 26.9      | 26.9      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 112.1               | 110.5            | 110.2                 | 110.5     | 110.6     | 110.1     | 110.3     | 110.6     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 1.67                | 2.10             | 2.10                  | 2.91      | 2.32      | 2.81      | 1.93      | 2.65      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.3                 | 0.45             | 0.2                   | 0.15      | 0.3       | 0.25      | 0.25      | 0.2       |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable             | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |                       |           |           |           |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 103.03              | 103.03           | 103.03                | 103.03    | 103.03    | 103.03    | 103.03    | 103.03    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 85.26               | 85.26            | 85.26                 | 81.20     | 81.20     | 81.20     | 81.20     | 81.20     |

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 - 700 156

**TEST REPORT: ACTION AREA - I, ZONE - VI**

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

Date of Testing: 23.07.2021

| Sl. No                                     | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |            |           |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------|------------|-----------|-----------|
|  |                               |  |  | ZONE - VI           |                  |           |            |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | NBCC      | CE /I/A/97 | CE -104   | CC -201   |
| <b>A. Physico - chemical Test Results:</b> |                               |  |  |                     |                  |           |            |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.31                | 7.31             | 7.33      | 7.29       | 7.28      | 7.30      |
| 2  | Temperature(degree C)         | ----   | ----   | 26.7                | 26.7             | 26.7      | 26.7       | 26.7      | 26.7      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 110.5               | 110.3            | 110.3     | 110.7      | 110.6     | 110.2     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 1.21                | 1.42             | 1.43      | 1.48       | 1.71      | 1.81      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.25                | 0.25             | 0.3       | 0.23       | 0.2       | 0.3       |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable  | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>           |                               |  |  |                     |                  |           |            |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 103.03              | 103.03           | 103.03    | 103.03     | 103.03    | 103.03    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 85.26               | 85.26            | 85.26     | 85.26      | 85.26     | 85.26     |
| 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  | 19.28               | 19.28            | 19.28     | 19.28      | 19.28     | 19.28     |
| <b>C. Bacteriological Test Results :</b>   |                               |  |  |                     |                  |           |            |           |           |
| 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  
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

TEST REPORT: AA – I, ZONE – III

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

Date of Testing: 23.07.2021

| Sl. No                                    | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |
|---|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|
|   |                               |  |  | ZONE - III          |                  |           |           |           |           |
|   |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | AI/1/C/28 | NKDA Off. | AI-12     | AI/153/18 |
| <b>A. Physico-chemical Test Results :</b> |                               |  |  |                     |                  |           |           |           |           |
| 1   | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.23                | 7.26             | 7.28      | 7.28      | 7.31      | 7.32      |
| 2   | Temperature(degree C)         | ----   | ----   | 26.7                | 26.7             | 26.7      | 26.7      | 26.7      | 26.7      |
| 3   | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 110.8               | 110.6            | 109.6     | 110.4     | 110.3     | 110.2     |
| 4   | Turbidity, (NTU)              | 1.00   | 5.00   | 0.89                | 1.56             | 1.36      | 1.20      | 1.17      | 1.46      |
| 5   | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.2                 | 0.5              | 0.15      | 0.3       | 0.23      | 0.23      |
| 6   | Odor                          | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results :</b>         |                               |  |  |                     |                  |           |           |           |           |
| 7   | Total Hardness, (mg/L)        | 200.00   | 600.00   | 103.03              | 103.03           | 103.03    | 103.03    | 103.03    | 103.03    |
| 8   | Total Alkalinity, (mg/L)      | 200.00   | 600.00   | 85.26               | 85.26            | 85.26     | 85.26     | 85.26     | 85.26     |
| 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  | 19.28               | 19.28            | 19.28     | 19.28     | 19.28     | 19.28     |
| <b>C. Bacteriological Test Results :</b>  |                               |  |  |                     |                  |           |           |           |           |
| 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 – 700 156

**TEST REPORT: ACTION AREA -I, ZONE - I**

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

Date of Testing: 27.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |           |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|  |                               |  |  | ZONE - I            |                  |           |           |           |           |           |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | AD - 17   | AA- 05    | AC - 107  | AC - 50   | AD-26     | AC-217    |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |           |           |           |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.24                | 7.26             | 7.27      | 7.27      | 7.26      | 7.29      | 7.31      | 7.30      |
| 2  | Temperature (degree C)        | ----   | ----   | 26.8                | 26.8             | 26.8      | 26.8      | 26.8      | 26.8      | 26.8      | 26.8      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 109.6               | 110.2            | 110.1     | 110.1     | 110.1     | 109.9     | 109.9     | 109.8     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 1.26                | 1.81             | 1.85      | 1.87      | 1.90      | 1.81      | 1.88      | 1.94      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.25                | 0.4              | 0.15      | 0.15      | 0.3       | 0.25      | 0.2       | 0.25      |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |           |           |           |           |           |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 103.03              | 106.99           | 106.99    | 106.99    | 106.99    | 103.03    | 103.03    | 103.03    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.38               | 97.44            | 97.44     | 97.44     | 97.44     | 93.38     | 93.38     | 93.38     |
| 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  | 19.28               | 19.28            | 19.28     | 19.28     | 19.28     | 19.28     | 19.28     | 19.28     |
| <b>C. Bacteriological Test Results :</b> |                               |  |  |                     |                  |           |           |           |           |           |           |
| 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,

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 – 700 156

**TEST REPORT: AA – I, ZONE – IV**  
**Sub. : Water Testing (Physico-chemical, Chemical & Bacteriological)**

Date of Testing: 29.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |           |                     |           |           |           |
|--|-------------------------------|--|--|---------------------|-----------|---------------------|-----------|-----------|-----------|
|  |                               |  |  | ZONE – IV           |           |                     |           |           |           |
|  |                               |  |  | INLET               | OUTLET    | SENIOR CITIZEN PARK | BD-109    | BB-50     | BC-105    |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |           |                     |           |           |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.31                | 7.31      | 7.31                | 7.32      | 7.32      | 7.32      |
| 2  | Temperature(degree C)         | ----   | ----   | 26.8                | 26.8      | 26.8                | 26.8      | 26.8      | 26.8      |
| 3  | Total Dissolved Solid. (mg/L) | 500.00   | 2000.00  | 107.3               | 108.3     | 107.8               | 108.0     | 107.7     | 107.7     |
| 4  | Turbidity, (NTU)              | 1.00   | 5.00   | 2.16                | 1.91      | 2.35                | 2.97      | 2.31      | 2.36      |
| 5  | Residual Free Chlorine(mg/L)  | 0.20   | 1.00   | 0.3                 | 0.4       | 0.3                 | 0.2       | 0.25      | 0.15      |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable | Agreeable           | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |           |                     |           |           |           |
| 7  | Total Hardness, (mg/L)        | 200.00   | 600.00   | 106.99              | 110.95    | 106.99              | 110.95    | 106.99    | 106.99    |
| 8  | Total Alkalinity, (mg/L)      | 200.00   | 600.00   | 93.38               | 97.44     | 93.38               | 97.44     | 93.38     | 93.38     |
| 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  | 19.28               | 19.28     | 19.28               | 19.28     | 19.28     | 19.28     |
| <b>C. Bacteriological Test Results :</b> |                               |  |  |                     |           |                     |           |           |           |
| 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  
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ADMINISTRATIVE BUILDING, WATER TREATMENT PLANT SITE, NEAR TANK NO-I  
NEW TOWN, RAJARHAT, KOLKATA – 700 156

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

Date of Testing: 30.07.2021

| Sl. No                                   | Characteristic              | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |           |           |
|--|-----------------------------|--|--|---------------------|------------------|-----------|-----------|-----------|-----------|
|  |                             |  |  | ZONE - VIII         |                  |           |           |           |           |
|  |                             |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | DA-27     | DC-23     | DA-88     | DB-221    |
| <b>A. Physico-chemical Test Results:</b> |                             |  |  |                     |                  |           |           |           |           |
| 1  | pH Value.                   | 6.5-8.5  | 6.5-8.5  | 7.43                | 7.44             | 7.44      | 7.46      | 7.48      | 7.47      |
| 2  | Temperature(degree C)       | ----   | ----   | 26.6                | 26.6             | 26.6      | 26.6      | 26.6      | 26.6      |
| 3  | Total Dissolved Solid.      | 500.00   | 2000.00  | 108.3               | 107.3            | 107.8     | 107.2     | 107.5     | 107.1     |
| 4  | Turbidity. (NTU)            | 1.00   | 5.00   | 2.74                | 2.21             | 2.41      | 2.18      | 2.96      | 2.92      |
| 5  | Residual Free Chlorine      | 0.20   | 1.00   | 0.35                | 0.3              | 0.1       | 0.1       | 0.15      | 0.25      |
| 6  | Odour                       | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results:</b>         |                             |  |  |                     |                  |           |           |           |           |
| 7  | Total Hardness. (mg/L)      | 200.00   | 600.00   | 110.95              | 106.99           | 110.95    | 106.99    | 106.99    | 106.99    |
| 8  | Total Alkalinity. (mg/L)    | 200.00   | 600.00   | 93.38               | 89.32            | 89.32     | 89.32     | 89.32     | 89.32     |
| 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  | 17.35               | 15.42            | 15.42     | 15.42     | 15.42     | 15.42     |
| <b>C. Bacteriological Test Results:</b>  |                             |  |  |                     |                  |           |           |           |           |
| 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        |

N.F- NOT FOUND. 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 – 700 156

**TEST REPORT: AA – I, ZONE – II**

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

Date of Testing: 30.07.2021

| Sl. No                                    | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                 |                       |           |           |           |
|---|-------------------------------|--|--|---------------------|-----------------|-----------------------|-----------|-----------|-----------|
|   |                               |  |  | ZONE - II           |                 |                       |           |           |           |
|   |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R | NEW TOWN BUS TERMINUS | BA-113    | AB -81    | AB-13     |
| <b>A. Physico-chemical Test Results :</b> |                               |  |  |                     |                 |                       |           |           |           |
| 1   | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.46                | 7.47            | 7.48                  | 7.49      | 7.51      | 7.52      |
| 2   | Temperature(degree C)         | ----   | ----   | 26.6                | 26.6            | 26.6                  | 26.6      | 26.6      | 26.6      |
| 3   | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 107.6               | 107.4           | 107.4                 | 107.4     | 107.4     | 107.5     |
| 4   | Turbidity, (NTU)              | 1.00   | 5.00   | 2.76                | 2.86            | 2.73                  | 2.63      | 2.14      | 2.85      |
| 5   | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.33                | 0.4             | 0.3                   | 0.2       | 0.25      | 0.13      |
| 6   | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable       | Agreeable             | Agreeable | Agreeable | Agreeable |
| <b>B. Chemical Test Results :</b>         |                               |  |  |                     |                 |                       |           |           |           |
| 7   | Total Hardness, (mg/L)        | 200.00   | 600.00   | 106.99              | 106.99          | 106.99                | 106.99    | 106.99    | 106.99    |
| 8   | Total Alkalinity, (mg/L)      | 200.00   | 600.00   | 89.32               | 89.32           | 89.32                 | 89.32     | 89.32     | 93.38     |
| 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  | 19.28               | 17.35           | 17.35                 | 17.35     | 17.35     | 17.35     |
| <b>C. Bacteriological Test Results :</b>  |                               |  |  |                     |                 |                       |           |           |           |
| 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  
Central Water Testing Laboratory  
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**  
**(JULY' 2021)**

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

**TEST REPORT: AA – II C, ZONE – I**

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

**Date of Testing: 13.07.2021**

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |           |                 |              |           |
|--|-------------------------------|--|--|---------------------|------------------|-----------|-----------|-----------------|--------------|-----------|
|  |                               |  |  | AA – IIC, ZONE - I  |                  |           |           |                 |              |           |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | AKANKHA   | NKDA Mkt  | STARLIT COMPLEX | HILAND WOODS | MOON BEAM |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |           |           |                 |              |           |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 6.92                | 7.11             | 7.15      | 7.21      | 7.22            | 7.23         | 7.24      |
| 2  | Temperature (degree C)        | ----   | ----   | 26.6                | 26.4             | 26.5      | 26.4      | 26.4            | 26.4         | 26.4      |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 113.2               | 113.1            | 113.1     | 112.4     | 113.3           | 113.8        | 113.7     |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 2.87                | 2.35             | 2.59      | 2.67      | 2.51            | 2.33         | 2.39      |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.1                 | 0.35             | 0.25      | 0.35      | 0.25            | 0.2          | 0.3       |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable | Agreeable       | Agreeable    | Agreeable |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |           |           |                 |              |           |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 107.12              | 107.12           | 107.12    | 103       | 107.12          | 107.12       | 107.12    |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 93.66     | 93.66     | 93.66           | 93.66        | 93.66     |

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 – 700 156

**TEST REPORT: AA – IID, ZONE – V**

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

Date of Testing: 13.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |           |                   |
|--|-------------------------------|--|--|---------------------|------------------|-----------|-------------------|
|  |                               |  |  | AA – IID, ZONE - V  |                  |           |                   |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | ALATIKA   | GREEN WOOD SONATA |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |           |                   |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.26                | 7.26             | 7.27      | 7.27              |
| 2  | Temperature (degree C)        | ----   | ----   | 26.4                | 26.4             | 26.4      | 26.4              |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 111.9               | 112.2            | 112.7     | 112.5             |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 2.86                | 2.91             | 2.52      | 2.26              |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.1                 | 0.35             | 0.25      | 0.3               |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable | Agreeable         |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |           |                   |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 111.24              | 111.24           | 111.24    | 111.24            |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 93.66     | 93.66             |

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 – 700 156

**TEST REPORT: AA – II D, ZONE – VI**

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

Date of Testing: 13.07.2021

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012) | Permissible Limit in the absence of alternate Source (IS 10500-2012) | SOURCE (PHE SUPPLY) |                  |                            |                      |
|--|-------------------------------|--|--|---------------------|------------------|----------------------------|----------------------|
|  |                               |  |  | AA – IID, ZONE - VI |                  |                            |                      |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | SHRACHI GREEN WOOD ELEMENT | GREEN FIELD AMBITION |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |                            |                      |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.24                | 7.25             | 7.25                       | 7.25                 |
| 2  | Temperature (degree C)        | ----   | ----   | 26.4                | 26.4             | 26.4                       | 26.4                 |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 112.0               | 112.5            | 112.5                      | 112.7                |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 2.69                | 2.07             | 2.47                       | 2.38                 |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.7                 | 0.3              | 0.25                       | 0.2                  |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable                  | Agreeable            |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |                            |                      |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 103                 | 103              | 103                        | 103                  |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 93.66                      | 93.66                |

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 – 700 156**

**TEST REPORT: AA – II A, ZONE – X**

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

**Date of Testing: 14.07.2021**

| 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, ZONE – X  |                  |                  |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | ALIAH UNIVERSITY |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |                  |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.28                | 7.29             | 7.29             |
| 2  | Temperature (degree C)        | ----   | ----   | 26.9                | 26.9             | 26.9             |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 111.9               | 111.8            | 112.5            |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 3.71                | 2.31             | 2.11             |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.35                | 0.3              | 0.2              |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable        |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |                  |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 111.24              | 107.12           | 107.12           |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 98.12            |

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 – 700 156

**TEST REPORT: AA – II B, ZONE – IV**

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

Date of Testing: 14.07.2021

| 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, ZONE - IV |                  |                |           |           |             |                   |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | HILAND WILLOWS | ANAHITA   | MALANCHA  | NKDA MARKET | ECO URBAN VILLAGE |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |                |           |           |             |                   |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.27                | 7.32             | 7.28           | 7.29      | 7.28      | 7.29        | 7.27              |
| 2  | Temperature (degree C)        | ----   | ----   | 26.9                | 26.9             | 26.9           | 26.9      | 26.9      | 26.9        | 26.9              |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 116.2               | 113.1            | 113.5          | 112.7     | 112.8     | 113.0       | 112.9             |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 2.35                | 2.86             | 2.53           | 3.41      | 3.23      | 2.71        | 2.62              |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.15                | 0.35             | 0.25           | 0.2       | 0.15      | 0.2         | 0.3               |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable      | Agreeable | Agreeable | Agreeable   | Agreeable         |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |                |           |           |             |                   |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 111.24              | 107.12           | 107.12         | 107.12    | 107.12    | 111.24      | 107.12            |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.66               | 93.66            | 93.66          | 93.66     | 93.66     | 93.66       | 93.66             |

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 – 700 156

**TEST REPORT: AA – IIG, ZONE – XI**

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

Date of Testing: 20.07.2021

| 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, ZONE – XI |                  |            |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | EDEN COURT |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |            |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.34                | 7.36             | 7.37       |
| 2  | Temperature (degree C)        | ----   | ----   | 26.9                | 26.9             | 26.9       |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 110.5               | 111.1            | 110.8      |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 3.90                | 3.69             | 3.19       |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.25                | 0.25             | 0.2        |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable  |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |            |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 106.99              | 103.03           | 103.03     |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 93.38               | 89.32            | 89.32      |

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 – 700 156

**TEST REPORT: AA – II A, ZONE – X**

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

Date of Testing: 26.07.2021

| 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, ZONE – X  |                  |                  |
|  |                               |  |  | INLET OF O.H.R.     | OUTLET OF O.H.R. | Aliah University |
| <b>A. Physico-chemical Test Results:</b> |                               |  |  |                     |                  |                  |
| 1  | pH Value.                     | 6.5-8.5  | 6.5-8.5  | 7.25                | 7.25             | 7.25             |
| 2  | Temperature (degree C)        | ----   | ----   | 26.5                | 26.5             | 26.5             |
| 3  | Total Dissolved Solid (mg/L)  | 500.00   | 2000.00  | 114.3               | 113.1            | 113.3            |
| 4  | Turbidity (NTU)               | 1.00   | 5.00   | 2.96                | 2.26             | 2.16             |
| 5  | Residual Free Chlorine (mg/L) | 0.20   | 1.00   | 0.3                 | 0.35             | 0.25             |
| 6  | Odour                         | Agreeable                                      | Agreeable  | Agreeable           | Agreeable        | Agreeable        |
| <b>B. Chemical Test Results:</b>         |                               |  |  |                     |                  |                  |
| 7  | Total Hardness (mg/L)         | 200.00   | 600.00   | 106.99              | 106.99           | 106.99           |
| 8  | Total Alkalinity (mg/L)       | 200.00   | 600.00   | 85.26               | 85.26            | 85.26            |
| 9  | Iron(as Fe), mg/L             | 1.0  | No Relaxation  | <0.1                | <0.1             | <0.1             |
| 10                                       | Chloride (mg/L)               | 250.00   | 1000.00  | 19.28               | 19.28            | 19.28            |
| <b>C. Bacteriological Test Results :</b> |                               |  |  |                     |                  |                  |
| 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 – 700 156

**TEST REPORT: AA – II B, ZONE – IV**

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

**Date of Testing: 26.07.2021**

| Sl. No                                   | Characteristic                | Requirement (Acceptable Limit) (IS 10500-2012)/ (CPHEEO) | Permissible Limit (IS 10500-2012)/ (CPHEEO) | SOURCE (PHE SUPPLY) |                  |                |           |           |             |                   |
|--|-------------------------------|--|---|---------------------|------------------|----------------|-----------|-----------|-------------|-------------------|
|  |                               |  |   | AA – IIB, ZONE - IV |                  |                |           |           |             |                   |
|  |                               |  |   | INLET OF O.H.R.     | OUTLET OF O.H.R. | HILAND WILLOWS | ANAHITA   | MALANCHA  | NKDA MARKET | ECO URBAN VILLAGE |
| <b>A. Physico-chemical Test Results:</b> |                               |  |   |                     |                  |                |           |           |             |                   |
| 1  | pH Value.                     | 6.5 to 8.5/7.0 to 8.5                                    | 6.5 to 8.5/6.5 to 9.2                       | 7.17                | 7.18             | 7.19           | 7.21      | 7.20      | 7.22        | 7.22              |
| 2  | Temperature (degree C)        | ----   | ----  | 26.5                | 26.5             | 26.5           | 26.5      | 26.5      | 26.5        | 26.5              |
| 3  | Total Dissolved Solid (mg/L)  | 500/500  | 2000/2000                                   | 112.0               | 114.7            | 112.6          | 115.7     | 114.3     | 114.0       | 114.4             |
| 4  | Turbidity (NTU)               | 1/1  | 5/10  | 2.85                | 2.28             | 2.40           | 2.38      | 2.12      | 2.09        | 2.49              |
| 5  | Residual Free Chlorine (mg/L) | 0.2/0.2  | 0.2/1.0                                     | 0.3                 | 0.25             | 0.2            | 0.1       | 0.1       | 0.15        | 0.2               |
| 6  | Odour                         | Agreeable/ Agreeable                                     | Agreeable/ Agreeable                        | Agreeable           | Agreeable        | Agreeable      | Agreeable | Agreeable | Agreeable   | Agreeable         |
| <b>B. Chemical Test Results:</b>         |                               |  |   |                     |                  |                |           |           |             |                   |
| 7  | Total Hardness (mg/L)         | 200/200  | 600/600                                     | 103.03              | 103.03           | 103.03         | 103.03    | 103.03    | 106.99      | 106.99            |
| 8  | Total Alkalinity (mg/L)       | 200/200  | 600/600                                     | 85.26               | 85.26            | 85.26          | 89.32     | 85.26     | 85.26       | 85.26             |
| 9  | Iron(as Fe), mg/L             | 1.0/0.1  | 1.0/1.0                                     | <0.1                | <0.1             | <0.1           | <0.1      | <0.1      | <0.1        | <0.1              |
| 10                                       | Chloride (mg/L)               | 250/200  | 1000/1000                                   | 19.28               | 19.28            | 19.28          | 19.28     | 19.28     | 19.28       | 19.28             |
| <b>C .Bacteriological Test Results :</b> |                               |  |   |                     |                  |                |           |           |             |                   |
| 11                                       | Total Coliform (CFU/100 ml)   | Absent/Absent  | Absent/Absent                               | NF                  | NF               | NF             | NF        | NF        | NF          | NF                |
| 12                                       | Fecal Coliform (CFU/100 ml)   | Absent/Absent  | Absent/Absent                               | NF                  | NF               | NF             | NF        | NF        | NF          | NF                |

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

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

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

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

