

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                            |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         | DATE:- 01.09.2024       |                         |                            |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 52 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-II |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                            |
| Time of Collection (A.M.)                | ----   | ----             | 06:10                             | 06:15   | 06:25                   | 09:00                   | 07:10                   | 07:00                   | 07:40                      |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 24                         |
| pH                                       | ----   | 6.5 t 8.5        | 8.28                              | 7.86    | 7.82                    | 7.79                    | 7.8                     | 7.78                    | 7.63                       |
| Turbidity                                | N.T.U. | <1.0             | 9.7                               | 0.8     | 0.5                     | 0.6                     | 0.7                     | 0.8                     | 0.5                        |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.3                        |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 68                                | 68      | 76                      | 70                      | 80                      | 72                      | 150                        |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 58                                | 60      | 66                      | 62                      | 68                      | 64                      | 106                        |
| Chloride (Cl)                            | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                          |
| Total Dissolved Solids                   | mg/l   | 500              | 102                               | 105     | 115                     | 108                     | 118                     | 112                     | 180                        |
| Free & Saline Ammonia                    | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                        |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                           |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         | DATE:- 02.09.2024       |                         |                           |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-I |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                           |
| Time of Collection (A.M.)                | ----   | ----             | 06:05                             | 06:10   | 06:50                   | 07:20                   | 08:50                   | 06:40                   | 08:30                     |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 23                        |
| pH                                       | ----   | 6.5 t 8.5        | 8.25                              | 7.84    | 7.77                    | 7.82                    | 7.76                    | 7.79                    | 7.69                      |
| Turbidity                                | N.T.U. | <1.0             | 10                                | 0.6     | 0.7                     | 0.9                     | 0.6                     | 0.9                     | 0.5                       |

|                                       |      |            |     |     |     |     |     |     |     |
|---------------------------------------|------|------------|-----|-----|-----|-----|-----|-----|-----|
| Residual Chlorine                     | mg/l | 0.2 to 0.4 | NIL | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 |
| Total Alkalinity (CaCO <sub>3</sub> ) | mg/l | 200        | 68  | 70  | 78  | 74  | 82  | 76  | 136 |
| Total Hardness (CaCO <sub>3</sub> )   | mg/l | 200        | 60  | 62  | 68  | 64  | 70  | 66  | 94  |
| Chloride (Cl)                         | mg/l | 250        | 3   | 4   | 4   | 4   | 4   | 4   | 6   |
| Total Dissolved Solids                | mg/l | 500        | 104 | 107 | 116 | 110 | 119 | 114 | 168 |
| Free & Saline Ammonia                 | mg/l | NIL        | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                            |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         | DATE:- 03.09.2024       |                         |                            |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 52 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-II |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                            |
| Time of Collection (A.M.)                | ----   | ----             | 06:10                             | 06:15   | 06:50                   | 07:00                   | 08:50                   | 09:25                   | 08:30                      |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 24                         |
| pH                                       | ----   | 6.5 t 8.5        | 8.26                              | 7.85    | 7.79                    | 7.82                    | 7.77                    | 7.8                     | 7.64                       |
| Turbidity                                | N.T.U. | <1.0             | 10.4                              | 0.7     | 0.9                     | 0.6                     | 0.8                     | 0.7                     | 0.4                        |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.3                        |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 64                                | 68      | 76                      | 70                      | 80                      | 72                      | 128                        |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 58                                | 60      | 68                      | 62                      | 70                      | 64                      | 98                         |
| Chloride (Cl)                            | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                          |
| Total Dissolved Solids                   | mg/l   | 500              | 101                               | 105     | 114                     | 109                     | 117                     | 112                     | 172                        |
| Free & Saline Ammonia                    | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                        |

| M.C. Public Health Laboratory Chandigarh |  |  |  |  |  |  |                   |  |  |
|------------------------------------------|--|--|--|--|--|--|-------------------|--|--|
| (Physico Chemical Analysis Report)       |  |  |  |  |  |  | DATE:- 04.09.2024 |  |  |

| Parameter                             | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-I |
|---------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
|                                       |        |                  | Raw                               | Treated |                         |                         |                         |                         |                           |
| Time of Collection (A.M.)             | ----   | ----             | 06:15                             | 06:20   | 06:30                   | 08:40                   | 07:20                   | 07:10                   | 08:10                     |
| Temperature                           | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 23                        |
| pH                                    | ----   | 6.5 t 8.5        | 8.23                              | 7.84    | 7.78                    | 7.8                     | 7.76                    | 7.79                    | 7.7                       |
| Turbidity                             | N.T.U. | <1.0             | 11.7                              | 0.6     | 0.8                     | 0.9                     | 0.7                     | 0.9                     | 0.5                       |
| Residual Chlorine                     | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.3                       |
| Total Alkalinity (CaCO <sub>3</sub> ) | mg/l   | 200              | 66                                | 68      | 78                      | 72                      | 82                      | 74                      | 162                       |
| Total Hardness (CaCO <sub>3</sub> )   | mg/l   | 200              | 58                                | 62      | 70                      | 64                      | 72                      | 66                      | 110                       |
| Chloride (Cl)                         | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                         |
| Total Dissolved Solids                | mg/l   | 500              | 103                               | 106     | 116                     | 111                     | 118                     | 113                     | 194                       |
| Free & Saline Ammonia                 | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                       |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                            |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         |                         | DATE:- 05.09.2024       |                            |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 52 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-II |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                            |
| Time of Collection (A.M.)                | ----   | ----             | 06:10                             | 06:15   | 07:15                   | 07:25                   | 09:10                   | 06:45                   | 09:00                      |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 24                         |
| pH                                       | ----   | 6.5 t 8.5        | 8.26                              | 7.85    | 7.79                    | 7.84                    | 7.76                    | 7.8                     | 7.64                       |
| Turbidity                                | N.T.U. | <1.0             | 10.1                              | 0.8     | 0.9                     | 0.9                     | 0.6                     | 0.8                     | 0.7                        |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.4                        |

|                                       |      |     |     |     |     |     |     |     |     |
|---------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Total Alkalinity (CaCO <sub>3</sub> ) | mg/l | 200 | 66  | 70  | 76  | 72  | 82  | 74  | 154 |
| Total Hardness (CaCO <sub>3</sub> )   | mg/l | 200 | 60  | 62  | 68  | 64  | 70  | 66  | 108 |
| Chloride (Cl)                         | mg/l | 250 | 3   | 4   | 4   | 4   | 4   | 4   | 6   |
| Total Dissolved Solids                | mg/l | 500 | 102 | 106 | 115 | 108 | 119 | 111 | 183 |
| Free & Saline Ammonia                 | mg/l | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                           |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         | DATE:- 06.09.2024       |                         |                           |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector - 37 | Water Works Sector - 32 | Water Works Sector - 26 | Water Works Sector - 12 | Water Works Sector - 13-I |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                           |
| Time of Collection (A.M.)                | ----   | ----             | 06:05                             | 06:10   | 06:40                   | 08:35                   | 07:20                   | 07:00                   | 07:55                     |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 23                        |
| pH                                       | ----   | 6.5 t 8.5        | 8.24                              | 7.86    | 7.8                     | 7.82                    | 7.77                    | 7.79                    | 7.67                      |
| Turbidity                                | N.T.U. | <1.0             | 10.9                              | 0.9     | 0.7                     | 0.8                     | 0.7                     | 0.9                     | 0.4                       |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.3                     | 0.3                       |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 68                                | 72      | 80                      | 74                      | 84                      | 76                      | 164                       |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 62                                | 64      | 68                      | 64                      | 72                      | 66                      | 108                       |
| Chloride (Cl)                            | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                         |
| Total Dissolved Solids                   | mg/l   | 500              | 104                               | 108     | 117                     | 110                     | 120                     | 112                     | 192                       |
| Free & Saline Ammonia                    | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                       |

| M.C. Public Health Laboratory Chandigarh |  |  |  |  |  |  |                   |  |  |
|------------------------------------------|--|--|--|--|--|--|-------------------|--|--|
| (Physico Chemical Analysis Report)       |  |  |  |  |  |  | DATE:- 07.09.2024 |  |  |

| Parameter                             | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 52 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-II |
|---------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
|                                       |        |                  | Raw                               | Treated |                         |                         |                         |                         |                            |
| Time of Collection (A.M.)             | ----   | ----             | 06:10                             | 06:15   | 06:25                   | 08:55                   | 07:35                   | 07:00                   | 07:50                      |
| Temperature                           | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 24                         |
| pH                                    | ----   | 6.5 t 8.5        | 8.25                              | 7.84    | 7.78                    | 7.82                    | 7.75                    | 7.79                    | 7.63                       |
| Turbidity                             | N.T.U. | <1.0             | 9.8                               | 0.7     | 0.9                     | 0.9                     | 0.6                     | 0.7                     | 0.7                        |
| Residual Chlorine                     | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.4                        |
| Total Alkalinity (CaCO <sub>3</sub> ) | mg/l   | 200              | 66                                | 68      | 78                      | 70                      | 80                      | 72                      | 146                        |
| Total Hardness (CaCO <sub>3</sub> )   | mg/l   | 200              | 58                                | 60      | 70                      | 62                      | 72                      | 64                      | 102                        |
| Chloride (Cl)                         | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                          |
| Total Dissolved Solids                | mg/l   | 500              | 101                               | 105     | 116                     | 109                     | 118                     | 110                     | 179                        |
| Free & Saline Ammonia                 | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                        |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                           |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         |                         | DATE:- 08.09.2024       |                           |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-I |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                           |
| Time of Collection (A.M.)                | ----   | ----             | 06:05                             | 06:15   | 06:35                   | 08:55                   | 07:30                   | 07:20                   | 07:55                     |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 24                        |
| pH                                       | ----   | 6.5 t 8.5        | 8.25                              | 7.82    | 7.74                    | 7.82                    | 8.71                    | 7.73                    | 7.68                      |
| Turbidity                                | N.T.U. | <1.0             | 8.7                               | 0.5     | 0.9                     | 0.5                     | 0.6                     | 0.8                     | 0.5                       |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.3                       |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 68                                | 70      | 76                      | 72                      | 82                      | 74                      | 166                       |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 60                                | 62      | 68                      | 64                      | 72                      | 66                      | 110                       |

|                        |      |     |     |     |     |     |     |     |     |
|------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Chloride (Cl)          | mg/l | 250 | 3   | 4   | 4   | 4   | 4   | 4   | 6   |
| Total Dissolved Solids | mg/l | 500 | 102 | 106 | 115 | 110 | 120 | 112 | 192 |
| Free & Saline Ammonia  | mg/l | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                            |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         | DATE:- 09.09.2024       |                         |                            |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 52 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-II |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                            |
| Time of Collection (A.M.)                | ----   | ----             | 06:10                             | 06:20   | 06:37                   | 08:50                   | 07:30                   | 07:00                   | 07:50                      |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 22                      | 21                      | 24                         |
| pH                                       | ----   | 6.5 t 8.5        | 8.29                              | 7.84    | 7.81                    | 7.71                    | 7.72                    | 7.75                    | 7.69                       |
| Turbidity                                | N.T.U. | <1.0             | 9.2                               | 0.8     | 0.5                     | 0.5                     | 0.6                     | 0.8                     | 0.9                        |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.3                        |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 64                                | 68      | 76                      | 70                      | 80                      | 72                      | 150                        |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 58                                | 60      | 66                      | 62                      | 70                      | 64                      | 104                        |
| Chloride (Cl)                            | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                          |
| Total Dissolved Solids                   | mg/l   | 500              | 100                               | 105     | 114                     | 107                     | 118                     | 110                     | 184                        |
| Free & Saline Ammonia                    | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                        |

| M.C. Public Health Laboratory Chandigarh |      |                  |                                   |                         |                         |                         |                         |                           |  |
|------------------------------------------|------|------------------|-----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|--|
| (Physico Chemical Analysis Report)       |      |                  |                                   |                         |                         |                         | DATE:- 10.09.2024       |                           |  |
| Parameter                                | Unit | Quality standard | Water Treatment Plant Sector - 39 | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-I |  |

|                                       |        |            | Raw   | Treated | Water Works<br>Sector - 37 | Water Works<br>Sector - 52 | Water Works<br>Sector - 26 | Water Works<br>Sector - 12 | Water Works<br>Sector - 13-II |
|---------------------------------------|--------|------------|-------|---------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------------|
| Time of Collection (A.M.)             | ----   | ----       | 06:20 | 06:25   | 06:35                      | 09:05                      | 07:40                      | 07:05                      | 08:20                         |
| Temperature                           | °C     | ----       | 18    | 19      | 21                         | 20                         | 21                         | 20                         | 23                            |
| pH                                    | ----   | 6.5 t 8.5  | 8.26  | 7.85    | 7.78                       | 7.83                       | 7.75                       | 7.79                       | 7.62                          |
| Turbidity                             | N.T.U. | <1.0       | 9.7   | 0.7     | 0.9                        | 0.8                        | 0.7                        | 0.9                        | 0.4                           |
| Residual Chlorine                     | mg/l   | 0.2 to 0.4 | NIL   | 0.4     | 0.4                        | 0.4                        | 0.4                        | 0.3                        | 0.3                           |
| Total Alkalinity (CaCO <sub>3</sub> ) | mg/l   | 200        | 66    | 68      | 80                         | 72                         | 84                         | 74                         | 156                           |
| Total Hardness (CaCO <sub>3</sub> )   | mg/l   | 200        | 60    | 62      | 68                         | 64                         | 72                         | 66                         | 108                           |
| Chloride (Cl)                         | mg/l   | 250        | 3     | 4       | 4                          | 4                          | 4                          | 4                          | 6                             |
| Total Dissolved Solids                | mg/l   | 500        | 102   | 106     | 117                        | 109                        | 120                        | 112                        | 189                           |
| Free & Saline Ammonia                 | mg/l   | NIL        | NIL   | NIL     | NIL                        | NIL                        | NIL                        | NIL                        | NIL                           |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                      |         |                            |                            |                            |                            |                               |
|------------------------------------------|--------|------------------|--------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                      |         |                            |                            |                            | DATE:- 11.09.2024          |                               |
| Parameter                                | Unit   | Quality standard | Water Treatment<br>Plant Sector - 39 |         | Water Works<br>Sector – 37 | Water Works<br>Sector – 52 | Water Works<br>Sector – 26 | Water Works<br>Sector – 12 | Water Works<br>Sector - 13-II |
|                                          |        |                  | Raw                                  | Treated |                            |                            |                            |                            |                               |
| Time of Collection (A.M.)                | ----   | ----             | 06:10                                | 06:15   | 06:25                      | 08:55                      | 07:20                      | 07:10                      | 07:40                         |
| Temperature                              | °C     | ----             | 18                                   | 19      | 21                         | 19                         | 21                         | 20                         | 24                            |
| pH                                       | ----   | 6.5 t 8.5        | 8.27                                 | 7.86    | 7.79                       | 7.84                       | 7.77                       | 7.81                       | 7.69                          |
| Turbidity                                | N.T.U. | <1.0             | 9.3                                  | 0.6     | 0.8                        | 0.9                        | 0.7                        | 0.8                        | 0.7                           |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                                  | 0.4     | 0.4                        | 0.4                        | 0.4                        | 0.3                        | 0.3                           |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 66                                   | 68      | 78                         | 70                         | 82                         | 72                         | 146                           |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 58                                   | 60      | 70                         | 62                         | 72                         | 64                         | 102                           |
| Chloride (Cl)                            | mg/l   | 250              | 3                                    | 4       | 4                          | 4                          | 4                          | 4                          | 6                             |

|                        |      |     |     |     |     |     |     |     |     |
|------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Total Dissolved Solids | mg/l | 500 | 101 | 105 | 116 | 108 | 119 | 111 | 181 |
| Free & Saline Ammonia  | mg/l | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                           |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         |                         | DATE:- 12.09.2024       |                           |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-I |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                           |
| Time of Collection (A.M.)                | ----   | ----             | 06:15                             | 06:20   | 06:40                   | 08:50                   | 07:15                   | 07:05                   | 07:40                     |
| Temperature                              | °C     | ----             | 18                                | 19      | 21                      | 20                      | 21                      | 20                      | 24                        |
| pH                                       | ----   | 6.5 t 8.5        | 8.26                              | 7.84    | 7.78                    | 7.81                    | 7.75                    | 7.79                    | 7.64                      |
| Turbidity                                | N.T.U. | <1.0             | 10.8                              | 0.9     | 0.7                     | 0.8                     | 0.6                     | 0.9                     | 0.4                       |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.3                     | 0.3                       |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 68                                | 72      | 80                      | 74                      | 84                      | 76                      | 152                       |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 60                                | 62      | 72                      | 64                      | 74                      | 66                      | 104                       |
| Chloride (Cl)                            | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                         |
| Total Dissolved Solids                   | mg/l   | 500              | 104                               | 107     | 118                     | 110                     | 121                     | 113                     | 186                       |
| Free & Saline Ammonia                    | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                       |

| M.C. Public Health Laboratory Chandigarh |      |                  |                                   |         |                         |                         |                         |                         |                             |
|------------------------------------------|------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|
| (Physico Chemical Analysis Report)       |      |                  |                                   |         |                         |                         |                         | DATE:- 13.09.2024       |                             |
| Parameter                                | Unit | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-III |
|                                          |      |                  | Raw                               | Treated |                         |                         |                         |                         |                             |
| Time of Collection (A.M.)                | ---- | ----             | 06:10                             | 06:15   | 06:40                   | 09:35                   | 07:15                   | 07:00                   | 08:00                       |

|                                       |        |            |      |      |      |      |      |      |      |
|---------------------------------------|--------|------------|------|------|------|------|------|------|------|
| Temperature                           | °C     | ----       | 17   | 18   | 21   | 19   | 21   | 20   | 23   |
| pH                                    | ----   | 6.5 t 8.5  | 8.24 | 7.85 | 7.77 | 7.84 | 7.78 | 7.82 | 7.74 |
| Turbidity                             | N.T.U. | <1.0       | 9.7  | 0.8  | 0.9  | 0.9  | 0.8  | 0.7  | 0.7  |
| Residual Chlorine                     | mg/l   | 0.2 to 0.4 | NIL  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  |
| Total Alkalinity (CaCO <sub>3</sub> ) | mg/l   | 200        | 66   | 68   | 76   | 70   | 80   | 72   | 96   |
| Total Hardness (CaCO <sub>3</sub> )   | mg/l   | 200        | 60   | 62   | 68   | 62   | 70   | 64   | 80   |
| Chloride (Cl)                         | mg/l   | 250        | 3    | 4    | 4    | 4    | 4    | 4    | 4    |
| Total Dissolved Solids                | mg/l   | 500        | 102  | 106  | 115  | 109  | 118  | 111  | 132  |
| Free & Saline Ammonia                 | mg/l   | NIL        | NIL  | NIL  | NIL  | NIL  | NIL  | NIL  | NIL  |

| M.C. Public Health Laboratory Chandigarh |        |                  |                                   |         |                         |                         |                         |                         |                            |
|------------------------------------------|--------|------------------|-----------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| (Physico Chemical Analysis Report)       |        |                  |                                   |         |                         |                         |                         | DATE:- 14.09.2024       |                            |
| Parameter                                | Unit   | Quality standard | Water Treatment Plant Sector - 39 |         | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-II |
|                                          |        |                  | Raw                               | Treated |                         |                         |                         |                         |                            |
| Time of Collection (A.M.)                | ----   | ----             | 06:15                             | 06:20   | 06:50                   | 07:25                   | 08:45                   | 09:05                   | 08:30                      |
| Temperature                              | °C     | ----             | 17                                | 18      | 21                      | 20                      | 21                      | 20                      | 23                         |
| pH                                       | ----   | 6.5 t 8.5        | 8.26                              | 7.86    | 7.79                    | 7.83                    | 7.77                    | 7.8                     | 7.67                       |
| Turbidity                                | N.T.U. | <1.0             | 10.2                              | 0.7     | 0.6                     | 0.8                     | 0.7                     | 0.9                     | 0.4                        |
| Residual Chlorine                        | mg/l   | 0.2 to 0.4       | NIL                               | 0.4     | 0.4                     | 0.4                     | 0.4                     | 0.4                     | 0.3                        |
| Total Alkalinity (CaCO <sub>3</sub> )    | mg/l   | 200              | 64                                | 68      | 76                      | 70                      | 82                      | 74                      | 144                        |
| Total Hardness (CaCO <sub>3</sub> )      | mg/l   | 200              | 58                                | 60      | 66                      | 62                      | 68                      | 64                      | 98                         |
| Chloride (Cl)                            | mg/l   | 250              | 3                                 | 4       | 4                       | 4                       | 4                       | 4                       | 6                          |
| Total Dissolved Solids                   | mg/l   | 500              | 100                               | 104     | 113                     | 108                     | 117                     | 110                     | 180                        |
| Free & Saline Ammonia                    | mg/l   | NIL              | NIL                               | NIL     | NIL                     | NIL                     | NIL                     | NIL                     | NIL                        |

| M.C. Public Health Laboratory Chandigarh |      |                  |                                   |                         |                         |                         |                         |                             |  |
|------------------------------------------|------|------------------|-----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|--|
| (Physico Chemical Analysis Report)       |      |                  |                                   |                         |                         |                         |                         | DATE:- 15.09.2024           |  |
| Parameter                                | Unit | Quality standard | Water Treatment Plant Sector - 39 | Water Works Sector – 37 | Water Works Sector – 32 | Water Works Sector – 26 | Water Works Sector – 12 | Water Works Sector - 13-III |  |

|                                       |        |            | Raw   | Treated | 06:30 | 09:00 | 07:25 | 07:05 | 08:05 |
|---------------------------------------|--------|------------|-------|---------|-------|-------|-------|-------|-------|
| Time of Collection (A.M.)             | ----   | ----       | 06:15 | 06:20   | 06:30 | 09:00 | 07:25 | 07:05 | 08:05 |
| Temperature                           | °C     | ----       | 17    | 19      | 21    | 23    | 19    | 20    | 22    |
| pH                                    | ----   | 6.5 t 8.5  | 8.25  | 7.84    | 7.78  | 7.82  | 7.75  | 7.79  | 7.75  |
| Turbidity                             | N.T.U. | <1.0       | 9.8   | 0.8     | 0.5   | 0.7   | 0.6   | 0.8   | 0.5   |
| Residual Chlorine                     | mg/l   | 0.2 to 0.4 | NIL   | 0.4     | 0.4   | 0.4   | 0.4   | 0.4   | 0.3   |
| Total Alkalinity (CaCO <sub>3</sub> ) | mg/l   | 200        | 68    | 70      | 78    | 72    | 80    | 74    | 94    |
| Total Hardness (CaCO <sub>3</sub> )   | mg/l   | 200        | 60    | 62      | 68    | 64    | 70    | 64    | 78    |
| Chloride (Cl)                         | mg/l   | 250        | 3     | 4       | 4     | 4     | 4     | 4     | 4     |
| Total Dissolved Solids                | mg/l   | 500        | 101   | 105     | 114   | 107   | 117   | 109   | 130   |
| Free & Saline Ammonia                 | mg/l   | NIL        | NIL   | NIL     | NIL   | NIL   | NIL   | NIL   | NIL   |