

# SUB DIVISION LABORATORY

PUBLIC HEALTH ENGINEERING DEPARTMENT  
SUB DIVISION GOHAD, DISTT. BHIND (M.P.)

1. Sample from : *Shri Vinayak vidyapeeth*  
2. Particular of Sample : *Khaneta Road Chhimaka Gohad*  
3. Date of Collection : *18/04/2023*  
4. Date of Analysis : *20/04/2023*

|                    |                                              | As Per BIS-10500-2012<br>For Drinking Water |                  |                                                      |           |          |          |
|--------------------|----------------------------------------------|---------------------------------------------|------------------|------------------------------------------------------|-----------|----------|----------|
| S.N.               | Characteristics                              | Unit                                        | Acceptable Value | Permissible limit in the absence of alternate source | RESULT    |          |          |
| PHYSICAL TESTE     |                                              |                                             |                  |                                                      | Sample-1  | Sample-2 | Sample-3 |
| 1                  | Turbidity                                    | NTU                                         | 1.0              | 5.0                                                  | 1.6       |          |          |
| 2                  | Colour                                       | Cobalt                                      | 5                | 15                                                   | Nil       |          |          |
| 3                  | Taste & Odour                                |                                             | Unobjectionable  | Objectionable                                        | Odourless |          |          |
| 4                  | Temperature                                  | C°                                          | -                | -                                                    | 20°C      |          |          |
| CHEMICAL TESTE     |                                              |                                             |                  |                                                      |           |          |          |
| 5                  | PH Value                                     | PH Scale                                    | 6.5 To 8.5       | No Relaxation                                        | 6.5       |          |          |
| 6                  | Alkalinity                                   | Mg/L                                        | 200              | 600                                                  | 64        |          |          |
| 7                  | Chlorides (as Cl)                            | Mg/L                                        | 250              | 1000                                                 | 35        |          |          |
| 8                  | Nitrate as No3                               | Mg/L                                        | 45               | 45                                                   | Nil       |          |          |
| 9                  | Total hardness by standard E.D.T.A. Solution | Mg/L                                        | 200              | 600                                                  | 156       |          |          |
| 10                 | Calcium as Ca                                | Mg/L                                        | 75               | 200                                                  | 19.2      |          |          |
| 11                 | Magnesium as mg                              | Mg/L                                        | 30               | 100                                                  | 25.9      |          |          |
| 12                 | Iron                                         | Mg/L                                        | 0.3              | 0.3                                                  | Nil       |          |          |
| 13                 | Free Chlorine                                | Mg/L                                        | 0.2              | 1.0                                                  | Nil       |          |          |
| 14                 | T.D.S.                                       | Mg/L                                        | 500              | 2000                                                 | 252       |          |          |
| 15                 | Fluoride                                     | Mg/L                                        | 1.0              | 1.5                                                  | Nil       |          |          |
| 16                 | Arsenic                                      | Mg/L                                        | 0.01             | 0.05                                                 | 0.0       |          |          |
| BECT. FEACAL TESTE |                                              |                                             |                  |                                                      |           |          |          |
| 17                 | Bect. Feacal. E. Coli                        | Per 100 ml                                  | 0                | 0                                                    | Nil       |          |          |
| 18                 |                                              |                                             |                  |                                                      |           |          |          |

Chemist  
Water Testing Lab  
P.H.E. Sub Division - Gohad

Assistant Engineer  
P.H.E. Sub Division - Gohad  
Public Health Engineering Department  
Sub Division Gohad Bhind M.P.