

Date: 11-09-23  
 Surveyor's Name: Mr. Abhishek  
 Road Name: Hill road

Report

| Test Name                                  | Subtest Name                               | Value  |
|--|--|--------|
| Soil Gradation (mm)                        | Soil Gradation                             | 76.33  |
| Atterberg Limits (%)                       | Liquid limit (LL)                          | 31.34  |
| Atterberg Limits (%)                       | Plastic Limit (PL)                         | 3.41   |
| Atterberg Limits (%)                       | Plasticity Index (PI)                      | 8.69   |
| Natural Moisture Content (%)               | Subgrade material                          | 97.42  |
| Natural Moisture Content (%)               | Base and Sub-base Materials                | 9.61   |
| Proctor Density (g/cm³)                    | Maximum Dry Density (MDD)                  | 6.10   |
| Proctor Density (%)                        | Optimum Moisture Content (OMC)             | 35.03  |
| CBR (%)                                    | Subgrade                                   | 1.49   |
| CBR (%)                                    | Base Course                                | 4.10   |
| CBR (%)                                    | Sub-base                                   | 3.15   |
| Swelling Index (%)                         | Swelling Index                             | 291.95 |
| Moisture content at time of compaction (%) | Moisture Content at the time of Compaction | 1.30   |
| Thickness (inches)                         | Thickness                                  | 212.42 |
| Field Density (%)                          | Field density                              | 1.62   |
| Horizontal alignment (m)                   | Radius of Curvature (R)                    | 185.86 |
| Horizontal alignment (%)                   | Superelevation (Banking)                   | 6.66   |
| Horizontal alignment (m)                   | Transition Curve Length (L)                | 11.17  |
| Horizontal alignment (m)                   | Horizontal Curve Length (Lc)               | 22.56  |
| Horizontal alignment (%)                   | Grade (Slope)                              | 10.58  |