

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

Report

Test Name	Subtest Name	Value
Soil Gradation (mm)	Soil Gradation	2.91
Atterberg Limits (%)	Liquid limit (LL)	8.47
Atterberg Limits (%)	Plastic Limit (PL)	97.90
Atterberg Limits (%)	Plasticity Index (PI)	7.57
Natural Moisture Content (%)	Subgrade material	29.19
Natural Moisture Content (%)	Base and Sub-base Materials	11.37
Proctor Density (g/cm³)	Maximum Dry Density (MDD)	1.70
Proctor Density (%)	Optimum Moisture Content (OMC)	1.56
CBR (%)	Subgrade	15.61
CBR (%)	Base Course	51.37
CBR (%)	Sub-base	249.12
Swelling Index (%)	Swelling Index	2.78
Moisture content at time of compaction (%)	Moisture Content at the time of Compaction	0.70
Thickness (inches)	Thickness	9.49
Field Density (%)	Field density	25.14
Horizontal alignment (m)	Radius of Curvature (R)	9.77
Horizontal alignment (%)	Superelevation (Banking)	5.68
Horizontal alignment (m)	Transition Curve Length (L)	125.88
Horizontal alignment (m)	Horizontal Curve Length (Lc)	9.97
Horizontal alignment (%)	Grade (Slope)	1.77