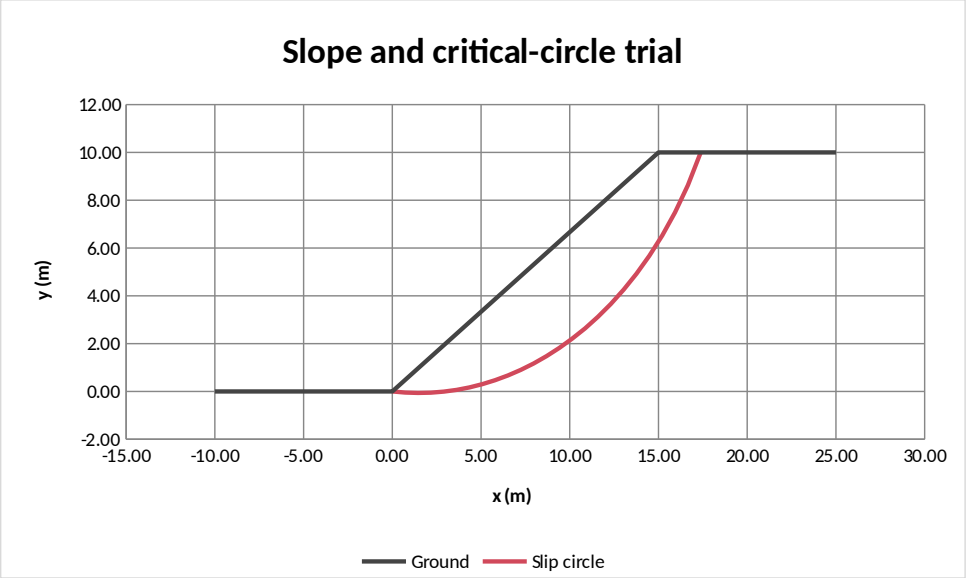
Slope Stability Report | گزارش پایداری شیب

Generated from sheet Slope · RastaWorks

Project / پروژه	Sample Project
Location – Section / محل	Cut slope S1
Depth (m) / عمق	0
Date / تاریخ	2026-10-18
Prepared by	Engineer

Quantity / کمیت	Value / مقدار	Unit	Quantity / کمیت	Value	Unit
Height H	**10.00**	m	**Angle β**	**33.69**	°
c / φ	**12.0 / 24.0**	kPa / °	**γ**	**18.0**	kN/m³
ru / q / kh	**0.15 / 0 / 0.00**	– / kPa / –	**Center (xc, yc)**	**(1.5, 17.5)**	m
Bishop F	**1.269**	–	**Fellenius F**	**1.190**	–
Required F	**1.25**	–	**Radius R**	**17.56**	m

Status: STABLE — F ≥ required



Notes: Simplified Bishop method for one trial circle through the toe. The critical factor of safety is the minimum over many trial circles — repeat with other centers. Homogeneous soil; for layered soils, water outside the slope or rapid drawdown use dedicated software. For design use, review by a qualified geotechnical engineer is required.
نتایج باید توسط مهندس ژئوتکنیک ذی‌صلاح بازبینی شود.