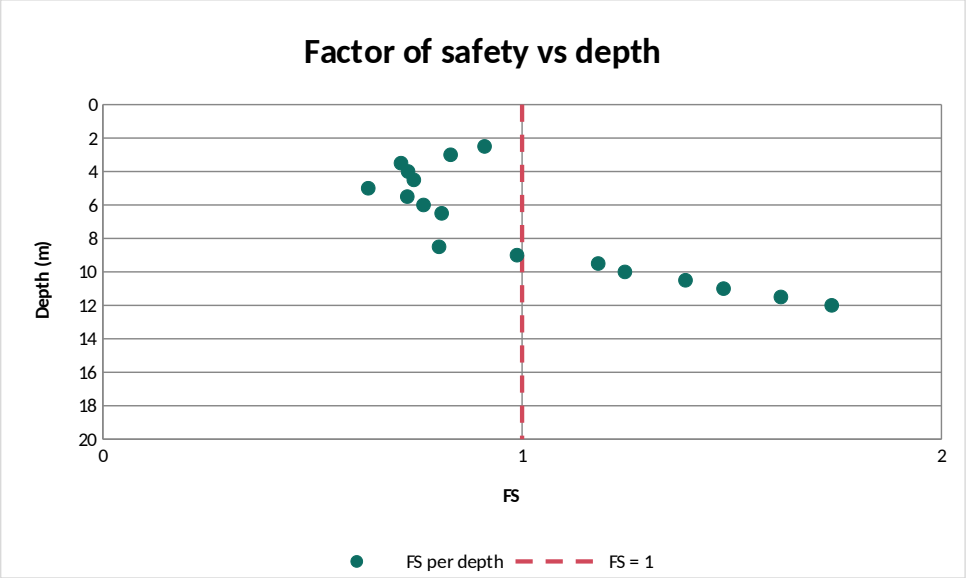
CPT Liquefaction Report | گزارش روانگرایی با CPT

Generated from sheet CPT · RastaWorks

Project / پروژه	Sample Project
Location – Section / محل	CPT-3, Section 1+200
Depth (m) / عمق	0–12
Date / تاریخ	2026-10-29
Prepared by	Engineer

Quantity / کمیت	Value / مقدار	Unit	Quantity / کمیت	Value	Unit
Mw	**6.5**	–	**amax**	**0.300**	g
Water table	**2.0**	m	**MSF**	**1.442**	–
Minimum FS	**0.63**	–	**Points FS < 1**	**11**	–
Liquefiable thickness	**5.5**	m	**LPI (0–20 m)**	**8.84**	–
LPI class	**High**	–	**Kσ**	**1.00**	–

Result: minimum FS = 0.63 · LPI = 8.8 (High)



Notes: Robertson & Wride (1998) CPT procedure as summarised by Youd et al. (2001) for sands and non-plastic silty sands; rows with Ic > 2.6 are clay-like and not evaluated. FS < 1 indicates triggering is expected for the stated Mw and amax. Review by a qualified geotechnical engineer is required.
نتایج باید توسط مهندس ژئوتکنیک ذی‌صلاح بازبینی شود.