

DYNAMIC WORKS — EXELON WEIGHBRIDGES

Civil Foundation & Site Preparation Engineering Guide

This guide details foundation tolerances, soil bearing capacity requirements (minimum 15 T/m²), pit drainage slope design, and approach apron specifications for Pit-Type and Pitless EXELON weighbridges.

- 1. Pitless Weighbridge Raft Slab:** Pour a flat C25/C30 reinforced concrete slab. Ensure 1-meter clear side clearance for cleaning.
- 2. Pit-Type In-Ground Excavation:** Install gravity drain with sump pump well. Maintain dead-level load cell base plates within +/- 1mm.
- 3. Ramp Gradient:** Recommended 1:10 maximum slope for surface approach ramps.

For technical support, contact Dynamic Works Engineering Team at info@eagleweighbridge.com or +91-8210165237.