



**THANTHAI PERIYAR GOVERNMENT INSTITUTE OF TECHNOLOGY,
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DEPARTMENT OF CIVIL ENGINEERING**

Tender Reference No: TPGIT/VELLORE/CIVIL/02/A3/2020

Purchase of Rebar Locator & NDT Tester

Description & Specifications of the Rebar Locator & NDT Tester to be purchased:

S. No.	Name & Description	Quantity Required
1	<p><u>Rebar Locator</u> Determining the position, depth and diameter of rebar can be detected. Rebar Detector & Monitor is a portable, quick and simple to operate. The data that is received by Rebar Detector can be transferred to PC via. USB port. Individual scans over lengths of up to 30 m. Cordless scanner for maximum freedom of movement. Immediate high resolution image for clear Picture of the reinforcement. Maximum Detection Depth-300 mm. Localization accuracy-+/- 10 mm. Maximum Depth for determining Depth of Cover-160 mm. Minimum distance between two neighboring objects-40mm. Maximum Scanning Speed-0.5m/s. Accuracy of depth indication-< 100 mm: +/- 10 mm. Operating Time with Battery- 8h. Screen -LCD. Working Temperature Range- -10 °C - (+50 °C).</p> <p><u>NDT tester (Digital Rebound Hammer)</u> Impact energy : approx 2.2 Nm Measuring range : from 10 to 130 N/mm² Weight : approx 2 kg Storage capacity : 2 Mb Operating temperature : -10 °C - (+60 °C). Battery life under continuous operation more than 10 hours USB port and PC software Result are displayed as numerical and graphical format Accessories : Calibration anvil</p>	01