


Sl. No.	Name of Item	Specification	Quantity
1.	Swell Test Apparatus	<p>Swell Test Apparatus conforming to IS:2720 (Part-41) for measuring the swelling pressure of partially saturated soils when subjected to saturation.</p> <p>The apparatus shall consists of:-</p> <ul style="list-style-type: none"> <li>i) Load frame, 50 kN capacity, hand operated.</li> <li>ii) Mould with 100 mm internal dia x 127.3 mm high, 1000 cm<sup>3</sup> volume.</li> <li>iii) Proving Ring 2.0/2.5 kN capacity with load transfer bar and steel ball.</li> <li>iv) Soaking tank</li> </ul>	1 No.
2.	Proctor Penetrometer	Proctor Penetrometer for use in the field for controlling soil compaction by initial calibration from laboratory tests for moisture density relationship consists of a barrel housing a spring and with set of needles.	1 No.
3.	Rapid Moisture Meter	Rapid Moisture Meter conforming to IS :12175 based on the chemical reaction between calcium carbide and moisture in the soil. Moisture content shall be indicated in terms of percentage on the pressure gauge.	1 No.
4.	Split Spoon Sampler	<p>Sampler as per IS:9640 for carrying out standard penetration tests as per IS:2131 to determine the penetration resistance of soils in-situ (N - Value)</p> <p>The equipment shall comprise the following :-</p> <ul style="list-style-type: none"> <li>i) Split barrel 35 mm I.D. 50.8 mm OD and 500 mm long.</li> <li>ii) Driving shoe with hardened cutting edge.</li> <li>iii) Head assembly with ball valve and adopter to fit to A-rod.</li> </ul>	1 No.



  
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