

**ANNEXURE A:**

**TECHNICAL SPECIFICATIONS FOR BONE STRENGTH TESTER**

<b>S.no</b>	<b>Equipment</b>	<b>Specification</b>
1.	<b>Bone Strength Tester (01)</b>	<ol style="list-style-type: none"><li>1. Should preferably be a Desk-Top type model</li><li>2. Should provide precise measurement of the bone breaking strength of the rats or mice.</li><li>3. Should include sensors and accessories for following types of evaluation on different types of bones:<ol style="list-style-type: none"><li>a. Bending</li><li>b. Torsion</li><li>c. Compression</li><li>d. Breaking</li><li>e. Indentation</li><li>f. Shear</li><li>g. Tensile Strength</li></ol></li><li>4. Should include a monitor for configuration with analysis software for setting the operating conditions and for data saving and output (both in excel and graphical formats). Results may also be printed on a rapid thermal printer.</li><li>5. Should be able to apply tension in longitudinal and horizontal axis.</li><li>6. Should have option to preset an extra weight ranging from 10 grams to 490 grams by 10 gram steps against the sample for the torsion test.</li><li>7. Should be complete with all necessary accessories</li></ol>