

**SUBMITTED**

Sub: Purchase of **Laboratory Equipment** for Material Testing Lab of Dept. of Civil

Engineering- reg: -

The Material Testing Lab in Dept. of Civil Engineering urgently requires Civil engineering lab equipment. Kindly take the necessary steps to purchase this equipment for the Material Testing lab of the Dept. of Civil Engineering as per the detailed Specifications given below.

<b>Sl. No.</b>	<b>Item with specification</b>	<b>Approximate Amount</b>	<b>Quantity (Nos.)</b>	<b>Total Amount Rs.</b>
1	<b><u>CUBE MOULD (15X15X15cm)</u></b> Material: cast iron Mould size: 15x15x15cm Distance between opposite faces:150mm Height of mould:150mm Surface finish: paint coated Marking: ISI mark (IS:10086) One year calibration certificate <i>Specifications as per IS:10086-1982</i>		6	
2	<b><u>CYLINDRICAL MOULD (15X30cm)</u></b> Material: cast iron Mean internal diameter: 150mm Height:300mm Surface finish: paint coated <i>Specifications as per IS:10086-1982</i>		3	
3	<b><u>BEAM MOULD (10X10X50cm)</u></b> The moulds are made of 4 plates assembled together with base plate. Faces are machined flat to plus minus 0.2mm and finished in size to 0.2mm. Length between Internal faces: 500mm Width between internal faces: 100mm Height: 100mm Surface finish: paint-coated. <i>Specifications as per IS:10086-1982</i>		3	
4	<b><u>SLUMP TEST APPARATUS (slump cone)</u></b> Material: Galvanized iron sheet or any other suitable metal not readily attacked by cement paste Bottom diameter: 200mm Top diameter: 100mm Height: 300mm Thickness of metal sheet: at least 1.6mm thick Surface finish: paint coated Base included. One year calibration certificate <b><u>Graduated Tamping Rod</u></b> Straight steel rod		1	

5	<p>Diameter of rod: 16mm  Length of rod: 600mm  <i>Specifications as per IS:7320-1974</i>  <b><u>COARSE AGGREGATE SIEVE</u></b>  Material –GI Frame, GI perforated plate  Diameter: 30cm  Shape : round  GI frame sieve size:  80,40,20,12.5,10,6.3,4.75,2.36,1.18mm  Test sieve with <b><u>cover &amp; receiver</u></b> included.  <i>Specifications as per IS:460-2 : 1985</i></p>		1set	
6	<p><b><u>FINE AGGREGATE SIEVE</u></b>  Material: GI sheet frame with joint fitted with  steel perforated square opening  Diameter: 20cm  Grade standard: ISO certified  Sieve size: 90,75,150,300,500,600µm,  1.18,2.36,4.75 ,1mm,2mm  Test sieve with <b><u>cover &amp; receiver</u></b> included.  <i>Specifications as per IS:460-2 : 1985</i></p>		1set	