

**Scheme code: CC-AICTE/2017/BC/01**

SI No	Particulars	Specifications	Qty(Approx)
1	<b>Beam Mould (plastic)</b>	Conforming to ASTM standards. Manufactured from a robust plastic resistant to shock and abrasion. 1) 100x100x500mm	5
		2) 150X150X600mm	5
2	<b>Crushing value equipment</b>	Strictly conforming to IS standard:, 150 (standard) dia. The apparatus comprehend cylinder, plunger, base plate, tamping rod and measure. Cylinder, plunger and base plate should be made up of special alloy steel, hardened to 650 HV (57,8 HRC), and protected against corrosion.	2
3	<b>Impact Tester</b>	For Charpy and Izod Testing, ASTM Standard, The IZOD/CHARPY impact tester should highly efficient and precise to check the impact strength of plastic and other materials with digital display	1
4	<b>Ring and Ball apparatus</b>	Used for determining the softening point of bituminous materials. 1 Brass rings (2 pieces) 2 Steel balls 9.5 mm dia. (2 pieces) 3 Ball centering guide (2 pieces) 1 Glass vessel 5 Pouring plate 6 Ring holder/assembly 1 Glass thermometer, -2 +80°C, 0.2°C graduation, ASTM 15C	3
5	<b>Blane air permeability apparatus</b>	Apparatus for finding out fineness of cement. Apparatus conforming to IS:5516, supports the following standards: ASTM ,Rubber bulb for Blaine Air Apparatus, Cell and plunger for Blaine Air Apparatus ,Perforated brass disc for Blaine Air Apparatus	1
6	<b>Test on deleterious material apparatus</b>	Clay Lumps and Friable Particles in Aggregate, Sample splitter, quartering cloth, quartering machine.	1
7	<b>Weigh balance for finding out specific gravity of coarse Agg.</b>	i)Scale of capacity not less than 3 kg, ii)readble and accurate to 0.5 g iii)Type and shape as to permit the basket containing the sample to be suspended from the beam and the weighed in water.	1

8	<b>Rotating Fatigue test apparatus.</b>	Complete Test System where a test piece is held in the collet and is made to rotate at the desired speed. A loading arrangement loads the cylindrical test piece applying a bending moment over the full length of the test piece. Fatigue life of the sample can be evaluated by determining the number of cycles until sample failure occurs	1
9	<b>Alkali Aggregate reaction test equipment</b>	Dimensions: 550x1000x800mm, Weight 70 kg (approx), Power 2000w	1
	<b>Split Tensile test equipment</b>	Max height- 370 mm, approx. weight- 28 kg, max height-388mm, approx. weight-50kg	1
10	<b>Flexural tensile strength testing apparatus for concrete</b>	10kN flexural testing machine. Power supply- 220-240V AC, 50 Hz	1
11	<b>Deflection test apparatus</b>	Deflection testing machine, Modular system: basic configuration with 3 measuring units; expandible up to 6 units; rugged datalogger with integrated battery, suitable for use on site; displacement transducers with 50 mm travel, accuracy 0.01 mm and 10 m cable allowing increase manageable on site	1
12	<b>Torsion test apparatus</b>	Torsion testing machine, 2.2 kN (500 lb) combined with 28 Nm (250 in-lb,	1
13	<b>Hardness test apparatus:</b>		
	<b>a) Brinell hardness test b) Rockwell hardness test</b>	30 TO 3000 Kgf machine	1