

**TECHNICAL BID PROFORMA**Item Name: **BIAXIAL-MECHANICAL STRETCHING DEVICE****I. Bidder Eligibility Criteria:**

I	Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India)	Class I / Class II	Local Content value	Reference, Page No.
I	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 <sup>th</sup> September 2020 and other subsequent orders issued therein.			

**II. Technical Compliance:**

S.NO	SPECIFICATIONS	COMPLIED/ NOT COMPLIED	REFERENCE PAGE NO
1	System should perform planar, non-equi-biaxial testing of biomaterials such eye tissue, heart valves, pericardium, joint capsules, large blood vessels, scaffolds, and soft polymers.		
2	Should have temperature-controlled media bath to maintain specimen temperatures up to 80°C.		
3	Multiple grip options to support a wide range of specimen sizes and properties must be available.		
4	components must be removable and washable, for easy cleaning.		
5	The grips should allow for fast and accurate mounting of specimens as small as 3mm.		
6	Force capacity of 23N with resolution of 1N is required.		
7	Choice of load cells from 0.5N to 23N should be available.		
8	Actuators should work with maximum velocity of 20 mm/s with grip separation of 80 mm.		
9	An integrated CCD camera with 15Hz imaging rate for non-contact strain measurement must be available.		
10	Control software should give the user complete control of the test protocol such as displacement and force control, cyclic testing, creep, preloads, and non equi-biaxial loading.		
11	Warranty – 3 Years AMC – 2 Years Optional.		

**(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the above points with document proof as required. Failing which bidders will be technically disqualified)**

**SIGNATURE OF BIDDER ALONG WITH  
SEAL OF THE COMPANY WITH DATE**