Sl. No.	Description	Specification	Complied / Not Complied	Offered Specification
1	Isostatic Laminator	Shall be capable of laminating stacked green tapes for co-fired ceramic applications.		
2	Green Tape Stack:			
	System should be capable of laminating green tape stacks with following specifications:			
2.1	Green Tape part size	• Upto 152.4 mm x 152.4 mm (6-inch x 6-inch)		
		• Thickness: Upto 0.25 mm (0.01 inch)		
		• Typical Green tape thickness are 1 mil, 2mil, 4mil, 6 mil, 8 mil and 10 mil		
2.2	Green Tape Stack Thickness	Upto 10mm (0.39 inch)		
3	Vacuum Sealing system	Independent or built-in Vacuum sealing system for stacked Green Tape part		
	for Green Tape	in flexible laminating bags.		
4	Pressurization Vessel:			
	Pressure vessel should be ba			
4.1	Construction	Pressure vessel should be constructed of monoblock stainless steel and should be corrosion resistant.		
4.2	Dimension	Inner Diameter: Minimum 203 mm (8 inch)		
		Depth: Minimum 203 mm (8 inch)		
		Vessel should be suitable for green tapes of dimension 152.4 mm x152.4 mm (6 inch x 6 inch)		
4.3	Pressure Medium	Pressurization medium should be de-ionized and anti-corrosion water based.		

4.4	Pressure Range	Max working pressure: 40 - 60 MPa	
4.5	Pressurizing Time	Variable up to 50 minutes (Profile based)	
4.6	Temperature	Maximum Operating Temperature : 85 °C (Typical)	
4.7	Stable pressure during of		
4.8	Pressure Release	Automatic after each cycle	
5	Safety	Proper safety system built-in to system for human interface	
6	Power Supply	220 V±10%, single phase, 50-60 Hz or 400V±10%,, 3 phase ,50-60 Hz	
7	Dimension	$L \le 1550 \text{ mm}$ $W \le 1500 \text{ mm}$ $H \le 2000 \text{ mm}$	
8	Controller & Software	e	
8.1	HMI	Touch screen based user interface system	
8.2	Parameter Control	All lamination related parameters such as temperature, pressure, time should be fully programmable.	
8.3	Memory	Should be capable of storing 50+ recipes for easy retrieval and reuse.	
9	Safety	Proper safety system build-in to system for human interface: • The machine should not operate if the access door is open. • The access door to be safety interlocked during the operation. • Emergency shutdown button shall be provided.	

10	All prices shall be quo	ted in Price Bid ONLY	
11	Warranty	i. 2 years standard on-site warranty from the date of successful installation.ii. Once fault is flagged; vendor must respond within five days.	
		a. In case of major fault, such as one requiring part replacements, it must be rectified within one month after initial 5-day response period.	
		b. For other faults, it must be rectified within 10 days after initial 5-day response period.	
		If the servicing period is extended beyond 1 month, warranty period shall be extended accordingly.	
12	Delivery Period	Within 12 months from receipt of PO	
13	Local service	There shall be certified engineer for service in India.	
14	Manuals	 i. Product catalogue shall be provided along with technical bid. ii. Two sets each of Operating manual and maintenance manual (hard & soft copy) of the system in English shall be provided along with the item free of cost. 	
15	Training	Adequate training should be provided to URSC engineers/technicians post installation.	
16	Installation & Commissioning	The equipment should be installed at URSC. The supplier should take full responsibility of the System till successful completion of installation & commissioning, and handing over to URSC.	
17	General Terms & Conditions		
17.1	Certificate of Origin: Vendor shall provide the "Original Equipment Manufacturer" Dealership/Authorization certificate for the offered Isostatic Laminator along with the quote.		
17.2	The system shall be installed in URSC by authorized supplier.		

17.3	Systems from manufacturers for whom it is a regular/standard product only will be considered. References of offered system installed in India (if any) with contact details of end user must be provided.	
17.4	Quote shall be for new equipment only . 2 nd hand or refurbished products will not be considered.	
17.5	All the technical details shall be quoted by the supplier along with catalogue of the equipment.	

Note: Compliance statement should mandatorily mention Complied / Not-Complied along with details against each specification. Indicating merely 'YES', 'NO' or OKAY' in the compliance statement will not be considered.