

**TECHNICAL BID PROFORMA**  
Item Name: “DAQ Chassis + Module”

**Bidder Eligibility Criteria:**

1.0	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.			
2.0	Bidder Eligibility Criteria-II	<b>Compliance (Yes/No)</b>	<b>Reference Page No.</b>	<b>Remarks, If any</b>
1	The bidder/OEM should have supplied at least 3 similar items to IITs, NITs, IISERs, CSIR Labs or other Govt. R&D organizations in the last 5 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation.			

**3.0 Technical Compliance:**

<b>Chassis: Quantity 2</b>				
S.No	Technical specifications (each chassis)	Range/ Type	Complied / Not Complied	Reference Page No.
1	Type of connectivity	Ethernet		
2	Number of connectivity ports	Greater than 1 port		
3	Aggregate sampling rate	Greater than or equal to 10 <sup>6</sup> samples per second (10 <sup>6</sup> sample per second = 1 MS/s)		
4	Number of slots for modules	Greater than 4		
5	Working temperature range	20° C to 50° C		
<b>ADDITIONAL TERMS AND CONDITIONS</b>				
6	Warranty	<b>1 year from the date of delivery</b>		
<b>Note: MS/s = Mega samples per second</b>				
<b>Voltage (integrated electronic piezoelectric (IEPE) signal) input module: Quantity 7</b>				
S.No	Technical specifications (each module)	Range/ Type	Complied / Not Complied	Reference Page No.
1	Signal range	Within ± 30 volts		
2	Type of channel connectivity	BNC connectivity		

3	Number of channels	Greater than 2		
4	Sampling rate	Greater than or equal to 20 kS/s/ch (kS/s/ch = Kilo samples per second per channel )		
5	Noise at maximum sampling rate	Less than 500 $\mu V_{rms}$		
6	Isolation	Channel – earth		
7	Working temperature range	20° C to 50° C		
<b>ADDITIONAL TERMS AND CONDITIONS</b>				
8	Warranty	<b>1 year from the date of delivery</b>		
<b>TEMPERATURE INPUT MODULE: QUANTITY 3</b>				
<b>S.No</b>	<b>Technical specifications (each module)</b>	<b>Range/ Type</b>	<b>Complied / Not Complied</b>	<b>Reference Page No.</b>
1	Number of channels	Greater than or equal to 4		
2	Supporting thermocouple type	K and R type		
3	Type of connectivity	Screw terminal or spring terminal		
4	Sampling rate	Greater than or equal to 12 samples per second considering all channels (1 sample per second = 1 S/s )		
5	Accuracy	Less than or equal to 1.0° C		
6	Isolation	Channel – earth		
7	Working temperature range	20° C to 50° C		
<b>ADDITIONAL TERMS AND CONDITIONS</b>				
8	Warranty	<b>1 year from the date of delivery</b>		
<b>Voltage output module: Quantity 3</b>				
<b>S.No</b>	<b>Technical specifications (each module)</b>	<b>Range/ Type</b>	<b>Complied / Not Complied</b>	<b>Reference Page No.</b>
1	Number of channels	Greater than 3		
2	Signal range	Within $\pm 10$ volts		
3	Type of connectivity	Screw terminal or spring terminal		
4	Isolation	Channel - channel		
		Channel – earth		
5	Working temperature range	20° C to 50° C		
<b>ADDITIONAL TERMS AND CONDITIONS</b>				
6	Warranty	<b>1 year from the date of delivery</b>		
<b>Voltage input module: QUANTITY 3</b>				
<b>S.No</b>	<b>Technical specifications (each module)</b>	<b>Range/ Type</b>	<b>Complied / Not Complied</b>	<b>Reference Page No.</b>

1	Channel type	Single-ended		
2	Number of channels	Greater than or equal to 2		
3	Nominal input range	Within $\pm 5$ volts		
4	Accuracy	Less than or equal to $\pm 1.5$ % of full-scale		
5	Working temperature range	20° C to 50° C		
<b>ADDITIONAL TERMS AND CONDITIONS</b>				
6	Warranty	<b>1 year from the date of delivery</b>		
<b>Note: Chassis should be compatible with Voltage (integrated electronic piezoelectric (IEPE) signal) input module, temperature input module, voltage output module and Voltage input module..</b>				

(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**