

TECHNICAL BID PROFORMA

Item Name: “Piezoelectric Pressure Transducer”

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 th September 2020 and other subsequent orders issued therein.			
2.0	Bidder Eligibility Criteria-II	Compliance (Yes/No)	Reference Page No.	Remarks, If any
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:

S. N0	Nomenclature	Range	Complied / Not Complied	Reference Page No.
1	Type of sensor	Either Voltage-Output sensor or Charge-Output sensor. If a charge-output sensor is included in the bid, a compatible charge amplifier (or an amplifier integrated charge-output sensor) should be included in Technical and Financial Bids.		
2	Maximum range	Greater than 178dB (15kPa) (Note: dB=Decibel)		
3	Sensitivity	Within the range 150 to 300 mV/kPa		
4	Low frequency response	Less than or equal to 1s0 Hz		
5	Natural / Resonant frequency	Greater than or equal to 8 kHz		
6	Non-Linearity	Less than or equal to 2.0 % of full-scale reading		
7	Minimum operating	Less than or equal to 20°C		

	Temperature limit			
8	Maximum operating Temperature limit	Greater than or equal to 100°C		
9	Housing material	Stainless steel or stainless alloy		
10	Thread size	M12 or M14		
11	Accessories	Sensor to DAQ connecting cable, greater than 15 ft, 10-32 coaxial plug to BNC plug.		

Sl.No.	Other Requirements	Complied / Not Complied	Reference Page No.
1	Warranty: One year from the date of delivery		

(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**