

**TECHNICAL BID PROFORMA**

Item Name: “PITOT PROBE-Qty 2”

**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	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:**

Minimum technical specifications required for five unit of PITOT PROBE-Qty 2  
Specifications: -

Sl.No.	Description	Complied / Not Complied	Reference Page No.
1)	<b><u>Application:</u></b> Probe and accessories must be mountable on an unmanned aerial vehicle		
2)	<b>Number of units:</b> 2 (1 heated and 1 unheated)		
3)	<b>Number of ports:</b> 5 tip pressure ports with static ring for wind velocity measurement		
4)	<b>Wind speed measurement range:</b> 5 - 50 m/s or more		
5)	<b>Wind speed measurement error:</b> less than 1% or 1 m/s		
6)	<b>Wind direction range:</b> acceptance angle up to +/- 20 degrees		
7)	<b>Wind direction error:</b> less than 1 degree		
8)	<b>Sampling rate:</b> 100 Hz or more		

9)	<b>De-icing:</b> Must be heated to be operable under icing conditions for the heated prob		
10)	<b>Probe weight:</b> Must weigh less than 150 grams		
11)	<b>Computer:</b> Integrated air data computer and temperature sensor		
12)	<b>Data:</b> To be transmitted live to a flight controller or on-board memory		
13)	<b>Power:</b> For the option with heater, the power consumption must be lower than 20W/12V. Computer to draw 3W or lesser		
14)	<b>Calibration:</b> Calibration charts in the operating wind speeds must be made available		
15)	<b>Documentation:</b> Sensor and aerodynamic certification documents to be made available		

Sl.No.	Other Requirements	Compliance (Yes/No)	Reference Page No.
1	Vendor should be able to provide continuous technical support (online acceptable) and maintenance of equipment if covered under warranty.		
2	Vendors have to provide warranty for a minimum of one year.		
3	Vendors must provide detailed documentation for the equipment.		
4	Vendors may be called to visit and give a presentation/demonstration on the equipment after opening the technical bid. They need to provide the approximate date for this presentation in the bid. The time period for this presentation would be 14 days from the date of opening of the bid. Presentation/demonstration will be part of technical bid evaluation. Vendors must have sufficient experience in supplying equipment in reputed organizations for research purposes. They must provide a list of programs that use the supplied item, and will be used as part of the assessment.		
5	Vendors must provide either an installation guise/manual or training to our technical staff for using the equipment.		
6	All the expenses for installation, training and post sales technical support will be borne by the vendor.		

(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**