

**TECHNICAL BID PROFORMA**  
**Item Name: Hyperspectral Camera**

**1.0 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.			
<b>2.0</b>	<b>Bidder Eligibility Criteria-II</b>	<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:**

Minimum technical specifications required for **Hyperspectral Camera**:

Sl.No.	Description	Complied/ Not Complied	Reference Page No.
1	<b>Application:</b> Hyperspectral camera that must be mountable on unmanned aerial vehicles		
2	<b>Number of units:</b> 1		
3	<b>Camera size:</b> Less than 100 mm x 100 mm x 100 mm		
4	<b>Weight (including gimbal):</b> Less than 800 gms		
5	<b>Power requirements:</b> Less than 30 W		
6	<b>Interface and storage:</b> Must support onboard storage and access at least through a standard USB format		
7	<b>UAV mounting:</b> Must have the capacity to interface with gimbal mount		
8	<b>HSI spectral bands:</b> At least 100 bands in the range of 500-1000 nm with a spectral resolution of at least 5 nm. Resolution of at least 540 x 540 px.		
9	<b>RGB camera:</b> Must also have a RGB livestream with a minimum resolution of 1800 x 1800 px.		
10	<b>Protection:</b> Must be at least IP40		

Sl.No.	Other Requirements	Complied/ Not Complied	Reference Page No.
1	Vendors should provide continuous technical support and maintenance of equipment.		
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.		
5	Vendors must provide training to our technical staff for using the equipment.		
6	All the expenses for the installation, training and post sales technicalsupport will 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**