

**TECHNICAL BID PROFORMA**  
**Item Name: Multispectral Camera with Gimbal-Qty 3**

**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: Multispectral Camera with Gimbal – Qty 3**

Technical specifications required for three units of **Multispectral Camera with Gimbal**

Sl.No.	Description	Complied / Not Complied	Reference Page No.
1	<b>Application:</b> Multispectral camera that must be mountable on unmanned aerial vehicles		
2	<b>Number of units:</b> 3		
3	<b>Camera size:</b> Less than 75 mm x 75 mm x 35 mm		
4	<b>Weight:</b> Less than 350 gms		
5	<b>Power requirements:</b> Less than 20 W		
6	<b>Image formats supported:</b> At least jpeg, and tiff		
7	<b>Frequency of capture:</b> Less than 10 FPS		
8	<b>Interface and storage:</b> Must support onboard storage and access at least through a standard USB (B or C) format		

9	<b>UAV mounting:</b> Must have a gimbal mount with vibration isolation capability		
10	<b>Spectral bands:</b> Must provide a band that is not more than 30 nm across blue (~475 nm), green (~550 nm), red (~670 nm), red edge (~715 nm) and near infrared (~840 nm).		
11	<b>Global shutter:</b> The monochrome sensors must be equipped with a global shutter		
12	<b>Visible range camera:</b> An integrated RGB camera of at least 10 MP must be present.		
13	<b>Gimbal:</b> Active 3-axis stabilized gimbal system with manual tilt control. Gimbal must weigh less than 250 gms.		

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 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**