

REQUEST FOR INFORMATION
FOR PROCUREMENT OF MICRO UNMANNED AERIAL SYSTEMS

1. The Ministry of Defence, Government of India, intends to procure Micro UAS to carryout Intelligence, Surveillance, Recce missions.
2. This Request for Information (RFI) consists of two parts as indicated below:-
 - (a) Part I The first part of the RFI incorporates operational characteristics and features that should be met by the equipment. Few important technical parameters of the proposed equipment are also mentioned.
 - (b) Part II The second part of the RFI states the methodology of seeking response of vendors.

PART-I

3. The Intended Use of Equipment (Operational Requirements). The Micro UAS would be used by the Indian Air Force.
4. Important Technical Parameters. The required technical parameters are placed as Annexure.
5. Vendor should confirm that following conditions are acceptable:-
 - (a) The solicitation of offers will be as per 'Single Stage-Two Bid System' it would imply that a 'Request for Proposal' would be issued soliciting the technical and commercial offers together, but in two separate sealed envelopes. The validity of commercial offers would be at least 18 months from the submitting of offers.
 - (b) The technical offer would be evaluated by a Technical Evaluation Committee (TEC) to check its compliance with RFP.
 - (c) The equipment of the TEC cleared vendors would be put through a field evaluation on a 'No Cost No Commitment' basis. A staff evaluation would be carried out to analyse the result of field evaluation and shortlist the vendors.
 - (d) After clearance by Field evaluation team, a Contract Negotiations Committee would decide the lowest cost bidder (L1) and conclude the appropriate contract.
 - (e) Vendor would be bound to provide product support for time period specified in the RFP, which includes spares and maintenance tools/jigs/fixtures for field and component level repairs.
 - (f) The vendor would be required to accept the general conditions of contract given in the Standard Contract Document at Chapter V of DPP 2008 placed on www.mod.nic.in.

(g) Integrity Pact. An integrity pact along with appropriate EMD is a mandatory requirement in the instant case (refer Annx I to Appx H of schedule I of Chapter I of DPP-2008).

(h) Performance /Warranty Bonds. Performance Bond and Warranty Bond are required to be submitted after signing of contract as per provisions of DPP 2008.

PART-II

6. Procedure for Response.

(a) Vendor must fill the details sought in the Annexure. Additional literature on the product can also be attached with the reply. The RFI is to seek information on products that are available with the vendor. Deviations in parameters are acceptable at this stage and flexibility is possible. Other additional features if available may be indicated as optional equipment. Where possible a rough order of magnitude of costs is requested for planning and budgeting.

(b) The filled form should be dispatched at under mentioned address:

PD ASR (Room No 442)
Air HQ (Vayu Bhawan)
Rafi Marg New Delhi-110106
Fax 011-23011836 / 23011753

7. The Government of India invites responses to this request only from Original Equipment Manufacturers (OEM) / authorised Vendors/Government Sponsored Export Agencies (applicable in the case of countries where domestic laws do not permit direct export by OEMs). The confirmation to this effect is required as a part of response to this RFI. The end user of the equipment is the Indian Air Force.

8. Vendor is to state if the system is already in use or under development. Necessary Government clearances would need to be obtained, where applicable by the vendor for supply of the equipment to Government of India.

9. The vendor is to attach detailed technical specifications of the equipment being offered as response to this RFI. The delivery schedule of the system is within next three years. The expected date of response is within four weeks from the date of receipt of this RFI.

10. This information is being issued with no financial commitment and the Ministry of Defence reserves the right to change or vary any part thereof at any stage. The Government of India also reserves the right to withdraw it should it be so necessary at any stage. The acquisition process would be carried out under the provisions of DPP-2008. Kindly acknowledge receipt of the RFI.

Required Important Technical Parameters
Micro Unmanned Aerial Systems

Sl.No	Preferable Requirements		Vendor to specify
1.	System Configuration	Micro airframe with Fuel/ battery operated engine, mission specific payloads with state of the art technology. It should have portable light weight Ground Control Stations, datalink terminals.	Provide technical information
2.	Range & Endurance Weight	LOS range be specified Endurance in excess of 30 min Less than two kgs preferable	Ranges and endurance in all offered configurations are to be specified. Total wt to be specified
3.	Payloads	Specific for ISR tasks Day CCD cameras/ FLIR payload	Provide technical information. Additional payloads if any
4.	Operations	(a)Should be capable of undertaking intended surveillance missions (b) Should have hand launched or Vertical T/O and landing capability	Capability to be specified.
5.	Service Ceiling	Wide band of operations including urban areas.	Provide technical information
6.	Forward Speed / hover	Specify cruise speeds/ hover	Speed range to be specified.
7.	Avionics	Latest Avionics and navigation system	Provide technical information additionally on, Electro Optical day, IR payloads.
8.	Portable Ground Control Station and Data link	Preferably a simple design such as PC based Ground Control Station capable of handling the UAV Telemetry information, Mission display Image processing, detection and transmission of information pertaining to all payloads. Facility to integrate with other HQ/ Control Stations.	Provide complete technical information. (Data link is expected to have LOS capability, Integration with portable hand held Remote Video Terminals if available may be specified). Specify type of band for datalink
10.	Simulator	Provision for training the micro UAS operators.	Details to be provided
11.	Safety features	Proven safety record. Adequate safety features and redundancies to cater for failures.	Details to be provided
12.	Life	Total Technical Life of more than	Details to be provided

		10 years	
13.	Certification		Details to be provided
14.	Technical Infrastructure		Provide information on the facilities required for establishing op and maintenance infrastructure
	Details of system components (Squadron composition) in terms of no of MAVs, GCS, RVTs, datalinks and payloads may be specified. Any other relevant information on capability of roles and additional roles may also be specified		