

**Government of India  
Department of Space  
Liquid Propulsion Systems Centre  
Valiamala, Thiruvananthapuram – 695 547**

**Invitation for Expression of Interest (EOI) for Development,  
Qualification and delivery of Flight Units of Power Processing and  
Control Unit for Small and Micro satellites**

**1. Introduction**

Liquid Propulsion System Centre (LPSC) is the lead centre of ISRO for developing and delivering state of the art liquid propulsion systems for India's space program. LPSC has embarked upon the development of Electric Propulsion Systems with Stationary Plasma Thrusters (SPTs). A power processing and control unit is required to drive these thrusters.

The Power Processing and Control Unit (PPCU) converts the DC input from the spacecraft Power Bus to multiple high voltage and high current outputs required to operate the SPT. The PPCU consists of Power Processing Units (PPU) with high voltage & high current circuits, Control Unit (CU) and Filter Units (FU).

Development and qualification of Power processing and control unit involves

- High voltage and high speed digital PCB layouts design by CONTRACTOR as per the schematic provided by DEPARTMENT in their facility
- Chassis design by the CONTRACTOR as per the requirements provided by the DEPARTMENT in their facility.
- Procurement of components, material for PCB & Chassis fabrication and standard parts by CONTRACTOR as per the specification provided by DEPARTMENT.
- Screening of components, PCB wiring, polymer application, Inspection, Assembly and testing of PPCU modules including environmental test by CONTRACTOR in their facility.

Through this Expression of Interest (EOI), LPSC indents to shortlist vendors in the field of aerospace, defence and space sector with experience in high voltage/ high power area for executing this contract. In the next stage, RFP will be floated for shortlisted vendors in two part bid format viz. Techno-commercial bid and price bid.

Detailed project synopsis is attached in **Attachment-1**.

**a. Response to EOI**

- i. Vendors are advised to study all the instructions, Terms and Conditions, Forms, Requirements and other information provided in the EOI documents carefully. The submission of EOI shall be deemed to have been done after a careful study and examination of the EOI documents with full understanding of its implications.

- ii. DEPARTMENT reserves the right to request for any additional information and also reserves the right to reject the EoI response of any vendor, if in the opinion of DEPARTMENT, the qualification or data is incomplete or if the vendor is found not qualified to satisfactorily execute the work.
- iii. Vendor shall bear all costs and expenses associated with preparation and submission of EoI document including post EoI clarification, discussion, technical and other presentations and LPSC shall in no case be responsible or liable for such costs regardless of the outcome of the EoI process. Also, the vendor shall not be entitled to claim any costs, charges and expenses incidental to or incurred by them in connection with the submission of the EoI.
- iv. The response to this EoI should be full and completed in all respects. Failure to furnish all the information required by the EoI document or submission of proposal not substantially responsive to the EoI documents to every respect will be at the risk of the Company/ Firms(s) and may result in rejection of the document.
- v. Canvassing in any form in connection with EoI is strictly prohibited and such canvassed EoI submitted by the Agency are liable to be rejected.
- vi. This EoI document is not an offer and is issued with no commitment. DEPARTMENT reserves the right to withdraw the invitation to EoI at any stage without assigning any reasons what so ever.
- vii. Addendum/ Corrigendum, if any, to this EoI, will be hosted at our website, [www.isro.gov.in](http://www.isro.gov.in). Vendors shall regularly monitor our website for any updates.

**b. Interaction meeting**

An interaction meeting shall be arranged at LPSC in order to have a better understanding of the activities involved, clarify doubts, if any, and to visit site, if required. The interested vendor(s) are hereby requested to take part in the Pre-EoI meeting scheduled as below:

**Date : 23<sup>rd</sup> March 2026**

**Time : 10:30 hrs**

**Venue : Online**

**Focal point : Purchase & Stores Officer**

**Tel: 0471-2567813, E-mail ID: [ps0\\_1@lpsc.gov.in](mailto:ps0_1@lpsc.gov.in)**

Interested vendor(s) shall provide the details of the representative(s) taking part in the interaction meeting well before **23/03/2026 [09:00 hrs]**

Please note that any request for advancing/postponement of Pre-EoI meeting will not be entertained under any circumstance. Attending Pre-EoI meeting is **not an essential requirement** for submitting EoI.

Table I: Schedule

Interaction meeting	23/03/2026 [10:30 hrs]
Last date for submission of response to EoI	09/04/2026 [14:00 hrs]
Opening date of EoI	09/04/2026 [14:30 hrs]

Complete response to EoI must be received at LPSC to the address given below but not later than date specified above. Response to EoI in the prescribed format as per the terms & conditions mentioned in **Attachment-1 (Project synopsis)** shall be submitted in a sealed cover super scribed with our Ref. No. and Due date for EoI. All the pages of the EoI submitted must be numbered and signed by the authorised signatory.

Addressee:

Head, Purchase & Stores,  
Liquid Propulsion Systems Centre  
Valiamala, Thiruvananthapuram-695 547

**Submission of EoI by email will not be accepted.** LPSC shall not be responsible for non-receipt of EoI due to any type of delays and it shall be the sole responsibility of the Vendor to ensure delivery of the EoI to LPSC within the time fixed.

**Project Synopsis**

**Development, Qualification and Delivery of Flight Units of Power Processing and Control Unit for Small and Micro satellites.**

## 1 Definitions

Wherever used hereinafter, the following expressions shall have the following meanings:

1. **'Expression of Interest'** is the document specifying requirements of systems to be realised, scope of work involved, eligibility criteria/ conditions for short-listing of Bidders and details of credentials to be submitted for evaluation.
2. **'ISRO'** means the Indian Space Research Organisation under the DEPARTMENT OF SPACE.
3. **'LPSC'** means Liquid Propulsion Systems Centre, Valiamala, Thiruvananthapuram – 695 547
4. **'DEPARTMENT'** means the President of India or his successors, representatives or assigns, in this case THE DIRECTOR, LIQUID PROPULSION SYSTEMS CENTRE (LPSC), THIRUVANANTHAPURAM – 695 547.
5. **'CONTRACTOR'** means the vendor who will finally be assigned this work
6. **'AEROSPACE'** is collectively referring to the atmosphere and outer space.
7. **'CONTRACT'** means an agreement that will be entered with the CONTRACTOR.
8. **'TESTING'** is a demonstration by test, that hardware can meet performance requirements when exposed to specified environments.
9. **'APPROVAL'** means documents in the approval category require approval from the 'DEPARTMENT' prior to implementation by the CONTRACTOR. Approval is understood to mean permission to proceed unless otherwise specified.
10. **'DOCUMENTS'**, means all those data held as hard copy and soft copy
11. **RFP – Request for Proposal**

## 2 Introduction

LPSC proposes to contract out End to End Realisation and delivery of Power Processing and Control Unit for Small and Micro satellites. CONTRACTOR is expected to enter the circuit schematic, carry out layout design, chassis design, procurement of components, materials & standard parts, screening of components, PCB wiring, polymer activity, Assembly and testing of PPCU modules and deliver flight units as per requirement.

This 'Project Synopsis' document gives the overall scope of work, description and other details.

The respondent of this EoI shall submit the following documents:

- Expression of Interest as per the format given in **FORM I**
- Non- Disclosure Agreement (NDA) (to be executed on INR 100 stamp paper) as per the format given in **FORMII** to the effect of maintaining confidentiality of the documents to be provided in the Request for Proposal (RFP) by the Department.
- Respondent's profile to be filled up as per **FORM III** of the EoI. Also, scanned copies of necessary supporting documentary evidence to be attached. (Do not leave any cell blank; fill up as '**Not applicable**' if necessary)
- Respondent shall submit the Compliance statement as per the format provided in **FORM-X**

Based on the Respondent's profile and other details, the Department will evaluate their capability and shortlist the Capable Bidders based on Pre- Qualification Criteria give in Section 9 of this Project Synopsis. The Department will issue the RFP document giving detailed technical specification, scope of work, commercial terms and conditions to the qualified vendors based on this EoI. The short listed bidders shall submit the bid in two parts viz. (i) Techno commercial (non-priced) bid and (ii) Price bid. Upon evaluation of Techno- commercial bid and post- bid techno- commercial meeting, if necessary, the Department will shortlist the 'Suitable Bidders' and place them on equal footing. The Department will open the price bids of the Suitable Bidders, hold post- bid price negotiation meeting, if necessary, and award the contract based on lowest- priced bid.

### **3 Scope of work**

Scope of work is development, qualification and delivery of flight unit of PPCU. It involves:

1. Entry of circuit schematics as per the component list and circuits provided by DEPARTMENT.
2. High voltage & high speed digital PCB layouts design for individual cards as per ISRO PCB layout design guidelines.
3. Chassis design, structural and thermal analysis as per ISRO guidelines.
4. Procurement of components, cables, material for chassis, material for polymer application, and standard parts from approved vendors. List of approved vendors will be provided in RFP.
5. Screening and inspection of procured materials as per standard procedure.
6. Fabrication and inspection of PCBs as per ISRO PCB fabrication guidelines.
7. PCB Wiring, inspection and testing of cards to verify the functionality as per the suggestions given by DEPARTMENT.
8. Fabrication of chassis for all the modules as per the requirement by DEPARTMENT.
9. Preparation of harness for all cards for interface testing
10. Reviews by DEPARTMENT during different stages of realization and implementing the circuit level modifications (if any) as suggested by DEPARTMENT.
11. Preparation of documents at different stages as per ISRO standards.
12. Development of automated test systems to validate the functioning of each card and as package after realization.
13. Assembly and testing as per the qualification and acceptance test procedure provided by DEPARTMENT.
14. Development of Qualification model (QM) and Flight Model (FM) PPCU as per aerospace standard once the individual cards are finalized and Engineering Model developed by the CONTRACTOR is cleared by the DEPARTMENT.
15. Completion of Qualification & Acceptance testing including environmental tests and integrated test with thruster & feed system as per the test plan provided by DEPARTMENT.
16. Delivery of QM & FM hardware to ISRO, post successful completion of development cycle.
17. Delivery of FM units in a specific interval for ISRO missions.
18. Preparation and submission of technical and quality documents.



		<p>(OFU) is for the EMI suppression during thruster ON.</p> <ul style="list-style-type: none"> <li>• High voltage vacuum compatible design considerations shall be taken during its design.</li> </ul>
4.	Heater	<ul style="list-style-type: none"> <li>• To convert the satellite bus voltage to an isolated <b>constant current supply</b> of 8A+0.2A with the max output power of 90W.</li> <li>• To generate an isolated feedback of the output current for closed loop operation.</li> </ul>
5.	Magnet	<ul style="list-style-type: none"> <li>• To convert the satellite bus voltage to an isolated <b>constant current supply</b> of 1.6A+0.1A with the max output power of 10W with provision for change in polarity.</li> <li>• To generate an isolated feedback of the output current for closed loop operation.</li> </ul>
6.	Igniter/Keeper	<ul style="list-style-type: none"> <li>• The module is a dual nature DC-DC converter.</li> <li>• To convert the satellite bus voltage to an isolated <b>constant voltage supply</b> of 300V for the thruster ignition and provide <b>constant current supply</b> of 0.4A, post thruster ignition with max output power of 10W.</li> </ul>
7.	Xenon Feed system interface	<ul style="list-style-type: none"> <li>• It contains 2 latch valves for the xenon flow control. These latch valves are controlled by CU module of PPCU.</li> <li>• The pressure feedback is obtained by CU through pressure transducer interface.</li> </ul>

## 5 Role of LPSC

LPSC will provide over all guidance and conduct periodic reviews. The design modification subsequent to the engineering model realisation & testing if any will be paid separately as per the terms specified in RFP. Integrated test with the thrusters & feed system shall be supported by LPSC based on the requirement from the industries.

## 6 Delivery period

Timely delivery is the essence of the contract.

1. Placement of purchase order with design – T0
2. Completion of schematics, Layout & chassis design – T0 + 1 months
3. PCB & chassis Fabrication– T0 + 2 months
4. PCB wiring – T0 + 3 months
5. Engineering model readiness including card level & package level functional testing– T0 + 4 months
6. Review & clearance for QM realization – T0 + 5 months
7. QM realization & qualification – T0 + 7 months
8. Delivery of first flight hardware – T0 + 9 months
9. Delivery of subsequent flight packages – in two months' interval

The delivery period projected is tentative and will be finalized based on mutual discussion between the party and LPSC and will be specified in RFP.

## 7 Payment terms

Payment terms will be finalized based on mutual discussion between the party and LPSC and will be specified in RFP.

## 8 General Terms and Conditions

- 8.1 Execution period: The execution period reckoned from the date of award of Contract to the date of completion shall be 30 months including qualification and delivery of first set of flight hardware. Time is the essence of the Contract. Any delay in execution beyond the stipulated period shall invoke Liquidated Damages (LD) to be imposed on the Contractor @0.5% of the price of uncompleted portion (unsupplied materials or non-rendered services) per week of delay or part thereof subject to maximum of 10% of the total contract price.
- 8.2 Security Deposit: The contractor shall submit a Security Deposit (SD) for a sum equal to 3 % of the total Contract price while commencing the work.
- 8.3 Warranty: The items shall be warranted for satisfactory performance for a period of 36 months from the date of final clearance. The contractor shall submit a Performance Bank Guarantee (PBG) for a sum equal to 3% of the total contract price.
- 8.4 HR Policy: The Service Provider shall have HR policy of retaining trained workforce. This is very essential since attrition would lead to derailment of production activities, affect quality and result in inordinate delay in delivery schedule and lead to uncertainty in contract execution.
- 8.5 Absolute Responsibility: Throughout the currency of the Contract, the CONTRACTOR shall be solely responsible for the correctness, accuracies and sufficiency of the documents, drawings, tools, jigs, fixtures, bought out consumables etc. Any clearance given by the DEPARTMENT shall not absolve the CONTRACTOR of their responsibility in executing the Contract in full conformity with the specifications.

## 9 Pre-Qualifying Criteria (PQC)

The following are the Pre-Qualification Criteria (PQC) for screening-in for the issue of RFP.

Sl. No.	Description	Remarks
1.	The Bidder shall have been operational for minimum 5 (five) years up to the date of response submission and shall have experience of minimum 5 (five) (up to the date of Response submission) in Aerospace/ defence domain. Experience in designing high voltage (of the order	Documentary evidence shall be provided.  <b>This is an Essential criterion</b>

	of 300V) and high current designs is preferred.	
2.	The Bidder shall have a valid PAN certificate and a valid GST registration certificate.	Bidders shall submit the copy of PAN certificate and GST certificates <b>This is an Essential criterion</b>
3.	The Bidder shall have a sound financial track record as prescribed herein below: i. Minimum annual average Turnover of INR <b>5crores</b> per year for the past 3 (three) financial years (i.e., the financial year 2024-25, 2023-24, and 2022-23) ii. Positive net worth for two years in the past 3 (three) financial years (i.e., financial 2024-25, 2023-24, and 2022-23). i.e., as per audited statements of accounts, the bidder should not have incurred financial loss during above said period i.e., 2 years in past 3 financial years.	Bidder shall submit documents such as Annual profit and loss statement, Cash flow and Income tax return statement issued by a practicing Chartered Accountant/ Cost Accountant. <b>This is an Essential criterion</b>
4.	Bidders should have executed satisfactorily, end to end realisation of electronics packages for defence/ aerospace application (on board [not ground]) with a single order cost of <b>100 lakhs (minimum)</b> for last 5 years i.e., from 31/3/2021 to 28/02/2026.	Bidders shall submit the details of contract executed as per the format provided in <b>FORM-IV</b> and PO copies also shall be attached. <b>This is an Essential criterion.</b>
5.	The Bidder shall be an Indian Entity under Indian Management and Control. • Legal Entity: The Bidder shall be: (i) a company incorporated under the Companies Act, 2013 or (ii) a partnership firm established under the Limited Liability Partnership Act, 2008, (iii) a trust under the Indian Trusts Act, 1882, (iv) an association of persons or body of individuals incorporated under relevant statutes in India. • Foreign Investment: Any foreign investment into the bidding entity shall be as guided by the Foreign Exchange Management (Non-Debt Instrument) Rules 2019 and subject to the Bidder remaining an Indian Entity under Indian Management and Control.	Documentary evidence shall be provided. <b>This is an Essential criterion</b>

6.	The Bidder shall not have been blacklisted by any Central/ State Government Department/ Public Sector Undertakings/ Central Government-funded organizations/ State Government- funded organizations/ World Bank, or other World Bank organizations or should not be under any illegal expression by the Government of India.	Bidder shall submit the Declaration for Non-blacklisting as per the format provided in <b>FORM-VIII</b> . <b>This is an Essential criterion</b>
7.	There shall be no outstanding bankruptcy, judgment or pending legal action that could impair the operations of the Bidder as a going concern. Also, the Bidder must be solvent.	A Certificate in this regard shall be issued by a practicing Chartered Accountant/ Cost Accountant. <b>This is an Essential criterion</b>
8.	The Bidder shall have valid AS 9100 Rev D & ISO 9001:2015 certification.	Bidders shall submit the details of quality management as per the format provided in <b>FORM-VI</b> <b>This is an Essential criterion</b>
9.	The bidder shall not submit multiple responses to this EoI through other Affiliates.	Bidders shall submit the Anti- collusion certificate as per the format provided in <b>FORM- IX</b> . <b>This is an Essential criterion</b>
10.	The bidder shall have own facility for PCB wiring, Assembly and testing of PPCU modules. Details of facility are attached as <b>Annexure-1</b> . <b>The bidder needs to obtain minimum score of 60%.</b>	Bidder shall submit the details of facility as per the format provided in <b>FORM- V</b> . <b>This is an Essential criterion</b>
11.	The bidder shall have human resource with adequate knowledge in the areas of PCB design, testing, inspection and quality control, assembly and testing. Details of area of expertise of human resource and marks for each category are attached as <b>Annexure- 2</b> . <b>The bidder needs to obtain minimum score of 60%.</b>	Bidder shall submit the details of human resource as per the format provided in <b>FORM-VII</b> . <b>This is an Essential criterion</b>

**Note:**

- Capability of the bidder will be evaluated and RFP will be issued to the shortlisted bidders based on the pre- qualification criteria (Sl. No 1 -11) and documents submitted.
- The pre- qualification shall be valid for a period of nine months.
- The CONTRACTOR shall use his own facility for PCB wiring, polymer application, Assembly and testing or with limited sub- contracting.
- Sub- contracting shall be agreed and approved by the DEPARTMENT subject to the capability of the Sub- Contractor and scope. Sub- contracting shall be between the CONTRACTOR and the sub- contractor/ suppliers.
- Any sub- contracting agreed by the DEPARTMENT shall not absolve the obligations and responsibilities of the CONTRACTOR.
- In case of requirement, LPSC personnel shall visit the bidder's premise for evaluation.
- Sub- contracting shall be agreed and approved by the DEPARTMENT subject to the capability of the Sub- Contractor and scope. Sub- contracting shall be between the CONTRACTOR and the sub- contractor/ suppliers.
- Any sub- contracting agreed by the DEPARTMENT shall not absolve the obligations and responsibilities of the CONTRACTOR.
- In case of requirement, LPSC personnel shall visit the bidder's premise for evaluation.

**FORM-I –Cover Letter for Application/ Response**

Company letter head

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No.....

Date:.....

Head, Purchase & Stores  
Purchase & Stores Section  
Liquid Propulsion Systems Centre  
Indian Spare Research Organisation  
Valiamala, Thiruvananthapuram  
PIN – 695 547

Sir/ Madam,

Sub: Submission of Expression of Interest  
Ref: Invitation for Expression of Interest No.....

With respect to your Notice vide above referred invitation for EoI, we hereby submit our Expression of Interest (EoI) to participate in the Bidding for “Development, testing, Qualification and delivery of Flight units of Power Processing and Control Unit for Small and Micro satellites”. We attach the relevant documents requested in your Notice.

Thanking you,

Yours faithfully

(Authorised Signatory)

**FORM-II - Non- disclosure agreement**

I/ We, having our office at \_\_\_\_\_,  
being interested to participate in the bidding for “Development, testing, Qualification and delivery of Flight units of Power Processing and Control Unit for Small and Micro satellites” vide invitation for EoI No. \_\_\_\_\_ dated \_\_\_\_\_ by Govt. of India, Dept. of Space, Liquid Propulsion Systems Centre (LPSC), Valiamala, Thiruvananthapuram, Kerala – 695 547 (hereinafter referred to as LPSC), do hereby declare that:

1. Any information submitted or given by LPSC to me/ us shall be treated by me/ us in strict confidence.
2. The term 'information' comprises of technical knowledge of any nature (documents, data, materials, process details and the like) whether patented or not.
3. I/ We understand and agree that the penalties detailed in the Indian Official Secrets Act, 1923 for breach of trust in maintaining the confidentiality of the said technical knowledge shall be suffered not only by our Company/ Organization as body corporate, but also individually on its Chief Executive and me.
4. The provision of the Indian Official Secrets Act, 1923 (XIX of 1923) shall apply to me/ us with reference to exchange and use of information provided by LPSC to me/ us during the course of working for the project.
5. I/ We shall not make public any knowledge or information which LPSC shall have disclosed or may hereafter disclose to me/ us incident to the placing of any order on us.

Signed by:

Name:

Designation:

Countersigned by:

Authorized signatory of Contract with Name & Address

Place:

// Company Seal //

Date:

Witness:

1.

2.

**FORM-III - General Details of the Bidder**

Sl. No.	Particulars	Input of the Bidder
1	Company Profile	
	Name:	
	Country of incorporation:	
	Address of the corporate headquarters and its branch office(s)	
	Date of incorporation and/ or commencement of business:	
	Corporate Website URL	
	Addresses of manufacturing and/or operational setup in India (Highlight the address where ISRO representative will visit for audit)	1. 2. 3.
2	Brief description of the Company including details of its main lines of business and proposed role and responsibilities in this Project:	Type brief profile of the Party not more than 2 pages
3	Details of individual(s) who will serve as the point of contract/ communication for the Authority:	
	Name:	
	Designation:	
	Company:	
	Address:	
	Telephone Number:	
	E-Mail Address:	
Fax Number		
4	Particulars of the Authorized Signatory of the Bidder	
	Name:	
	Designation:	
	Address:	
	Phone Number:	
	Fax Number	

**FORM-IV - Experience in Aerospace Projects**

Sl. No.	Project Name	Aerospace/ Defence	Client/ Organization Name	Date of contract/ issue of work order	Project Value	Status (Ongoing/ completed)

Project Data Sheets for each individual project

Name of the Aerospace/ defence Industry	
Scope of Work	
PO Date	
Value of the Contract (INR/ Any other currency#)	
Present Status of the PO	
Application**	
Is any part of the above work subcontracted to other Parties? If yes, provide the details	
Name of the sub- contractors	Description of activity outsourced to sub-contractors

**Note:**

- Copies of work orders/ purchase orders, completion certificates/ proof for work completion and contract agreements shall be submitted.
- \*\* Mention if the system is for on-board or ground or any other use
- # For work orders/ purchase orders/ completion certificates/ contract agreements awarded in any currency other than INR, the applicable exchange rate for converting to INR for the purpose of determining the project value would be the exchange rate prevailing as on the date of award of the respective project.
- In case of requirement, LPSC personnel shall visit customer's premise for evaluation.

### FORM-V –Design, Wiring, Inspection, screening & Testing facilities

List of infrastructure and facilities available with the Bidders against the given requirements shall be submitted.

Sl.No.	Facility	Description	Qty	Remarks
1	ECAD facility for PCB design, Facility for Chassis design and analysis			
2	PCB wiring, reflow soldering & Polymer facility			
3	Screening Facility			
4	Testing & instrumentation facility			
5	Chassis fabrication facility			
6	Vibration test facility			
7	Shock test facility			
8	Thermo vacuum test facility			
9	EMI(Electro Magnetic Interference) test facility			
10	ESD (Electro static discharge) test facility			

## FORM-VI - Quality Management

1	State the Quality Policy of the Bidder (Max in 200 words)	(Type overall Quality management system and mention about the quality department reporting, non- conformance management system, quality control practices, records maintenance, onsite activity QMS and internal review mechanism)
2	Quality Standards/ certifications obtained by the Bidder [Tick the appropriate box] (provide certification copies as Annexure)	<p>AS9100Rev C</p> <hr/> <p>ISO 9001:2008</p> <p>Others (If others kindly mention)</p>

Certification Agency:

## FORM-VII - Manpower details

Manpower Strength of Sole Bidder in the following streams/discipline.

Sl No.	Area of expertise	Engineers	Supervisors	Technicians
1	PCB layout design			
2	Chassis design and analysis			
3	Procurement & Inventory Management			
4	Screening of components			
5	PCB Wiring and reflow soldering & Polymer activity			
6	Assembly and testing			
7	Automated test system development			
8	Chassis fabrication			
9	Environmental testing (thermo vacuum, vibration, shock, EMI, ESD etc), instrumentation and data acquisition.			
10	Quality Assurance & reliability (Electronics & Mechanical)			

**Note:** Mention the levels of technical hierarchical structure (from entry level to highest cadre) of your organization.

## **FORM-VIII - Declaration of Non- Blacklisting**

(To be provided on the Company letter head)

1. We confirm that our company or firm, \_\_\_\_\_, is currently not blacklisted in any manner whatsoever by any of the State or UT and or Central Government in India on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
2. We confirm that our company or firm, \_\_\_\_\_, is currently not under liquidation, court receivership or similar proceedings, and shall not be bankrupt.

(Authorised Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

**FORM-IX - Anti- Collusion Certificate**

(To be provided on the Company letter head)

We hereby certify and confirm that in the preparation and submission of our Application/ Bid (as applicable) for **“Development, testing, Qualification and delivery of Flight units of Power Processing and Control Unit for Small and Micro satellites”** against the EoI issued by Authority, We have not acted in concert or in collusion with any other eligible Bidder/ Bidders (as the case may be) or other person(s) and also not done any act, deed or thing, which is or could be regarded as anti-competitive. We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or organization in connection with the instant Bid.

We also confirm that neither we nor our members have any conflict-of-interest terms provided in this EoI.

(Authorised Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

**FORM-X - Compliance Matrix**

Sl. No.	Description	Compliance (Yes/No)	Remarks (in case of No)
1.	Compliance of Section 1 to 7 of Project Synopsis		
2.	Terms and Conditions of Project synopsis (Section 8)		
3.	Pre-Qualification criteria (Section 9)		
5.	Form I: Cover Letter for Application/Response		
6.	Form II: Non- disclosure Agreement		
7.	Form -III - General Details of the Bidder		
8.	Form-IV – Experience in Aerospace Project		
9.	Form V –Design, Wiring, Inspection, screening & Testing facilities		
10.	Form VI - Quality Management		
11.	Form VII - Manpower details		
12.	Form VIII - Declaration of Non-Blacklisting		
13.	Form IX - Anti-Collusion Certificate		

# **Annexures**

**Annexure 1****Evaluation matrix for Facilities**

<b>Sl. No.</b>	<b>Equipment/Machine</b>	<b>Marks</b>
1	ECAD facility for PCB design	10
2	Facility for Chassis design and analysis	
3	PCB wiring, reflow soldering	10
4	Polymer facility	10
5	Screening Facility	10
6	Testing & instrumentation facility	10
7	Chassis fabrication facility	10
8	Vibration test facility	10
9	Shock test facility	10
10	Thermo vacuum test facility	10
11	EMI(Electro Magnetic Interference) test facility	10
12	ESD (Electro static discharge) test facility	10
	<b>TOTAL</b>	120

## Annexure 2

### Evaluation matrix for human resource

Sl No.	Area of expertise	Marks
1	PCB layout design	10
2	Chassis design and analysis	10
3	Procurement & Inventory Management	10
4	Screening of components	10
5	PCB Wiring and reflow soldering	10
6	Polymer activity	10
7	Assembly and testing	10
8	Automated test system development	10
9	Chassis fabrication	10
10	Environmental testing (thermo vacuum, vibration, shock, EMI, ESD etc), instrumentation and data acquisition.	10
11	Quality Assurance & reliability Electronics	10
12	Quality Assurance & reliability Mechanical	10
	<b>TOTAL</b>	<b>120</b>