

**Expression of Interest (EOI)**  
**for**  
**Management of EEE Parts**

**December 2024**  
**U R Rao Satellite Centre**  
Bengaluru – 560 017

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## 1. Introduction

U R Rao Satellite Centre (URSC), a Government of India organization under Indian Space Research Organization (ISRO), is responsible for building spacecraft to meet various requirements of the nation.

Procurement of Electrical, Electronic and Electromechanical (EEE) parts required for the spacecraft is being carried out by URSC itself. Now URSC is planning to develop a Parts Procurement Agency (PPA) to take care of these activities.

URSC, through this Expression Of Interest (EOI), aims to establish a contract with PPA for management of Space Grade EEE parts, which would comprise of procurement, inspection/ testing, storage and supply of the EEE parts required for URSC satellite projects. PPA shall monitor the entire order process from issuance of purchase orders to suppliers till receipt of goods by URSC. This EOI defines the technical provisions, associated managerial procedures, the engineering tasks and the quality assurance aspects that will be implemented for procurement of space grade EEE parts. It defines the tasks and deliverables required from the Parts Procurement Agent. These procurement tasks shall be carried out with a close coordination with URSC.

Intending Vendor[s] are advised to read the EOI document, Terms and Conditions and other details carefully relating to the work contemplated in the procurement of EEE parts.

## 2. Scope

Scope of this document is to provide the basic information related to establishing a PPA for management of EEE parts in **India only** and EOI process. The vendor shall comply with all the terms and conditions mentioned in this EOI. URSC reserves the right to reject the vendors who are not compliant with terms and conditions imposed by URSC.

The objective of the EOI is to invite proposals from potential vendors to carry out the end to end activities for management of space grade EEE parts.

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### 3. EOI Process

EOI is invited from prospective vendors for management of EEE parts and will have a Pre-bid meeting, where-in interested vendors will be briefed regarding the process as detailed in figure 1.

A detailed vendor selection criterion is provided in this document, for which prospective vendors are required to provide all the documentary proofs as per the list.

A presentation from vendor may be sought to understand the proposal.

All received proposals will be evaluated based on pre-defined criteria mentioned in this document, and list of selected vendors will be generated. An indenting process will be initiated in a Limited tender mode only on those selected vendors



Figure 1: EOI & indent process

### 4. Statement of Work

This section provides a brief idea of the total work to be carried out by the PPA. There are three phases in this process.

- **Pre-procurement phase:** The pre procurement phase extends from the release of RFP to release of Purchase Order (PO) to PPA. Vendor shall comply to the eligibility criteria, technical and commercial aspects mentioned in this RFP.
- **Procurement phase:** the procurement phase extends from receipt of PO by PPA to the receipt of components from manufacturer to PPA. During procurement of EEE parts, URSC shall be informed all NCR / DCN if any. PPA shall resolve any issues regarding deliveries, damaged goods, or disputes over quality or pricing.
- **Post-procurement stage:** The post procurement phase extends from receipt of components by PPA till delivery of the same to URSC. During this phase, the incoming inspection shall be performed by PPA and the report shall be submitted

to URSC for review. The delivery of the components shall be in staggered manner over the 5 years of the contract as and when required by URSC.

## **5. End Use certification**

URSC shall provide End Use Certificate for the parts which require export license. PPA shall obtain the Export License.

## **6. Testing and NC management**

### **6.1 Incoming Inspection**

PPA shall carry out Incoming inspections as per the test matrix provided in Annexure-1. Report shall be submitted for review and approval by URSC.

### **6.2 NC management**

Non conformances observed during incoming inspection shall be informed to URSC and shall be managed by PPA. NCs observed later stages of the entire process shall be reported to URSC. Further action shall be taken in consultation with URSC.

## **7. Parts Engineering tasks**

### **7.1 Alternate / Equivalent parts**

During the process of procurement, if actual part specified in list is not available, it shall be informed to URSC immediately.

### **7.2 Obsolescence Management**

PPA shall maintain regular contact with manufacturers to stay informed about any upcoming changes in the part availability. Any such observations shall be informed and proactive measures shall be taken in consultation with URSC.

### **7.3 Alerts / Advisories**

PPA shall maintain regular communication with manufacturers to ensure timely receipt of any alerts/ advisories. Such alerts / advisories shall be informed to URSC for further action. These shall be uploaded in Inventory Management Database also.

### **7.4 Counterfeit Parts Avoidance**

PPA shall take utmost care to avoid counterfeit parts. All datapack listed in the procurement specifications shall be strictly complied to avoid counterfeit parts. PPA shall procure components only from OEM or OEM Authorised Dealers with Authorization Letter.

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## **8. Storage**

- Components procured for URSC under this RFP shall be stored in a dedicated ESD safe bonded stores.
- Temperature and Humidity of bonded stores shall be maintained as RH : 50%  $\pm$  5 % and Temperature: 22°C  $\pm$  3°C.
- Cleanliness of bonded stores shall be of class 100000.
- Access to the stores shall be by URSC authorized personnels only. Any other people entry shall be informed to URSC.

## **9. Management of Programmable Components Failure**

Replacement for Failures during Programming for programmable devices, such as FPGAs & PROMs, shall be managed by PPA.

## **10. Audit by URSC/ ISRO**

URSC/ ISRO reserves the right to conduct facility audit at any point of time. PPA shall grant access for such audits.

## **11. Supply Terms for Fabricators**

PPA shall be able supply EEE parts to URSC authorized Fabricators against the work order / purchase order from Fabricators. Upon receipt of order, PPA shall communicate the same to URSC and deliver the components only after the approval from URSC.

## **12. Inventory management**

A dedicated database shall be maintained for the inventory and the access shall be provided to URSC. Database shall contain parameters such as Part number, Quality level, Datecode, Quantity, Manufacturer Name, Expected Date of Delivery, Shipment details, Payment Status, Work Order Status and NC management.

Database shall be able to handle at least 50 users at a time and to support the technical and the commercial activities of EEE parts procurement. Further, PPA should be able to extend the database adopting parameters and requirements as needed by URSC.

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Access to the database and up-to-date visibility of the status of the parts shall be continuously available to URSC.

### **13. Deliverables:**

Along with the components, the following shall be delivered.

- Parts Approval Document (PAD).
- Datapack mentioned in the procurement specifications.
- Incoming inspection data.

### **14. Procurement status reporting**

PPA shall report to URSC regarding procurement status of each component including placement of PO, lead time and receipt of component. During the entire process, if any issue is reported by manufacturer with respect to quality or lead time, the same shall be reported to URSC.

### **15. Parts Co-Ordination Team**

URSC will establish a technical advisory team to give any technical or commercial inputs during the procurement process. PPA also shall establish a team containing personnels from testing, QA and purchase teams for any interaction.

### **16. Vendor Selection Criteria**

A detailed list of the vendor qualification criteria is provided below, which needs to be complied by all the interested vendors. Vendor's responses will be evaluated by URSC and only those vendors, who are able to provide necessary data and documentary evidence as required, will be selected.

#### **16.1 Storage area**

PPA shall have the storage area of at least 500 sqm. Layout plan of the storage area shall be provided.

#### **16.2 Technical Criteria**

- Shall have minimum five (5) years of experience in procurement and supply of Space grade EEE parts for ISRO or any other Space agency.
  - In this regard, vendor shall produce a minimum of 5 recent purchase orders.
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- Shall provide proof to justify the capability to handle Licensed parts, applying and processing of License for ITAR/EAR controlled parts.
- Valid 3rd party certification like ISO or equivalent standards for the supply chain process applicable to space industry.

### **16.3 Turnover Criteria**

The average annual turnover of the bidder during the last three years ending 31.03.2024 shall be at least Rs. 350 Cr or equivalent amount in foreign currency (at the exchange rate prevailing at the end of previous financial year). Audited Annual Financial Statements in support of the same shall be furnished.

### **16.4 Net Worth Criteria**

The net worth of the bidder shall not be negative as on 31.03.2024 or 31.12.2024 and also should not have eroded by more than 30% compared to 31.03.2021 or 31.12.2021. Audited Annual Financial Statements in support of the same shall be furnished.

### **16.5 Terms and Conditions**

- Vendor to ensure operations set up in India.
  - The vendor should also have a valid GST registration. The Vendor should submit Self attested copy(ies) of the Certificates of Incorporation and other certificates that are legally required for carrying out its business activities.
  - The certificates should be valid at the time of SoW submission and should be certified by an authorized signatory. A copy of PAN/TAN Card should also be submitted.
  - The applicant should not have, during the last five years, either failed to perform on any agreement, or been expelled from any project or agreement or have any agreement terminated for breach by the applicant.
  - Persons who are individually or institutionally, in any manner, involved with the selection/screening process of the SoW, and employees of ISRO are ineligible for applying.
  - An undertaking (self-certificate) is to be submitted that, the Organization hasn't been blacklisted by any Central/ State Government Department/ Central Government funded organizations/ State Government funded organizations/
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World Bank, or other World Bank organizations and is not under any illegal expression by Government of India.

- An undertaking (self-attested) is to be submitted that there has been no outstanding bankruptcy, judgment or pending legal action that could impair operating as a going Concern. Also the Vendor shall be solvent, in the Legal Court of Law.

## 17. Compliance matrix

SI No	Criteria	Para	Remarks
1	Statement of work	4	
2	Testing and NC management	6	
3	Parts Engineering tasks	7	
4	Storage	8	
5	Management of Programmable Components Failure	9	
6	Audit by URSC/ ISRO	10	
7	Supply Terms for Fabricator	11	
8	Inventory management	12	
9	Deliverables	13	
10	Procurement status reporting	14	
11	Parts Co-Ordination Team	15	
12	Vendor Selection Criteria	16	

## 18. Documents to be furnished along with EOI

SI No	Particulars	Remarks
1	Completed compliance matrix	Complied/ Not complied shall be mentioned against each point
2	Previous Purchase orders, minimum of 5 nos.	Shall demonstrate their experience in procurement of EEE parts
3	proof to justify the capability to handle Licensed parts	License for ITAR/EAR controlled parts
4	Layout plan of the storage area	Storage area shall be minimum of 500sqm area
5	3 <sup>rd</sup> party certification like ISO or equivalent standards for the supply chain process	Certificate shall be provided
6	Eligibility criteria document Technical documents Turnover and Net worth documents	As mentioned in para 16

## **Abbreviations**

EOI	Expression of Interest
URSC	UR Rao Satellite Centre
ISRO	Indian Space Research Organization
EEE	Electrical, Electronic and Electromechanical
PPA	Parts Procurement Agency
PO	Purchase Order
NC	Non-conformance
FPGA	Field Programmable Gate Array
PROM	Programmable Read Only Memory
NCR	Non Conformance Report
DCN	Document Change note
OEM	Original Equipment Manufacturer
PAD	Parts Approval Document
ITAR	International Traffic in Arms Regulations

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**Annexure 1 - Incoming inspection**

Sl. No	Tests To Be Conducted	Test Method/ Test Condition	Sample Size
1.	Visual Inspection	As per applicable MIL/ ESCC specifications	-LTPD-5 (45 samples) or 10% of the lot whichever is greater  -100% of the lot if lot size is < 45
2.	Electrical Tests @ Room Temperature		
3.	Seal Leak Tests a. Fine Leak b. Gross Leak		