



भारत सरकार – रक्षा मंत्रालय

Government of India – Ministry of Defence

रक्षा अनुसंधान तथा विकास संगठन

Defence Research & Development Organisation

वायुवाहित प्रणाली केंद्र

CENTRE FOR AIRBORNE SYSTEMS

ए एस 9100 डी, ए एफ क्यू एम एस & आई एस ओ 9001:2015
प्रमाणित संस्थान

AS 9100D, AFQMS & ISO 9001:2015 Certified Estt.

बेलूर, येमलूर तपाल, बेंगलूरु – 560037, भारत

Belur, Yemlur Post, Bengaluru – 560 037, INDIA

CABS/AEW&C MK-II/Eol (22-23)/001

10 October 2022

**EXPRESSION OF INTEREST TO PARTICIPATE IN MISSION SYSTEM (MS) OF
AIRBORNE SURVEILLANCE SYSTEM PROGRAMME AS A DEVELOPMENT CUM
PRODUCTION PARTNER**

1. The Director, CABS Bangalore on behalf of the President of India, invites “Expression of Interest” from reputed Indian Industry Partners for the following:

EOI REF	DESCRIPTION	DUE DATE
CABS / MMG / EOI-01 / MSA of Airborne Surveillance System / 22-23	DEVELOPMENT CUM PRODUCTION PARTNER (DcPP) FOR MISSION SYSTEM OF AIRBORNE SURVEILLANCE SYSTEM	10/11/2022

2. This Eol consists of Part-I (Technical Details) and Part-II (General Information & Instructions).

(Dr. K Rajalakshmi Menon), OS
Director & Prog Director (AEW&C Mk II)
CABS, DRDO

PART - I

TECHNICAL DETAILS

1. **Introduction:** Expression of Interest (Eoi) from reputed Indian Public limited/Private limited Companies, hence forth called as Industry Partners, registered as Indian Firms having relevant expertise for the purpose of engaging as a "Development cum Production Partner (DcPP)" for Mission Systems (MS) of Airborne Surveillance System program is requested. Any Indian Company from the defence / aerospace manufacturing sector, having experience in System Engineering of complex system of systems product life cycle of design, development, manufacturing and fabrication, Qualification, Integration, evaluation on Rig, integration on Aircraft, flight Testing and having experience of certification of systems may respond. The Request for Proposal (RFP) with detailed Statement of Work will be issued to shortlisted Industry Partners qualifying the different criteria brought out in this Eoi.

The purpose of this EOI is to short list the industry partners for issue of RFP for role of DcPP towards design, development and production of Mission systems for the Airborne Surveillance Systems. The scope of work is in four phases namely support during Design phase, Development phase, Production and Testing Phase and Long Term Post-delivery Support Phase. The activities envisaged during these phases, scope of work in design, development, production and post-delivery support phase, role of DcPP, Evaluation Criteria, Selection Procedure for issue of RFP, Terms and Conditions, Intellectual Property (IP) rights and List of documents to be submitted etc. is described in this document.

2. **Purpose:** The purpose of this Eoi is to understand the capabilities and potentials of the Indian Industries to be nominated as DcPP, to undertake system engineering and realisation of complex airborne system of systems, which includes the following broad tasks. The response to this Eoi will be used to shortlist potential Program DcPP for issue of the RFP for the MSA of Airborne Surveillance System. The broad scope includes

- (a) Development of Mission Systems (MS) as per design specifications of CABS DRDO. Towards this, development and testing of software, hardware, firmware of various airborne mission systems will have to be carried out by the selected DcPP under the guidance of CABS team. The scope of work also includes structural, thermal and aerodynamic analysis of structural units deemed as safety critical and identified as part of the aircraft. System Engineering process defined by CABS is to be followed during the development phase.
- (b) Receipt of MSA sub-systems from participating labs of DRDO for integration.
- (c) Integration and evaluation of the Mission systems in Rig. Towards this, support in adaptation of Rig to meet the testing requirements also have to be carried out.
- (d) Integration and testing of the Six Mission Systems in Blue aircraft.
- (e) Support in Flight testing, Certification, and Acceptance Test.
- (f) Development and Production of all Ground Systems which includes Four Ground Exploitation Systems (GESs), Mission Software Support Facility (MSSF), Mission Planning & Analysis Station (MIPAS), Automatic Test Equipment (ATE), and Operator Training Station (OTS).
- (g) As part of Post-delivery support, DcPP will be the single point of contact for maintenance, support and upgradation in consultation with CABS, DRDO. IAF may enter into separate contract with DcPP to provide integrated Logistic and Technical

support during its Life Cycle of 30 years. The DcPP will give willingness certificate to provide Maintenance support, & Spares support for the Mission systems during its life cycle of 30 years, as part of response to EoL.

3. **Advantages to DcPP:**

(a) Transfer of Technology (ToT) procedure of DRDO to DcPP is simplified and faster.

(b) ToT fee will not be charged from DRDO selected DcPP(s) for the specified product, otherwise it is charged at 5% of development cost of the project.

(c) Royalty charges are NIL for sale to Indian defence services and Govt. of India depts.

(d) Directives for Project Formulation and Management (DPFM) 2021 of DRDO has incorporated the following provisions towards procurement of DRDO developed technologies.

(i) DPFM 2021 has incorporated provision for acquisition of systems to be designed and developed by DRDO vide para 4.7 of Chapter 4. It provides inter alia that commercial Request for Proposal (RFP) for production would be issued to DcPP of DRDO and these cases will not be considered as single vendor cases.

(ii) The selected industry (ies) shall perform the role of DcPP(s) of a particular System. The said industry (ies) shall carry out production of DRDO system and also provide warranty, maintenance and product support during life cycle.

(iii) The identified DcPP(s) shall be involved in design and development, analysis, integration and testing during development phase and will be the Lead System Integrator (LSI) and the Single Point of Contact (SPoC) for the supply of the system and providing Life Cycle support during production and post-delivery support phases.

4. **Brief on Mission System of ASS:**

The proposed MS shall be installed and integrated on pre-owned A-321 aircraft procured from M/s Air India. The modification of the aircraft will be executed through the OEM ie M/s Airbus Defence and Space (ADS), Spain. Further, the aircraft will be modified into Mission aircraft and tested by CABS, DRDO with participating labs, with support from DcPP followed by induction into User. The MS comprise of an airborne segment and a ground segment.

(a) **Airborne Segment:** Various systems of the airborne segment are

- (i) Primary Radar
- (ii) Secondary Radar
- (iii) Mission Communication system
- (iv) Communication Support Measures (CSM)
- (v) Electronic Support measures (ESM)
- (vi) Radar Warning Receiver (RWR)
- (vii) DC MAWS
- (viii) Counter Measures Dispensing system (CMDS)
- (ix) LOS and SATCOM data links
- (x) Operator Work Stations
- (xi) Mission Suite consisting MCP, MSDF, ICP and OBT

- (xii) SDR
- (xiii) Racks
- (xiv) Cable Harness
- (xv) Radomes

(b) **Ground Systems:** Various systems of the ground segment are

- (i) Ground Exploitation station (GES)
- (ii) Mission Planning and analysis Station (MIPAS)
- (iii) Operator Training Station (OTS)
- (iv) Automated Test Equipment (ATE)

5. **Role and Detailed Scope of Work:** The role and detailed scope of work for the DcPP during various phases of the programme are as enumerated below:

(a) **Design Phase:**

In this phase, the role of DcPP is to position a heterogeneous team comprising experienced engineers, technicians and staff. This manpower will be deployed across the partner labs to get acquainted with each of the sub systems and is to be positioned at start of the project. The purpose is to gain technical know-how so as to implement the knowledge gained in the Development, Production and Evaluation phase. Many familiarization sessions will be held during this phase.

(b) **Development Phase:**

(i) Program DcPP will associate with the designers of CABS, DRDO to develop Nine (09) sub-systems of Mission System (MS) as per their design specifications.

- AAAU Mechanical
- IFF
- Mission Suite
- OWS
- SPS
- SDR
- AIS
- Electrical systems & Cable Harness
- Racks and Radomes

Towards this, development and testing of software, hardware, firmware of various airborne mission systems will have to be carried out by the selected Program DcPP including hardware QT and Environmental qualification. The scope of work also includes structural, thermal and aerodynamic analysis of structural units deemed as safety critical and identified as part of the aircraft. System Engineering process defined by CABS is to be followed during the development phase.

(ii) As a set of deliverables for CABS designed MS sub-systems, Program DcPP will either manufacture Nine sets of MS sub-systems or procure through nominated supply chain agencies/Production agencies of CABS. In addition, DcPP will manufacture and supply GES (Qty 04), MIPAS (Qty 01), OTS (Qty 01) and ATE (Qty 01).

(iii) Program DcPP will also be responsible for supply of cable looms, cable harness (RF, Digital and Power). They are also responsible for Integration

support in Rig and in Aircraft, evaluations, flight trials, training of operators and technical crew and documentation.

(iv) DcPP shall carry out the following Integration and test stages to validate CABS designed and developed sub-systems.

- QT of LRUs as per the Environmental Test Specifications
- Software CSCI testing and Integration as per CSCI Test plan
- Hardware-Software Integration Test as per the LRU test plan.
- Subsystem Integration and Test in the Lab as per subsystem Test Plan

DcPP shall develop test tools to facilitate the above levels for Integration and Test in the lab.

(v) DcPP shall participate in the software development of Mission systems and its scope includes development of software modules by DcPP teams at CABS facility under the guidance of CABS design teams. In addition, DcPP teams shall generate the required documents towards the development of mission systems to meet the Software certification standards.

(vi) Familiarization with the Bill of material (BOM), Standard of Preparation (SOP), Quality Assurance Plan (QAP) and Qualification of systems and Acceptance Test Procedures (ATP) requirements.

(vii) Support in design, development, analysis, implementation, supply chain management, Integration, checkout quality control activities of all the subsystems of the project including flight trials during development phase of project

(viii) Interaction with all partner labs of DRDO for this project.

(ix) Preparation of design drawings, design, verification and validation documents.

(x) Preparation of production documents/drawings from design documents.

(xi) Design of Jigs, Tools and Handling equipment for ease of integration.

(xii) Program DcPP will position manpower in each Work centres / Participating Labs to understand the design and development process of respective MS sub-systems.

(xiii) On receipt of the realised MS systems from the Work centres / Participating Labs, program DcPP will integrate the system in the Rig, with the help of respective lab designers and their production partners under the guidance of CABS team.

(xiv) Program DcPP will participate in System Integration and Check out. CABS DRDO will be responsible for system integration of the first two systems with DcPP in support role. Thereafter, DcPP will lead and be responsible for system integration of third, fourth, fifth and sixth systems with CABS, DRDO in support role.

(xv) Co-ordinate for all flight trial evaluations under the guidance of CABS.

- (xvi) Interaction and follow-up with the Industry partners for realization of BOM
- (xvii) Logistics Support and services to be worked out during production phase.
- (xviii) CABS, DRDO and associated work centres will guide the DcPP. Thereafter DcPP will work towards successful conclusion of the project, under the overall guidance of CABS, DRDO.

(c) **Production cum Evaluation & Testing Phase:**

In this phase, the DcPP shall manufacture the required number of Mission Systems LRUs and carry out the following:

- (i) Towards the production of Mission Systems, follow the procedure jointly agreed between CABS, DRDO designers and DcPP.
- (ii) DcPP can associate with the Production agencies designated by DRDO (Tier I / Tier II) or alternate source for risk mitigation.
- (iii) Production of Airborne MS System and Ground systems as per design provided by the designers of CABS. Program DcPP will also liaise with designers of participating labs of DRDO and their Production Agencies, to understand the system design and its production for aiding in the system integration process.
- (iv) Integration of first two Mission systems on the 1st and 2nd blue aircraft with CABS & participating labs designers in lead and thereafter lead the integration with the remaining four mission systems in the 3rd, 4th, 5th and 6th blue aircraft with CABS & participating labs designers in support role. Towards this requirement, the DcPP shall set up the required technical infrastructure facilities before the delivery of first aircraft to user.
- (v) Installation and Commissioning of Ground systems at user designated site.
- (vi) Ensure Quality Assurance (QA), Quality Testing (QT) and Quality Control (QC) for all systems as per air worthy certification standards defined by CEMILAC and DGAQA.
- (vii) Ensure adequate production rate of Mission systems so as to meet the delivery schedule for all Airborne Surveillance Systems.
- (viii) Participate in all flight trials as decided by the buyer/rep of buyer/CABS/ or rep of CABS, from time to time.
- (ix) Support CABS, DRDO in handing over the delivery of six systems to User as per agreed delivery schedules
- (x) Preparation and printing of various Operator, Technical and Maintenance manuals for all systems and sub-systems of MS of Airborne Surveillance System.
- (xi) Conduct of Initial Training for Two batches of User personnel on

- Mission Aircraft Familiarisation Course
- Mission System Operator Course (C2, ESM and CSM).
- Mission Operator Instructor Course on OTS
- Mission System Maintenance Course

(xii) All items fitted on the Mission Aircraft should be type certified new items (no recycled, repaired or overhaul components) at the time of delivery in terms of TFO/TBO/ TTL on the basis of operating hrs., calendar years and number of landings, etc.

(d) **Post Delivery Support Phase:**
(Not a part of DcPP contract- Only for Information)

(i) IAF may enter into separate contract with DcPP to provide Integrated Logistic and technical support during its Life Cycle of 30 years. Written Consent for the post-delivery support to be given by the Industry partner as response to EoI for compliance.

(ii) Upon handing over of the Airborne Surveillance Systems to User, the DcPP will be the single point of contact for MS system maintenance, support and upgradation in consultation with CABS, DRDO.

(iii) Responsible for the 'O', 'I' and 'D' level inspections/maintenance of ASS Mission systems and its warranty.

(iv) Conduct of Training for subsequent courses as required by User based on contract signed for post development support, for

- Aircraft Familiarisation Course
- Mission System Operator Course
- Mission Operator Instructor Course on OTS
- Mission system Maintenance Course

(v) The DcPP shall undertake to provide to the User, on terms and prices to be mutually agreed upon, such technical support as the User may reasonably require for the entire range of Supplies, for the complete Mission Systems during the period of thirty (30) years from the Delivery Date of the Blue Aircraft ("Product Support Period").

(vi) As part of post-delivery life cycle support, DcPP shall have certified process and facility for modification/maintenance of Airbus family A319/320/321 aircraft either on its own as MRO or through authorized Indian MRO of Airbus 319 /320/321 aircraft and approved by DGCA. Towards this, DcPP will give willingness certificate to provide Maintenance support, Spares & equipment support for A-321 platform during its life cycle of 30 years.

6. **Industry partner Evaluation Criteria:**

The DcPP qualification criteria are categorized into four criteria namely Financial, Technical, Manufacturing and Management criteria. The detailed criteria are enumerated at para 13, 14 15 and 16 under each heading.

All Industry Partners interested to be a DcPP are to peruse the same in detail, and enlist their self-assessment in the designated column and submit along with necessary documents for scrutiny by selection committee.

Industry partner Selection Procedure for Issue Of RFP:

- (a) DcPP can seek clarifications in writing or by e-mail / fax within 15 days from issue of Eol (**25/10/2022**).
- (b) DcPP need to submit the following documents.
 - (i) Authorization letter from CEO/MD/Director of the firm.
 - (ii) Duly Signed Industry Partner Information proforma as per appendix A
 - (iii) NDA as per format provided at Appendix B.
 - (iv) Duly signed compliance statement wrt each evaluation criteria under all categories with all proof of documents.
- (c) All the responses from Industry Partners will be scrutinized by an Expert Committee as per PM 2020 guidelines. The expert committee may request for a presentation at CABS, DRDO and/or will visit Industry Partner premises to assess their capabilities to take up the work.
- (d) RFP will be issued only to the short listed Industry Partners who meet all the qualification criteria/requirements after submitting duly signed NDA documents.

7. Terms and Conditions:

General:

- (a) A company shall be considered as owned by resident Indian citizen, if more than 50% of capital is directly owned or beneficially owned by resident Indian.
- (b) The DcPP shall meet the evaluation qualification criteria either on its own or through its Indian Holding company/ subsidiary /associate company or Group companies.
- (c) Interested DcPP are required to furnish complete information as sought in Eol.
- (d) Participation in EOI does not guarantee that RFP will be offered. Shortlisted firms only will be provided with RFP after submitting NDA. DRDO reserves the right to reject any offer or proposal without assigning any reasons.
- (e) DcPP shall have rights to produce systems for IAF/IN/IA/DRDO/ICG/BSF or other Govt agencies only and export to any countries shall be with written permission from government department as per policy in vogue.
- (f) After being nominated as DcPP by DRDO, the initial 10 numbers of system/sub-systems shall be made available from the respective Production agency established by DRDO. The DcPP will be permitted to develop/fabricate sub systems on No Cost /No Commitment basis further quantity beyond 10 numbers, where ever supply chain is not available and to mitigate the obsolescence. This shall be mutually agreed between CABS, DRDO identified production agency and DcPP. After obtaining the necessary clearance from DRDO, Industry Partner can become approved subsystem Industry Partner for that sub-system.
- (g) A Contract Monitoring Committee/ Progress Review Committee would be constituted by the Director of the Lab/Estt. If found necessary, the committee may advice extension of contract period or for short/ stage closure.

(h) The Industry Partner must submit information pertaining to blacklisting by any government agency including blacklisting of domestic/foreign technology partner (if any).

(i) In development phase, DcPP will be involved with DRDO and needs to be acquainted with the system from signing of contract. Thereafter, DcPP is required to support CABS, DRDO in management and administration of the complete programme activities as per schedule, towards delivering the ASS.

(j) In production phase and thereafter, DcPP(s) shall be the single point of contact and shall be responsible for manufacture, supply, integrations, evaluations, maintenance and support during entire life cycle of the system.

8. **Intellectual Property (IP) Rights:**

The IP rights of the product(s) and processes of MS of ASS are with DRDO, Govt. of India.

9. **Documents to be submitted by Eol respondent:**

The following list of documents to be submitted along with Eol including softcopy (in the form of CD/DVD) before the due date and time

(a) Information proforma as per Appendix A

(b) Duly signed compliance statement of all evaluation criteria under Financial, Technical, Management and Manufacturing category along with all proof of documents.

(c) Compliance to the Scope of work and Terms & conditions.

10. **Contact Details for Technical Interaction meeting:**

Name: Director, CABS

Address: Centre for Airborne Systems,
Defence R&D Organization,
Ministry of Defence, Govt. of India,
Belur, Yemlur (PO),
Bangalore-560037
Ph. Number : 080-25049002 / 25049003
Fax : 080 25223748, 25222326
Mail : director.cabs@gov.in

Point of Contacts: (1) Dr T Balakrishnan, Scientist G
Ph: 080-2504 9025 / 9026
6360458883, 9483521665
Mail id: bala.cabs@gov.in

(2) Air Cmde J Joseph
Head MMD
Ph: 080-2504 9103 / 9141
9480106830
Mail id: mmg.cabs@gov.in

11. **List of Appendices:**

Appendix A : Industry Partner Information

Appendix B : Non-Disclosure Agreement Format

12. **Mandatory Compliance of Criteria:** All the Financial, Technical, Manufacturing and Management Criteria tables are to be filled and submitted by the Applicant Company /DcPP along with the supporting documents. **Without the documentary evidences the response to EoI will not be considered, for shortlisting.**

13. **FINANCIAL CRITERIA:**

S No	Description	Compliance with Documentary Evidence	Remarks
1	<u>Annual Turnover:</u> Applicant company shall have Minimum of Rs 1500 crores consolidated Annual Turnover in any one of the last three financial years for all its Indian Holding company/subsidiary/associate company/Group companies/firm segments based on the financial statements audited under the relevant companies Act, adopted, and approved by the board of directors / shareholders		
2	<u>Net worth :</u> Applicant company shall have minimum Net worth of Rs 1000 Crores on consolidated basis including all its Indian Holding company / subsidiary / associate company/group companies/ firm segments based on the financial statements audited under the relevant companies Act, adopted, and approved by the board of directors / shareholders		
3	<u>Consolidated revenue growth:</u> Applicant company with its Indian Holding company / subsidiary / associate company/group companies/ firm segments shall have a minimum of Three percent (3%) growth per annum in at least three (03) of the last five (05) financial years based on consolidated financial statements audited under the relevant companies Act and adopted and approved by the boards of directors/ shareholders.		
4	<u>Credit Rating:</u> Applicant company with its Indian Holding company / subsidiary / associate company/group companies/ firm segments to have minimum credit rating (long term/issuer rating) equivalent to CRISIL / ICRA “BBB+” (stable) or above as on the date of submission of application or equivalent credit rating (issued by other credit rating agencies, such credit agencies being approved by Reserved Bank of India/ Securities Exchange Board of India. A documentary evidence duly certified by company’s chartered accountant to be produced. This point is not required for DPSU & Govt. sector.		
5	Applicant Company should not be under Insolvency resolution as per Indian Bankruptcy code at the time of submitting EoI.		

14. **TECHNICAL CRITERIA:**

S.NO	DESCRIPTION	Compliance with Documentary Evidence	Remarks
1	The DcPP must have in-house system engineering and system integration team.		
2	DcPP is required to meet the technical qualification criteria /technology requirement either on its own or through its Indian Holding company / subsidiary / associate company / Group companies / firm segments		
3	All the mechanical design activities and production drawings must be generated in CATIA or equivalent standard compatible environment. Accordingly, Technical manpower must have knowledge and experience to simulate 3D model of airborne platform with antennae location in CATIA V5 format.		
4	The DcPP must have expertise in PLM infrastructure installed in / across their premises in PLM. List the PLM being used.		
5	The DcPP must have experience in mechanical/electrical ICD definition capabilities.		
6	The DcPP must cater for separate and independent Division/Group for reliability & Quality Assurance.		
7	The DcPP should have the expertise in carrying out the design activities of simulation and mathematical analysis of control system done in MATLAB.		
8	The DcPP must have prior experience in the design, development and integration of ground / airborne based RF sensor system.		
9	The DcPP must have prior experience in the design, development, analysis and realization of avionics systems and should have CEMILAC certified products/systems.		
10	The DcPP must have prior experience on ground/flight trials.		
11	The DcPP must have dedicated supply chain management for Mission system related products.		
12	The DcPP must agree to utilize already DRDO established suppliers'/production agencies for first 10 (Ten) systems/LRUs.		
13	The DcPP must have in-house suitable trained manpower in Mechanical, Electronics, Computer science, Aeronautical, Integrated and flight trial co-ordination, RF, Digital, Embedded systems, electrical, software, Quality assurance and supply chain management		
14	The DcPP should have proven track record for realization of RF sensor system by itself or by technology absorption from DRDO/ISRO/foreign partners.		

15	The DcPP must be a Defence manufacturing company with prior experience in manufacturing, integration and testing multi-disciplinary Defence & aerospace Systems		
16	The subsidiary firm/firm segments of the parent company should have software quality management process in place with clearly defined methodology to develop and refine a software. The process should be accepted by CEMILAC or equivalent agency.		
17	Firm should have defect tracking and defect management setup using tools.		

15. **MANUFACTURING CRITERIA:**

S.NO	DESCRIPTION	Compliance with Documentary Evidence	Remarks
1	The DcPP must provide adequate strength of production/quality managers and engineers in its present strength to realize the Mission system and its integration on Rig and on blue aircraft.		
2	The DcPP must have past experience in manufacturing / integration of Ground / Airborne system of systems.		
3	The DcPP must have past experience and proven track record for Design and development of jigs, fixtures, ground handling and material equipment.		
4	The DcPP must have complete end to end infrastructure for design, development, realization, assembly, electrical & mechanical integration, and checkout & storage facilities for the ground/airborne product.		
5	The DcPP must have ability to take up additional production in terms of infrastructure, skilled manpower, and quality control & Quality assurance system.		
6	The DcPP should conform to the Occupational Health and Safety Management System & Standard OHSAS 18001-2007/Equivalent for manufacturing assembly, integration & testing of product sub systems for, Defence services and associated site activities.		
7	The DcPP should have experience in providing life support by way of maintenance / annual maintenance contracts, providing spares including addressing obsolescence, manpower at installations.		
8	DcPP must have experience in supply chain management.		

16. **MANAGEMENT CRITERIA:**

S.NO	DESCRIPTION	Compliance with Documentary Evidence	Remarks
1	The DcPP must be compliant with ILDC (Indian Licensed Defence Company)/DILs requirements for handling Category A (Highly classified and sensitive) projects.		
2	A company shall be considered as owned by resident Indian citizen, if more than 50% of capital is directly owned or beneficially owned by resident Indian.		
3	DcPP must have associated with CEMILAC/DGAQA/ other Govt. Agency for Quality control certification.		
4	DcPP must possess following certification / licences (these must be valid at the time of submitting response) ISO 9001:2015 /AS9100D/ equivalent or better.		
5	The DcPP must have technical and financial risk management capability. Risk management process is to be submitted.		
6	The partner should submit an undertaking that - None of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.		
7	Promoters and directors of the Applicant Company(s) shall be resident Indian citizens and should not be willful defaulters to the banking system. They should not be listed on exporters caution list of the Export Credit Guarantee Corporation or be otherwise banned.		
8	The company shouldn't be declared bankrupt under NCLT process or defaulted on loans.		
9	The company is requested to furnish information pertaining to blacklisting by any Indian Government agency including blacklisting of domestic/foreign technology partner if any.		
10	Written Consent by the DcPP is to be given for providing post-delivery support for maintenance of Mission system during the product life cycle of 30 years.		
11	(a) An undertaking to have a Hangar facility with access to runway, to accommodate Two A-321 aircraft at DcPP premises by T ₀ +36 months, so as to carry out Mission System integration on the aircraft.		

	<p>(b) Accordingly, DcPP will submit a commitment letter from the Firm/Company owning/has the hanger facility with runway access, as response to Eol.</p>		
12	<p>(a) As part of post-delivery life cycle support, DcPP shall have certified process and facility for modification/maintenance of Airbus family A319/320/321 aircraft either on its own as MRO or through authorized Indian MRO of Airbus 319 /320/321 aircraft and approved by DGCA by T₀+36 months. A commitment letter to establish this facility be submitted by DcPP, as response to Eol.</p> <p>(b) DcPP will give willingness certificate to provide Maintenance support, Spares & equipment support for A-321 platform during its life cycle of 30 years. An undertaking be submitted to this requirement.</p>		

PART-II
GENERAL INFORMATION AND INSTRUCTIONS

1. The Director, CABS reserves the right to accept/reject any or all the Eol without assigning any reason and also will not be responsible for postal delays.
2. **EOI Clarification:** Industry Partners are required to submit their queries/clarifications by mail/fax to CABS, DRDO on or before **25/10/2022**.
3. Contact Person:

(1) Dr T Balakrishnan, Scientist G Ph: 080-2504 9025/9026. 6360458883, 9483521665 Mail id: bala.cabs@gov.in	(2) Air Cmde J Joseph Head MMD Ph: 080-2504 9103 / 9141 9480106830 Mail id: mmg.cabs@gov.in
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4. **Last Date and Time for submission EOI:** On **09/11/2022 by 10:30Hrs**. The sealed documents should be deposited / reach by the Due Date and Time. Responsibility to ensure this lies with the Industry partners.
5. **Location for submission of Eol:** Security Office, CABS Gate No.4, CABS Bangalore.
6. **Manner of Depositing the Eol:** Sealed Eol should be either dropped in the designated Box or sent by post at the address given, in the "Invitation of Eol", so as to reach by the due date and time. Late Eol will not be considered. No responsibility will be taken for postal delay or non-delivery / non-receipt of documents. Eol sent by FAX or e-mail will not be considered.
7. **Time and Date for Opening of Eol:** On **10/11/2022 by 10:30Hrs** onwards. If due to exigency, the due date for opening is declared a closed holiday, the Eol will be opened on the next working day at the same time or on any other day/time, as intimated by CABS, DRDO.
8. **Place of Opening:** Security Office, CABS Gate No.4, CABS Bangalore. The Industry partner may depute their representative, duly authorized in writing, to attend the opening of Eol on the due date and time.
9. The cover containing duly completed response to Eol in all respects must be addressed to The Director, CABS indicating the Eol No. CABS/MMG/EOI-01/ ASS/22-23 and Description: **"Expression of Interest" and the Due Date and Time**. The Eol should reach not later than the Due Date.
10. **Other Conditions:**
 - (a) The respective representative from the short listed Industry Partner to sign the NDA along with company seal before issue of RFP. NDA format is placed at Annexure B for reference.
 - (b) Participation in EOI does not guarantee that RFP will be offered. Shortlisted firms only will be provided with RFP after submitting NDA.
 - (c) Director, CABS has the right to use the information provided by the Industry Partners for future issuance of the tender.
11. The Director, CABS reserves the right to accept/reject any or all the EOI without assigning any reason and also will not be responsible for postal delays.

INDUSTRY PARTNER INFORMATION PROFORMA

The details relevant to this EoI only may be provided.

1. Name of the Company
2. Owner of the Company (A company shall be considered as owned by resident Indian citizen, if more than 50% of capital is directly owned or beneficially owned by resident Indian)
3. Name of CEO with Designation
4. Address of the Registered Office
5. Address
6. Company Websites(s)
7. Date of Incorporation.
8. Brief History of the Company and its Group of Companies
9. Category of Industry (Large Scale/Medium Scale/Small Scale)
10. Nature of Company (Public Limited/Private Limited).
11. Nature of Business (Please give broad product range against each)
12. Details of Current Products
 - (a) Type/Description
 - (b) Licensed/Installed Capacity.
 - (c) Annual Production for preceding 3 Years
13. Details of Bought out Items (One Page Only)
 - (a) Main Equipment.
 - (b) Component/Assembly/Sub Assembly/Processes.
 - (c) Name and Address of the Sub-Contractor.
14. Details of Foreign Collaborations, if any.
 - (a) Product.
 - (b) Name and Address of Collaborator.
 - (c) Year of Collaboration
 - (d) Current Status
15. Technology Received from Abroad and Assimilated.
16. Technology Transfer MoUs Signed/Under Negotiation
17. Products Already Supplied
 - (a) To Indian Army/Air Force/Navy.
 - (b) PSUs
 - (c) DRDO and its Laboratories.
 - (d) Ordnance Factories.
 - (e) Any other Defence Organisation.
 - (f) To Other Principal Customers
18. Details of Registration Certification held (along with product details)
 - (a) DGQA
 - (b) DGAQA.DGNAI

- (c) CEMILAC
 - (d) GeM
 - (e) Other Defence Departments
 - (f) Other Government Department
19. Details of ISO / AS 9100 certification
20. Details of Pollution Control Certificate
21. Total Area of Factory (Proposed for this product)
- (a) Covered (Sq.mtrs)
 - (b) Uncovered (Sq.mtrs)
 - (c) Bonded Space Available (Sq.mtrs)
22. Details of Important facilities
- (a) Production (Including Heat Treatment, Dies, Jigs and Fixtures).
 - (b) CAD, CAM, ROBOTS and other Advanced Technology Tools.
 - (c) Environmental Test Facilities.
 - (d) Tool Room, Metrology and Test Equipment Facilities.
 - (e) Type of Instrument.
 - (f) Make and Model
 - (g) Date of Purchase
 - (h) Frequency of Calibration
 - (i) Hangar
23. Details of Development Facilities (Only Relevant)
- (a) R & D Facilities Available
 - (b) Number of Technical Manpower
 - (c) Inspection and Quality Control.
 - (d) Assistance from Central Agency/Agencies for Testing/Calibration.
 - (e) Laboratory and Drawing Office Facility.
24. Area of interest for Future Expansion/Diversification
25. Future Plan (if any) in respect of Expansion Programme, Installation of Additionally Machines/Test Facilities.
26. Any other Relevant Information. Contact details of the Executive Nominated to co-ordinate with the Assessment Team (Please provide telephone, mobile and e-mail address)

NON DISCLOSURE AGREEMENT (NDA)

This Non-Disclosure Agreement is entered into by and between SHQ/MoD (Disclosing Party) and _____ located at _____ (Receiving Party) for the purpose of preventing the unauthorized disclosure of confidential information as defined below. The parties agree to enter into a confidential relationship with respect to the disclosure of the RFP for procurement of _____ (name of the Project).

1. For purpose of this Agreement, "Confidential Information" shall include all information or material in which Disclosing party is engaged. If confidential information is in written form, the Disclosing party shall label or stamp the materials with the word "Confidential" or some similar warning. If confidential information is transmitted orally, the Disclosing Party shall promptly provide a written communication indicating that such oral communication constituted confidential information.

2. Receiving party shall hold and maintain the confidential information in strictest confidence for the sole and exclusive benefit of the Disclosing party. Receiving party shall carefully restrict exercise to confidential information to employees, contractors and third parties as is reasonably required and shall require those persons to sign Non-Disclosure restriction atleast as protective as those in this Agreement. Receiving party shall not, without prior written approval of Disclosing party, use, publish, copy, or otherwise disclose to others, or permit the use by others or to the detriment of Disclosing party, any confidential information. Receiving party shall return to the Disclosing party any and all record, notes and other written, printed or tangible materials in its possession pertaining to confidential information immediately if Disclosing party requests it in writing.

3. Nothing contained in this Agreement shall be deemed to constitute either party a partner, joint venture or employee of the other party for any purpose.

4. If any provision of this Agreement is held to be invalid or unenforceable by court of law, the remainder of this Agreement shall be interpreted so as best to effect the intent of the parties.

5. This agreement expresses the complete understating of the parties with respect to the subject matter and supersedes all prior proposals, agreements, representations and understandings. This Agreement shall not be amended except with the written consent of both the parties.

6. That in case of violation of any clause of this Agreement, the Disclosing party is at liberty to terminate the services of Receiving party without assigning any reason and shall also be liable to proceeded against in a Court of Law.

7. This Agreement and each party's obligations shall be binding on the representatives, assigns and successors of such parties. Each party has signed this Agreement through its authorised representatives.

Disclosing Party

Receiving Party

Date: _____

Date: _____

DEFINITIONS

1. In this Non-Disclosure Agreement, the following terms shall, unless the context otherwise requires, have the following meanings:

(a) 'Disclosing Party' or 'First Party' means DRDO Lab / Estt. Disclosing Confidential Information to the Industry Partner/Seller/Development Partner under this Agreement.

(b) 'Receiving Party' means the Industry Partner/Seller/Development Partner receiving Confidential Information from DRDO Lab/Estt. under this Agreement.

(c) 'Confidential Information' means any information, which shall include but is not limited to, design, fabrication and assembly drawings, know-how, processes, product specifications, raw materials, product samples, inventions, concepts and any other technical and/or commercial information, disclosed directly or indirectly and in any form whatsoever (including, but not limited to, disclosure made in writing, oral or in the form of samples, models, computer programmes, drawings or other instruments) furnished by the Disclosing Party to the Receiving Party under this Agreement.

(i) Such Confidential Information shall also include but shall not be limited to:

- Information disclosed by the Disclosing Party/First Party in writing marked as confidential at the time of disclosure;
- Information disclosed by the Disclosing Party/First Party orally which is slated to be confidential at the time of disclosure;
- Information disclosed in any other manner is designated in writing as Confidential Information at the time of disclosure; or
- Notwithstanding sub-clauses above of this definition, any information whose nature makes it obvious that it is confidential.

(ii) Such Confidential Information shall not include any information which is, at the time of disclosure, publicly known; or becomes at a later date, publicly available otherwise than a wrongful, act or negligence or breach of this Agreement of or by the Receiving Party; or

- The Receiving Party can demonstrate by its written records was in its possession, or known to the Receiving Party, before receipt under this Agreement, and which was not previously acquired under an obligation of confidentiality; or
- Is legitimately obtained at any time by the Receiving Party from a third Party without restrictions in respect of disclosure or use; or
- The Receiving Party can demonstrate to the satisfaction of the Disclosing Party, has been developed independently of its obligations under this Agreement and without access to the Confidential Information.

2. Administrative Instructions:

(a) Authority of the Signatory of Receiving Party in NDA shall be established prior to signing of NDA; preferably, a letter should be obtained from CEO/MD of the Receiving Party authorizing a named senior level official to sign NDA or their behalf.

Only such authorised Senior Level Officer should sign the NDA document on behalf of Receiving Party/Second Party.

(b) The confidentiality of the documents shall also be maintained by the Consortium Partners of the Suppliers/Receiving Party.

(c) The Labs/ Estts. /Programmes are advised to enter into this NDA in all Contracts wherein any Confidential Information is being shared with the Receiving Party/Second Party.