

AIRDATS-E Mk3

The AIRDATS-E Mk3 Test system is used for the Hardware Software Integration testing of four numbers of Auxiliary Computer (AC) of LCA Air Force Mk2 and Verification and Validation of IFCS with ACs. Four Auxiliary computers shall collectively receive air data from all smart probes and process the raw signals (i.e., Static pressure, Total pressure, Temperature, AOA and AOSS).

AIRDATS-E MK3 is used for Hardware Software Integration (HSI) of Auxiliary computer with following functional requirements.

- a. Capabilities to execute test scripts for testing Auxiliary Computer with strict adherence to timing, I/O mapping and functionalities.
- b. Capabilities to introduce failures in simulations of the interfaces.
- c. Hard real time capability to test On-board Flight Program (OFP) software of Auxiliary Computer.

Scope of ToT : AIRDATS-E Mk3 is a test system intended for Hardware-Software Integration (HSI) of Auxiliary Flight computer of LCA-Mk2 and for progressive integration at ADA & Iron Bird, HAL. ADE has designed one unit of the test system which is certified by CEMILAC as type1. All future procurements of AIRDATS-E Mk3 test systems will be done by the ToT partners. ToT partners should Build, Install, Operate, Maintain and provide operational support of AIRDATS-E Mk3 test systems including Comprehensive AMC. The scope does not include ToT of the s/w residing in the test system. However, ADE will provide binaries to be installed in the system along with installation procedure.

The system has simulated sensors, actuators and other FCS Interfaces and will have provision to connect to real LRUs, fault injection features. It also has provision to interface with Flight Dynamics Simulator (FDS) in Iron Bird configuration.

1. Interested Companies/industries are requested to apply against this EoI to the following address:-

To,
Director
Aeronautical Development Establishment (ADE)
New Thippapasandra, Bangalore – 560075
Tele: 080-25057841 / 7842
Fax : 080 - 25283188
Email :director[dot]ade[at]gov[dot]in

2. A copy of interest may be sent to the following address without any attachment:-

To,
The Director,
Directorate of Industry Interface & Technology Management
(DIITM),
Room No. 447, DRDO Bhawan Rajaji Marg, New Delhi- 110 011
Email- diitm.hqr@gov.in
Phone No. 011-23013209
Fax No.011-23793008

All industries interested in seeking ToT are requested to apply in the format given below along with supporting documents (as applicable). Kindly provide reference of page no. of supporting document in the relevant field also. The list of documents to be attached is provided in Annexure – I.

PART-1

1.1.1 General Information

1.	Name of the Technology requested for Technology Transfer (Technology name and concerned Lab, Category)	
2.	Name of the industry/ organization	
3.	Complete Address and other details	
	Registered Office	
	State Phone No Fax Email Website	
	Factory	
	State Phone No Fax Email Website	
4.	Point of Contact Name Designation	

	Address Mobile No Ph No Email ID	
5.	NAME OF CMD/ MD /PARTNERS/ PROPRIETOR/ etc Name Designation Address Mobile No Ph No Email ID	
4.	Date of Incorporation of company	
5.	Foreign Direct Investment in company (if any in %)	
6.	Shareholding pattern	
7.	Turn over as per Audited Balance Sheet for the preceding three years. Year _____ Year _____ Year _____	
8.	Annual budget for R&D during last three years (if any) Year _____ Year _____ Year _____	
9.	Income Tax returns for the preceding three years period Year _____ Year _____ Year _____	
10.	Nature of company DPSU, Private Limited, Public Limited, Partnership, Proprietary, Ex- Serviceman Unit	
11.	Category of ind12 ptustry Large Scale, Medium Scale, Small Scale, Micro, Startup	
12.	MSME Registration No	
13.	Certificates of registration as a manufacturing unit, if any.	
14.	If Startup, DPIIT Registration No	
15.	UDYOG AADHAR No	
16.	PAN Number	
17.	Details of Industrial license for defence manufacturing	

	issued by DPIIT (if any)	
18.	Details of PESO license (if any)	
19.	GST Number	
20.	Nature of business Manufacturing/ Sole Selling or Authorized Agent/ Assembler/ Traders/ Dealer/ Processor/ Repacker/ Others	
21.	Details of current products and services Products and services Supplied (please specify Govt/ Domestic market/ Export)	
22.	Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).	
23.	Details of registration with NSIC / SSI, DGS&D, other Defence Department, other Govt. Dept, membership of FICCI/ASSOCHAM/CII or other Industrial Association (Attach relevant copies of registration letters)	
24.	Have you already taken any technology from DRDO (If yes, give details attaching separate sheet) Name of the Technology, Lab, Year, License number & Status	
25.	ISO/ ISI certification or any other certification (If yes, give details)	
26.	Relevant clearances form the authorities/ ministries (if any)	
27.	Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.	
28.	Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.	

PART-2

1.1.2 Infrastructure and other Information

- 1.1 Total area of factory
Covered (m²),
Uncovered (m²),
Bonded space available (m²)
- 2.1 Ownership of factory
Self-owned, partnership, rental
- 3.1 Electric power
Sanctioned

Installed

Standby (if any)

4.1 Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise

5.1 Name of bank & A/c No

Name of bank

A/c type

A/c no

Address of the bank

Phone: Email:

Appendix 'A' Details of current products:

Sl.no .	Type	Description	Licensed/installed capacity	Annual production for preceding 3 years

Appendix 'B' Details of foreign collaboration, if any

Sl.no .	Product	Name & address of collaborator	Year	Remarks

Appendix 'C' Details of products developed for services

Sl.no .	Nomenclature of stores	Order no and date	Remarks

Appendix 'D' Please give details of important facilities & infrastructure as per following format for:

- a. **Production**
- b. **Unconventional, special m/c**
- c. **Testing & quality control facilities**

Sl.no .	Description of m/c	Make & model	Qty	date of purchase	Remarks

Appendix 'E' Furnish the following details with relevant certificates and documents

- a. **R&D facilities available** :
- b. **Inspection quality control of raw material components** :
- c. **Assistance from central agency for testing / calibration etc.** :
- d. **laboratory and drawing office facility** :

Appendix 'F' Principal customers:

Sl.no	Name & address	S.O No. & date	Date of last supply	Products supplied	Value
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Appendix 'G' Future plan (if any) in respect of expansion programme installation of additional machines/ test facilities etc.**Appendix 'H' Name of the technology requested for transfer (give self-assessment of your capability to absorb the technology)****Appendix 'I' Details of employee as on date on firm's pay roll**

PERMANENT				
Category	Post Held	Number	Qualification	Total Service
Technical	Prod. Manager Q.C. Manager Supervisor Testing Staff (Qc) Skilled workers Unskilled workers, etc.			
Administrative	Purchase Manager Accounts Officer Office Superintendent Clerical Others etc			

TEMPORARY				
Category	Post Held	Number	Qualification	Total Service
Technical	Prod. Manager Q.C. Manager Supervisor Testing Staff (Qc) Skilled workers Unskilled workers, etc			
Administrative	Purchase Manager Accounts Officer Office Superintendent Clerical Others, etc			

DECLARATION :

I / we confirm that the information furnished in Part 1 & 2 above is correct. In the event of any information given by me / us is found incorrect / false at any time, I / we understand our Eol for ToT will be cancelled/ rejected without notice, beside any other appropriate action against me / us.

Industry seal

Authorized signatory

**Name(s) in capital
designation and seal of authorized
signatory**

dated:

Place:

List of Support documents to be attached with EoI:-

- (a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, as amended time to time).**
- (b) Certificates of registration as a manufacturing unit, if any.**
- (c) Audited Balance Sheet for the preceding three years.**
- (d) Income Tax returns for the preceding three year period.**
- (e) Details of shareholding/ownership pattern especially foreign partners/shareholders, foreign employees, directors, etc. The company must adhere to the prevailing Govt of India policies and regulations on Foreign Direct Investment (FDI)/ DIPP norms as applicable.**
- (f) Annual budget for R&D during last three years.**
- (g) Numbers and details of IPR or patents, etc., held by the company.**
- (h) Number of technically or professionally qualified personnel.**
- (i) Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).**
- (j) Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.**
- (k) List of Testing and Support equipments.**
- (l) ISO/ ISI certification or any other certification.**
- (m) Relevant clearances form the authorities/ ministries (if any).**
- (n) Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.**
- (o) Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.**

- (p) PESO and DPIIT license for explosive handling if ToT is for high energy Material, explosives, propellants, and component/ system dealing with it etc.**
- (q) Under taking form company seeking ToT that none of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.**
- (r) Details of the industries license for Defence manufacturing be provided by the industry seeking ToTs.**
- (s) Application cum Industry Assessment Form.**