

CODISSIA DEFENCE INNOVATION AND ATAL INCUBATION CENTRE

CODISSIA G.D. NAIDU TOWERS,

Huzur Road, Coimbatore-6410 018.

Phone: 0422-2221582, 2222409 Email: info@cdiic.in

TENDER NO. CDIIC/AIC-EQPT/058/2024-25

**FOR SUPPLY, INSTALLATION, AND COMMISSIONING OF
ELECTRONICS MANUFACTURING UNIT (SMT & PTH ASSEMBLY LINE)
INSTALLATION AT:**

CDIIC, KALLAPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT.

VOLUME II

PRICE BID

By

The Director,

**CODISSIA Defence Innovation and Atal Incubation Centre (CDIIC),
CODISSIA GD Naidu Towers, Huzur road, Coimbatore-641 018
Ph.: 0422 222 2409**

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1. PREAMBLE TO SUBMISSION OF TENDERS

The Tender must include:

- a) The following documents given by CDIIC, duly completed and one marked "PRICE BID"
- b) Price bid
 - Price bid Submission Form,
 - Bill of Material and Summary of Price Schedules (Bidders are instructed to Tender only in the document issued by CDIIC. Any Tender submitted contradictory to this should be rejected)

2. PRICE BID SUBMISSION FORM

Date:

To

The Director,
CODISSIA Defence Innovation and Atal Incubation Centre
CODISSIA, GD Naidu Towers
Huzur Road,
Coimbatore – 641 018.

TENDER NO: CDIIC/AIC-EQPT/058/2024-25

Gentlemen,

1. Having examined the Instructions to Tenderers, Specifications, Drawings, Schedule of Rates and Prices and Addenda Nos. _____ for the supply, installation and commissioning of machinery as per tender, we the undersigned, offer to complete such order and remedy any defects therein in conformity with the Tender Specifications, Drawings, Schedule of Rates and Prices and Addenda for the sums of money as indicated below in words.

Indian Rupees (figures & words) -----

We understand that CDIIC is at liberty to decide on prices detailed out in the Schedule of Rates and Prices.

2. We acknowledge that the Preamble to Schedule of Rates and Prices, and Schedule of Rates and Prices form part of our Tender
3. We agree to abide by this Tender for the period of 90 (Ninety) days from the date fixed for the Tender submission deadline in accordance with the tender documents, and it should remain binding upon us and maybe accepted at any time before the expiration of that period;
4. If our Tender is accepted, we commit to submit a Contract Performance Guarantee in accordance with the Tender Documents;
5. We understand that this Tender, together with your written acceptance thereof included in your notification of award, should constitute a binding contract between us
6. We understand that you are not bound to accept the highest-ranked Tender or any other Tender that you may receive;
7. We agree to CDIIC's right to award the Tender in full/Part

Dated this _____ day of _____ 20__ Signature
_____ in the capacity of _____

Duly authorized to sign the Tender for and on behalf of

(in BLOCK Letters)

Address: _____

Company Seal: _____

Witness 1

Witness 2

Name: _____

Name: _____

Address: _____

Address: _____

Occupation: _____ Occupation: _____

2.1 Bill of Materials and Summary of Price Schedules

The Financial offer to execute the supply as per the tender:

Supply of Machine to CODISSIA Defence Innovation and Atal Incubation Centre, CODISSIA, G.D. Naidu Towers, Huzur Road, Coimbatore – 641018 and offered financials for the supply, installation and commissioning of machinery as per Technical Specifications, at site and training to trainers with commitment to offer on-site after sales services in the period of warranty and maintenance contract.

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S. No	Equipment Name	Details	Quantity (A)	Basic price for supply of single unit (in Rs.) (B) FOR.CDIIC	Total basic price C (C= AxB) (in Rs.)	GST in % (D)	GST in Rs. (E)	Total Price Incl. of GST FOR.CDIIC (F) F=C+E (in Rs.)
1	Dry Cabinet Box	The Dry Cabinet Box is designed to store sensitive electronic components in an ultra-low humidity environment. It prevents moisture absorption in moisture-sensitive devices (MSDs) such as ICs, BGAs, SMT components, and other sophisticated devices.	1					
2	Hot Air Baking Oven	A Hot Air Oven is a device used for sterilization, drying, and baking by circulating heated air within a closed chamber. It operates using convection heating, where the air is heated and evenly distributed to maintain a consistent temperature. This process ensures that materials such as glassware, powders, and metal instruments are efficiently dried or sterilized without moisture.	1					
3	Solder Paste Mixer	The Solder Paste Mixer ensures uniform mixing of solder paste using centrifugal force. It softens and deforms solder paste to achieve the desired viscosity, suitable for SMT applications	1					
4	Automatic Loader	The Automatic Loader facilitates the automated loading of PCBs into the production line. It features adjustable	1					

		settings for PCB size and transfer direction, enhancing efficiency.						
5	Fully Automatic Solder Paste Printer	The Fully Automatic Solder Paste Printer is designed to provide precise and efficient solder paste application on PCBs. Its advanced floating intelligent printing head, customizable cleaning modes, and high-speed operation ensure accuracy and reliability in SMT production.	1					
6	Fully Automatic Solder Paste Inspection (SPI)-3D	The Fully Automatic Solder Paste Inspection is designed to provide precise and efficient After-solder paste printing inspection applications on PCBs.	1					
7	SMT Pick and Place Machine	The SMT Pick and Place Machine is a high-speed, precision equipment designed for the automated placement of electronic components on PCBs. It offers simultaneous multi-head placement with advanced recognition methods, ensuring accuracy and efficiency in SMT production lines	1					
8	Reflow Oven	The Reflow Oven is an essential piece of equipment in SMT production, designed for the precise soldering of PCBs. It provides even heat distribution across components and ensures reliable solder joints. Its advanced temperature control and multi-zone configuration make it ideal for high-volume manufacturing.	1					
9	Reflow Oven Profiler - N₂O	A Reflow Oven Profiler is used to monitor and analyze temperature variations inside a reflow oven during the SMT (Surface Mount Technology) soldering process. It	1					

		ensures proper heat distribution for consistent soldering quality.						
10	Conveyor and Inspection Conveyor	The Conveyor and Inspection Conveyor transport PCBs between production stages. The inspection conveyor ensures visual quality checks. 10.1 SP TO SPI link conveyor 10.2 SPI to P&P link conveyor 10.3 P&P TO Reflow oven link conveyor 10.4 Reflow oven to AOI link conveyor	4					
11	Automatic Optical Inspection (AOI)-3D	The Automatic Optical Inspection (AOI) machine detects defects in soldering, components, and assemblies on PCBs. It employs advanced imaging systems, machine learning algorithms, and multi-angle inspection to ensure quality in SMT processes.	1					
12	Automatic Unloader	A PCB Unloader is an automated machine used in SMT (Surface Mount Technology) and PCB assembly lines to automatically remove PCBs from the production line and stack them safely in magazines or racks. It ensures smooth and efficient handling of PCBs, reducing human effort and improving productivity.	1					
13	Wave Soldering Machine	The Wave Soldering Machine is designed for through-hole (PTH) soldering of electronic components. It uses a dual-wave system with precise preheating and soldering control, ensuring high-quality joints in mass-production environments.	1					

14	Wave Soldering Pallet	A wave soldering pallet is a customized fixture that securely holds PCBs in place during the wave soldering process. It ensures proper alignment and protection of delicate components from excess solder.	1					
15	PCB Ultrasonic Cleaning Machine	The PCB Ultrasonic Cleaning Machine is designed to effectively remove flux residues, dust, and contaminants from PCBs. It uses ultrasonic waves combined with water-based or solvent solutions to ensure deep and gentle cleaning without damaging components.	1					
16	De-panel Cutting Machine	The Deplane Cutting Machine is used for the precise separation of individual PCBs from a larger panel without causing stress or damage. It is suitable for high-volume manufacturing where accuracy and speed are critical.	1					
17	Conformal Coating Machine	The Conformal Coating Machine applies a protective coating to PCBs, ensuring environmental protection against dust, moisture, and chemical contaminants. It supports automated and precise application methods to enhance reliability and durability.	1					
18	In-Circuit Tester (ICT Machine)	An In-Circuit Tester (ICT) is used in electronics manufacturing to check for short circuits, open circuits, incorrect components, and polarity issues in a PCB assembly. It helps detect faults in real-time,	1					

		ensuring quality and reliability before further production steps.						
19	Soldering & Desoldering Machine	A soldering & desoldering machine is used for attaching and removing electronic components on a PCB using high-temperature soldering techniques. It is essential for repairing, modifying, or assembling electronic circuits.	1					
	Total		22					

Name of the Authorized Signatory: _____ in the capacity of [*Designation*]: _____ Signed:

Duly authorised to sign the Tender for and on behalf of: _____

Date: _____ Company Seal: _____

-----End of the Document-----