

**Instrument Design Development Centre  
INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS, NEW DELHI-110016**

**NOTICE INVITING QUOTATIONS**

**Ref: IITD/IDDC/ALV/SMD/**

**Date: January. 02, 2013**

**DUE DATE: January. 22, 2013; 5PM**

Sealed quotations are invited for the supply of following items:

**One in number Digital Self Contained three functions SMD Mounting/Rework and Repair System with the following details:**

1. Base Unit with 400W of power on three independently controlled channels with following features and Specifications:

**Features:**

- 3 tool channels with automatic tool detection
- 230 V input Voltage
- Large LCD screen for tool tip temp. and other parameters display
- Self contained with internal vacuum for portability
- USB port for software connectivity for monitoring and data logging
- Compatible with all high speed micro-tools
- Static free air

**Specifications:**

Wattage:	400 Watt Power Supply
ESD Safe:	All Tool handles, Cord sets and Air flow to be Static Free
Temperature range:	Variable from 150 F to 999 F in steps of 1 F
Stability	±7 F
Hot Air/Vacuum Pump:	Max Vacuum 0.7 Bar
(Duty Cycle: 30sec on, 30 sec. off)	Max Delivery rate 18l/min Hot Air 15 l/min. Max. Vacuum 0.5 bar
Vacuum pick-up pump	Max. Delivery rate 1.7 l/min. (Duty cycle: 60 sec on, 30 sec. off)

The system should have the following attachments/items:

- I) 80 Watt Soldering iron with stop and go iron holder
  - II) 80 Watt De-soldering iron with stand
  - III) 200 Watt Hot Air Tool with Iron Holder
  - IV) SMT Chip (up to 30mmx30mm) Removal Nozzle Kit
  - V) Vacuum pickup Pencil
  - VI) Thermal Tweezer
  - VII) Stand for holding the PCB
  - VIII) Inspection USB microscope
2. Optional Item: Volume Fume Extraction System with Accessories for one user

## Terms and Conditions:

1. Please submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes. Mark the two envelopes clearly as "\_Technical Bid" and "\_Financial Bid" respectively. Both the sealed envelopes should be sent in a single sealed envelope, clearly marked as "**Quotation for SMD Mounting/Rework and Repair System**". The quote should reach the following address on or before **22.01.2013, 5 PM**.

Prof. A.L.Vyas  
Room No. WS 136  
Instrument Design Development Centre  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi-110016

2. Please quote prices for FOB New Delhi, inclusive of all taxes and duties.
3. Quote should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and needs to be valid for at least three months.
4. Attach all the technical literature and a list of similar installations done in India.
5. If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote to IIT Delhi on behalf of the manufacturers should be enclosed.
6. Complete set of manuals for the operation of the equipment should be given.
7. Clearly specify the installation requirements - such as space, power, frequency, environment etc.
8. If the item quoted is proprietary in nature, please enclose proprietary certificate from the principals stating, "\_Certified that ..... is a proprietary item of M/s .... and no other manufacturer makes this item."
9. Please attach a signed and stamped compliance chart for the specifications. The format of the compliance chart is attached to this document.
10. Please specify all of your terms and conditions clearly, including delivery period.
11. Mode of payment for purchases in foreign currency are through irrevocable letter of credit, or through wire transfer on delivery. Only bank charges within India are payable by IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.
12. The Institute reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

(Principal Investigator)

(Chairman Purchase Committee)