

INDIAN INSTITUTE OF TECHNOLOGY GOA

At Goa Engineering College Campus

Farmagudi, Ponda, Goa 403401

E-mail: purchase@iitgoa.ac.in

GSTIN: 30AABAI1653D1ZF

PAN: AABAI1653D

TAN: BLRI08261B

Enquiry No: IITGOA/2018-19/114

Date: 20/02/2019

IIT Goa invites sealed quotations in two bid form for the supply of below mentioned item.

Sl. No.	Description of Item	Qty
1	CNC Prototyping Machine (Detailed Specifications Attached)	01 No.

Terms and conditions:

1. Quotation must be valid for at least 90 days.
2. The GSTIN should invariably be mentioned in your offer.
3. Kindly attach a compliance certificate along with the technical quote.
4. Prices:

I) For Import Supplies:

- a) It is mandatory to quote price in CIF/CIP Goa basis only with separate cost breakup.
- b) In case of Multiple options of same product, bidders are requested to quote only one best option and not multiple options.
- c) All local taxes, customs duty and clearance charges will be borne by the Institute as applicable.
- d) Payment terms: 90% payment by letter of credit and balance 10% will be paid by wire transfer after satisfactory installation and commissioning.

II) For Indigenous Supplies:

- a) In case of Multiple options of same product, bidders are requested to quote only one best option and not multiple options.
 - b) Payment terms: Within 30 days after the delivery and installation of the item at IIT GOA.
5. Delivery and installation should be made within 4-6 weeks of getting a confirmed order.
 6. The suppliers shall provide the banking details along with their quote on their letterhead duly signed and stamped.

7. IIT Goa reserves the right to accept and/or reject any/all bids without assigning any reason.
8. Quotations shall be submitted in two parts;
 - 1) **Part – I (Technical)** should contain all the technical details and specification of the product. It should contain unpriced bid along with terms and conditions, compliance certificates, proprietary certificates (if applicable), any other certificates/details etc. This envelope should be marked as “Technical Bid”
 - 2) **Part -II (Financial)** The financial bid of the above item should be in a sealed envelope marked as “Financial Bid” and should contain financial terms and conditions.
9. For any clarification, you may kindly contact Dr. Bidhan Pramanick (e-mail: bidhan@iitgoa.ac.in) and Stores & Purchase Department (email: purchase@iitgoa.ac.in) till 01/03/2019.
10. All sealed quotations must reach to the Assistant Registrar (Stores & Purchase), IIT Goa, at Goa College of Engineering Campus, Farmagudi, Ponda, Goa by 17.00 Hrs on or before 13th March, 2019”.

Sd/-
Asst. Registrar (S&P)

Specification of CNC prototyping machine

Item 1. CNC prototyping machine

Specification	Details
Minimum trace width	0.2mm or less
Maximum board thickness	5mm or more
Capability of processing materials	PMMA (Acrylic), FR4, Copper clad, Various Metals including Aluminum, Wood
Maximum board size	30cm X 30cm or more
Maximum speed of drilling	50,000 rpm or more
Drill bit diameter	0.2mm to 2mm or wider range
X/Y Resolution	4µm or better
Tool change	Manual/Automatic
Interface with PC	Needed
Positioning Camera	Needed
Supported OS	Windows or Linux
Compatibility with Gerber file format	Needed
Dust free enclosure/cabinet	To keep the machine(s) free of dust from outside as well as to contain the drill waste
Accessories	Various Drill bits, PMMA (Acrylic) and FR4 sheets of at least 40 nos. each should be quoted as optional items.

Item 2. Vacuum cleaner to clean the drill waste

Specification	Details
Maximum vacuum pressure	15kpa or more
Maximum power	750W or more

Item 3. Desktop PC to interface with the prototyping machine

Specification	Details
Processor	Intel core i7, base frequency 3.2GHz or higher, 7 th generation or later
OS	Windows 10 Home 64
RAM	16GB DDR4 (expandable to 32 GB)
HDD	1TB or more
Monitor	23" or more (resolution 1920X1080 or more)
Connectivity	10/100/1000 Gigabit Ethernet and Wireless (802.11ac)
Expansion Slots	PCIe x 16 (min. 2 slots)
Productivity	MS Office (H&S)
USB Ports	Min. 2 of Type 2, at least 1 USB 3.0
HDMI Port	Min. 1
Serial Port	Yes
VGA Port	Yes
Display Port	Yes
Input Devices	Keyboard and optical mouse
OEM	HP/Dell/Lenovo/Aspire preferred

Item 4. Design software

Specification	Details
Software	Industry standard software such as OrCAD, Allegro, PADS etc. with perpetual license
No. of licenses required	01 (floating license preferred)
OS compatibility	Should be compatible with prototyping system and Computer