GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act No.: 20 of 2007)



E-Tender Notice No: 5 / 2019-20

Including Technical & Financial Bid – (Financial bid to be filled online only)

"E - TENDER FOR PURCHASE OF DIC FAB LAB INSTRUMENTS"

Gujarat Technological University

Nr. Vishwakarma Government Engineering College, Nr. Visat Three Roads, Visat - Gandhinagar Highway, Chandkheda, Ahmedabad – 382424 - Gujarat Phone: 079-

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Visit us: http://www.gtu.ac.in

E-Tender Notice no:-5/2019-20

"E - TENDER FOR PURCHASE OF DICFAB LAB INSTRUMENTS"

Instrument No.	Name of Instrument	Quantity	Estimated Cost of each Instruments	EMD*	Tender Fees*
1	Laser cutting machine (CO2 Laser Cutting and Engraving Machine)	1	1200000		
2	Roland make PCB Making marking/ Engraving	1	700000		
3	CNC Router 1300*2500*200mm	1	1050000	3% of the	Rs.1500
4	Vertical Hexo Cutting Machine	1	50000	estimated Cost	(non- refundable)
5	16 inch Scroll Saw Electric operated Scroll Saw	1	9000		
6	wood turning Lathe	1	410000		
7	3D Scanner	1	90000		
8	3D Doodler	1	12000		

• In form of DD in favour of Gujarat Technological University payable at Ahmedabad only should be attached along with the tender document. Tenderer have to submit separate EMD for each instrument, tender without separate EMD will not be considered.

The Gujarat Technological University invites Online Tender for PURCHASE OF INSTRUMENTS for DIC FAB LAB at Gujarat Technological University, IIT shed Campus under two bid systems. Interested parties/firms who wish to participate in online tenders can download the tender documents from the n-procure website (www.gtu.nprocure.com) or GTU website www.gtu.ac.in under tender option. Bidders have to submit price bid in electronics format only through n-procure website till the last date & time prescribed for submission. Price bid of Tender in physical form will not be accepted in any case.

EMD, Tender Fee, and other essential documents for the tender should be submitted on or before 27/08/2019 in the office of the Gujarat Technological University, Nr. Vishwakarma Government Engineering College, Nr. Visat Three Roads, Visat – Gandhinagar Highway, Chandkheda, Ahmedabad – 382424. Gujarat. India.

Interested bidders can participate in any or all of the instruments. The lowest price (L1) will be considered instrument wise.

Tender Documents received late / incomplete without requisite papers and Demand Draft for tender fee and EMD shall be summarily rejected. GUJARAT TECHNOLOGICAL UNIVERSITY reserves the right to accept or reject any tender, without assigning any reasons.

Last Date of Submission of Tender (online) : 26/08/2019, (6.00 PM)

Last Date of Submission of Tender (Physical) : 27/08/2019 (6.00 PM)

Date of Opening of Tender (Technical Bid only) : 28/08/2019 (2.00 PM)

Date of Opening of Commercial Bid : 29/08/2019 (2.00 PM)

Tender shall be valid up to : 90 Days

Date: 08/08/2019 Registrar

GENERAL CONDITIONS

- 1) Online tender is invited from the reputed and experienced supplier for the SUPPLY AND INSTALLATION OF LABORATORY INSTRUMENTS at DIC FAB Lab, IIT Shed, Gujarat Technological University, Chandkheda Campus. Interested parties who wish to participate in online tenders can download the tender documents from the n-procure website. Bidders have to submit price bid in electronics format only on n-procure website till the last date & time for submission. Price Bid of tender in physical form will not be accepted in any case. The specifications of instrument is shown in Annexure –I.
- 2) The manufacturers/authorised seller/authorised dealer/ authorised supplier for supply and installation of Laboratory Instruments may submit their offer as per the specifications mentioned in tender form. Complete tender form duly filled along with all details with non-refundable tender form fee DD of Rs. 1500/- in favour of 'Gujarat Technological University payable at Ahmedabad', and EMD (in the form of DD) as per terms and condition.
- 3) Submission of EMD, Tender Fee, and other essential documents on or before last date and time mentioned above in the office of the Gujarat Technological University, Chandkheda, Ahmedabad. Gujarat Technological University reserves all the right to reschedule, cancel or reject the tender without assigning any reasons thereof. For more details visit us at websites: www.gtu.ac.in
- 4) The tenderer should invariably submit the tender in two sealed covers separately namely
 - a. E.M.D. and Tender Fee Cover
 - b. Technical Bid Cover at University office in physical.

Tenderer has to submit commercial bid on line only. Physical Commercial Bid will not be accepted. All the sealed envelopes duly superscripted with the name of tender with the contact details shall be submitted in a larger envelope must reach on/before 27/08/2019 through Reg. A.D./Speed Post/courier only to "GTU Chandkheda Campus, Nr. Sabarmati-Koba Highway, Nr. Visat Three Roads, Chandkheda, Ahmedabad, 382424, Gujarat, India." Offers sent through Fax/e-mail/Cable/Telegram/in person will NOT be accepted.

- 5) Tenderer should provide the following documents with superscription.....
 - a. Certificate of Authorized Manufacturers/ Authorized Reseller/ Dealer of overseas companies/ Authorized Dealers of manufactures.
 - b. Clients list of Company/ Dealer and total experience in this field.
 - c. GST Registration No.
 - d. PAN card of Agency/Company
 - e. The details of turnover of tenderer for last three financial year upto 2017-18 years.
 - f. Undertaking by tenderer.
 - g. Technical documents/specification.
- 6) Tenderer should furnish complete details of the latest technology available with full documentation & descriptive literature and point out any special features of their system.
- 7) Tenderer shall furnish details of the Back-up engineering and system support that will be made available to Gujarat Technological University by the Manufacturers/ Authorized Reseller/ Authorized Dealers of Manufactures/or Authorized Suppliers.
- 8) The Prices quoted must be firm and on FOR, IIT Shed, GTU Campus, Visat- Koba High way, Chandkheda. Gujarat, India No any other taxes/ charges etc will be paid other than the quoted price. Different components of the price for insurance, freight installation and

commissioning at destination site must be included in the final price. Discount offered, if any, should be indicated prominently.

- 9) All bidders can participate in any/all instrument, the lowest price (L1) will be considered Instrument wise. Therefore, tenderer have to submit separate EMD for each instrument, tender without separate EMD will not be considered.
- 10) All the tender documents must be duly stamped & signed by the Suppliers.
- 11) On acceptance of the rates as per the approved tender and after completing official necessary formalities, the tenderer will be informed about the acceptance of his tender. The supply order will be placed by Registrar, GTU.
- 12) The undersigned also reserves the right to accept or reject the supplies in full or in part which do not strictly stick up to the specifications or to accept the material/articles supplied with slight variations in specifications or with a condition that the rates accepted shall be reduced at such rates as the competent authority of the University & Vendor by mutual understanding, looking to the variations and that such rates shall be binding on the tenderer. The vendor should provide additional items/materials/etc at free of cost if needed as an installation requirement at actual site until complete installation of Instrument/s.
- 13) University reserves the right to accept or reject higher version of specification etc. or any other items under the same terms and conditions and same price quoted by tenderer in tender form.
- 14) Bidders are also required to separately submit along with technical bid Warranty period, terms & conditions for service and charges (special discounted price for academic institution) for Annual Maintenance Contract (with & without spares parts) for next two years after guarantee/warranty period is over or on call basis.
- 15) As soon as the tenderer delivers the tender in the office of the undersigned, it shall be binding on him/her and he/she shall not be able to withdraw or amend the offer.
- 16) The Registrar, Gujarat Technological University, Ahmedabad also reserves the right to obtain the Instrument/s specification by negotiations from one or more of the tenderer, if in case the rates, quality, make, specifications or other terms and conditions etc. of tenderer are not found suitable, to Gujarat Technological University.
- 17) The University may arrange for a Technical Discussion meeting of the bidders preferably with the experts and/or of Advisory Committee Members of Gujarat Technological University, Where specifications offered by suppliers will be analyzed and clarifications, if any, sought. The exact date and time will be communicated to the bidders well in advance by Gujarat Technological University.
- 18) Tenderer shall make provision for imparting training to our technical team, faculty on operation and use of equipment, its accessories and software for the intended applications and troubleshooting repair and maintenance. Cost of such training (if any) and the details regarding the course covered and its duration should be specified. Specify component of free training, duration, location & number of years training available for academics.
- 19) Late, delayed, incomplete, conditional tenders and amendments & additions to tender after opening will not be accepted
- 20) Technical Bid Cover should contain
 - a. Original copy of Tender document along with attested copies of GST and CST Registration Certificate, Latest Income Tax return, other certificate documents as per check list.

- b. The details of turnover of tenderer for last three years, i.e 2017-18.2016-17 & 2015-16.
- c. Tenderer should also furnish the details of constitution of their firm, names and addresses of the Partners/ Proprietors/Directors and also the details of sister concerns if any. Also specify details or documents requested in Tender Enquiry.
- d. Details of Tenderer in prescribed Format (Annex-VI).
- e. All the annexures with duly signed and sealed.
- f. Earnest money deposit: 3% of estimated cost of instruments only in the form of a demand draft drawn on any nationalized bank payable at Ahmedabad to the Gujarat Technological University, Ahmedabad. Tenderer have to submit separate EMD for each instrument, tender without separate EMD will not be considered.
- g. Tenders are to be submitted in an Envelope, titled as "The Technical BID". This Envelope should be packed, sealed and be super-scribed as 'E - TENDER FOR PURCHASE OF DICFAB LAB INSTRUMENTS"
- 21) In case you are successful in getting the order, you shall be required to pay a sum 5% of the order value to the Gujarat Technological University, as security Deposit for the due performance of the contract. This Deposit is to be paid by Demand Draft only. If the tenderer fails to comply with the above requirements within the said period the earnest money already deposited by him/them shall be applicable for forfeiture and the university shall purchase the services required at the risk and cost of the successful tenderer.
- 22) **VALIDITY OF TENDER:** Tenderers are requested to note that their offer must be valid for acceptance minimum for a period of 90 days from the date of opening of tender. Offer with less validity period will be rejected.
- 23) Technical Literature/Descriptive Catalogue/Pamphlets: The vendors should submit their offer along with relevant Technical Literature/Descriptive Catalogue/Pamphlets along with their technical bid. In the absence of the above details of items offered may not be considered. The preference will be given to the party decided by the university authority without mentioning any reason. The decision of the university authority will be considered as final.

24) Payment Terms:

There is no any partial payment. 100 % payment will be done after successful delivery and installations of items.

25) Opening of Tender

You are at liberty to be present or authorize your representative to be present at the opening of the tender at the time and date specified in the schedule.

27) Installation and Maintenance:

a. The tenderer shall be responsible for installation of the equipment at destination site and for making it fully operational. The supplier should submit the complete documentation of installation and maintenance manuals with the delivery of Instrument.

28) Penalty in case of the default.

- a. The offer of the vendors should include the cost of installation. In case of delay on the part of the vendor, penalty of 0.5 % per week of the total order value will be deducted from the supplier's bill subject to maximum of 5% without prejudice to other terms & conditions of the order. The tenderer shall be responsible for installation of the equipment at destination site and for making it fully operational. The University reserves, its right to get the work done by any other Supplier at the cost & risk of the Supplier under such circumstances.
- b. For not maintaining quality of instrument/s and spare parts mentioned in the tender documents the

University shall deduct penalty. The penalty charges will be decided by the University. If purchase from other vendor, cost of purchase will be recovered.

c. In case of a refusal to execute the work by the successful bidder, the security deposit shall be forfeited and legal action shall be taken.

29) Guarantee/Warranty:

- a. The tenderer has to quote the guarantee / warrantee in technical bid.
- b. The warranty will be started from the date of successful installation of instrument.

<u>Annexure – 1 (Technical Specification)</u>

The Tenderer have to quote the specific instrument/s according to the technical specification as below.

<u>Sr</u>	<u>Instrument Name</u>		Specifications
No.			
<u>1.</u>	Laser cutting machine (CO2 Laser Cutting		
	and Engraving	Description	Specification
	Machine SIL 6090)	Standard	BIS
		Max working area(mm)	900*1300
		Laser power	100W
		Laser Types	Hermetic And Detached CO2 Laser Tube
		Engraving speed(mm/min)	0-75000
		Cutting speed(mm/min)	0-40,000
		Minimum letter	English 1 x 1mm
		Location precision	≤0.01mm
		Resetting positioning Accuracy	0.01mm
		Driving system Stepper	
		Software Lasercut 5.3 or RDworks V8 (co with Corel draw & AutoCAD)	
		360°slope engrave	Yes
		Power supply AC	220V/50Hz ~ 60HZ (110V is also available)
		Operating temperature	0 - 45°C
		Operating humidity	5 - 95%
		Graphic format supported	BMP, CIF, JPEG, TGA, TIFF, PLT, AI, DXF, DST (TIANDAO Embroidery Software), DWG, CDR
		Available materials	Acrylic, PVC, rubber sheet, plastic, crystal, glass, wood, bamboo, oxhorn, figuline, marble, leather, cloth, double-color board, etc. nonmetal materials
		Application	Arts and crafts, toys, textile garment, leather, car, mechanism, electron, building upholster, timekeeper and jewelery industry

making marking / Engraving	Description	Specification
Engraving		~pecification
	Type of Operation of PCB Machine	
	Capacity of Machine for fabrication of double side PCB	Yes
	Tool Change operation	Manual
	Number of Automatic Tool Change Positions available	NA (For Manual)
	The operations performed by the Machine	Drilling, Engraving, Routing
	Surface inspection feature to check uniformity of Surface	No
	Drill Depth Sensing and Adjusting Feature	Yes
	Availability of Built in camera function	No
	Available software for import of design made	Gerber
	Working area X Axis in mm	up to 200
	Working area in Y Axis in mm	up to 200
	Working Area z Axis in mm	up to 10
	Resolution in micrometer	6
	Size of Tool holder/ Collet in inches	ONE BY EIGHT
	Minimum Trace Width in mm	0.2
	Capacity of Machine for fabrication of double side PCB	Yes
	Tool Change operation	Manual
	Number of Automatic Tool Change Positions available	NA (For Manual)
	The operations performed by the Machine	Drilling, Engraving, Routing
	Surface inspection feature to check uniformity of Surface	No
	Drill Depth Sensing and Adjusting Feature	Yes
	Availability of Built in camera function	No
	Available software for import of design made	Gerber
	Working area X Axis in mm	up to 200
	Working area in Y Axis in mm	up to 200
	Working Area z Axis in mm	up to 10
	Resolution in micrometer	6

		Angle of engraving bit in d	Angle of engraving bit in degree				
		Diameter of routing bit in 1	1				
		Quantity of Routing Bit	Quantity of Routing Bit				
			Machine shall be supplied with suitable				
		enclosure to reduce sound		Yes			
		Interface with PC available	e with machine	USB			
		Tool length detection featu	ıre	Yes			
		Auto Bit Protection feature	2	Yes			
		Input Power Supply In vol	ts	230 Volts 50 Hz			
		Operating Temperature		0 to 40			
		Operating Humidity		90%			
		No of Single Sided PCI	B Supplied with	4			
		Machine	• •				
		No of Double Sided PCB	Supplied with the	4			
		Machine					
3	16 inch Scroll Saw						
	Electric operated Scroll Saw	Description	Specification	n			
	Scroll Saw	Power Input	85 W				
		Frequency	50 Hz				
		Voltage	230 V				
		No Load Speed	1440 rpm				
			1				
4	Wood turning Lathe						
		Description	Specification				
		Parameter					
		Length of Bed	(1370/54"), (18	25/72"), (2435/96")			
				5/8.5"), (215/8.5")			
		Hieght of centres (165/6.5"), (203)		3/8"), (203/8")			
		Admit between centres	(760/30"), (122	0/48"), (1830/72")			
		Approx. Spindle Speed - (700/1400/2800), (700/1400/2800),			
		RPM	(700/1400/2800				
	i			(190/7.5"), (190/7.5")			
		Power required HP/RPM Approx. wt. of machine -	(1/1440), (1/144				

<u>5</u>	CNC Router		
	1300*2500*200mm	Description	specification
		X*Y* Z Working Size	1300mm*2500mm*200mm
		Idling Speed	≥50000mm/min
		Working Speed	≥30000mm/min
		Repositioning Accuracy	0.02mm
		Spindle Running Speed	0-18000rpm
		Machine body and working	T-slot and aluminium table, Steel gantry table
		Work holding	By clamps
			PMI 25 linear square guide rail on X,
		Transmission	PMI 25 linear square guide rail on Y,
		system	Ball screw transmission on Z
			5.5 KW HSD spindle
		Spindle	Delta
		Collet diameter	Ø3.175-Ø12.7mm
		Drive system	Stepper motor and lead shine driver
		Control System	DSP A11
		Working Voltage	AC220V±30V, 50HZ
		Command Code	G Code, (*.nc*.mmg, *.u00,etc), *.eng
		Working Software	Windows98/XP/7
		Compatible Software	Type3/Artcam/UcancamV9/ Coreldraw/Autocad
<u>6.</u>	Vertical Hexo cutting Machine	Description	specification
	1724CHIIIC	Machine Type	Semi -Automatic
		Dimension(L*W*H)	2600 x 1600 x 1650 mm
		Air Pressure	5-8 kg/cm2
		Minimum Order Quantity	1 Piece

7	3D Scanner	Description	Specification
		Operating range	Min: 0.2m; Max: 1.6m
		Operating temperature	10-40° C
		Maximal image throughput	30 fps
		Depth image size	640(w) x 480(h) px
		Spatial x/y resolution @	
		0.5m	0.9mm
		Color image size	1920(w) x 1080(h) px
		USB cord length	6 feet
		Depth resolution @ 0.5m	1mm
		Scan volume	Min: 0.2m x 0.2m x 0.2m ;Max: 2m x 2m x 2m
		Supported operating systems	64-bit Windows 8 or later
			Horizontal: 45°
			Vertical: 57.5°, Diagonal: 69°
		Field of view	
		Dimensions	5.08(w) x 7.08(h) x 1.3(d) inches
			12.9(w) x 17.8(h) x 3.3(d) cm
		Warranty	1 year
8	3D Doodler		
		Description	Specification
		Weight	236 g
		Product Dimensions	14 x 3.2 x 3.2 cm
		Batteries	1 Lithium Polymer batteries
		Material Type(s)	Plastic

Annexure - II

CHECK LIST FOR TENDERER TO BE SUBMITTED ALONGWITH TENDER

The following documents are attached with the tender:

1.	Please give the Page No. to entire set of Tender and	•	Yes / No.	Total
	documents enclosed with it and sign on each page of			Page No
	Tender document.			
2.	Please confirm following:	:	Yes / No.	Page No
	Whether EMD and Tender Fee in form of Demand			
	Draft are placed in separate cover?			
	Whether copy of GST Registration / Provisional			
4.	Registration (if Applicable) & PAN NO is attached?	:	Yes / No.	Page No
	Whether copy of self-declaration regarding non-default			
	in any statutory obligation / liability is attached?			
5.		:	Yes / No.	Page No
6.	Whether copy of Income-Tax return /assessment	:	Yes / No.	Page No
	order of last year is attached			
	Whether Turnover detail/ balance sheet of last three			
7.	year is attached?	:	Yes / No.	Page No
8.	Whether all annexure as per tender are attached?	:	Yes / No.	Page No
	Whether the existing user (at least 3) list with contact			
9.	details is attached?	:	Yes / No.	Page No
10	Valid Authorization certificate from Manufactures	:	Yes / No.	Page No
11	Any Other details		Yes/No	Page No

N.B. All photocopies of documents must be self-attested by authorized person.

Signature:		
NAME:	 	
Designation: _		

Annexure - III

I / We	
	(Name of the Tenderer)
	undertake to supply tender requirements to your Tender Enquiry conditions of the tender enquiry as well as invitation to tender and
Place:	Signature:
Date:	Name:
	Designation:
	Stamp of the firm

$\underline{Annexure-IV}$

DECLARATION

We solemnly declare that we have attached all the documents mentioned here above and mentioned in the tender. We also understand that non-compliance of any documents will be treated as non-respective tender and we will lose our claim to participate in the tender enquiry automatically and our tender will be liable to rejected.

Signature of Authorized Person :

Name of the Authorized Person :

Seal of the Company :

Rs. 50/- Stamp Paper	Annexure – V
ī	Declaration
	do hereby declare that our enquiries/cases are pending against us by Govt. of
	ny State Board/Universities, since inception of the
firm/company.	my state Board/Oniversities, since inception of the
•	pove declaration proves to be wrong /incorrect or
	et stands to be cancelled / terminated.
misseumig our tender/contrac	
	Signature of Authorized person

tender document

FORM – I (<u>TECHNICAL BID</u>)

Enclosed following documents / mentioned in Tender Bid.

1.	Tender Document	:	Downloaded and duly signed
2.	E.M.D. and Tender fee paid	:	Mention Yes/No (D.D. shall be put in
	a) Name of Bank		EMD cover)
	b) Please state whether Nationalized Bank or		
	Schedule Bank		
3.	Literature		
4.	Tender validity	:	
5.	Place of Inspection	:	
6.	Details of specifications	:	
7.	Income-Tax Return document submitted	•	
8.	Delivery Period	:	
9.	Payment Conditions		
	Please stated here that whether the Instruments		
10.	you have offered are as per Tender	:	
	specifications in all respect or as may YES or		
	NO		
11.	FOR delivery your rates are on FOR	:	
	destination basis inclusive of insurance charges		
12.	Name of Proprietor/Partner/Director with Full	:	
	Residential address and telephone No. Fax No,		
	etc.		
13.	Have you submitted all documentary evidence	:	
	dully attested.		

Signature:		
NAME:		
Designation:		

Annexure - VI

Details of Tenderer

- 1. Name of the Vendor
- 2. Registered Office
- 3. Working Place of the vendor :
- 4. Year of Establishment :
- 5 Type of Firm (Proprietorship, Partnership, Pvt. Ltd. or Ltd. Co.)
- 6 Name, Address and Telephone number of Responsible person (R):
 Phone with STD code (M):
- 7 E-mail address :
- 8 Details of E.M.D.

D.D. No.

Date

Name of Bank

- 9 Factory Act Registration No. (You have to enclose certified copy of Registration letter)
- 10 Permanent Account No. (Income Tax) (Enclose Certified PAN CARD) copy
- 11. Total Annual Turnover for Last Three Years (Enclose Certified Copies):

Year	Rs. In figures	Rs. In words
2015-16	Rs.	Rs.
2016-17	Rs.	Rs.
2017-18	Rs.	Rs.

Note: For above details, attach separate sheet if required

Place:

Date: Seal and Signature of Authorized person

Annexure - VII

E-Tender No: 5 /2019-20

Commercial Bid

(To be submitted online only)

Instrument No.	Name of Instrument	Quantity	Price
1	Laser cutting machine	1	To be submitted On line only
	(CO2 Laser Cutting and		
	Engraving Machine)		
2	Roland make PCB Making	1	To be submitted On line only
	marking/ Engraving		
3	16 inch Scroll Saw Electric	1	To be submitted On line only
	operated Scroll Saw		
4	Wood turning Lathe	1	To be submitted On line only
5	CNC Router	1	To be submitted On line only
	(1300*2500*200mm)		
6	Vertical Hexo Cutting	1	To be submitted On line only
	Machine		
7	3D Scanner	1	To be submitted On line only
8	3D Doodler	1	To be submitted On line only

Note: -

- Rates must be inclusive of all taxes, freight insurance, transportation, supply, installation training & etc. to the IIT Shed, Gujarat Technological University Campus, Chandkheda,Ahmedabad.
- Lowest price (L1) will be considered Instrument wise.