

NOTICE INVITING TENDER

No. IEI/TSC/TECH/2(51)/2019-20/952

Dated: 06.03.2020

Name of Work: Tender for Supply, Installation and Commissioning of Desktop Personal Computers

Sealed Tenders in Single Stage two Envelope bid system are invited for Supply, Installation and Commissioning of Desktop Personal Computers as per enclosed specifications.

1. The tender document can be downloaded from the website of the Institution (<http://www.ieitripura.org>) for which interested resourceful and bonafied bidders be required to enclose a demand draft of **Rs. 200/** - in favour of **“The Institution of Engineers (India), Tripura State Centre”**, payable at **Agartala**, towards the cost of the tender document along with their quotes, failing which the tender shall be out summarily rejected. This demand draft of **Rs. 200/** - non-refundable.
2. The sealed tenders are to be submitted in prescribed format duly signed and dated on each page of Part 'A' & 'B' as their unconditional acceptance to the terms prescribed by the Institution. Details/ supporting documents wherever applicable, if attached with the tender should be duly authenticated by the vendor(s). No over-writings shall be accepted unless authenticated with full signature of the vendor(s).
3. The tender shall be in two parts viz. Technical Bid (Part – 'A') and Financial bids (Part – 'B') (Envelope 'A' and 'B' with the content shall be clearly marked on the top of the envelopes separately). Technical Bid (Envelope – 'A') shall comprise of compliance documents against Qualification Requirement, Earnest money Deposit of **Rs. 5,000/-** and Cost of Tender document of **Rs. 200/-** in the form of two separate demand draft in favour of **“The Institution of Engineers (India), Tripura State Centre, “payable at Agartala**, GST Registration certificate, Company Profile and any other document in support of technical capability. The Technical bid should not contain any financial indication, violation of which will invite disqualification. Financial bid shall comprise of quoted price (both in Words & Figures) only in the format provided with the tender document in Envelope - 'B'. Both Envelope - A & B shall be put in a third envelope, sealed and submitted within the prescribed date & time and with signature of the tender applicant over it.
4. The sealed tender duly superscribed “Tender for Supply, Installation and Commissioning of Desktop Personal Computers” with Tender No. IEI/TSC/TECH/2(51)/2019-20/952 dated 06.03.2020 should be addressed to **Honorary Secretary, IEI, Tripura State Centre** sent at the Institution's address either by registered post/speed post/or by hand so as to reach to IEI Office by **04.00 PM of 13.03.2020**. Postal / Couriered tender must reach to this office within time and date i.e., up to **04.00 PM of 13.03.2020**.
5. Tenders received after the stipulated date and time shall not be entertained. The Institution shall not be liable for any postal delays what so ever and tender received after the stipulated time /date are liable to be rejected summarily without giving any reason and any correspondence.

Signature of Honorary Secretary

Signature of Bidder

TENDER DOCUMENT

1. Name of the Work : Supply, Installation and Commissioning of Desktop Personal Computers
2. Place : **The Institution of Engineers (India), Tripura State Centre, Pandit Nehru Complex, Gurkhabasti, P.O.-Kunjaban, Agartala, West Tripura – 799006**
3. Cost of Tender Document: **Rs 200/-** (Rupees two hundred only) in the form of Demand Draft in favour of “The Institution of Engineers (India), Tripura State Centre” payable at Agartala. This demand draft of Rs. 200/- is non-refundable.
4. Earnest Money Deposit : **Rs 5000/-** (Rupees five thousand only) in the form of Demand Draft (EMD) in favour of “The Institution of Engineers (India), Tripura State Centre”, payable at Agartala.
5. Last date and time for Submission of Tender : **04.00 PM of 13.03.2020**
6. Opening of the Tender : **At 06.00 PM of 13.03.2020** in presence of the Office Staff and intending bidders who like to remain present, failing which the tenders will be opened in the next working day at 06.00 PM

Signature of Honorary Secretary

Signature of Bidder

General Terms and Conditions

1. The price shall include all taxes, duties, levies, delivery charges; installation charges etc and no additional payment shall be admissible on any way
2. The bidder has to enclose an EMD of **Rs. 5000/-** in the form of Demand Draft in favour of “**The Institution of Engineers (India), Tripura State Centre**”, Payable at **Agartala**, along with tender. In case of non-execution of the order by the successful bidder, the EMD will be forfeited. The earnest money deposited by unsuccessful bidders will be refunded on finalization of tender and issuance of Work Order to the successful bidder. However, EMD of successful bidder shall be retained as Performance Guarantee for one year.
3. Standard LD Clause of delay in supply @2% per week or part thereof subject to maximum of 10% of the total order value will be applicable.
4. IEI reserves the right to reject any or all tenders without assigning any reason whatsoever.
5. Warranty: 3 (Three) Years Comprehensive onsite warranty for PCs.
6. Delivery within 30 days from date of placing the work order.
7. Payment 100% after Supply, installation and commissioning and submission of invoice in original.
8. IEI reserve the right to select the Vendor for placing Work Order.
9. Security Deposit @ 5% of the bill value will be deducted from the Bill (s). EMD of Rs. 5000/- will form part of the Security Deposit. Security Deposit so deducted will be released after 1 (one) year of the completion of the Work.
10. The successful bidder shall enter into an agreement with The Institution of Engineers (India), Tripura State Centre.
11. The specification of different items shall be as per Annexure – II.
12. The lowest bid after considering all items, quantity and respective quoted rates of eligible qualified bidders shall be considered to select the successful bidder.
13. The Institution of Engineers (India), Tripura State Centre reserves the rights to take supply of different items indicated in Part – B (Financial Bid) on higher or lower side.
14. The successful bidders shall obtain the approval of the make list and specifications of different items from Honorary Secretary, IEI, Tripura State Centre in advance before his procurement of different items for the supply to IEI, Tripura State Centre. The Institution of Engineers (India), Tripura State Centre shall take the supply of different items only in good condition and as per specification mentioned in the bid document.
15. The interested bidders shall visit the location of the computer hall in The Institution of Engineers (India), Tripura State Centre to take the idea for installation of LAN connectivity in/c Smart Switch etc. in between 01.00 PM to 08.00 PM of working days. The execution of this item of LAN connectivity will be a single job for the connection of all PCs, Printer, UPS to be installed as per requirement and payment for the same will be made considering one job only.

Qualification requirement of Bidders to be enclosed with Technical Bid

1. Authorisation of Original Equipment Manufacturer (OEM)
2. Preferred Micro, Small and Medium Enterprise Development (MSMED)
3. Trade License.
4. Registration details of Firm / Bidder.
5. Registration of GST
6. Upto date GST Return copy.
7. Annual Turnover of minimum of Rs. 75.00 lakhs in any of the last 3 financial years, duly to be authenticated by a Chartered Accountant.
8. Successful Completion Certificate from the employer regarding supply / installation of Computers & relevant accessories of minimum value worth Rs. 10.00 lakh in single **supply order / work order** in preceding 3 Financial Years or Current Financial Year. The copy of the Supply Order / Work Order also to be enclosed.

Signature of Honorary Secretary

Signature of Bidder

PART –A (Contents of Envelop – ‘A’)

TECHNICAL BID (Page 1 to 11 + Necessary Attachments)

DOCUMENTS TO BE SUBMITTED

(Necessary documents wherever required are to be submitted as proof of credential etc.)

1. Manufacturer’s Authorisation Form (MAF) to be submitted for DELL / HP / Lenovo for computers and APC / E&C for UPS (Documentary proof to be enclosed).
2. Preferred Micro, Small and Medium Enterprise Development (MSMED) certification of the bidder.
3. Bidder or OEM must not be blacklisted at IEI or any Government or Semi Government organization in the Country. One undertaking has to provided in the Declaration Format provided in Annexure - I
4. Technical Catalogue / Brochure / Specification should be enclosed without fail for quoted equipment/devices.
5. Photocopy of GST Registration Certificate to be enclosed.
6. Demand Draft for **Rs. 200/-** in favour of **“The Institution of Engineers (India), Tripura State Centre, payable at Agartala** as cost of the tender document.
7. Demand Draft for **Rs. 5000/-** in favour of **“The Institution of Engineers (India), Tripura State Centre, payable at Agartala** to be attached as EMD.
8. Annual Turnover of minimum of Rs. 75.00 lakhs in any of the last 3 financial years, duly to be authenticated by a Chartered Accountant.
9. Company profile and signed tender document.
10. Registration details of Firm / Bidder.
11. Trade License.
12. Successful Completion Certificate from the employer regarding supply / installation of Computers & relevant accessories of minimum value worth Rs. 10.00 lakh in single supply order / work order in preceding 3 Financial Years or Current Financial Year. The copy of the Supply Order / Work Order also to be enclosed.

Signature of Honorary Secretary

Signature of Bidder

Specification**1. Technical Specification for Entry Level Desktop Personal Computer (PC) – HP/DELL/LENOVO**

SL #	Component	Description
1	Processor	9th Generation Intel Core i3-9300 or higher
2	Chipset	Latest Generation Intel business class Chipset (B360/B365/H370/Q370 or higher) compatible with the above processor.
3	Motherboard	Motherboard make from the same Desktop OEM (OEM logo must be embossed in the motherboard)
4	Memory	Minimum 4 GB memory support for memory expandability up to 32 GB or higher
5	RAM Type	DDR4 with 2666 MHz or higher.
6	Optical Drive	Internal DVD R/W drive
7	DIMMs & Expansion Slots	2 DIMM slots or higher , minimum 4 PCIe series expansion slots or higher and minimum 2 x M.2 slots.
8	Hard Disk Capacity (7200 RPM or higher)	One single disk of Min 1 TB - 7200 RPM or higher
9	Graphics	Integrated Graphics (UHD / 4K).
10	Network	10/100/1000 on-board integrated Network Port.
11	USB / HDMI / VGA Ports	Integrated USB Port : Minimum 8 no's (Min 4 no's of 3.1 Gen-1), out of 8 Nos minimum 4 in front, 4 in back and should be easily accessible.
		Integrated HDMI Port : Minimum 1 no; Should be easily accessible.
		Minimum 1x Integrated VGA / Display Port
12	Audio	Integrated Audio controller with Internal speaker
13	Cabinet	Tool less chassis with 15 liters or lesser in volume.
14	SMPS	Minimum 230 Watt or above (85% efficient Power Supply) Should be capable of supporting fully configured PC.
15	Operating system	Windows 10-Professional 64 Bit to be preloaded with latest build along with recovery media
18	Security	Hardware based TPM 2.0 , chassis Intrusion switch / Intrusion Sensor with chassis physical security cable lock slot.
19	Monitor / Display	Minimum 19.5'' or higher should have at least 1 x VGA , 1x Display port (CPU & Monitor must be of same OEM make)
21	Keyboard	Standard full size keyboard with ₹ symbol (Same desktop OEM make)
22	Mouse	Standard USB Optical scroll mouse (Same desktop OEM make)
24	Production Unit, Certification and Compliance	Windows 10 Professional and Ubuntu Linux Certification for the quoted desktop model
		EPEAT India for the quoted desktop model
		FCC , UL and ROHS for the quoted desktop model.
		Minimum Energy Star 6.0 / BIS & TCO Certification for Monitor and quoted Desktop model
		OEM ISO 9001 and 14001 Certified India Unit (Proof of Certification of India unit to be submitted).
25	Warranty	3 years onsite comprehensive OEM warranty (OEM supplied model warranty must be visible in the website in respect to each product serial number)
26	Manufacturer Criteria (OEM)	Minimum 10 Years presence in India.OEM letter confirming that Operating system pre-loaded / pre-installed from OEM factory and service request would be placed directly with the Desktop OEM for the duration of warranty.

Signature of Honorary Secretary

Signature of Bidder

2. Technical Specification for High Level Desktop Personal Computer (PC) – HP/DELL/LENOVO

SL #	Component	Description
1	Processor	9th Generation Intel Core i7-9700 or higher
2	Chipset	Latest Generation Intel business class Chipset (B360/B365/H370/Q370 or higher) compatible with the above processor.
3	Motherboard	Motherboard make from the same Desktop OEM (OEM logo must be embossed in the motherboard)
4	Memory	Minimum 8 GB memory + 16 GB Optane memory support for memory expandability up to 32 GB or higher
5	RAM Type	DDR4 with 2666 MHz or higher.
6	Optical Drive	Internal DVD R/W drive
7	DIMMs & Expansion Slots	2 DIMM slots or higher , minimum 4 PCIe series expansion slots or higher and minimum 2 x M.2 slots.
8	Hard Disk Capacity (7200 RPM or higher)	One single disk of Min 1 TB - 7200 RPM or higher
9	Graphics	Integrated Graphics (UHD / 4K).
10	Network	10/100/1000 on-board integrated Network Port.
11	USB / HDMI / VGA Ports	Integrated USB Port : Minimum 8 no's (Min 4 no's of 3.1 Gen-1), out of 8 Nos minimum 4 in front, 4 in back and should be easily accessible.
		Integrated HDMI Port : Minimum 1 no; Should be easily accessible.
		Minimum 1x Integrated VGA / Display Port
12	Audio	Integrated Audio controller with Internal speaker
13	Cabinet	Tool less chassis with 15 liters or lesser in volume.
14	SMPS	Minimum 230 Watt or above (85% efficient Power Supply) Should be capable of supporting fully configured PC.
15	Operating system	Windows 10-Professional 64 Bit to be preloaded with latest build along with recovery media
18	Security	Hardware based TPM 2.0 , chassis Intrusion switch / Intrusion Sensor with chassis physical security cable lock slot.
19	Monitor / Display	Minimum 23.9" or higher should have at least 1x VGA port ,1x HDMI port and 2 x 1W internal speakers (CPU & Monitor must be from same OEM make). Monitor stand capable of Tilt and height adjustable option.
21	Keyboard	Standard full size keyboard with ₹ symbol (Same desktop OEM make)
22	Mouse	Standard USB Optical scroll mouse (Same desktop OEM make)
24	Production Unit, Certification and Compliance	Windows 10 Professional and Ubuntu Linux Certification for the quoted desktop model
		EPEAT India for the quoted desktop model
		FCC , UL and ROHS for the quoted desktop model.
		Minimum Energy Star 6.0 / BIS & TCO Certification for Monitor and quoted Desktop model
		OEM ISO 9001 and 14001 Certified India Unit (Proof of Certification of India unit to be submitted).
25	Warranty	3 years onsite comprehensive OEM warranty (OEM supplied model warranty must be visible in the website in respect to each product serial number)
26	Manufacturer Criteria (OEM)	Minimum 10 Years presence in India.OEM letter confirming that Operating system pre-loaded / pre-installed from OEM factory and service request would be placed directly with the Desktop OEM for the duration of warranty.

Signature of Honorary Secretary

Signature of Bidder

3. Technical Specification for Printer

1. Printer Type : Inkjet;
2. Functionality : All-in-One (Print, Scan, Copy);
3. Printer Output : Color
Connectivity : Wi-Fi, USB, Network;
4. Compatibility : Windows 10 / 8.1 / 7
5. Pages per minute : 13.0 ipm (Black & White), 6.8 ipm (Colour) - As per ISO Standards
6. Page size supported : 4.0"x6.0" till A4 / Letter / Legal / A5 / B5 ;
7. Duplex Print : Manual;
8. Print resolution : 4800x1200

Signature of Honorary Secretary

Signature of Bidder

4. Technical Specification for UPS (APC / E&C)

No	PARAMETERS	SPECIFICATION
1	INPUT VOLTAGE	
	UPS Capacity	5.5KVA
	Input Voltage	230V AC
	Voltage Range	145V to 280V AC
	Frequency	45Hz to 55 Hz
	Phase	Single Phase
	Isolation transformer	Required - Built-In
2	OUTPUT	
	Output Voltage	230V +/- 1%
	Frequency	Synchronised range 46Hz to 54Hz
	Free running	50Hz +/- 0.5Hz
	Wave Form	Pure Sine Wave
	Crest Factor	03:01
	Power Factor	0.8
	Protection	Input Over/Under Voltage
		Over Load
		Short Circuit & Over Temperature
		Battery Voltage Low/High
		Output Voltage Low/High,
3	Harmonic Distortion	< 2% at Linear load
		<4% at Non linear load
4	Indication LED/LCD	Mains ON / Bypass ON/ Invertor ON
		Load on Battery, Load Level,
		Battery charge level bar graph
		Over load/ Battery Low & Fault
5	Display Parameters	I/P Voltage & Frequency
		O/P Voltage & Frequency
		O/P Load % , battery Voltage
6	BATTERY	
	Battery (DC)	192V DC
	Battery AH rating	12480 VAH
	Battery make	Amararaja Quanta/Exide Powersafe
7	ALARM	
	Battery Mode	Beeps every 4 seconds
	Battery Low	Beeps every second
	Over Load	Beeps twice every second
	Fault	Continuously beeping
8	GENERAL	
	Serial communication	RS 232
	Temperature range	0 deg C to 45 deg C
	Ventilation	Forced Air Cooling
	Relative Humidity	< 90% (non condensing)
	Protection degree	IP 20
	Altitude	< 1000m above sea level
	Acoustic Noise	< 55 dB

Signature of Honorary Secretary

Signature of Bidder

5. Technical Specification for Computer Table

1. Size : 30” (L) x 20” (B) x 30” (Height);
2. Material : Pre-Laminated Particle Board / Wooden;
3. Drawer : To be fixed at standard height with the arrangement of sliding devices for keyboard and other facilities.
4. Roller : 4 nos.

6. Technical Specification for Revolving Computer Chair

- a. Seat & Back Assembly : The seat and back shall be made of PU foam of density 45 ± 2 Kg/m³ upholstered with changeable fabric upholstery covers (as per requirement). Back Size: 480 mm. (W) X 550 mm (H) Approx. Seat Size: 480 mm (W) X 550 mm. (D) Approx.
- b. Base : Five prong made of black color reinforced PU plastic with Nylon wheels and pneumatic up & down with one point locking mechanism.
- c. Handle armrest : The armrest shall be gas-assisted injection molded from black polypropylene.
- d. Revolving & tilt : Chair should have a full 360o revolving mechanism with 17 deg. maximum tilt only and tilt tension adjustment facility
- e. Height of chair : Maximum and minimum height is approx. is 930mm and 830 mm respectively
- f. Powder coating : Other visible metal parts and seat base support metal parts should be powder coated with dry film thickness more than 50 microns, Salt Spray test to withstand more than 1000 hours, Pencil scratch hardness more than 2H, Adhesion as per DIN 53152 Standards. The powder coating shall be of good quality (7 process) to ensure good adhesion of life of the coating
- g. Colour of seat upholster : The color of seat fabric shall be as per requirement of IEL, Tripura State Centre.
- h. Fabric : Composition, Surface – 100% Polyamide, Substrate - 65 % (polyester) 35% (cotton) Fabric shall have quality of user friendly for maintain cleanliness by simple vacuuming.

Signature of Honorary Secretary

Signature of Bidder

7. LAN Connectivity i/c Smart Switch

- 24RJ-45 connectors for 10BASE-T/100BASE –T with 4 shared Gigabit SFP slots
- Console port
- Auto medium dependent interface (MDI) and MDI crossover (MDI-X)
- Auto negotiate / manual setting
- RPS port for connecting to redundant power supply unit.
- LAN cabling with IO box

Signature of Honorary Secretary

Signature of Bidder

DECLARATION

**To
The Honorary Secretary
The Institution of Engineer (India)
Tripura State Centre
Pandit Nehru Complex, Gurkhabasti, P.O.-Kunjaban, Agartala,
West Tripura – 799006**

Dear Sir,

I / We have carefully gone through the Term & Conditions contained in the Tender Document No. regarding Supply, Installation and Commissioning of Desktop Personal Computers.

I / We hereby declare that I / We and our company / organization has / have not been debarred/blacklisted by any reputed Government/Semi Government organization/University for quality/service products nor is there any pending dispute regarding short shipment/installation/service. We further certify that I am an authorized signatory of my company / organization and I am, therefore, competent to make this declaration.

Yours truly,

Name:

Designation:

Company:

Address:

Part – B (Contents of Envelop – ‘B’)

Financial Bid (Page – 12)

Name of Work: Supply, Installation and Commissioning of Personal Computers (Desktops)

Installation, testing, commissioning, and integration of the components/equipment (including OS) are to be done by supplier(s) at Computer Hall of The Institution of Engineers (India), Tripura State Centre.

The rate should be inclusive of all taxes

Sl. No	Description of Item	Qty	Unit	Rate (Rs.) per unit		Total
				In Figures	In Words	
1.	Entry level Desktop PCs	10	no.			
2.	High end Desktop PCs	2	no.			
3.	Printer	1	no.			
4.	UPS	1	no.			
5.	Computer Table	12	no.			
6.	Revolving Computer Chair	12	no.			
7.	LAN Connectivity	1	job			
Grand Total						

NOTE: 1. Quoted Rate (s) shall be inclusive of all taxes and duties on date,

2. Necessary required tax will be deducted at the time of payment at the prevailing rates as per norms.

3. Specification of items shall be as per Annexure – II.

Name :

Designation :

Signature :

Company's Name :

Address :

Phone No. :

E-mail :

Date :

Signature of Honorary Secretary

Signature of Bidder