

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY MANIPUR
Mantripukhri, Imphal -795002, Manipur, India.



From:
Prof. A.K. Das
Interim Director
IIIT Manipur
Email: teqip@iiitmanipur.ac.in

To,

All
Interested Vendors

Ref. No: IIITM/TEQIP/COM/01/2017-18 Dt.25.11.2017

SUBJECT: Notice inviting quotation for supply & installation of various items including 01 nos. of Laptop, 03 nos. of Inkjet Printer, 02 nos. of Color Laser A4 printer, 01 nos. of 2U rack server, 04 nos. of 1TB external storage, 02 nos. of 3TB external storage, (42 +2) nos. of computer, 04 nos. of Monitor and other items such as unmanaged switch, CAT6 cable, clamper and plug connector at IIIT Manipur, Mantripukhri, Imphal -795002, Manipur, India.

Dear Sir/ Madam,

The Interim Director, Indian Institute of Information Technology Manipur invites quotations for supply and installation of various Computer Items as per the detailed technical specifications mentioned in **Annexure – II (A, B)**, is to be submitted in sealed envelopes to the undersigned on or before **26.12.2017 (15.00 HRS)**.

Tender document is divided into four parts i.e.

- 1) Instruction to Bidders,
- 2) Terms & Conditions (ANNEXURE - I)
- 3) Technical specification of the required item (ANNEXURE – II)
- 4) Compliance Certificate (ANNEXURE-III)
- 5) Format for Performance Bank Guarantee (ANNEXURE - IV)

Kindly read the NIQ document carefully before participating. It shall be deemed that submission of bid by the bidder has been done after their careful study and examination of the NIQ terms with full understanding to its implications. Any lack of information shall not in any way relieve the bidder of its responsibility to fulfill its obligations under the Bid.

The Interim Director IIITM will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, the Purchase Order. Fraudulent Practice means a misrepresentation of facts in order to influence a procurement process and includes collusive practice among bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive IIITM of the benefits of free and fair competition. Corrupt Practice means of offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of this purchase execution.

In case of doubt please mail us at **teqip@iiitmanipur.ac.in**.

Thanking you.

Yours Sincerely,
Interim Director

I. INSTRUCTION TO BIDDERS:

A. Important date, time and place:

1. **Last date & time of submission:** 26-12-2017, 15:00 HRS
2. **Date & time of opening bid:** 26-12-2017, 15:30 HRS
3. **Place of opening bid:** Conference Room, IIIT Manipur
4. **Late and delayed tender:** Late and delayed tender will not be accepted.
5. **Unscheduled holiday:** In case any unscheduled holiday occurs on the prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.

B. Two Bids:

1. In two bids system quotations will have to be submitted in TWO PARTS i.e. (a) Technical Bid and (b) Price Bid, in two separate properly sealed covers; and both these covers will have to be again put in to a single sealed cover. Also, the address of the firm submitting the quotation and the Officer to whom the quotation is addressed, must appear distinctly on both the inner sealed covers, indicating also TECHNICAL BID/PRICE BID as may be applicable. Further, on both the inner sealed covers and the outer sealed cover, the following are to be written:

QUOTATION FOR SUPPLY OF(item name) NIQ Ref. No.
LAST DATE OF SUBMISSION: 26-12-2017(15:00 HRS)
To, The Interim Director, Indian Institute of Information Technology Manipur, Imphal -795002, Manipur, India. Email: teqip@iiitmanipur.ac.in
From: M/s _____ Phone No. : _____ Email ID : _____

2. **Submission of Compliance Certificate:** Duly filled and signed Compliance Certificate (as per format at **ANNEXURE III**) must be enclosed.
3. **Bid not transferable:** The bid documents are not transferable and the seal and signature of the authorized official of the firm's must appear on all the papers and envelopes submitted.
4. EMD 2% of the quoted value rounded off to nearest INR 100 through Demand draft in favour of IIIT Manipur;
5. In the part relating to Technical Bid, the vendor must provide the followings:
 - a. Details of the technical features of the offered equipment;
 - b. Standard technical literature on each of the items offered;

- c. Dealership certificate on the offered products in case of dealer/s;
- d. List of reputed organizations/institutions, where similar orders have been executed (copies of the purchase/work orders will have to be enclosed);
- e. Up-to-date GST Registration Certificate/Tax Clearance Certificate as per the prevailing norms will have to accompany the quotation to be submitted;
- f. Details of nature and maximum period of **warranty** offered by the vendor should be separately specified.
- g. After Sales Service: The name & address of the nearest available authorized service centre, to provide prompt on-site service at IIIT Manipur, should be stated in the quotation.
- h. A copy of the Price Bid, *WITHOUT THE PRICES*, will have to be provided as part of the technical bid document.

1. In the part relating to Price Bid, the vendor must provide the followings:

- i. Price inclusive of all charges must be in INR (₹) and should be on F.O.R, IIIT Manipur, Mantripukhri, Imphal -795002, Manipur, India.
Note: Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected. Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.
- ii. **Insurance:** If necessary the supplier is to establish Transit Insurance Covering All Risk up to 10 Days After Delivery.
- iii. Comprehensive Maintenance Contract (CMC) rate (after expiry of warranty period) is to be clearly indicated, *failure to which the offer may not be considered even if it turns out to be at the lowest price.*
- iv. Installation & commissioning charge (including Taxes), to be shown item-wise extra, if any.

II. ANNEXURE –I

TERMS & CONDITIONS: - Please note the term ‘both foreign & indigenous’ wherever mentioned means the term is applicable to both foreign & indigenous purchase.

- 1. **Rates:** Rates quoted for indigenous items should be on **FOR IIIT Manipur, on DOOR DELIVERY basis**, with break-ups as per details below (*For import items please refer ‘Additional Terms for imported goods’ below*).

Sl No	Particulars	Rate
i.	Basic Price (Ex work)	
ii.	GST	
iii.	Transportation Charge up to IIIT Manipur Premises	

iv.	Transit Insurance Covering All Risk up to 10 Days After Delivery	
v.	Installation & Commissioning Charge, if any	
vi.	Grand Total on Door Delivery at IIIT Manipur	
vii.	Comprehensive Maintenance Contract Rate (After expiry of warranty period)	

Note: Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected. Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.

2. **Validity of Quotation:** Quoted rates must be valid for **120 days** from the last date of submission of quotation.
3. **Performance Bank Guarantee:** In case of quotations having quoted value Rupees five lakhs (INR 5,00,000/-) and above, the successful bidder shall furnish an unconditional Performance Bank Guarantee (as per format at **ANNEXURE - IV**) valid till 60 (sixty) days after the warranty period from a scheduled Bank of India for 10% of the Purchase Order value within 21 days of placement of order failing which the contract shall be deemed as terminated. Where the performance bank guarantee is obtained by a foreign bank, it shall be got confirmed by a Schedule Indian bank and shall be governed by Indian Laws and be subject to the jurisdiction of courts at Imphal.
 - a. **By submitting the PBG, the vendor is understood to have guaranteed that,**
 - i. The Purchase Order (PO) shall be executed as per terms and conditions mentioned therein.
 - ii. The equipment shall function satisfactorily for a period up to 60 days after the warranty period.
 - iii. The equipment and components are free from poor workmanship, bad quality, and faulty designs.
 - iv. The vendor shall at his/their own cost rectify/replace the defects, if any, during the guaranteed period.
 - v. The guarantee is to the extent of 10% of the order value.
 - b. **Condition for invoking PBG:** In case of failure to comply with the guarantees above, IIITM may terminate the contract / purchase order in whole or in part and forfeit the PBG. In addition, IIITM may, at its discretion, procure upon such terms and in such manner as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier/vendor shall be liable to compensate IIITM for any extra expenditure involved.
4. **Warranty:** The quoted equipment’s and components must be warranted for a minimum of three years from the date of installation.
5. **Literature a must:** All the quotations must be supported by the printed technical leaflet/literature and the specifications mentioned in the quotation must be reflected/supported by such printed technical leaflet/ literature. The model and specifications quoted should invariably be highlighted in the leaflet/literature for easy reference.

6. **After Sales Service:** The name & address of the nearest available authorized service centre, to provide prompt on-site service at IIIT Manipur, should be stated in the quotation, without which their offers shall be liable for rejection.
7. **Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must enclosed valid dealership certificate.
8. **Quality Certificates:** Valid certificate to prove that the products are genuine and of International standard, as mentioned below, must be enclosed:
 - a. Manufacturer's certificate.
 - b. ISO/ISI certificate.
 - c. ASHRAE 110, as applicable
9. **Delivery:**
 - a. **Time Limit:** within 45 days from the date of receipt of PO
 - b. **Delivery on working days:** Delivery must be made on working days. IIIT Manipur shall not take or accept responsibility for items brought on holidays such as Saturday, Sunday and other declared holidays.
 - c. **Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of IIITM user/representative and vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with shall form the basis for certifying the receipt in good condition.
 - d. **Insurance:** If necessary the supplier is to establish Transit Insurance Covering All Risk up to 10 Days After Delivery.
 - e. **Part Delivery:** Part delivery is not allowed.
 - f. **Penalty Delay delivery:** The date of delivery should be strictly adhered to otherwise the Director, IIIT Manipur reserves the right not to accept delivery in part or full.
10. **Short Shipment** (Both foreign & indigenous): If any short-shipment etc. is noticed, the same will be arranged immediately with all charges to this effect to be borne by supplier/Indian agent.
11. **Genuine Pricing** (Both foreign & indigenous): Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold, particularly to IIT/IIIT/NIT and other Government Organizations. Copy of the latest price list for the quoted item, applicable in India, must be enclosed with your offer.
12. **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on IIIT Manipur.

13. **Entry Tax:** As applicable shall be paid by the supplier to the appropriate authority.
14. **GST:** GST as applicable shall be paid by the supplier to the appropriate authority.
15. **Late and delayed tender:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.
16. **Payment:**
- a. 100% Payment within 45 days from the date of successful delivery, installation and commissioning/ acceptance of goods at IIT Manipur, generally through A/c payee cheque.
 - OR
 - b. 90% Payment against delivery and 10% payment after successful installation and/ or commissioning of the ordered goods at site.
- Please note: As per Institute's norm advance payment is not allowed for indigenous purchase.*
17. **Quotation by Fax/Mail not Acceptable (Both foreign & indigenous):** The offers submitted by telex/ telegram/ fax/ E-mail etc. shall not be considered. No correspondence will be entertained on this matter.
18. **PENALTY FOR DELAYED DELIVERY:** In case of supply order for the equipments/ apparatus, the date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning i.e. after the expiry of the period as agreed by both the parties, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 10% (ten percent) as detailed below:
@1% up to one week;
@2.5% up to two weeks;
@5% up to three weeks;
@10% for four weeks and above
For the purpose of this clause, part of the week is considered as a full week. In case of delayed delivery, the Director, IIT Manipur reserves the right not to accept the subject consignment.
19. **Enquiry during the course of evaluation not allowed:** No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative (IIT Manipur) can make any

enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period notice, as such the bidders have to be ready for the same.

20. The acceptance of the quotation will rest solely with the Director, IIIT Manipur, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

21. **Force Majeure:** If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:

- c. Any law, statute or ordinance, order action or regulations of the Government of India,
- d. any kind of natural disaster, and
- e. strikes acts of the public enemy, war, insurrections, riots, lockouts, sabotage.

22. **Termination for default:** Default is said to have occurred.

- a. If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
- b. If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by IIIT Manipur.
- c. If the supplier fails to perform any other obligation(s) under the contract.
- d. Under the above circumstances IIIT Manipur may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, IIIT Manipur may at its discretion also take the following actions: IIIT Manipur may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate IIIT Manipur for any extra expenditure involved towards goods and services obtained.

23. **Applicable Law:**

- a. The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Imphal or India only.
- b. Any dispute arising out of this purchase shall be referred to the Director IIIT Manipur, and if either of the parties here to is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

ADDITIONAL TERMS FOR IMPORTED GOODS: - Following terms besides the fore mentioned terms will be applicable in case of foreign purchases:

24. **Rates:** Prices quoted must be for destination including freight and insurance charges inclusive of free delivery up to the door of concerned department at IIIT Manipur premises, as per details below.

Sl No	Particulars	Rate
i.	Basic Price (Ex work)	
ii.	FCA/FOB Dispatch Port,	
iii.	Total CIP/CIF Kolkata	
iv.	CIP IIIT Manipur Price (Freight and Insurance Charge from Kolkata to IIIT Manipur)	
v.	Grand Total on Door Delivery at IIIT Manipur	
vi.	Installation & Commissioning Charge, if any	
vii.	Custom Duty (Approximate)	
viii.	Agency Commission if any	
ix.	Annual Maintenance Contract rate (After expiry of warranty period)	

Note:

- a. Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected. Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.
- b. Rate of Foreign Exchange shall be the rate prevailing on the date of quotation opening.

25. **After Sales Service:** The name & address of the nearest available authorized service centre, to provide prompt on-site service at IIIT Manipur, should be stated in the quotation, without which their offers shall be liable for rejection.

26. Delivery :

- a. Delivery of goods at IIIT Manipur, will have to be maximum within 95 (ninety-five) days from the date of issue of the Purchase Order.
- b. Delivery at Kolkata Airport only: As we do not have clearing agent in any other Airport/Seaport, delivery is to be made only at Kolkata.
- c. While transshipment will be allowed, part shipment will not be allowed.

27. Payment :

- a. **Above INR 5 Lacs:** By an irrevocable letter of Credit at CIF/CIP Kolkata value negotiable through any overseas branch of State Bank of India/ AXIS Bank with unrestricted provision.
- b. **Below INR 5 Lacs by FDD/Wire Transfer as given below:**
 - i. **Advance payment Against Bank Guarantee:** 90% of the price will be paid in advance **against equivalent bank guarantee** from a scheduled bank provided by the supplier/Indian Agent. The remaining 10% shall be released only after receipt and acceptance of materials in good condition or after satisfactory installation and commissioning of the equipment.
or
 - ii. **Payment Against Proof of Dispatch:** 90% of the price will be paid against delivery with receipt of proof of dispatch such as AWB, Invoice, Packing List, Insurance certificate, etc. The remaining 10% shall be released only after receipt and acceptance of materials in good condition or after satisfactory installation and commissioning of the equipment.
or
 - iii. **100% Payment Basis:** On request by the supplier/s 100% payment by FDD will be made. In this case on receipt of your Order Acknowledgement an FDD will be established for total ordered value, thereupon, a Xerox copy of the FDD will be sent to you which will enable you to send the materials. On satisfactory receipt and acceptance of the materials or satisfactory installation and commission of the equipment the Original FDD will be sent to you.

Please note: FDD/LoC will not be opened unless and until Letter of Acknowledgement in original is received at IIIT Manipur, directly from the principal (Even in case of firms having subsidiary office in India). The Indian agents are therefore advised to submit quotation after consultation with their respective principals).

28. **Agency Commission:** The percentage of ex-works value to be paid to Indian agent in equivalent Indian currency as agency commission as applicable will have to be clearly stated in the quotation.
29. **After Sales Service:** For equipment to be imported the quotation will have to clearly state the available nearest after sales service centre and contact no. in India.
30. **Country of Origin:** While Country of Origin Certificate will not be insisted, the same however will have to be stated in the Original Invoice for payment through LoC.
31. **LoC Amendment:** LoC/FDD amendment charges due to mistake on the part of the supplier, if any, will have to be borne by the supplier.

Encl.: ANNEXURE

ANNEXURE – II

Detail specification and quantity of the item(s)

A. Mandatory requirements: Appropriate quotation sought.	
a.	Delivery to concerned department at IIT Manipur, On-site installation and commissioning.
b.	Certificate from vendor/ principal that no Refurbished/Reconditioned parts are used in any of the electronic and electrical components of the instruments.
c.	Vendors have to make sure to mention final price all inclusive of packaging, door delivery to IIT Manipur, taxes, installation etc. without any assumption or vague definitions. Prices break-up should be given component wise including accessories, optional items and extended warranty to enable the Institute to decide the final configuration.
d.	3 year comprehensive on-site warranty, service and application support.
e.	Offer of End-of-life products are disqualified.
f.	The vendor/manufacture should have successfully supplied and installed Laptops/Desktops in IITs/IIITS/NITS and other reputed institute of similar work for at least last 5 years.
g.	Vendors should submit supply list of Indian customers (with detailed communication address and installation certificates). Documentary evidence of the purchase such as purchase order must be provided.
h.	The vendor/manufacture should have the related certificates such as ASHRAE 110, ISO 9001-2008.
i.	All specification claims must be supported by printed literature.
j.	Vendor has to submit an undertaking for the supply of spares, consumables and on-site service required during the period of three year warranty.
k.	The Company must ensure the Institute about the 95% uptime during the operational period at the Institute with suitable spares and consumable at <i>IIT Manipur</i> . However, <i>IIT Manipur</i> may allow maximum time of 72 hours for the consumable available in India and for other items maximum of 05 working days from the date of lodging of report.

l.	Change of Agent: Prior intimation is required for this change. The new Agent should undertake to submit fresh performance guarantee first.
m.	Wherever applicable, all the necessary cables, connectors and other accessories must be supplied.

B. Technical Specifications			
Sl. No.	Item Description	Specifications	Qty
01	Laptop	Preferably i5-7200U, Chipset: System on Chip , 8 GB DDR4 DRAM upgradable to 16 GB. Suitable 01 GB or above graphics card preferably NVIDIA, 1 TB Drive, 14-inch diagonal LED-backlit (1366 x 768 resolution), (01 or more) USB 3.0, (01 or more) USB 2.0 (power port), (01 or more) USB Type-C, (01 or more) HDMI, headphone/microphone combo, AC power, RJ-45, VGA, Full size spill resistant backlit keyboard, Integrated stereo speakers; HD audio, Integrated dual array microphone, Integrated Ethernet(10/100/1000 NIC), WIFI, Bluetooth, External DVD R/W, Min 720p HD webcam, Integrated Fingerprint Reader, TPM 1.2, Internal 3 (or more) cell battery with minimum 8 Hours of battery back-up time, Win10 pro, Should be qualified by MIL-810G (or other appropriate certification) for rigidity of the Laptops including drop test. At-least 3 Years Warranty, Should include wireless mouse and keyboard and lightweight backpack made of water-resistant fabric that offers a padded laptop section.	1
02	Inkjet A3 Printer	Required Specification: Functions- Auto duplex, Print, copy, scan; Printing specifications: Print Speed Black: 24ppm or better; Color: 20ppm or better, Print technology: Inkjet; Print resolution: 1200x1200 dpi or better, Connectivity: Compatibility with USB 3.0 devices; Ethernet; Wireless 802.11b/g/n, Memory: 512 MB or more, Compatible operating systems: Windows 10, Windows 7, 210-sheet or more input tray, 70 sheets or more output paper capacity, Auto feeder with 30 sheets or more. Scanner in Flatbed configuration, Hardware : 1200x 1200 dpi or better, optical: 1200 dpi or better, Should be able to produce output in PDF, TIFF, BMP, PNG, JPEG, Two-sided (Duplex): 8.27 x 11.69 in; 80 copies or more Warranty: \geq 3 Year	3

03	Color Laser A4 Printer	<p>Basic Requirement: auto duplex Print, scan, copy, Print speed black: Up to 17 ppm or better. Print speed color: Up to 4 ppm or better. Media sizes supported: Letter, legal, executive, 4 inch x 6 inch, 5 inch x 8 inch, 8.5 inch x 13 inch, envelopes (No. 10, Monarch); custom 3 inch x 5 inch to 8.5 inch x 14 inch (maximum). Scan resolution, optical: Up to 1200 dpi or better. Copy reduce/enlarge settings: 25 to 400 percent. Connectivity: USB, Ethernet, WiFi 802.11b/g/n</p>	2
04	2U Rack Server	<p>Processor: 1 x Xeon E5-2640 v4 2.4 GHz,25M Cache,8.0 GT/s QPI,Turbo,HT,10C/20T (90W) Max Mem 2133MHz. Chipset: C610 chipset or higher; Memory 16 DIMMs, 32 GB DDR4, RDIMM RAM expandable up to 512GB@2133MHz. Adv ECC/ECC, memory mirroring. Graphics Integrated Graphics with at least 16MB Video Memory support for 1280 x 1024 (32 bpp) & 1920 x 1200 (16 bpp), Raid Controller Integrated RAID Controller, with minimum 1GB Cache and 12Gb/s Raid Controller with RAID 0,1,5,6 from the day of installation. Ethernet Ports: 2 x 1Gb Ethernet Ports with TCP/IP Offload Engine, supporting advanced features such as Large Send offload capability, TCP checksum and segmentation. Power Supply: Dual, Hot-plug, Redundant 550 Watt Power Supply (1+1) along with C13/C14 Power Cords. Cooling: Hot-plug redundant fans for sufficient cooling(Cabled fans not acceptable). Hard Disk: 2 x 300GB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive or higher; HDD Bays: HDD bays supporting SAS, SATA, SSD drives (Minimum 08 nos. 2.5" HDD Support). Server management Tool: OEM's server management software should be provided. Server management software capable of providing role-based security alerts of critical component failure (Hard drive, memory, CPU). Ports: Minimum Six PCI-Express 3.0 slots, Minimum Four USB 3.0 Ports (preferably 2 each on rear and front), 01 wireless mouse, 01 wireless keyboard, 01 Graphics & 01 Remote Management Port. Rack mountable with all necessary sliding rail kits. OS support: Certified for Red Hat Enterprise Linux , SUSE Linux Enterprise Server, Microsoft Windows Server, VMware. Certificate should offer support for industry standard compliance. FCC, UL, RoHS. Warranty: at-least 3 years comprehensive on-site warranty . All components should be compatible to company standards. Other mandatory requirements: Monitor: 27' wide screen monitor, Integrated network connection and Wireless card.</p>	1
05	1TB USB External storage	<p>Memory Storage Capacity: 1 TB, Computer Memory Type: DDR3 SDRAM, Digital Storage Capacity: 1 TB, Hard Drive Interface: USB 3.0, Supported Operating System(s): Windows PC, Mac, Should include USB 3.0 cable.</p>	4

06	3TB USB External storage	Hard Drive Size: 3 TB, Hard Drive Interface: USB 2.0/3.0, Hardware Platform: Windows PC, Mac, Should include USB 3.0 cable	2
07	Computer	<p>Preferably i7 7700 Processor, Q270 chipset with vPro Support or higher, OEM Motherboard with OEM logo embossed on the motherboard (No Sticker), 16GB DDR4 2400 MHz expandable up to 64 GB, Suitable 01 GB or above graphics card preferably NVIDIA, 01TB HDD, 7200 RPM SATA III 06 Gbps, SMART IV, SuperMulti DVD Writer, High Definition Integrated Audio with Internal Speaker, Minimum 2 low profile PCI/PCIe Slots (2 x PCIex16) 2x (M.2 PCIe), Minimum 4 bays, with (at least 01) 3.5” Drive bays & (at least 01) 2.5" drive bay, (at least 01) ODD bay Front: (02 or more) USB 2.0 ports, including 1 fast charging, (02 or more) USB 3.0 Ports, (01 or more) USB Type C, 3.5mm headphone output and microphone jack Rear I/O: (2 or more) USB 2.0 ports, (04 or more) USB 3.0 Ports , (at least 01) VGA video port; (at least 02) Display Port/DVI-D Port , (at least 01) RJ-45 network connector, (at least 01) RS-232 serial port, 3.5mm audio in/out jacks 180 W active PFC Power Supply, USB 104 keys keyboard (Preferably same make as PC), USB 02 Button Scroll Mouse (Preferably same make as PC), TPM 2.0 Security Chip SATA 0,1 port disablement (via BIOS) Serial, USB enable/disable (via BIOS) Solenoid Lock / Hood Sensor Support for chassis padlocks and cable lock devices Drive Lock Boot Sectors Protection Drive Protection System Power On Authentication, and Warranty: at-least 03 years Onsite Warranty. Compatible 24 Inch Monitor and OS Required: RHEL 5 (64 bit), Windows 10 Pro</p>	42
08	Computer	<p>Preferably i7 7700 Processor, Q270 chipset with vPro Support or higher, OEM Motherboard with OEM logo embossed on the motherboard (No Sticker), 16GB DDR4 2400 MHz expandable up to 64 GB, Suitable 02 GB or above graphics card preferably NVIDIA, 01TB HDD, 7200 RPM SATA III 06 Gbps, SMART IV, SuperMulti DVD Writer, High Definition Integrated Audio with Internal Speaker, Minimum 2 low profile PCI/PCIe Slots (2 x PCIex16) 2x (M.2 PCIe), Minimum 4 bays, with (at least 01) 3.5” Drive bays & (at least 01) 2.5" drive bay, (at least 01) ODD bay Front: (02 or more) USB 2.0 ports, including 1 fast charging, (02 or more) USB 3.0 Ports, (01 or more) USB Type C, 3.5mm headphone output and microphone jack Rear I/O: (2 or more) USB 2.0 ports, (04 or more) USB 3.0 Ports , (at least 01) VGA video port; (at least 02) Display Port/DVI-D Port , (at least 01) RJ-45 network connector, (at least 01) RS-232 serial port, 3.5mm audio in/out jacks 180 W active PFC Power Supply, USB 104 keys keyboard (Preferably same make as PC), USB 02 Button Scroll Mouse (Preferably same make as PC), TPM 2.0 Security Chip SATA 0,1 port disablement (via BIOS) Serial, USB enable/disable (via BIOS) Solenoid Lock / Hood Sensor Support for chassis padlocks and cable lock devices Drive Lock Boot Sectors Protection Drive Protection System Power On Authentication, and Warranty: at-least 03 years Onsite Warranty. Compatible 24 Inch Monitor and OS Required: RHEL 5 (64 bit), Windows 10 Pro</p>	2

09	Switch	Plug and Play Rack-mountable Unmanaged Switch with proper casing and rack, 1U with 24 x 10/100/1000 ports, Switching capacity 35.7 Mbps or more. Should have features for Flow control, Layer 2 switching, auto-negotiation, auto-uplink (auto MDI/MDI-X), Weighted Round Robin (WRR) queuing, Quality of Service (QoS). Should support for 10 megabits per second (Mbps), 100 Mbps, and up to 1 gigabit per second (1000 Mbps) devices in the same network; automatic cable detection, Should have compatibility with network devices from other vendors. Compliant Standards: IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3az, Power: AC 220 V (60 Hz), Preferably OEM lifetime warranty	4
10	CAT6 Cable and Clamper	300 meters per pack & CAT6 plug clamper	2
11	CAT6 plug connector	Metal shield CAT6 plug connector	200
12	Monitor	Monitor Type: LED, Panel Technology: IPS, Screen Size: 32" or Higher, Aspect Ratio:16:09,Native Resolution: 1,920 x 1,080 (Full HD), Brightness: 350cd/m2 or higher, Contrast Ratio: 1,100 : 1 or higher, Dynamic CR: 500,000 : 1 or higher, Orientation: Portrait & Landscape, Viewing Angle (H x V): 178 x 178 degree or better Connectivity; Inputs: Should have HDMI, DVI-D, RGB, Stereo Mini Jack, USB, Outputs: Should have Stereo Mini Jack, External Speaker Out, External Control: RS232C (In/Out), RJ45, IR Receiver. OEM Warranty: At-least 3 Years	4

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ANNEXURE – III

Compliance Certificate

By furnishing sealed & signed (on each page) compliance certificate;

- a. Vendor has carefully read the technical specification and any alteration or deviation is mentioned briefly in remark(s) section.
- b. The specification is diligently referred to the appropriate page(s) of printed literature supporting the compliance.

A. Technical Specifications				Comply		Remark(s)
Sl. No.	Item Description	Specifications	Qty	Yes	No	
01	Laptop	Preferably i5-7200U, Chipset: System on Chip , 8 GB DDR4 DRAM upgradable to 16 GB. Suitable 01 GB or above graphics card preferably NVIDIA, 1 TB Drive, 14-inch diagonal LED-backlit (1366 x 768 resolution), (01 or more) USB 3.0, (01 or more) USB 2.0 (power port), (01 or more) USB Type-C, (01 or more) HDMI, headphone/microphone combo, AC power, RJ-45, VGA, Full size spill resistant backlit keyboard, Integrated stereo speakers; HD audio, Integrated dual array microphone, Integrated Ethernet(10/100/1000 NIC), WIFI, Bluetooth, External DVD R/W, Min 720p HD webcam, Integrated Fingerprint Reader, TPM 1.2, Internal 3 (or more) cell battery with minimum 8 Hours of battery back-up time, Win10 pro, Should be qualified by MIL-810G (or other appropriate certification) for rigidity of the Laptops including drop test. At-least 3 Years Warranty, Should include wireless mouse and keyboard and lightweight backpack made of water-resistant fabric that offers a padded laptop section.	1			

02	Inkjet A3 Printer	<p>Required Specification: Functions- Print, copy, scan; Printing specifications: Print Speed Black: 24ppm or better; Color: 20ppm or better, Print technology: Inkjet; Print resolution: 1200x1200 dpi or better, Connectivity: Compatibility with USB 3.0 devices; Ethernet; Wireless 802.11b/g/n, Memory: 512 MB or more, Compatible operating systems: Windows 10, Windows 7, 210-sheet or more input tray, 70 sheets or more output paper capacity, Auto feeder with 30 sheets or more. Scanner in Flatbed configuration, Hardware : 1200x 1200 dpi or better, optical: 1200 dpi or better, Should be able to produce output in PDF, TIFF, BMP, PNG, JPEG, Two-sided (Duplex): 8.27 x 11.69 in; 80 copies or more Warranty: ≥ 3 Year</p>	3			
03	Color Laser A4 Printer	<p>Basic Requirement: auto duplex Print, fax, scan, copy, Print speed black: Up to 17 ppm or better. Print speed color: Up to 4 ppm or better. Media sizes supported: Letter, legal, executive, 4 inch x 6 inch, 5 inch x 8 inch, 8.5 inch x 13 inch, envelopes (No. 10, Monarch); custom 3 inch x 5 inch to 8.5 inch x 14 inch (maximum). Scan resolution, optical: Up to 1200 dpi or better. Copy reduce/enlarge settings: 25 to 400 percent. Connectivity: USB, Ethernet, WiFi 802.11b/g/n</p>	2			

04	2U Rack Server	<p>Processor: 1 x Xeon E5-2640 v4 2.4 GHz,25M Cache,8.0 GT/s QPI,Turbo,HT,10C/20T (90W) Max Mem 2133MHz. Chipset: C610 chipset or higher; Memory 16 DIMMs, 32 GB DDR4, RDIMM RAM expandable up to 512GB@2133MHz. Adv ECC/ECC, memory mirroring. Graphics Integrated Graphics with at least 16MB Video Memory support for 1280 x 1024 (32 bpp) & 1920 x 1200 (16 bpp), Raid Controller Integrated RAID Controller, with minimum 1GB Cache and 12Gb/s Raid Controller with RAID 0,1,5,6 from the day of installation. Ethernet Ports: 2 x 1Gb Ethernet Ports with TCP/IP Offload Engine, supporting advanced features such as Large Send offload capability, TCP checksum and segmentation. Power Supply: Dual, Hot-plug, Redundant 550 Watt Power Supply (1+1) along with C13/C14 Power Cords. Cooling: Hot-plug redundant fans for sufficient cooling(Cabled fans not acceptable). Hard Disk: 2 x 300GB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive or higher; HDD Bays: HDD bays supporting SAS, SATA, SSD drives (Minimum 08 nos. 2.5" HDD Support). Server management Tool: OEM's server management software should be provided. Server management software capable of providing role-based security alerts of critical component failure (Hard drive, memory, CPU). Ports: Minimum Six PCI-Express 3.0 slots, Minimum Four USB 3.0 Ports (preferably 2 each on rear and front), 01 wireless mouse, 01 wireless keyboard, 01 Graphics & 01 Remote Management Port. Rack mountable with all necessary sliding rail kits. OS support: Certified for Red Hat Enterprise Linux , SUSE Linux Enterprise Server, Microsoft Windows Server, VMware. Certificate should offer support for industry standard compliance. FCC, UL, RoHS. Warranty: at-least 3 years comprehensive on-site warranty . All components should be compatible to company standards. Other mandatory requirements: Monitor: 27' wide screen monitor, Integrated network connection and Wireless card.</p>	1			
05	1TB USB External storage	<p>Memory Storage Capacity: 1 TB, Computer Memory Type: DDR3 SDRAM, Digital Storage Capacity: 1 TB, Hard Drive Interface: USB 3.0, Supported Operating System(s): Windows PC, Mac, Should include USB 3.0 cable.</p>	4			

06	3TB USB External storage	Hard Drive Size: 3 TB, Hard Drive Interface: USB 2.0/3.0, Hardware Platform: Windows PC, Mac, Should include USB 3.0 cable	2			
07	Computer	Preferably i7 7700 Processor, Q270 chipset with vPro Support or higher, OEM Motherboard with OEM logo embossed on the motherboard (No Sticker), 16GB DDR4 2400 MHz expandable up to 64 GB, Suitable 01 GB or above graphics card preferably NVIDIA, 01TB HDD, 7200 RPM SATA III 06 Gbps, SMART IV, SuperMulti DVD Writer, High Definition Integrated Audio with Internal Speaker, Minimum 2 low profile PCI/PCIe Slots (2 x PCIex16) 2x (M.2 PCIe), Minimum 4 bays, with (at least 01) 3.5" Drive bays & (at least 01) 2.5" drive bay, (at least 01) ODD bay Front: (02 or more) USB 2.0 ports, including 1 fast charging, (02 or more) USB 3.0 Ports, (01 or more) USB Type C, 3.5mm headphone output and microphone jack Rear I/O: (2 or more) USB 2.0 ports, (04 or more) USB 3.0 Ports , (at least 01) VGA video port; (at least 02) Display Port/DVI-D Port , (at least 01) RJ-45 network connector, (at least 01) RS-232 serial port, 3.5mm audio in/out jacks 180 W active PFC Power Supply, USB 104 keys keyboard (Preferably same make as PC), USB 02 Button Scroll Mouse (Preferably same make as PC), TPM 2.0 Security Chip SATA 0,1 port disablement (via BIOS) Serial, USB enable/disable (via BIOS) Solenoid Lock / Hood Sensor Support for chassis padlocks and cable lock devices Drive Lock Boot Sectors Protection Drive Protection System Power On Authentication, and Warranty: at-least 03 years Onsite Warranty. Compatible 24 Inch Monitor and OS Required: RHEL 5 (64 bit), Windows 10 Pro	42			

08	Computer	<p>Preferably i7 7700 Processor, Q270 chipset with vPro Support or higher, OEM Motherboard with OEM logo embossed on the motherboard (No Sticker), 16GB DDR4 2400 MHz expandable up to 64 GB, Suitable 02 GB or above graphics card preferably NVIDIA, 01TB HDD, 7200 RPM SATA III 06 Gbps, SMART IV, SuperMulti DVD Writer, High Definition Integrated Audio with Internal Speaker, Minimum 2 low profile PCI/PCIe Slots (2 x PCIex16) 2x (M.2 PCIe), Minimum 4 bays, with (at least 01) 3.5" Drive bays & (at least 01) 2.5" drive bay, (at least 01) ODD bay Front: (02 or more) USB 2.0 ports, including 1 fast charging, (02 or more) USB 3.0 Ports, (01 or more) USB Type C, 3.5mm headphone output and microphone jack Rear I/O: (2 or more) USB 2.0 ports, (04 or more) USB 3.0 Ports , (at least 01) VGA video port; (at least 02) Display Port/DVI-D Port , (at least 01) RJ-45 network connector, (at least 01) RS-232 serial port, 3.5mm audio in/out jacks 180 W active PFC Power Supply, USB 104 keys keyboard (Preferably same make as PC), USB 02 Button Scroll Mouse (Preferably same make as PC), TPM 2.0 Security Chip SATA 0,1 port disablement (via BIOS) Serial, USB enable/disable (via BIOS) Solenoid Lock / Hood Sensor Support for chassis padlocks and cable lock devices Drive Lock Boot Sectors Protection Drive Protection System Power On Authentication, and Warranty: at-least 03 years Onsite Warranty. Compatible 24 Inch Monitor and OS Required: RHEL 5 (64 bit), Windows 10 Pro</p>	2			
09	Switch	<p>Plug and Play Rack-mountable Unmanaged Switch with proper casing and rack, 1U with 24 x 10/100/1000 ports, Switching capacity 35.7 Mbps or more. Should have features for Flow control, Layer 2 switching, auto-negotiation, auto-uplink (auto MDI/MDI-X), Weighted Round Robin (WRR) queuing, Quality of Service (QoS). Should support for 10 megabits per second (Mbps), 100 Mbps, and up to 1 gigabit per second (1000 Mbps) devices in the same network; automatic cable detection, Should have compatibility with network devices from other vendors. Compliant Standards: IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3az, Power: AC 220 V (60 Hz), Preferably OEM lifetime warranty</p>	4			

10	CAT6 Cable and Clamper	300 meters per pack & CAT6 plug clamper	2			
11	CAT6 plug connector	Metal shield CAT6 plug connector	200			
12	Monitor	<p>Monitor Type: LED, Panel Technology: IPS, Screen Size: 32" or Higher, Aspect Ratio:16:09,Native Resolution: 1,920 x 1,080 (Full HD), Brightness: 350cd/m2 or higher, Contrast Ratio: 1,100 : 1 or higher, Dynamic CR: 500,000 : 1 or higher, Orientation: Portrait & Landscape, Viewing Angle (H x V): 178 x 178 degree or better</p> <p>Connectivity; Inputs: Should have HDMI, DVI-D, RGB, Stereo Mini Jack, USB, Outputs: Should have Stereo Mini Jack, External Speaker Out, External Control: RS232C (In/Out), RJ45, IR Receiver.</p> <p>OEM Warranty: At-least 3 Years</p>	4			

Signature and Seal of Vendor

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Date.....20....
Address:.....
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V. ANNEXURE - IV

PERFORMANCE BANK GUARANTEE: -

To:

The Interim Director,
Indian Institute of Information Technology Manipur,
Mantripukhri, Imphal-795002, Manipur, India.

WHEREAS (Name of Supplier) hereinafter called "the Supplier" has undertaken , in pursuance of Contract No:, dated: 20... to supply (Description of Goods and Services) hereinafter called "the order".

AND WHEREAS it has been stipulated by you in the said order that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of
..... (*Amount of the Guarantee in Words and Figures*) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the order and without cavil or argument, any sum or sums within the limit of (*Amount of Guarantee*) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the day of 20.....

Signature and Seal of Guarantors

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Date.....20....

Address:.....

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