



# COTTON UNIVERSITY

Panbazar, Guwahati-781001, Assam, India

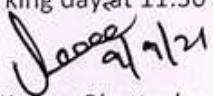
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## Notice Inviting Bids

" NIB No. CU/S&P/2021/05 Dt. September 10, 2021 "

Bids in sealed cover are invited from manufacturers or their authorized dealers/suppliers in double-bid {techno-commercial and financial} system with respect to procurement of Lab Equipment and Consumable Items for a MeitY, Govt. of India sponsored research project supervised by Dr. Hiten Choudhury, Department of Computer Science and Information Technology (CS & IT), Cotton University.

The bidding document pertaining to this notice, along with the requisite ICICI Bank Challan- 'FEE CODE 011' which is meant for payment of a processing fee {non-refundable} worth INR 500/-, must be downloaded from the University's website i.e. [www.cottonuniversity.ac.in](http://www.cottonuniversity.ac.in). The sealed cover must be super-scribed as "Procurement of Lab Equipment and Consumable Items for a MeitY sponsored research project under Dept. of CS & IT, Cotton University :: NIB No. CU/S&P/2021/05 Dt. September 10, 2021" and addressed to "The Registrar, Cotton University, Guwahati, PIN-781001, Assam". The sealed cover containing the bid must be submitted during office hours in the drop-box arranged for the purpose on or before 11:00 A.M. of October 1, 2021. Bid opening shall be done on the same working day at 11:30 A.M. which bidders may attend.

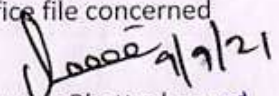

  
(Prof. Manjit Kumar Bhattacharyya)  
Registrar in Charge

Memo No. CU/S&P/2021/14/ 6229 - 37

Dated 9/9/21

Copy for information and necessary action to:

1. The P.S. to the Vice Chancellor, Cotton University
2. The Head in Charge, Department of CS & IT, Cotton University
3. Dr. Hiten Choudhury, P.I. of MeitY sponsored research project and Asst. Prof., Department of CS & IT, Cotton University
4. The Finance Officer, Cotton University
5. The Systems Manager, Cotton University; he is requested to arrange for uploading/posting of **this bidding document** in the University's website
6. The Director, Directorate of Information and Public Relations, Government of Assam; he is requested to arrange for publication of the abstract ad {soft copy enclosed} of this notice in the immediately next one(1) issue of 'The Assam Tribune' and 'Amar Asom', as well as submit the invoice in triplicate format for claiming release of payment against the same
7. The University's notice board
8. The office file concerned

  
(Prof. Manjit Kumar Bhattacharyya)  
Registrar in Charge  
  
Cotton University  
Panbazar, Guwahati, 781001, Assam





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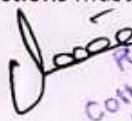
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## 1. Terms and Conditions:

The following terms and conditions, which are the minimum criteria for this bid, shall apply herein:-

- 1.1. The sealed cover must be submitted in **two separate, sealed sub-envelopes** clearly super-scribed as:
  - i. **'Techno-commercial Bid'**, consisting of documents, testimonials, etc. pertaining to all technical specifications/ details of item(s) in addition to commercial terms and conditions as well as other requisite compliances; and
  - ii. **'Financial Bid'**, indicating item-wise per unit base rate(s)/ price(s)/ value(s) for the item(s) listed in the Techno-commercial Bid.
- 1.2. The **two separate, sealed sub-envelopes** mentioned in Clause 1.1 are required to be placed inside a **bigger sealed envelope** clearly super-scribed on the top of the same as **"Procurement of Lab Equipment and Consumable Items for a MeitY sponsored research project under Dept. of CS & IT, Cotton University :: NIB No. CU/S&P/2021/05 Dt. September 10, 2021"**. The name and address of the bidder along with valid contact number(s) must be mentioned on each of the envelopes. The bigger sealed envelope which is to be addressed to **"The Registrar, Cotton University, Guwahati, PIN-781001, Assam"** must be submitted during office hours in the drop-box arranged for the purpose on or before **11:00 A.M. of October 1, 2021**.
- 1.3. There is a requisite **processing fee {non-refundable in nature}** to the tune of **INR 500/-**, which must be deposited through the **ICICI Bank Challan-'FEE CODE 011'** at any of the branches of **ICICI Bank**. The **soft copy** version of the aforementioned bank challan has to be **downloaded** from the University's website i.e. [www.cottonuniversity.ac.in](http://www.cottonuniversity.ac.in) for which it has been provided therein alongside the relevant Notice Inviting Bids.
- 1.4. The sealed and signed **counterfoil** [which indicates payment of the requisite processing fee] with regard to **ICICI bank challan** with the heading **'UNIVERSITY'S COPY'** must be submitted in the envelope titled **Techno-commercial Bid**.
- 1.5. **Techno-commercial Bid opening** shall be done on the **same day at 11:30 A.M.** which the bidders may attend, if they so desire.
- 1.6. In case the **date of bid submission** is declared a **holiday** by any jurisdictional authority, then the **following working day** of the University shall be **treated as due date** for bid submission. The bid received after **due date and time or without sealed cover or in torn condition** shall be treated as **'unresponsive'** and disqualified, and shall **not be entertained** under any circumstances whatsoever.
- 1.7. Any **addendum, corrigendum, notice of date extension, etc.** shall be **posted on the University's website** only. As such, it is in the bidder's best interest to stay alert regarding such postings.
- 1.8. All bids received shall be **opened, scrutinized and evaluated** by a **committee constituted** for the purpose of **selection and recommendation** with respect to award of supply contract.
- 1.9. Evaluation shall be done **separately for each item or category of items or any other parameter as deemed fit by the committee** constituted for the purpose.
- 1.10. All pages of the bidding document and supporting materials, annexures/enclosures etc. must be **sealed and signed** by the bidder or their authorized signatory. All entries by the bidder must be **legibly written**. Any **over-writing, corrections and cuttings** must bear initials of the authorized signatory. Ideally, corrections must be made by **writing again** instead of 'shaping' or over-writing.

  
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Cotton University  
Guwahati, 781001





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- 1.11. The bidder must invariably furnish Earnest Money Deposit (EMD) to the tune of 5% of the total quoted value exclusively through Banker's Cheque/ Demand Draft, drawn in favour of "Cotton University" and payable at "Guwahati".
- 1.12. The EMD of the unsuccessful bidder(s) shall be returned after award of contract (A.O.C.) to the successful bidder whereas the EMD of the successful bidder(s) shall be treated as Performance Security money and retained until expiry of the period of warranty. The same shall be returned subject to obtaining Clearance Certificate/ No Objection Certificate from the authorized personnel /official/custodian/end user concerned.
- 1.13. The Performance Security money, during the subsistence of the period of warranty, shall be interest-free, i.e. it shall not carry any interest on the principal amount and be refunded after adjustment of all dues of the University for Damages of any kind, if any.
- 1.14. An offer of Guarantee encompassing immediate replacement of the supplied item(s) against defects of manufacturing/ workmanship/ mishandling during storage and transit etc. must be provided by the successful bidder.
- 1.15. An offer of On-site Warranty for applicable periods from the date of installation and commissioning of respective items (as applicable) must be provided by the successful bidder.
- 1.16. Goods and Services Tax (GST) at the concessional rate of 5% applies to item(s) meant for research purposes in public funded institutions as mandated by the applicable notifications issued from time to time by the Ministry of Finance, Govt. of India or other competent public authority.
- 1.17. The University shall deal with the bidder directly, and thus, no middle-men/ agents/ commission agents etc. must be asked or encouraged by the bidder to represent their cause.
- 1.18. The bidder submitting their bid shall be deemed to have read and unconditionally accepted all the terms and conditions stated herein. Therefore, counter-conditional bids shall be summarily rejected. No correspondence shall be entertained in respect of acceptance or rejection of their bid.
- 1.19. Non-conformity to any of the stipulated terms and conditions and/or non-submission of any of the documents/ testimonials/ fees etc. reference of which are made in the 'Enclosures-cum-Checklist' Section, shall amount to the bid being 'incomplete' thereby disqualifying the bidder owing to which their bid shall not be considered, but instead, summarily rejected by the bid opening and evaluation committee.
- 1.20. The Financial Bid of only the techno-commercially acceptable offer(s) shall be opened for the purpose of evaluation and ranking. Date and time of the Financial Bid opening shall be intimated to the shortlisted bidder(s) separately.
- 1.21. The bidder is expected to quote the most competitive base rate(s)/ price(s)/ value(s). Quoted price(s) [which is/are not to be higher than the Maximum Retail Price (MRP) or prevailing market rate(s)/ price(s) under any circumstances whatsoever, as applicable] must be inclusive of all taxes and duties, charges for packaging/ forwarding/ freight (bulk loading and unloading), etc. Transit insurance, wages of manpower, and other incidental expenses must be borne by the bidder themselves.

  
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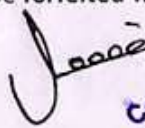


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- 1.22. Base rate(s)/ price(s)/ value(s) in the Financial Bid must be quoted in Indian currency, i.e. Indian Rupees (INR) only.
- 1.23. If base rate(s)/ price(s)/ value(s) are quoted in a format other than the one prescribed in the bidding document, then the bid is liable to be cancelled. Therefore, 'Schedule of Rates' must be carefully and properly filled up.
- 1.24. The necessary on-site delivery and on-site installation of equipment and items (as applicable) besides on-site training (if any) shall be carried out by authorised representative(s) of the manufacturing company or successful bidder entirely at their own risk and free-of-cost in the presence of authorized personnel belonging to Department of Computer Science and Information Technology, Cotton University.
- 1.25. The bidder has to mandatorily have an office setup and service personnel in Guwahati/Kamrup Metropolitan area. The University reserves the right to call for any information and record as well as inspect the premises of any or all of the bidders, before as well as, during award of the supply contract and subsistence of the warranty period.
- 1.26. Mere submission of the bid does not confer any right on any eligible bidder for being selected as the successful bidder and to eventually obtain the supply contract/ Purchase Order (P.O.).
- 1.27. Selection shall not *ipso facto* (by itself) confer any right on the successful bidder to receive the supply contract/ Purchase Order (P.O.) from the University. The University reserves the right to procure the item(s)/service(s) from any other reliable entity/company/contractor/supplier/vendor which is not selected as per this or any other bid.
- 1.28. The bid shall be rejected if:-
- the authenticity of any of the supporting documents is found to be fabricated or false or untrue or incorrect or forged or deceitful; or
  - the bidder is found to have been blacklisted by any government/ non-government organization/ Public Sector Undertaking in the preceding three(3) years; or
  - the bidder is convicted, punished, charge-sheeted in a criminal case involving moral turpitude; or
  - the bidder tries to canvass the bidding process or influence any official of the University, in any manner whatsoever; or
  - the bid or any part of it is found to be conditional or contradictory in nature and interpretation.
- 1.29. The successful bidder must ensure prompt after-sales service and support, whenever and wherever called for at the designated site during such time in the day as may be specified for that particular place from time to time which include all working days/ shifts and even on holidays. Apart from providing the required services, as and when called for, the successful bidder must discharge any other duties, which in the opinion of the University are within the scope of work of the bidder, and that such duties must be carried out with due diligence and care.
- 1.30. If, at a later date, it is found that any of the information, documents, testimonials or certificates submitted by the successful bidder is wrong/ forged/ fake/ false/ manipulated, then the supply contract/ Purchase Order (P.O.) shall stand cancelled with immediate effect and the Performance Security money shall be forfeited without any claim whatsoever against the University.

  
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- 1.31. The successful bidder shall not divulge any information, confidential or otherwise, that he may come across. The bidder or their representative(s) shall be granted access/permission by the University to enter the premises only for the purpose of carrying out the contractual obligations and not for any other reason or purpose. Prior permission must be obtained by the bidder or their authorized representative(s) from the University in the event of them being required to remain on the University premises beyond the stipulated time and/or on Sundays and fixed public holidays for whatsoever reasons.
- 1.32. After receiving necessary approval of the University authority, the lowest base rate(s)/ price(s)/ value(s) of the item(s) listed in the Techno-commercial Bid may be kept constant/fixed/valid for a period ranging from six(6) to twelve(12) months from the date of issue of the first (original) Purchase Order (P.O.) so that the successful bidder is able to deliver those item(s) at their approved base rate(s)/ price(s)/ value(s) based on repeat orders generated during that time frame.
- 1.33. The successful bidder and their representative(s) shall be liable to be dealt with suitably in the event of infringement of any law. Any financial liability arising on the University shall be deducted from the invoice of the bidder and if the full amount is not recovered, then the same shall be recovered from the Performance Security money of the bidder.
- 1.34. In case the successful bidder fails in fulfilling the obligations under the bid/ supply contract, fully and in time, the University shall have the absolute right to take up the work at the bidder's cost and risk, and recover all such expenses from the amount due to the bidder including their Performance Security money.
- 1.35. The successful bidder is liable to forfeit their Performance Security money and be barred from bidding in the future if after receipt of supply contract/ Purchase Order (P.O.), they fail to deliver the item(s) and/or fulfil due obligations with respect to the same. For any deficient services, the University reserves the right to terminate the contract/ P.O. and initiate such further penal, including legal, action as deemed appropriate.
- 1.36. The successful bidder shall not delegate or sublet/subcontract the supply assignment or any part thereof to any other entity/agency/contractor without the prior written consent/approval of the University; and such consent, even if provided, shall not relieve the bidder from any liability or any obligation under the supply contract/ Purchase Order (P.O.).
- 1.37. If, in the course of execution of assignment under the supply contract/ Purchase Order (P.O.) by the successful bidder, any damage is caused by the bidder or its personnel deployed in the University's premises to persons and/or property of the University, then the bidder shall be liable for the same and that they shall indemnify the University against such damages. The bidder shall also render all assistance and cooperation to the University in the event of any inquiry relating to any such incident or accident.
- 1.38. Statutory levies and taxes, as applicable from time to time, may be deducted at source (as Tax Deducted at Source (TDS)) from the invoice(s) of the successful bidder at the time of settlement of the same unless the bidder produces a certificate to the contrary from the Income Tax authorities. TDS certificate shall be issued by the University to that effect. Taxes, as applicable from time to time, shall be paid as per rules.

  
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- 1.39. The successful bidder shall observe all the laws and be solely responsible for any prosecution or liability arising from breach of any of those laws. The bidder shall be responsible for compliance with all central and state laws as per rules/ regulations/ bye-laws and order of the local authorities and statutory bodies as may be in force from time to time during the subsistence of the supply contract and period of warranty. The bidder shall also indemnify the University and its officer(s)/ official(s)/ end user(s) from any claim or consequences/ damages for any lapse or non-compliance thereof. If, at any point of time, it is found that any type of liability/ responsibility has been fixed on the University or its employees by any government or local bodies regarding the contract in question, then the total responsibility will have to be borne by the bidder.
- 1.40. The University reserves the right to cancel the supply contract/ Purchase Order (P.O.) by giving a notice in writing without assigning any reason whatsoever in lieu thereof. Any notice sent by the University to the address recorded in the bidding document of the successful bidder shall be deemed to have been properly served for any of the purposes mentioned herein.
- 1.41. The decision of Cotton University on all matters connected with or incidental to selection of supplier(s)/vendor(s) shall be final and binding on all and that it shall not be called in question on any ground. In case of any ambiguity or dispute that may arise in the interpretation of any of the clauses in this bidding document, the interpretation of the Registrar, Cotton University shall be final and binding on all.
- 1.42. The Registrar, Cotton University or any officer(s)/official(s) authorized by the University, shall have the discretion to review or ascertain and enforce due and proper observance of the laws, rules and regulations. The officer(s)/official(s) so authorized by the University, or the Registrar, may by himself, investigate into any complaint in the case of any default on the part of the successful bidder vis-à-vis terms and conditions of the bid. No bidder shall be allowed to be represented by any legal expert during the course of any mutual discussion, consultation, investigation, enquiry, appeal or any other proceeding conducted by or before any officer/official of the University against the bidder.
- 1.43. Cotton University reserves the right to amend or withdraw any of the terms and conditions and also update, modify, relax/waive and supplement the minimum criteria/requirements at any point of time. The University reserves the right to accept the offers in full or in parts or reject the same summarily or partly. In other words, the University reserves the right to accept, consider or reject any or all of the offers without assigning any reason in lieu thereof.
- 1.44. In the event of any ambiguity or dispute or difference between the parties involved relating to or concerning the interpretation of the supply contract/ bid or any alleged breach thereof or any matter relating to the contract/ bid, the same shall be settled by the parties, as far as possible, by mutual discussions and consultations between themselves. The dispute shall be so settled only when the same has arisen during or after the placement of the Purchase Order (P.O.) and/or during subsistence of the contract or period of warranty and that the decision taken by the Registrar, Cotton University shall be final and binding on all parties concerned.
- 1.45. The law of the land shall apply to the supply contract(s)/ Purchase Order(s) arising out of this bid. All disputes in this connection and all matters arising out of the same shall be settled exclusively in the courts falling under the jurisdiction of Kamrup Metropolitan district authority.

*Joana*  
Registrar  
Cotton University  
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## 2. Enclosures-cum-Checklist:

❖ Documents etc. which must be placed inside the sub-envelope titled 'Techno-commercial Bid' are:

- i) Counterfoil (UNIVERSITY'S COPY) of ICICI Bank Challan-FEE CODE 011 indicating submission of the processing fee worth INR 500/-
- ii) Earnest Money Deposit (EMD) in the form of Banker's Cheque/ Demand Draft to the tune of 5% of the total quoted value
- iii) Copy of the bidding document duly sealed and signed by the authorized signatory representing the bidder thereby implicating that all terms and conditions stipulated in the bidding document are unconditionally acceptable to the bidder
- iv) Copy of Proprietary Article Certificate (PAC) or certificate indicating Original Equipment Manufacturer's valid Certificate of Dealership/ Manufacturer Authorization Form (MAF)
- v) Copy of OEM's Product Brochure/ Technical Literature regarding the offered products containing their specifications, images, sketches, diagrams, testing report, BEE rating, ISO, etc. as applicable
- vi) Technical Compliance Statement/Table on the letterhead of the bidder stating the University's required item specifications *vis-à-vis* the bidder's offered item specifications
- vii) Copy of valid/up-to-date trade license issued by the competent authority under respective administrative jurisdiction in the district/ Union territory
- viii) Copy of PAN card
- ix) Copy of certificate pertaining to GSTIN or GST registration
- x) Copy of document(s) indicating Income Tax Returns (ITR) filing for Financial Years 2018-19 and 2019-20 {i.e. Assessment Years 2019-20 and 2020-21}
- xi) Copy of documents/testimonials [set(s) of purchase orders with corresponding delivery challans and installation reports/certificates] indicating previous work experience of serving in a similar domain in government organisation(s)/ Public Sector Undertaking(s)/ educational institute(s) of repute only

❖ Document which must be placed inside the sub-envelope titled 'Financial Bid' are:

- Copy of the prescribed format of 'Schedule of Rates' duly filled up in neat and legible handwriting

  
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অসম চৰণ বিশ্ববিদ্যালয়

### 3. Specifications:

Sl. No.	Particulars of Item
1	<p><b>DeskTop Computer Set:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: HP/ Lenovo/ DELL</li><li>• Processor: Core i5 - 10th Generation</li><li>• RAM: Minimum 8 GB RAM (DDR4)</li><li>• HDD: Minimum 1 TB HDD</li><li>• Mouse: USB Optical Mouse (same make/brand)</li><li>• Keyboard: USB Keyboard (same make/brand)</li><li>• Display: Minimum 19.5" size Monitor (same make/brand)</li><li>• OS: Win 10 Pro (licensed)</li><li>• Connectivity: Wireless WiFi PCIe Card</li><li>• Warranty: Minimum 3 Years Onsite Comprehensive OEM Warranty</li></ul>
2	<p><b>Offline UPS:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: APC/ NUMERIC/ Microtek</li><li>• Max. Configurable Power (Watts): 1KVA</li><li>• Minimum Time of Power Backup: 20 Min.</li><li>• Warranty: 2 Years</li></ul>
3	<p><b>Workstation Computer:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: Apple</li><li>• Processor: Apple M1 Chip, 8-Core CPU with 4 Performance Cores and 4 Efficiency Cores, 8-Core GPU, 16-Core Neural Engine</li><li>• Colour: Silver</li><li>• Storage: 512GB SSD</li><li>• Memory: 8GB Unified Memory</li><li>• Display: 60.96 cm (24-inch), 4.5K Retina Display, True Tone Technology</li><li>• Input: Magic Keyboard with Touch ID, Magic Mouse</li><li>• Connectivity: 802.11ax Wi-Fi 6 Wireless Networking, IEEE 802.11a/b/g/n/ac compatible</li><li>• Bluetooth 5.0 Wireless Technology</li></ul>
4	<p><b>Laptop Computer:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: HP/ Lenovo/ DELL</li><li>• Processor: 10<sup>th</sup> Gen Intel Core i5-10210U Processor, 1.6Ghz Base Speed, 4.2Ghz Max. Speed, 4 Cores, 6Mb Smart Cache</li><li>• Operating System: Pre-loaded Windows 10 Home with Lifetime Validity</li><li>• Display: 14-inch Screen with (1920x1080) Full HD IPS Display   Anti Glare Technology   720p HD Camera with Thinkshutter</li><li>• Connectivity: Intel AX201 11ax, 2x2 + BT5.0</li><li>• Audio: Skype-certified Microphones and 2x 2W Harman Speakers with Dolby Advanced</li></ul>

Regd. Office  
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অসমতন বিশ্ববিদ্যালয়

	<p>Audio   Dual Array Microphone</p> <ul style="list-style-type: none"> <li>• Memory: 8GB RAM</li> <li>• Storage: 512GB SSD</li> <li>• Design and Battery: Thin and Light Laptop   180 Degree Hinge   Laptop Weight 1.69kg   Battery Life: Up to 12.8 hours   Rapid Charge (80% in 1 hour)</li> <li>• Pre-installed software: Microsoft Office Home &amp; Student 2019</li> <li>• Laptop bag: Backpack</li> </ul>
5	<p><b>Laptop Computer:</b></p> <ul style="list-style-type: none"> <li>• Preferred Brand: Apple</li> <li>• Colour: Space Grey</li> <li>• Processor: Apple M1 Chip 8-Core CPU and 8-Core GPU</li> <li>• Storage: 512GB SSD</li> <li>• RAM: 8 GB RAM</li> <li>• Display: 13.3" Retina Display with P3 Wide Color</li> <li>• WiFi 6, USB 4, Backlit Keyboard, HD Webcam</li> </ul>
6	<p><b>Tablet Device:</b></p> <ul style="list-style-type: none"> <li>• Preferred Brand: Apple</li> <li>• Type: iPad (10.2-inch, Wi-Fi, 32GB) – Space Grey (8<sup>th</sup> Generation)</li> <li>• Screen Size: 10.2"</li> <li>• Colour: Space Grey</li> <li>• Display: Retina Display, 10.2-inch (diagonal) LED-backlit Multi-Touch display with IPS Technology</li> <li>• 2160x1620-pixel Resolution at 264 pixels per inch (ppi), 500 nits Brightness, Fingerprint-resistant Oleophobic Coating, supports Apple Pencil (1<sup>st</sup> generation)</li> <li>• Chip: A12 Bionic Chip with 64-bit Architecture, Neural Engine</li> <li>• Camera: 8MP camera, f/2.4 Aperture, Five-element Lens, Hybrid IR Filter, Backside Illumination, Live Photos</li> <li>• Autofocus, Panorama (up to 43MP), HDR for Photos, Exposure Control, Burst Mode, Tap to Focus, Timer Mode</li> <li>• Auto Image Stabilisation, Body and Face Detection, Photo Geotagging</li> <li>• Wireless: Wi-Fi (802.11a/b/g/n/ac); Dual Band (2.4GHz and 5GHz); HT80 with MIMO, Bluetooth 4.2 Technology</li> <li>• Battery Life: Up to 10 Hours of Battery Life</li> <li>• OS: iPadOS 14</li> </ul>
7	<p><b>Mobile Phone:</b></p> <ul style="list-style-type: none"> <li>• Preferred Brand: SAMSUNG/ oppo/ NOKIA</li> <li>• Memory: 4GB RAM, 64GB Storage</li> </ul>
8	<p><b>Printer:</b></p> <ul style="list-style-type: none"> <li>• Preferred Brand: HP/Canon</li> <li>• Printer Type: LaserJet</li> </ul>

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অসমতৰ বিশ্ববিদ্যালয়

	<ul style="list-style-type: none"><li>• Functionality: Multi-function (Print, Scan, Copy)</li><li>• Scanner Type: Flatbed</li><li>• Printer Output: Black &amp; White</li><li>• Connectivity: Wireless, USB, Ethernet</li><li>• Display: 2-line LCD Text Display</li><li>• Operating System: Windows 10 (32-bit, 64-bit), Mac</li><li>• Duplex printing, Built-in Ethernet, WiFi 802.11b/g/n</li></ul>
9	<p><b>WiFi Access Point:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: D-Link/ NETGEAR</li><li>• Dual Band Wifi Access Point</li><li>• Minimum AC1750</li><li>• 802.11ac</li><li>• MU-MIMO with Beam Forming</li><li>• Gigabit POE capable LAN Port</li><li>• Minimum 1 Year Onsite OEM Warranty</li></ul>
10	<p><b>PoE Switch:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: D-Link/ NETGEAR</li><li>• Managed Gigabit POE Switch</li><li>• 24 x 10/100/1000 Base T POE Ports</li><li>• CPU Speed: Minimum 500Mhz</li><li>• Flash Memory: Minimum 32MB</li><li>• L2 switching</li><li>• Minimum 1 Year Onsite OEM Warranty</li></ul>
11	<p><b>Air Conditioner:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: SAMSUNG/ LG/ VOLTAS</li><li>• Split AC with Inverter Compressor: Variable Speed Compressor which adjusts Power depending on Heat Load</li><li>• Capacity: 1.5 Ton</li><li>• Energy Rating: 5 Star</li><li>• Warranty: 10 Years on Compressor with Gas charging, 5 Years on PCB and 1 Year on Item</li><li>• Special Features: Dual Inverter Compressor, convertible 4-in-1, 2 Way Air Swing, HD Filter with Anti-Virus Protection, Ocean Black Fin, Ocean Black Protection, Low Gas detection, EZ Clean Filter, Stabiliser-free operation, 100% Copper Condenser, Hi-Grooved Cooper, Smart Diagnosis, Comfort Air, Magic Display, Auto Clean, Auto Restart</li></ul>
12	<p><b>External Hard Disk:</b></p> <ul style="list-style-type: none"><li>• Preferred Brand: SEAGATE/ Western Digital</li><li>• Specifications: 1TB, Wired</li></ul>

*Jacob*  
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13

## Devices and Components for Arduino Programming:

- Arduino UNO R3 Board with DIP ATmega328P
- USB Cable (for Arduino)
- DC Power Adaptor (Input: AC 100-240V - 50/60Hz 0.3A, Output: 12V == 2A)
- Breadboard 83x55mm
- Generic Jumper Wires Male to Male, Male to Female
- ESP8266 WiFi Module
- 5mm Red, Green, Blue LED
- Self-locking Button
- Button
- 5V Active Buzzer
- Ceramic Capacitor 100nF
- Electrolytic Capacitor 47uF
- Ultrasonic Sensor
- Magnetic Reed Switch
- Infrared Remote Controller (with a CR2025 Battery 160mAh)
- Touch Sensor
- Male-to-Male Breadboard Wires
- Male-to-Female Breadboard Wires
- 9V Battery Connector
- Battery Holder
- Temperature and Humidity Sensor (DHT11)
- 16X02 LCD
- IR Receiver Sensor
- PIR Motion Sensor
- 8mm Common Anode RGB LED
- 5V 10A 2 Channel Relay Module Shield for Arduino
- 10K ohm Resistor
- 220 ohm Resistor
- Distance Ranging Sensor
- Light Sensor
- Degree of Flex Sensor
- Pressure Sensor
- Proximity Sensor
- Sound Detecting Sensor
- RGB and Gesture Sensor
- Humidity and Temperature Sensor
- Water Level Depth Detection Sensor for Arduino
- LDR Light Sensor Module - (compatible With Arduino)
- ENC28J60 Ethernet LAN Module
- Potentiometer

  
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14	<p><b><u>Devices and Components for Raspberry Pi Programming:</u></b></p> <ul style="list-style-type: none"><li>• Raspberry PI4 Model B (4GB)</li><li>• Raspberry PI4 Official Case (modular)</li><li>• Raspberry Pi 15.3W USB-C Power Supply for Raspberry Pi 4 Model B (4GB Model) (official)</li><li>• Raspberry Pi Keyboard (official)</li><li>• Raspberry Pi Mouse (official)</li><li>• USB Hub with provision for External Power Source</li><li>• 32GB (minimum) MicroSD Card with latest NOOBS OS for Raspberry Pi</li><li>• Micro SD USB Adapter</li><li>• Micro-HDMI to HDMI Cable 1.3 metre</li><li>• 1 Metre Gigabit Ethernet Cable</li><li>• Heat Sinks for Raspberry Pi 4</li><li>• Fan for Raspberry Pi 4</li><li>• Infrared Sensor</li><li>• DS1302 Real Time Clock Module (with Battery)</li><li>• Human body (PIR) Pyroelectric Infrared Motion Sensor (HC-SR501)</li><li>• Ultrasonic Distance Sensor (HC-SR04)</li><li>• Temperature Sensor</li><li>• DHT11 Digital Temperature and Humidity Sensor Module</li><li>• Soil Moisture Hygrometer Detection Humidity Sensor Module</li><li>• Relay</li><li>• Raspberry Pi RC-A-015 8 MP Noir Camera Board</li></ul>
15	<p><b><u>Tools:</u></b></p> <ul style="list-style-type: none"><li>• Needle-nose Pliers</li><li>• Wire Strippers</li><li>• Precision Screwdriver Set</li><li>• Flush Cutters</li><li>• Electrical Line Tester</li><li>• Fine Tip Straight Tweezers</li><li>• Digital Multimeter</li><li>• Soldering Iron</li><li>• RJ45 RJ11 RJ12 CAT5 CAT 6 UTP Network LAN Cable Tester Test Tool</li><li>• Panavise Jr.</li><li>• Solder Sucker</li><li>• Bosch GSB 500W 500 RE Tool Set</li><li>• D-Link Crimping Tool</li></ul>

  
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## 4. Schedule of Rates:

Sl. No.	Item & Make offered	Base Rate [INR]	Value of GST@18% [INR]	Unit Price [INR]	Quantum	Total Price [INR]	Delivery Schedule [No. of Days]
[A]	[B]	[C]	[D]	[E = C+D]	[F]	[G = E x F]	[H]
1	DeskTop Computer Set .....				2 nos.		
2	Offline UPS .....				3 nos.		
3	Workstation Computer .....				1 no.		
4	Laptop Computer .....				1 no.		
5	Laptop Computer .....				1 no.		
6	Tablet Device .....				1 no.		
7	Mobile Phone .....				2 nos.		
8	Printer .....				1 no.		
9	WiFi Access Point .....				1 no.		
10	PoE Switch .....				1 no.		
11	Air Conditioner .....				1 no.		
12	External Hard Disk .....				2 nos.		
	Devices and Components for Arduino Programming	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
13	• Arduino UNO R3 Board with DIP ATmega328P				10 nos.		
	• USB Cable (for Arduino)				10 nos.		
	• DC Power Adaptor (Input: AC 100-240V -				10 nos.		

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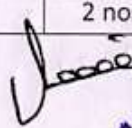
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16

	50/60Hz 0.3A, Output: 12V == 2A)					
	• Breadboard 83x55mm				10 nos.	
	• Generic Jumper Wires Male to Male, Male to Female				5 pkt.	
	• ESP8266 WiFi Module				10 nos.	
	• 5mm Red, Green, Blue LED				3 pkt.	
	• Self-locking Button				1 pkt.	
	• Button				1 pkt.	
	• 5V Active Buzzer				1 pkt.	
	• Ceramic Capacitor 100nF				1 pkt.	
	• Electrolytic Capacitor 47uF				1 pkt.	
	• Ultrasonic Sensor				5 nos.	
	• Magnetic Reed Switch				1 pkt.	
	• Infrared Remote Controller (with a CR2025 Battery 160mAh)				2 nos.	
	• Touch Sensor				2 nos.	
	• Male-to-Male Breadboard Wires				20 pc.	
	• Male-to-Female Breadboard Wires				20 pc.	
	• 9V Battery Connector				2 nos.	
	• Battery Holder				2 nos.	
13	• Temperature and Humidity Sensor (DHT11)				4 nos.	
	• 16X02 LCD				2 nos.	
	• IR Receiver Sensor				2 nos.	
	• PIR Motion Sensor				2 nos.	
	• 8mm Common Anode RGB LED				4 nos.	
	• 5V 10A 2 Channel Relay Module Shield for Arduino				10 nos.	
	• 10K ohm Resistor				2 pkt.	
	• 220 ohm Resistor				2 pkt.	
	• Distance Ranging Sensor				2 nos.	
	• Light Sensor				5 nos.	
	• Degree of Flex Sensor				2 nos.	
	• Pressure Sensor				2 nos.	

  
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	• Proximity Sensor				4 nos.		
	• Sound Detecting Sensor				4 nos.		
	• RGB and Gesture Sensor				4 nos.		
	• Humidity and Temperature Sensor				4 nos.		
	• Water Level Depth Detection Sensor for Arduino				2 nos.		
	• LDR Light Sensor Module - (compatible With Arduino)				2 nos.		
	• ENC28J60 Ethernet LAN Module				2 nos.		
	• Potentiometer				2 nos.		
	<b>Devices and Components for Raspberry Pi Programming:</b>	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
14	• Raspberry Pi4 Model B (4GB)				4 nos.		
	• Raspberry Pi4 Official Case (modular)				4 nos.		
	• Raspberry Pi 15.3W USB-C Power Supply for Raspberry Pi 4 Model B (4GB Model) (official)				4 nos.		
	• Raspberry Pi Keyboard (official)				4 nos.		
	• Raspberry Pi Mouse (official)				4 nos.		
	• USB Hub with provision for External Power Source				4 nos.		
	• 32GB (minimum) MicroSD Card with latest NOOBS OS for Raspberry Pi				4 nos.		
	• Micro SD USB Adapter				4 nos.		
	• Micro-HDMI to HDMI Cable 1.3 metre				4 nos.		
	• 1 Metre Gigabit Ethernet Cable				4 nos.		
	• Heat Sinks for Raspberry Pi 4				4 nos.		
	• Fan for Raspberry Pi 4				4 nos.		

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	• Infrared Sensor				2 nos.		
	• DS1302 Real Time Clock Module (with Battery)				2 nos.		
	• Human body (PIR) Pyroelectric Infrared Motion Sensor (HC-SR501)				2 nos.		
	• Ultrasonic Distance Sensor (HC-SR04)				2 nos.		
	• Temperature Sensor				2 nos.		
	• DHT11 Digital Temperature and Humidity Sensor Module				2 nos.		
	• Soil Moisture Hygrometer Detection Humidity Sensor Module				2 nos.		
	• Relay				4 nos.		
	Raspberry Pi RC-A-015 8 MP Noir Camera Board				2 nos.		
	<b>Tools:</b>	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	• Needle-nose Pliers				2 nos.		
	• Wire Strippers				2 nos.		
	• Precision Screwdriver Set				1 set		
	• Flush Cutters				2 nos.		
	• Electrical Line Tester				1 no.		
	• Fine Tip Straight Tweezers				2 nos.		
15	• Digital Multimeter				2 nos.		
	• Soldering Iron				2 nos.		
	• RJ45 RJ11 RJ12 CAT5 CAT 6 UTP Network LAN Cable Tester Test Tool				1 no.		
	• Panavise Jr.				2 nos.		
	• Solder Sucker				2 nos.		
	• Bosch GSB 500W 500 RE Tool Set				1 set		
	• D-Link Crimping Tool				1 no.		
<b>Value (INR)</b>							

N.B.: Quantum of order might be revised at a subsequent stage without any revision in offered rate/price

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Name of the Bidder: .....

Address of the Bidder: .....

.....

Contact Number(s) of the Bidder: .....

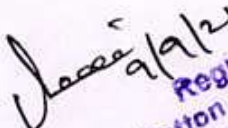
E-Mail ID(s) of the Bidder: .....

Type of Business Entity of the Bidder (Proprietorship/Partnership Firm/Company): .....

Full Name (in BLOCK Letters) of the Authorized Signatory: .....

Full Signature of the Authorized Signatory with Date: .....

Office Seal/Stamp:

  
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(Prof. Manjit Kumar Bhatta)  
Registrar in Charge