



अग्रमतेन वेदव्यम्

COTTON UNIVERSITY

Panbazar, Guwahati-781001, Assam, India

www.cottonuniversity.ac.in :: 0361-2601100/2733530 :: registrar@cottonuniversity.ac.in

Notice Inviting Bids

NIB No. CU/S&P/2019/06 Dated March 19, 2019

Sealed covers containing bids are invited from eligible manufacturers or authorized dealers/vendors in two-bid (techno-commercial and financial) system for **supply and installation of equipment at Department of Physics relating to a research project funded by CSIR.**

The bidding document along with ICICI Bank Challan-FEE CODE 011 which is meant for payment of a **processing fee (non-refundable) of INR 500/-** can be downloaded from the University's official website i.e. www.cottonuniversity.ac.in Sealed covers containing the bids and addressed to "Registrar, Cotton University, Guwahati, PIN-781001, Assam" are required to be submitted during office hours **on or before 2:00PM of April 03, 2019** while the bid opening may be done on the following working day at 11:00AM which the bidders may attend.

Prof. Diganta Kumar Das
20/3/19

(Prof. Diganta Kumar Das)

Registrar

Registrar

Cotton University

Panbazar, Guwahati-781001, Assam

Memo No. CU/S&P/2019/03/2709-15

Dated 20/3/19

Copy for information and necessary action to:

1. The PS to the Vice Chancellor
2. The Head, Dept. of Physics
3. Dr. Sukanta Deb, P.I. of CSIR funded project, Dept. of Physics
4. The Finance Officer
5. The Systems Manager; he is requested to upload this notice in the University's website
6. The notice board
7. The concerned office file

Prof. Diganta Kumar Das
20/3/19

(Prof. Diganta Kumar Das)

Registrar

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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. There is a **processing fee (non-refundable)** of **INR 500/-**, to be deposited through the **Bank Challan-FEE CODE 011** at any of the branches of **ICICI Bank**. The **soft copy** format of the required challan may be **downloaded** from the University's official website www.cottonuniversity.ac.in for which it has been made available therein alongside the concerned Notice Inviting Bids.
- 1.2. The **counterfoil (University Copy) of the aforementioned bank challan** [implicating payment of the necessary processing fee] is required to be submitted **along with the bidding document**.
- 1.3. 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 details/ specifications of item(s) in addition to commercial terms and conditions as well as details of required compliances; and
 - ii. **'Financial Bid'**, indicating item-wise base rate(s)/ price(s) for all the item(s) listed in the relevant Techno-commercial Bid.
- 1.4. The **two separate, sealed sub-envelopes** mentioned in Clause 1.3 are required to be placed inside a **comparatively bigger sealed envelope** clearly super-scribed on the top of the same as **"SUPPLY AND INSTALLATION OF EQUIPMENT AT DEPARTMENT OF PHYSICS RELATING TO A RESEARCH PROJECT FUNDED BY CSIR :: NIB No. CU/S&P/2019/06 Dated March 19, 2019"**. 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 addressed to **"Registrar, Cotton University, Guwahati, PIN-781001, Assam"** must be submitted during office hours in the Drop-Box arranged for the purpose on or before **2:00PM of April 03, 2019**.
- 1.5. **Techno-commercial bid opening may be done on the following working day at 11:00AM** 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 will 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 not be entertained under any circumstances whatsoever**.
- 1.7. Any **addendum, corrigendum, etc.** will be **posted on the University's website** only. As such, it is in the bidder's interest to stay alert regarding such notices/notifications.
- 1.8. **All bids** received will be **opened, scrutinized and evaluated by a committee constituted** for the purpose of **selection and recommendation** with respect to award of contract.
- 1.9. **Evaluation** shall be done **separately for each category of items** as deemed fit by the committee.
- 1.10. The University shall **deal with the bidder directly**, and thus, **no middle-men/ agents/ commission agents** etc. should be asked or encouraged by the bidder to represent their cause.
- 1.11. **All pages** of the bidding document and supporting materials, annexure/enclosures etc. must be **sealed and signed** by the bidder or their authorized signatory. **All entries** by the bidder should be **legibly written**. Any **over-writing, corrections and cuttings** should bear **initials of the authorized signatory**. Ideally, **corrections** should be made by **writing again instead of 'shaping' or over-writing**.

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- 1.12. The employees of Cotton University or their immediate family members shall not be eligible to participate in the bidding process. For the purpose of this clause, immediate family members comprise dependent parents, sons, daughters, brothers, sisters and spouse.
- 1.13. Only the sought for information and details are required to be provided with the bidding document. However, if the bidder desires to present additional information, the same may be provided on A-4 size white coloured sheet of paper.
- 1.14. The bidder submitting their bid shall be deemed to have read and unconditionally accepted all terms and conditions stated herein. No correspondence, be they verbal or written enquiries, shall be entertained in respect of acceptance or rejection of their bid.
- 1.15. Non-conformity to any of the stipulated terms and conditions and/or non-submission of any of the documents/ testimonials/ fees etc. mentioned below in the 'Enclosures-cum-Checklist' section, shall amount to the bid being incomplete thereby disqualifying the bidder owing to which their bid will not be considered but instead summarily rejected by the bid opening and evaluation committee.
- 1.16. Financial Bid of only the techno-commercially acceptable offers shall be opened for the purpose of evaluation (and ranking). Date and time of opening of Financial Bids may be intimated to shortlisted bidders separately.
- 1.17. Base rate(s)/ price(s)/ values must be quoted in the Indian currency, i.e. Indian Rupees (INR) only.
- 1.18. The bidder shall quote the most competitive rate(s)/ price(s). Quoted price(s) [which is/ are not to be higher than the maximum retail price (MRP) under any circumstances whatsoever] must be inclusive of all taxes and duties, charges for packaging/forwarding/freight, etc. Insurance, wages of manpower, and other incidental expenses must be borne by the selected bidder themselves.
- 1.19. In case the bidder quotes zero/ nil/ blank against the respective columns of each item in 'Schedule of Prices', the bid shall be treated as invalid and the bidder will not be considered the lowest.
- 1.20. If base rate(s)/ price(s) etc. are quoted in a format other than the one which is prescribed in the bidding document, then the bid is liable to be cancelled. The bidder must clearly specify the base rate(s) and value of GST to be paid extra, failing which their quoted 'price' will be considered as 'base rate' for comparison and evaluation purpose. 'Schedule of Prices' must be carefully and properly filled up. Please note that no corrections and/or alterations in the Financial Bid will be permitted.
- 1.21. The lowest rate(s)/ price(s) will be determined based on evaluation of quotes belonging to only the techno-commercially qualified bidders. The lowest bidder determined by the University shall be issued purchase order or offered the award of contract. The relevant offer based on the lowest base rate(s)/ bid price(s) or any other rate(s)/ price(s) to be decided by the University, would need to be accepted within stipulated number of days (to be intimated in due course of time) from the date of issue of the aforementioned offer. Failure to accept the offer within that time frame will automatically result in cancellation of the offer.
- 1.22. After receiving necessary approval of the University authority, the lowest base rate(s)/ price(s) of the item(s) listed in the Techno-commercial Bid may be kept constant/ fixed/ valid for a period ranging from six months to one year from date of issue of the first/ original purchase order. The successful bidder shall deliver the listed item(s) at their approved base rate(s)/ price(s) as per University's requirement when and wherever necessary.

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- 1.23. 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.
- 1.24. **Warranty against defects of manufacturing/ workmanship/ mishandling during storage and transit etc. as regards the item(s) [to commence from the date of installation-cum-commissioning]** must be provided by the successful bidder.
- 1.25. The successful bidder shall **deliver the ordered item(s) at the Dept. of Physics, Cotton University or the place as instructed during or prior to delivery and also collect item(s) for return, if any.**
- 1.26. The necessary **on-site installation-cum-commissioning and on-site training** (if any) shall be carried out by authorised representative(s) of the successful bidder entirely **at their own risk and free-of-cost** in the presence of authorised personnel from the concerned academic department of the University or stakeholder(s) of the research project.
- 1.27. The bidder should **clearly state in the bid/ offer** if there is any **rebate or discount** admissible or will be given to the University on the item(s) quoted.
- 1.28. The successful bidder must **supply** the item(s) and provide associated service and support/assistance 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.**
- 1.29. The successful bidder shall provide **prompt after-sales service and support whenever and wherever called for.** By having an alternative backup plan for continued availability of human resource, the bidder shall ensure that there is **no disruption of services because of absenteeism** of manpower. **Apart from providing the required services,** as and when called for, the successful bidder shall **discharge any other duties,** which in the opinion of the University are **within the scope of work** of the bidder, and that such duties shall be carried out **with due diligence and care.**
- 1.30. The successful bidder will engage **suitable and experienced personnel** as may be needed to **supervise and guide the subordinate personnel for proper completion of the work** as per direction of such officer(s)/official(s) as may be designated by the University. The bidder is **overall and fully responsible for the good conduct and character of the manpower** deployed. In case of any **complaint** against any staff, the bidder shall be under mandatory obligation to **suitably punish such personnel** or to **take such other action** as may be directed **including removal or substitution of such personnel** when instructed orally or in writing by the designated officer(s)/official(s).
- 1.31. The **successful bidder and their representative(s)** shall be **liable to be dealt suitably** in the event of **infringement of any law.** Any **financial liability arising on the University as principal employer** shall be **deducted from the bills/invoices of the bidder** and if the **full amount is not recovered,** then the **same shall be recovered from the security money** (if any) of the bidder.

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- 1.32. In case the **work carried out by the successful bidder or its personnel is not found satisfactory**, the bidder upon advice, directions or orders from the University shall **take immediate necessary steps** so as to **provide prompt, uninterrupted and effective services**, as per terms of the contract.
- 1.33. In case the **successful bidder fails in fulfilling the obligations** of work under the 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 amounts due to the bidder** including their security deposit (if any).
- 1.34. The **manpower deployed by the successful bidder** for carrying out the obligations under the terms of the supply contract shall be **employees of the bidder**. **No relationship of master and servant** would be created **between the deployed manpower and the University** under this contract. The **bidder shall be solely responsible for their affairs** and will be bound to comply with the statutory obligations as and where applicable. These **personnel shall have no claim whatsoever**, to be treated as **employees of the University**. In the event of any such claims being made by the personnel of the successful bidder on the University, the bidder shall be wholly responsible and the bidder shall indemnify the University against any such claims, either monetary or otherwise.
- 1.35. 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 will 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. The bidder shall also **indemnify the University and its officer(s)/official(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**.
- 1.36. 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 or manipulated**, then the **supply contract** shall stand **cancelled with immediate effect** and **security deposit** (if any) with the University shall be **forfeited** without any claim whatsoever against the University.
- 1.37. 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 **permission by the University to enter the premises only for the purpose of carrying out the contractual obligations** and not for any other reasons or purposes. **Prior permission** will have to be obtained by the bidder or their authorized representatives **from the University** in the event of them being required to **remain on the University's premises beyond the stipulated time and/or on Sundays and fixed public holidays** for any reasons whatsoever.
- 1.38. **Mere submission of bid** does not confer any right on any eligible bidder for being selected as the **supplier** for this bid.
- 1.39. **Selection will not ipso facto confer any right** on the successful bidder to receive purchase orders from the University, meaning that it shall in **no way guarantee or ensure allotment of work**. The University reserves the **right to procure the item(s) from any other vendor(s) who is not selected** as per this or any other bid.

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- 1.40. If, in the course of execution of the contract 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**, 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**.
- 1.41. The successful bidder shall **not delegate or sublet the supply assignment or any part thereof to any other agency/ entity/ 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.
- 1.42. **For any deficient services**, the University reserves the **right to terminate the contract** and initiate such further **penal/ legal action** as deemed appropriate.
- 1.43. **No advance payment** shall be made to the successful bidder. In order **to receive payment** against the assignment so executed, the bidder shall submit **triplicate copies of bill(s)/invoice(s) and relevant supporting documents**. However, **payment** shall be made only **after due scrutiny, verification and endorsement** of the same by **authorized personnel** who shall necessarily be officer(s)/official(s) designated by the University for the aforementioned purpose.
- 1.44. **Statutory levies and taxes**, as applicable from time to time, shall be **deducted at source from the bill(s)/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 will be issued by the University. GST and other taxes, as applicable from time to time, shall be paid as per rules.
- 1.45. The successful bidder is **liable to forfeit their security deposit** (if any) and **be barred from future bidding** if **after receipt of purchase order, they fail to supply the item(s) and/or fulfil due obligations**.
- 1.46. The University reserves the **right to cancel the supply contract 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 shall be deemed to have been properly served for any of the purposes mentioned herein.
- 1.47. **The Registrar, Cotton University or any officer(s)/official(s) authorized** by the University, has 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** regarding default on the part of the bidder as regards terms and conditions of the bid. **No bidder** shall be allowed to be **represented by legal expert** during the course of any **investigation, enquiry, appeal or any other proceeding** conducted by or before any officer/official of the University against the bidder.
- 1.48. 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 requirements at any point of time**. The University reserves the **right to accept the offers in full or in parts or reject summarily or partly**. The University reserves the **right to accept, consider or reject any or all of the offers without assigning any reason** in lieu thereof. The decision of Cotton University in respect of scrutiny and evaluation of credentials of bidders as well as selection of the successful bidder(s) shall be intimated by the office.

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- 1.49. The decision of Cotton University on all matters connected with or incidental to selection shall be final and binding on all and shall not be called in question on any ground.
- 1.50. Cotton University reserves the right to call for any information and record, inspect the premises (if any) of any or all of the bidders, before as well as, during subsistence of the supply contract.
- 1.51. In the event of any dispute or difference between the parties 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. No bidder shall be allowed to be represented by a legal expert during any proceeding of mutual discussions and consultation. The dispute shall be so settled only when the same has arisen during subsistence of the contract and that the decision taken by the Registrar, Cotton University shall be final and binding on all parties. In other words, 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.
- 1.52. The law of the land shall apply to the supply contract arising out of this bid. All disputes in this connection and all matters arising out of the contract shall be settled exclusively in the courts under Kamrup Metropolitan district jurisdiction.

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2. Enclosures-cum-Checklist:

- **Documents etc.** which must be placed **inside** the sub-envelope titled '**Techno-commercial Bid**' are:
 - i) Copy of **evidence indicating submission of the processing fee worth INR 500/-**
 - ii) Copy of **bidding document duly sealed and signed by the authorised signatory**
 - iii) An **undertaking** on the letterhead of the bidder **clearly stating that all terms and conditions stipulated in the bidding document are unconditionally acceptable and that the bidder has never been blacklisted by any government/ non-government organization/ Public Sector Undertaking in the preceding three(3) years**
 - iv) Copy of **certificate indicating Original Equipment Manufacturer (OEM)/ dealership authorization (where applicable)**
 - v) A **compliance statement** on the letterhead of the bidder mentioning **University's preferred item specifications and warranty vis-à-vis bidder's offered item specifications and warranty**
 - vi) Copy of manufacturer's **Product Brochure** indicating details of item(s) offered
 - vii) Copy of valid/ up-to-date **trade license issued by the competent authority under respective jurisdiction**
 - viii) Copy of **PAN card**
 - ix) Copy of **certificate pertaining to GST registration**
 - x) Copy of document(s) indicating **income tax returns (ITR) filing for last two(2) financial years (i.e. 2016-17 and 2017-18)**
 - xi) Copy of **documents [purchase orders/ work completion certificates/ invoices] indicating prior work experience of similar nature**

- **Document(s) etc.** which must be placed **inside** the sub-envelope titled '**Financial Bid**' are:
 - a) Copy of the prescribed format of '**Schedule of Prices**' duly filled up in neat and legible handwriting
 - b) Copy of the manufacturer's **Price Catalogue** involving the items listed in the Technical Bid (if and where applicable)

[Handwritten Signature]

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3. Specifications:

Sl. No.	Equipment	Particulars
1	Workstation	<ul style="list-style-type: none"> ▪ Processor: Intel Xeon E-2144G 4Core 3.6Ghz 8MB ▪ Chipset: Intel® C246 chipset ▪ RAM: 2 x 16GB DDR4 ECC Memory & speed should be 2666 MHz or better 4 DIMM slots, supporting up to 64GB ECC/ non-ECC, DDR4 2666 MT/s ▪ BIOS: BIOS of the Workstation to have tool for Enhanced security features like self healing, regular checks ▪ Drive Controllers: Integrated SATA controller with minimum 4 x 6Gbps ports and SATA Controller should support RAID 0, 1 RAID 5 is supported by Software XOR ▪ HDD: 2 x 2TB SATA 7200 RPM HDD Provision for installing up-to 3 SATA or SSD drives ▪ Optical Drive: Slim DVD+/-RW Double Layer SuperMulti (SATA) drive ▪ Graphics Card: Integrated HD Graphics Graphics card & System should support up to NVidia P5000 16GB CARD in future ready Certified drivers for CAD applications to be supplied ▪ Keyboard and Mouse: Minimum 104 keys USB Keyboard and USB Optical Scroll mouse - Same make as that of the workstation ▪ Audio: High Definition Integrated Audio with Internal speaker ▪ Communications: Integrated Intel® I219LM GbE Controller with Intel® vPro™ with Intel® AMT 12.0 support ▪ Bays/ Slot: 2 x 3.5-inch Internal Bays & 2 x External Half-Height 5.25-inch bays 1x PCIe Gen3 x16 slot 1 x PCIe Gen3 x4 slot/ x16 connector 1 x PCIe Gen3 x1 slot/ x4 connector 1 x PCIe Gen3 x1 slot/ x4 connector 2 x M.2 storage (PCIe Gen3 x4) 1 M.2 Wlan (PCIe Gen3 x1+ intel CNVI) ▪ Security: BIOS controlled electro-mechanical internal chassis lock for the system ▪ Ports: Front: 2 X USB 3.0 with one option for charging data Port, 1 x Headphone/ Microphone 1 x USB 3.1 Gen2 Type-C Charging & Data Port (Optional), Choice to provide 1 x SD Card Reader (Optional)

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Rear: 4 x USB 3.0 ports, 2 x USB 2.0 ports, 1 serial port (optional), RJ-45 (LoM), 1 x Option of Flex IO port (3rd DisplayPort™/ HDMI/ VGA/ 2nd 1GbE LAN/ USB-C 3.1 Gen2 Charging Data Port/ Thunderbolt™ 3.0-Thunderbolt™ 3.0 PCIe card) 1 x Audio Line-in, and 1 Audio Line-out

- **Operating System:** All drivers required for proper integration of components should be supplied by the vendor
All latest drivers should be available to download from vendor's website
System should support for Red Hat® Enterprise Linux Desktop 7.5 & Ubuntu 16.04.4 LTS
- **Form Factor with Tool free Design:** Convertible Mini Tower with tool-less entry and maintenance
System should feature Active Acoustic Reduction, with low noise level
System should be rack-mountable
- **Power Supply:** 500W wide-ranging, active Power Factor Correction, 90 Efficient
- **Remote Collaboration Software:** Hardware or Software based Remote Collaboration system which can help remotely access 3D data across network has to be supplied with the system
Hard ware or Software should be workstations OEM Proprietary version
Software should come from the factory preinstalled
It should allow collaboration between multiple participants on an OpenGL 3D or DirectX applications
It should support One to One for remote work and One to Many for collaboration with keyboard and mouse control
Application should be stateless and should not transfer actual data over the network
Pixel information or images should be 128 SSL encrypted
Should work on both Linux and Windows, and should be inter-operable
- **Additional Software:** The hardware vendor should supply an automatic system performance tuning and monitoring software on Windows
The tuning software should have modules for resource monitoring over a long period of time,

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		<p>and should be capable of showing GPU utilisation (GPU, Graphics memory and Codec activity) for both Graphics and GPU Compute cards</p> <p>A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system</p> <ul style="list-style-type: none">▪ Warranty: 3 years onsite parts and labour warranty for system▪ Vendor Status: The hardware vendor should be a reputed concern, having global presence in multiple countries The vendor should have ISO certifications▪ Dust Filter: OEM should provide serviceable dust filter for avoiding workstation failures due to dust and it should be connected into the workstation▪ Certifications: Window OS and Linux Certification, EPEAT India registered
2	UPS	<ul style="list-style-type: none">▪ Rating (VA/Watts): 1000VA/ 600W▪ Input Voltage Range: 140-295 Vac▪ Input Frequency: 50Hz/ 60Hz (Auto Sensing)▪ Output Voltage: 230V▪ Output Voltage Regulation: 230V±10%▪ Transfer Time: 4ms - 10ms typical▪ Output Frequency: 50Hz/ 60Hz▪ Output Wave Form: Stepped Sine-wave▪ Battery Ah * Qty: 7Ah * 2 Nos.▪ Battery Voltage: 24V▪ Front Display: LED▪ Indicator: Main ON/ On Battery/ Low Battery/ Fault/ Overload▪ Alarm: ON Battery/ Fault, Over load, Low Battery▪ Protection Features: Mains AC Input Low/ High, Battery mode Input Low/ High, Short circuit trip Mains/ Battery, Over load Trip-Mains/ Battery mode▪ Warranty: 2 years onsite with battery

[Signature]

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3	Laptop	<ul style="list-style-type: none"> ▪ Processor: Intel Core i5 7200U or higher , 2.5GHz ,3MB Cache or higher ▪ Chipset: Chipset is integrated with processor ▪ Graphics: 2 GB dedicated graphics ▪ Memory: 4GB DDR4, expandable up to 8GB ▪ Hard Drive: 1 TB SATA HDD 5400 RPM ▪ Optical Drive: DVD-Writer ▪ Audio: 2 Integrated Stereo speakers ▪ Display: 15.6 inch (39.62cm) FHD Anti-Glare LED Display , 1920 x 1080 Pixels ▪ Camera: Truevision HD Camera ▪ Ports: 2 USB 3.1 Gen 1; 1 USB 2.0; 1 HDMI 1.4b; 1 VGA; 1 RJ-45; 1 headphone/ microphone combo; 1 AC power ▪ Expansion Slots: 1 multi-format digital media reader ▪ Security Management: Main TPM 2.0 , Security lock slot ▪ Power: 65 W external AC power adapter ▪ Battery Type: 3-cell, 31 Wh Li-ion; 4-cell, 41 Wh Li-ion ▪ Battery Life: Up to 12 hrs ▪ Wireless Technology: Wi-Fi and Bluetooth ▪ Communication: Gigabit Ethernet (10/100/1000) ▪ Operating System: Free DOS/Ubuntu ▪ OS Support: Windows 10 , Ubuntu Linux ▪ Accessories: Back pack carry bag ▪ Energy Efficiency Compliance: ENERGY STAR® certified and EPEAT® Silver registered configurations available ▪ Warranty: 1 year onsite
4	Multifunctional Colour Printer	<ul style="list-style-type: none"> ▪ Printing Method: PrecisionCore™ Print Head ▪ Minimum Droplet Size: 3,3, pl , with Variable -sized Droplet Technology ▪ Ink Technology: Pigment Black and Dye colour Inks ▪ Printing Resolution: 4800 x 1200 dpi ▪ Nozzle Configuration: 400 Nozzles black , 128 Nozzles per colour ▪ All-in-One Functions: Print, Scan, Copy ▪ Print Speed ISO/IEC 24734: 15 pages/min Monochrome , 8 pages/min Colour

Registrar

Cotton University

Panbazar, Guwahati-781001, Assam



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अप्रमत्तेन वेदव्यम्

- Maximum Printing Speed: 33 pages/min Monochrome (plain paper), 20 pages/min Colour (plain paper), 69 Seconds per 10 x15 cm photo (Premium Glossy photo paper)
- Colours: Black, Cyan, Yellow, Magenta
- Scanning Resolution: 1200 dpi x 2400 dpi (Horizontal x Vertical)
- Scanner Type: Contact Image Sensor (CIS)
- Output Formats: BMP, JPEG, TIFF, PDF
- Number of Paper Trays: 1
- Paper Formats: A4, A5, A6, B5, C4 (Envelope), C6 (Envelope), DL (Envelope), No.10 (Envelope), Letter, 9x13 cm, 10x15 cm, 16:9, Legal
- Duplex: Yes
- Automatic Document Feeder: 30 pages
- Paper Tray Capacity: 150 sheet Standard, 150 sheets maximum, 20 photo sheets
- Media Handling: Auto sheet feeder, Automatic duplex, Borderless Print
- Energy Use: 12 W (standalone copying , ISO/IEC 24712 pattern), 0.9 W (sleep mode), 5.3 W (Ready), 0.3 W (Power off), Energy STAR qualified
- Product Dimensions: 375 x 347 x 231 mm (Width x Depth x Height)
- Product Weight: 7.3 kg
- LCD Screen: Type: Colour, Touch-panel, Diagonal: 6, 1 cm
- Warranty: 12 months, 50,000 pages

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অসম চৰুণ বিশ্ববিদ্যালয়

4. Schedule of Prices:

Sl. No.	Item	Base Rate (INR)	HSN Code	Rate of GST (%)	Value of GST (INR)	Unit Price (INR)	Quantity (nos.)	Total Price (INR)
[A]	[B]	[C]	[D]	[E]	[F]	[G = C+F]	[H]	[I = G X H]
1	Workstation						2 sets	
2	UPS						2 nos.	
3	Laptop						1 no.	
4	Multifunctional Colour Printer						1 no.	

[Signature]

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