



## तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)

(A Central University established by an Act of Parliament)

कुल सचिव का कार्यालय/ OFFICE OF THE REGISTRAR

नपाम::तेजपुर-784028::असम

NAPAAM::TEZPUR-784028::ASSAM

### NOTICE INVITING TENDER (NIT)

Online Tenders in 02 bid System (Technical and Financial) are invited through GEM, from reputed manufacturers/authorized dealers for supply, installation and commissioning of **Centralized Server based Biometric Attendance System**. (*Details of technical specification for the above stated item enclosed at (Annexure -I)*)

Please read the NIQ document carefully before participating in the bid. It shall be deemed that submission of bid by the bidder has been done after 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 University 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 Tezpur University of the benefits of free and fair competition. Corrupt Practice means 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.

For any queries /doubt please contact the Store & Purchase Section (E-mail [snp@tezu.ernet.in](mailto:snp@tezu.ernet.in))

#### General Information about the NIT

**Last date and time for submission of Bids : As per GEM Bid**

**Date and Time of opening of Bids : As per GEM Bid**

**Note:** Acceptance of this Additional Terms & Conditions (ATC) is mandatory on the part of seller at the time of e-bidding through GeM. Scan copy of this ATC duly signed by the contractor/proprietor is to be uploaded on GeM portal along with other mandatory documents. All other terms and conditions of GeM will also apply on.

#### **Terms and Conditions (Specific):**

- 1. OEM Certification:** The bidder must submit **Tender Specific Authorization Certificate** of the OEM for this tender in a letter head, duly issued by the OEM to the participating bidder. The Authorization letter should be duly ink-signed by the OEM authorized signatory.
- 2. Compliance of Technical Specifications:** The bidder should note that the technical specifications mentioned at **Annexure - I** will form the core of the product. The bid must strictly be as per the specifications given. At the same time, it must be noted that mere copying of our specifications in the quotation shall not make the technical bid eligible for consideration. **A bid has to be supported with original catalogue of the quoted item/s duly signed by the authorized person participating in the bid.** Non-compliance with the above conditions shall be treated as incomplete/ambiguous and the bid shall be ignored without giving an opportunity to the bidder for further clarification/negotiation etc.
- 3. Preference for Indian-Made Products:**  
Preference will be given to products manufactured in India. For components sourced from

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outside India, the products must be tested for malware, and a certificate confirming this should be provided.

#### 4. **BIS Certification:**

The bidder must provide BIS certification for the subject items/products.

#### 5. **OEM Integrity and Legal Standing:**

The OEM of the Biometric Attendance System should not be blacklisted or barred by any government department or country. The OEM should not have any fraud or cheating cases filed against their company related to the product line.

#### 6. **Service/Support Centre in the State:**

The agency or OEM (Original Equipment Manufacturers) should have a service/ support center within the state of Assam. Required sales and service tax certificates must be provided along with the bid.

#### 7. **Declaration by Bidder/OEM:**

The bidder must submit a declaration or undertaking on their letterhead, or from the OEM, confirming compliance with the clauses mentioned above where applicable.

#### 8. **Verification of Product Data:**

The model number and technical specifications (preferably with a link to the product page on the OEM's website) for all devices must be uploaded with the bid documents.

#### 9. **Turnkey Project:**

The entire project is considered a "Turnkey Concept," where the seller/bidder is responsible for the complete supply, installation, and commissioning of the Biometric Attendance system. The bidder shall ensure that the bid submitted by the OEM/bidder includes all accessories (as per annexures) for full execution of the contract. The bidder shall not charge extra for additional items required to meet the operational requirement at the stage of installation and commissioning.

#### 10. **Warranty Terms:**

- a. The seller guarantees that the supplied goods will be of the best quality, workmanship, and new in all respects, strictly adhering to the specifications outlined in the contract.
- b. The warranty period should be **36 months** from the date of supply, installation and commissioning of the equipment. All goods supplied must be free from defects or failures.
- c. No additional charges for site visits, repairs, replacements, or freight during the warranty period will be paid by the buyer.
- d. The seller's response time should not exceed 48 hours from the notification of any breakdown.
- e. Any defective goods reported during the warranty period must be rectified or replaced within **2 days** of intimation, provided the goods were used and maintained as per the operating manual.



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- f. If any equipment fails three times within (03) three months or displays chronic faults, it must be replaced at no cost to the buyer within **7 days** of notification. Warranty for replaced equipment will start from the date of acceptance after inspection by the buyer. The University has every right to invoke the bank guarantee if defects are not rectified within the stipulated time.

### 11. Installation, Commissioning & Demonstration:

- The supplier is required to carry out the supply, installation, commissioning & demonstration of the subject item at the campus of Tezpur University at the identified site within the delivery period; otherwise, the penalty clause will be the same as per the supply of material (refer to the liquidated damages below).
- In case of any mishandling/damage to items and supplies during carriage from the origin of items to the installation site, the supplier has to replace it with new items/supplies immediately at his own risk and cost. Supplier will settle his claim with the insurance company as per his convenience. Tezpur University will not be liable for any type of losses in any form.
- Bidder shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty period and thereafter as mentioned in the contract.
- Installation demonstration to be arranged by the supplier within the quoted price and the same is to be done within 15 days of the arrival of the equipment at site.

### 12. Liquidated Damages:

The equipment should be delivered/dispatched to destination and ready for use not later than the scheduled delivery date specified. If the supplier/Bidder fails to deliver any or all the items or perform the service by the specified date, liquidated damages @0.5% per week for the value of the delayed items/services will be deducted from the bill subject to a maximum of 10% of the ordered value. Same terms are applicable for installation, training and demonstration clause mentioned above. Delivery date means delivery, installation/commissioning date.

### 13. Right to Accept or Reject Bids:

The University reserves the right to accept or reject any or all proposals, revise the tender, request resubmissions, or cancel the process in part or full. Clarifications, explanations, or modifications arising from the pre-bid meeting will be published on the University's website.

### 14. Amendments to the Request for Proposal (RFP):

The University may modify the RFP contents through an amendment, either on its own initiative or in response to clarifications requested by prospective bidders. Any amendments will be published on the University's website and will be binding on all participating bidders. The University is not responsible for communication gaps, and may extend the bid submission deadline if necessary to accommodate amendments.

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### Terms & Conditions (General):

1. The items desired to be procured through this bid are supplementary to each other and in the execution of the project in its entirety; as such, interested participants may note that they are to quote for all the items as desired to be procured through this bid.
2. **Rates:** Rates quoted should be on **FOR Tezpur University, Napam, Tezpur, Door Delivery Basis**, for indigenous items and **CIP Tezpur University, Napam, Tezpur or Delivered Duty Paid**, for imported item. Failure to comply with this term may lead to rejection of the quotation/bid.
3. **Quotations should be accompanied by:**
  - i) **An EMD) (in the form of Demand Draft) for 13000/- (Rupees Thirteen Thousand only) only drawn in favor of 'The Registrar', Tezpur University, payable at Tezpur. No request for consideration of earlier deposited EMD will be considered.**
  - ii) **Bidders who are MSME/NSIC registered** need to furnish a **"Bid Security Declaration"** (format enclosed at Annexure-III) **in lieu of EMD** accepting that if they withdraw or modify their bids during the period of validity etc., they will be suspended for a **period of Three (03) years** from participating in any future bid invited/published by Tezpur University. Bidders who are MSME/NSIC registered seeking exemption from payment of **Earnest Money Deposit (EMD)** are to submit valid documents in support of their claim. Bidders seeking exemption are asked to clearly mention the category under which the exemption is claimed. The category of exemption under MSME/NSIC will be strictly adhered to.
  - iii) **The original copies of the EMD/Bid Security Declaration (Annexure-III) should be deposited/submitted/reach the office of the undersigned before opening of the Bids in an envelope superscribed as "Quotation/Participation Fee and EMD for Bid No. (State the Bid No. generated by GEM) addressed to the Deputy Registrar-S&P, Tezpur University. Failure to do so may result in rejection of the bid.**
4. Bidders are to ensure that they are GST compliant and that their quoted tax structure/rates are as per GST law. The rates should be exclusive of taxes, and the applicable tax percentage should be clearly indicated. Financial/Price Bid format where taxes cannot be mentioned separately. In such cases, the percentage of taxes applicable should be mentioned in the Technical Bid document.
5. Applicable levies, surcharges, and discounts should be clearly indicated item-wise.
6. The Data Sheet/catalogue of the product(s) offered in the bid is to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered.
7. **Validity of Quotation:** Quoted rates must be valid for at least **180 days** from the last date of submission of quotation.
8. **Bidder financial standing:** The bidder should not be under liquidation, court receivership, or similar proceedings and should not be bankrupt. Bidder to upload undertaking to this effect with the bid.



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9. **Manufacturer authorization:** Wherever Authorized Agency/ Distributors/Partners are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail ID, and Phone No. required to be furnished along with the bid. The authorization must be addressed to the buyer, and the bid should be specific to OEM.
10. **Bidders Turn Over Criteria:** The minimum average annual financial turnover of the bidder during the last three years, ending on 31<sup>st</sup> March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution/incorporation of the bidder is less than 3 years old, the average turnover in respect to the completed financial years after the date of constitution shall be taken into account for this criteria.
11. **OEM Turnover Criteria:** The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31<sup>st</sup> March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution/incorporation of the OEM is less than 3 years old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
12. **Basis of Evaluation:** Evaluation will be initially done based on the technical specifications as specified in the tender notice. A technical presentation may also be required to be given by the eligible bidders. Accordingly, financial bids of the technically qualified bidders will be opened.
13. **Literature a must (wherever applicable):** All the quotations must be supported by technical leaflet/literature and the specifications mentioned in the quotation must be reflected/ supported by such technical leaflet/ literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.
14. **Dealership Certificate (wherever applicable):** Dealers or Agents quoting on behalf of Manufacturer (OEM) must upload valid dealership certificate. OEM should have service centre all across Assam, toll free number, Service Matrix & SLA needs to be furnished. Product datasheet, user manuals & brochures etc. need to be furnished against the technical parameters & the same should to be available with OEM website.
15. **Quality Certificates:** Valid certificate to prove that the products are genuine and of international standard, as mentioned below, must be uploaded: (a) Manufacturer's certificate; (b) ISO/ISI certificate.
16. **Genuine Pricing:** Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this item has been sold, particularly to Universities/IITs/Institutes and other Government Organization.

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17. **PENALTY FOR DELAYED DELIVERY:** The date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning, the vendor shall be liable for a penalty deduction as per prevailing rule.
18. The University is exempted from paying Custom and Excise duty.
19. The warranty/guarantee is valid *for 03 years*, covering the repair or replacement of any defective materials or workmanship at no extra cost to the University.
20. The vendor must submit the *Installation Completion Certificate*, duly signed by both the vendor and the University, for the warranty/guarantee period to commence.
21. Irrespective/incomplete quote will be rejected.
22. No Advance payment will be made.
23. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
24. Quoted price should be inclusive of delivery up to Tezpur University, Tezpur.
25. Applications for release of **EMD** should be submitted to the **Deputy Registrar-S&P**.
26. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
27. **Performance Bank Guarantee amounting to Three (03) % of the order value needs to be submitted in the form of a Bank Guarantee in favour of "The Registrar, Tezpur University" on or before the final settlement of the bill. The Performance Bank Guarantee must remain valid for the entire warranty period (if selected) plus 60 (sixty) days.** No interest shall be paid on the Performance Bank Guarantee.
28. **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 Tezpur University.
29. **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 (Tezpur University) 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.

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

- i. If the product or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
- ii. If the agency fails to deliver any or all of the services within the time period(s) specified in the

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purchase order or any extension thereof granted by Tezpur University.

- iii. If the supplier fails to perform any other obligation(s) under the contract.
- iv. Under the above circumstances Tezpur University may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, Tezpur University may at its discretion also take the following actions: Tezpur University 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 Tezpur University for any extra expenditure involved towards goods and services obtained. Besides, the Vice-Chancellor, Tezpur University, and reserves the right to impose any other form of penalty as deemed fit including blacklisting of the vendor.

### 30. Selection criteria:

#### Evaluation Criteria:

- I. Technical bids will be evaluated on satisfactory fulfilment of eligibility criteria and technical specifications as laid out in the tender document. The bids found suitable will be recommended by the committee based on eligibility, financial, Experience & Support criteria and after approval of competent authority the bidders shall be deemed as technically qualified bids. *Only the technically qualified bidders as per approval of the Competent Authority, will be considered for opening of price bid. The evaluation will be done based on the total value-wise evaluation. In case, a joint venture makes a bid, any one of the members of the joint venture needs to be qualified for each of the criteria mentioned below.*
- II. The L-1 bidder will be selected based on the price of basic equipment and selected accessories as per order of priority.

#### Eligibility Criteria:

- a. The bidder or the OEM should not be blacklisted by Tezpur University or any other Educational /R&D/ PSU/ Govt organizations. A certificate or undertaking to this effect must be submitted.

##### *i. Technical Criteria*

*Technical bids will be evaluated and ranked by the award 'Accepted' & 'Rejected'. The price bids of Accepted vendors would then be considered by the concerned Purchase Committee of the institute.*

#### Delivery Period

31. The delivery installation and commissioning should be completed within **45 Days** of the award of BID without any deviation.

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Deputy Registrar (S&P)  
Tezpur University



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Annexure -I

## Technical Specification for Centralized Biometric Attendance System

SN	Feature	Specification	Qty
<b>1</b>	<b>BIOMETRIC ATTENDANCE DEVICE-TYPE-1</b>		<b>25</b>
a	Face Capacity	minimum 500 or more	
b	Fingerprint Capacity	minimum 2000 or more	
c	User Capacity	minimum 1000 or more	
d	Transaction Capacity	minimum 50000 or more	
e	Display	minimum 2.5inch LCD or better	
f	Sound	Stereo Speaker	
g	Communication	TCP/IP, USB-Host	
h	Push Data	Yes	
i	Power Supply	minimum DC 5v 0.8A or more	
j	Operating Temperature	minimum 0°C - 45°C or more	
k	Operating Humidity	minimum 20% - 80% or more	
<b>2</b>	<b>BIOMETRIC ATTENDANCE DEVICE-TYPE-2</b>		<b>3</b>
a	Face Capacity	minimum 1500 or more	
b	Fingerprint Capacity	minimum 5000 or more	
c	Card Capacity	minimum 10000 or more	
d	Transaction Capacity	minimum 200000 or more	
e	Display	minimum 2.4inch touch screen	
f	Facial Recognition Speed	minimum <1s or more	
g	Facial Recognition Distance	minimum 2m or more	
h	Communication	TCP/IP, WiFi (Optional), Wiegand Input/Output, RS485	
i	operating Systems	Linux	
j	Standard Function	ADMS, DST, Camera, 14-digit User ID	
k	Hardware	1.2GHz Dual Core CPU, 256MB RAM/512MB Flash	
l	Access Control Interface	3rd Party Electric Lock, Door Sensor	
m	Power Supply	minimum 12v 3A or more	
n	Operating Temperature	minimum -5°C to 45°C or more	
o	Operating Humidity	minimum 10% to 90% or more	
<b>3</b>	<b>BIOMETRIC SOFTWARE</b>		<b>1</b>
a	Architecture	Web-based (Browser-access) with Centralized Data Management	
b	User Capacity	Scalable from 500 to 50,000+ users (License dependent)	
c	Device Integration	Real-time "Push Data" technology from Biometric/RFID terminals	
d	Shift Management	Supports Fixed, Flexible, Rotating, and Auto-Shift logic	
e	Leave Management	Configure leave types, credit rules, and multi-level approval workflows	
f	Reports	Built-in reports (Daily, Monthly, Muster, OT, Leave Balance, etc.)	
g	Export Formats	Excel (.xlsx), PDF, CSV, Text (.txt), and XML	

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h	<b>Third-Party Sync</b>	API/SDK support for ERP, Payroll (SAP, Tally, etc.), and HRMS	
i	<b>Self-Service</b>	Employee portal for viewing attendance, applying for leave, and outdoor entry	
j	<b>Data Sync</b>	Automatic background synchronization of logs from multiple locations	
k	<b>Network Protocol</b>	TCP/IP, HTTPS (with SSL Certificate support)	
l	<b>Remote Management</b>	Remote enrollment of face/fingerprint templates via the web interface	
m	<b>Notifications</b>	Automated SMS and Email alerts for missed punches or attendance summaries	
n	<b>Security</b>	Role-based Access Control (RBAC) with audit trails for user activities	
o	<b>Multi-Location Support</b>	Allows centralized monitoring of attendance across various geographical branches using a single static IP server.	
p	<b>Parallel Data Export</b>	Capability to push logs simultaneously to multiple third-party databases.	
<b>4</b>	<b>DESKTOP</b>		<b>1</b>
a	<b>System Architecture</b>	Microtower (MT) form factor with tool-less entry for maintenance.	
b	<b>Processing Power</b>	12th Gen Intel Core i5 (6 Cores, 12 Threads, 18MB Cache, up to 4.6 GHz) or equivalent.	
c	<b>Mainboard Chipset</b>	Enterprise-grade Intel Q670 or equivalent chipset supporting remote management.	
d	<b>System Memory</b>	16 GB DDR4-3200 MHz (2 DIMM slots, expandable to 64GB).	
e	<b>Primary Storage</b>	512 GB PCIe NVMe M.2 SSD	
f	<b>Integrated Graphics</b>	Integrated high-definition graphics	
g	<b>Display Unit</b>	23-inch to 23.8-inch IPS LED backlit monitor; Full HD (1920 x 1080) resolution; Anti-glare coating; 250 nits brightness.	
h	<b>Expansion Slots</b>	1 M.2 (WLAN); 1 M.2 (Storage); 1 PCIe x1; 1 PCIe 4 x16.	
i	<b>Front Connectivity</b>	1 Headphone/Mic Combo; 1 USB Type-C (10Gbps); 3 USB Type-A (10Gbps).	
j	<b>Rear Connectivity</b>	1 HDMI 1.4; 1 DisplayPort 1.4; 1 RJ-45 (Gigabit Ethernet); 5 USB Type-A ports.	
k	<b>Network</b>	Integrated Gigabit NIC	
l	<b>Security Hardware</b>	Integrated TPM 2.0 Security Chip; Kensington Lock Slot.	
m	<b>Power Efficiency</b>	Minimum 180W Internal Power Supply with 90% efficiency or higher.	
n	<b>Input Devices</b>	Professional Wired USB Keyboard and High-Precision Optical Mouse.	
o	<b>Compliance</b>	Energy Star certified; EPEAT registered.	
<b>5</b>	<b>NETWORK I/O OUTLET WITH SMB</b>		<b>25</b>
b	<b>Assembly Type</b>	Complete <b>Information Outlet (I/O) Set</b> including Faceplate, Shutter, Keystone Jack, and Surface Mount Box (SMB).	
c	<b>Transmission Standard</b>	Fully compliant with <b>ANSI/TIA/EIA-568-C.2 Category 6</b> and ISO/IEC 11801 standards.	
d	<b>Keystone Jack (Module)</b>	High-performance RJ45 8P8C UTP jack; supports <b>250 MHz</b> bandwidth and speeds up to <b>1 Gbps</b> .	
e	<b>Termination Design</b>	Tool-less or 110/Krone punch-down compatible; supports <b>22-26 AWG</b> solid/stranded copper cables.	

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f	<b>Contact Plating</b>	Gold plating (minimum <b>50 micro-inches</b> ) over Nickel on contacts to prevent corrosion and ensure signal integrity.	
g	<b>Faceplate Design</b>	UK Style (86 x 86 mm) square plate with a high-gloss, flame-retardant ABS/Polycarbonate finish.	
h	<b>Port Protection</b>	Integrated <b>spring-loaded dust shutters</b> to protect internal contacts when not in use.	
i	<b>Identification</b>	Clear, transparent <b>labeling strip/ID plate</b> for port numbering and identification.	
j	<b>Back Box (SMB)</b>	Matching <b>37mm deep</b> Surface Mount Box (SMB) with multiple cable entry points and mounting screws.	
k	<b>Durability</b>	Rated for minimum <b>750 insertion cycles</b> for the RJ45 jack and 200 cycles for the termination block.	
l	<b>Wiring Scheme</b>	Dual color-coding for <b>T568A and T568B</b> wiring standards.	
m	<b>Color</b>	Standard Signal White (Office Grade).	
<b>6</b>	<b>UTP CABLE CAT-6 (in m)</b>		<b>375</b>
a	<b>Cable Type</b>	4-Pair Unshielded Twisted Pair (UTP) Category 6 Solid Cable.	
b	<b>Transmission Standard</b>	Compliant with <b>ANSI/TIA-568-C.2</b> and <b>ISO/IEC 11801 Class E</b> standards.	
c	<b>Bandwidth</b>	Performance verified up to <b>250 MHz</b> (supports up to 600 MHz in enhanced versions).	
d	<b>Data Rate</b>	Supports <b>Gigabit Ethernet (1000 Base-T)</b> standard.	
e	<b>Conductor Material</b>	<b>23 AWG Solid Bare Copper</b> for superior conductivity and signal integrity.	
f	<b>Insulation Material</b>	High-Density Polyethylene (HDPE).	
g	<b>Separator</b>	Polyolefin central cross member (Spline) to maintain pair geometry and reduce crosstalk.	
h	<b>Outer Jacket</b>	Flame Retardant PVC (FR-PVC) or Low Smoke Zero Halogen (LSZH) as per requirement.	
i	<b>Electrical Performance</b>	<b>DC Resistance:</b> $\leq 9.38 \Omega/100m$ ; <b>Delay Skew:</b> $< 45ns$ ; <b>Mutual Capacitance:</b> $< 5.6nF/100m$ .	
j	<b>Mechanical Properties</b>	<b>Bending Radius:</b> $< 4 \times$ Cable Diameter; <b>Pulling Force:</b> 11.5 Kg.	
k	<b>Operating Temp</b>	-20°C to +75°C (Storage: 0°C to +50°C).	
l	<b>Packaging</b>	Standard <b>305-meter (1000 ft)</b> roll in an easy-to-pull (Reel-in-Box) format.	
<b>7</b>	<b>PVC Conduit with accessories (in m)</b>		<b>750</b>
a	<b>Material Compliance</b>	High Impact, Unplasticized <b>Polyvinyl Chloride (uPVC)</b> ; Fire Retardant Low Smoke (FRLS) properties.	
b	<b>Applicable Standards</b>	Must conform to <b>IS: 9537 (Part 3)</b> for rigid conduits and <b>IS: 3419</b> for accessories.	
c	<b>Conduit Grade</b>	<b>Heavy Mechanical Stress (HMS)</b> grade with a minimum wall thickness of <b>2.0 mm</b> .	
d	<b>Nominal Diameters</b>	Standard sizes: <b>20mm, 25mm, 32mm, 40mm, and 50mm</b> (as per site requirement).	
e	<b>Color Coding</b>	<b>Black</b> for concealed/embedded wiring; <b>White/Grey</b> for surface-mounted installations.	
f	<b>Interior Finish</b>	Smooth, burr-free internal surface to ensure friction-free wire pulling.	
g	<b>Accessories</b>	All fittings (Couplers, Bends, Tees, Elbows) must be of the <b>same make</b> as the conduit.	

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h	<b>Junction Boxes</b>	High-impact uPVC; available in 1-way, 2-way, 3-way, and 4-way configurations with matching lids.	
i	<b>Fixing Hardware</b>	Non-metallic <b>heavy-duty saddles</b> with spacers; rust-proof GI/brass screws for mounting.	
j	<b>Safety Ratings</b>	<b>Flame Retardant</b> (Self-extinguishing); resistant to acids, alkalis, and corrosion.	
k	<b>Thermal Stability</b>	Operational range from <b>-5°C to +60°C</b> without deformation or cracking.	
<b>8</b>	<b>UTP PATCH CORD CAT-6</b>		<b>25</b>
	<b>Feature Category</b>	<b>Minimum Required Specifications</b>	
a	<b>Type &amp; Length</b>	<b>Category 6 (Cat 6)</b> Unshielded Twisted Pair (UTP) Patch Cord; <b>3.0 Meters</b> length.	
b	<b>Compliance</b>	Fully compliant with <b>ANSI/TIA-568-C.2</b> , ISO/IEC 11801, and EN 50173 standards.	
c	<b>Conductor</b>	<b>24 AWG Multi-strand (Stranded) Bare Copper</b> for superior flexibility and conductivity.	
d	<b>Insulation</b>	High-Density Polyethylene (HDPE).	
e	<b>Jacket Material</b>	<b>Flame Retardant PVC</b> (UL94V-0) or Low Smoke Zero Halogen (LSZH) as per site safety norms.	
f	<b>Connector Type</b>	Factory-terminated <b>RJ45 8P8C</b> modular plugs on both ends.	
g	<b>Contact Plating</b>	<b>50 Micro-inch Gold Plating</b> over Nickel to prevent oxidation and ensure signal stability.	
h	<b>Boot Design</b>	<b>Snagless molded boot</b> with integrated strain relief to protect the locking clip and prevent cable stress.	
i	<b>Performance</b>	Verified bandwidth up to <b>250 MHz</b> ; supports <b>1000Base-T (Gigabit Ethernet)</b> .	
j	<b>Durability</b>	Minimum <b>750 insertion/matching cycles</b> .	
k	<b>Wiring Standard</b>	T568B (Standard) or T568A wiring configuration.	
l	<b>Testing</b>	100% factory tested for Continuity, NEXT (Near-End Crosstalk), and Return Loss.	
<b>9</b>	<b>2.5mm ELECTRICAL CABLE (in m)</b>		<b>750</b>
	<b>Feature Category</b>	<b>Minimum Required Specifications</b>	
a	<b>Type of Cable</b>	Single Core, Multi-strand (Flexible) Copper Conductor.	
b	<b>Nominal Area</b>	<b>2.5 sq. mm</b> cross-sectional area.	
c	<b>Applicable Standard</b>	Fully compliant with <b>IS: 694</b> (latest amendment) for PVC insulated cables.	
d	<b>Conductor Material</b>	<b>Electrolytic Grade Bright Annealed Copper</b> (Class 5 as per IS: 8130).	
e	<b>Insulation Type</b>	<b>FR-LSH</b> (Flame Retardant Low Smoke Low Halogen) or FR (Flame Retardant) as per site requirement.	
f	<b>Voltage Grade</b>	Up to and including <b>1100V</b> (1.1 KV).	
g	<b>Insulation Thickness</b>	Minimum <b>0.8 mm to 0.9 mm</b> as per IS standards.	
h	<b>Current Carrying Capacity</b>	Approximately <b>18–20 Amps</b> (in conduit/casing depending on ambient temperature).	
i	<b>Safety Ratings</b>	Self-extinguishing; High oxygen index (min 29%); Low smoke density (max 60%).	
j	<b>Core Colors</b>	Standard color coding: <b>Red, Yellow, Blue</b> (Phases), <b>Black</b> (Neutral), <b>Green/Green-Yellow</b> (Earth).	
k	<b>Operating Temp</b>	<b>-15°C to +70°C</b> (Standard) / Up to <b>+85°C</b> for Heat Resistant (HR) variants.	

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l	<b>Packaging</b>	Standard coils of <b>90 Meters</b> or <b>100 Meters</b> in protective shrink-wrap or boxes.	
<b>10</b>	<b>0.75mm ELECTRICAL CABLE (in m)</b>		<b>375</b>
a	<b>Type of Cable</b>	Single Core, Multi-strand (Flexible) Copper Conductor.	
b	<b>Nominal Area</b>	<b>0.75 sq. mm</b> cross-sectional area.	
c	<b>Applicable Standard</b>	Fully compliant with <b>IS: 694</b> (latest amendment) for PVC insulated cables.	
d	<b>Conductor Material</b>	<b>Electrolytic Grade Bright Annealed Copper</b> (Class 5 flexibility as per IS: 8130).	
e	<b>Insulation Type</b>	<b>FR-LSH</b> (Flame Retardant Low Smoke Low Halogen) or FR PVC.	
f	<b>Voltage Grade</b>	Up to and including <b>1100V</b> (1.1 KV).	
g	<b>Insulation Thickness</b>	Minimum <b>0.6 mm</b> (standard for this gauge).	
h	<b>Current Carrying Capacity</b>	Approximately <b>7 Amps</b> (in air/conduit at 40°C ambient temperature).	
i	<b>Safety Ratings</b>	High oxygen index (min 29%); Self-extinguishing; Low smoke density.	
j	<b>Core Colors</b>	Standard availability: Red, Black, Blue, Yellow, Green, or Grey.	
k	<b>Operating Temp</b>	-15°C to +70°C.	
l	<b>Packaging</b>	Standard coils of <b>90 Meters</b> or <b>100 Meters</b> .	
<b>11</b>	<b>SWITCH SOCKET COMBINED SET</b>		<b>25</b>
a	<b>Product Type</b>	<b>Modular</b> Combined Switch and Socket Unit (Flush/Concealed type).	
b	<b>Current Rating</b>	<b>6A / 16A Dual Rating</b> (Universal/Twin design) or separate 6A/16A modules.	
c	<b>Voltage Grade</b>	Rated for up to <b>250V AC</b> , 50Hz.	
d	<b>Compliance Standards</b>	Must conform to <b>IS: 3854</b> (Switches) and <b>IS: 1293</b> (Plugs/Socket).	
e	<b>Material</b>	High-grade, UV-stabilized, <b>Flame Retardant (FR) Polycarbonate</b> .	
f	<b>Socket Type</b>	3-Pin / 5-Pin / 6-Pin Universal with <b>Safety Shutters</b> for child protection.	
g	<b>Switch Mechanism</b>	Smooth "Soft-Touch" operation; silver-cadmium oxide contacts for long life.	
h	<b>Indicator</b>	Optional integrated <b>LED/Neon indicator</b> for "Power On" status.	
i	<b>Terminals</b>	Captive screw-type terminals with brass inserts; suitable for 1.5 to 4.0 sq. mm wires.	
j	<b>Mounting Box</b>	Compatible with standard <b>GI (Galvanized Iron)</b> or high-impact Plastic Modular Boxes.	
k	<b>Aesthetics</b>	Screwless decorative cover plate with a high-gloss, dust-repellent finish.	
l	<b>Safety Certification</b>	Must bear the <b>ISI Mark</b> (BIS Certified).	
<b>12</b>	<b>CABLE LAYING THROUGH PVC CONDUITS (in m)</b>		<b>750</b>
<b>13</b>	<b>INSTALLATION AND COMMISSIONING</b>		<b>1</b>

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Annexure-II

## List of Enclosures to be submitted with the Bid

SI No	Type of Document	Submitted	Page No.
<b>Mandatory:</b>			
1.	Bidders Office Address (with mobile No. and e-mail)	Yes/No	
2.	PAN Card	Yes/No	
3.	GST Certificate	Yes/No	
4.	Valid Trade License/ Registration Certificate	Yes/No	
5.	ITR Returns (Last 03 Financial Years)	Yes/No	
6.	Audited Balance Sheet certified by CA for last 03 yrs. *	Yes/No	
7.	Annual Turnover (last 03 Financial Years) *	Yes/No	
8.	Declaration of Non-Blacklisting	Yes/No	
9.	Acceptance to Tender Condition	Yes/No	
10.	Technical Specifications and Compliance Sheet including model supported by leaflet	Yes/No	
11.	Proof of Experience *	Yes/No	
12.	Earnest Money Deposit>(* exempted for those who are MSME	Yes/No	
13.	Bid Security Declaration Form*	Yes/No	
14.	MSME / NSIC /Start-up Certificate	Yes/No	
15.	ISO Certificates ( wherever applicable)	Yes/No	
16.	Address of After Sales Support /Service Centres ( wherever applicable)	Yes/No	
17.	Dealership Certificate/Authorization Certificate (wherever applicable)	Yes/No	
18.	MII Declaration (wherever applicable)		
19.	Escalation Matrix	Yes/No	
20.	Product Datasheet/ Techno Commercial Statement and User Manual	Yes/No	
21.	Certification for Genuine Pricing	Yes/No	

**N:B:** (\*) denotes exemption of documents for MSME registered bidders as shown above at Sl. 14 against MSME clause.



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### Annexure-III

*(To be submitted on Company's/Firm's Letterhead signed and sealed)*

#### **Bid-Security Declaration Form**

*(To be submitted in lieu of EMD)  
by those who are exempted)*

Date: \_\_\_\_\_

Bid No. \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of three year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

(b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of: (insert complete name of Bidder) Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid).