



**TENDER DOCUMENTS**

**LIB EQUIPMENT**

**NUTECH/SCM/RFID SOLUTION-2019/TD-026**

**NATIONAL UNIVERSITY OF TECHNOLOGY**

## **TENDER NOTICE**

### **National University of Technology (NUTECH) NUTECH/SCM/RFID SOLUTION-2019/TD-026**

Sealed bids are invited from Government / FBR Registered Firms for the establishment of RFID Solution for NUTECH Library.

1. Tender documents containing terms & conditions and detailed specifications of items can be downloaded from NUTECH website "<https://nutech.edu.pk/d-p.php>" w.e.f **21- Feb -2019**.
2. Quotations shall be submitted as per requirement of the tender documents.
3. Bidders will be required to submit bank draft/PO equal to 5% of quoted value as Bid Bond in favor of National University of Technology (NUTECH).
4. Sealed bids with detailed specification should reach on the following address latest by **1530 hours on 15-March-2019**. Late submission will not be entertained.
5. Bids will be opened at **1600 hours on 15-March-2019** at SCM Office.
6. Project is to be completed in 30 days from the date of award of contract.

Submit Rs 1500/- as Tender fee in favor of HBL account: **NUTECH Tendering and contracts,,5037-000210755**. Please attach bank receipt with technical offer. Offers will be rejected without payment of processing fee

**Deputy Director (Supply Chain Management Office)  
NATIONAL UNIVERSITY OF TECHNOLOGY (NUTECH) UPROAD,SECI-12,  
ISLAMABAD  
Tel: 0092-51-5476768, Ext: 178**



## NATIONAL UNIVERSITY OF TECHNOLOGY

### SUPPLY CHAIN MANAGEMENT OFFICE

#### INVITATION TO TENDER

**Submission Date/Time** 15-March-2019 at 1530 hours

1. NUTECH desires to procure the list of item(s)/Store(s) as per **Annexure-A**. Interested bidders are requested to send their bids through courier or deliver at NUTECH under two separate sealed envelopes (placed together in third envelope), marked clearly, "**Technical Offer**" and "**Commercial Offer**", respectively to the undersigned, latest by or before above mentioned due date. If due to any unforeseen circumstances, NUTECH establishment remains closed, then the last date of submission will be extended to next working day.

2. Please also note that Technical Offer should contain Annexes-A & B duly filled in (supported with relevant technical literature /details/ catalogues etc) and receipt of tender processing fee. Commercial Offer will contain Annexure-C and bid bond. Please ensure no space is left blank in the annexes. Following must be noted for this IT (Invitation to Tender):-

- a. Validity of offer will be 60 days
- b. Project Completion period is 30 days. Project will be completed on package deal basis.
- c. Annexes A, B and C must be signed and stamped. Attach only relevant documents.
- d. Please complete all document as per given format. Do not use your format or letter head. Offer may be rejected if given format is not followed.
- e. Tender(s) must be accompanied with a Bid Bond in agreement of faithful compliance of the conditions of Contract/Purchase Order. This amount will be equivalent to 5% of the total quoted value. In case of non-acceptance of any offer, the Bid Bond will be returned to the bidder by fastest possible means. The Bid Bond amount submitted by the successful bidder will however, be refunded on effective termination of Contract/ Purchase Order. (The Bid Bond will be forfeited in case of default by the bidder from his commitments made through his offer). Submission of Bid Bond is mandatory, otherwise your offer will be rejected.
- f. Please read special instructions carefully. Strict compliance will be adhered.
- g. 5 % performance bond will be required for two years.
- h. Rates should be quoted on Free Delivery/installation/commissioning basis at NUTECH Islamabad.

3. We reserve the rights to accept or reject any or all tenders as a whole or in part without assigning any reason whatsoever. The decision in this regard will be firm, final and binding on all bidders.

DD (Supply Chain Management)



**NATIONAL UNIVERSITY OF TECHNOLOGY**  
**SUPPLY CHAIN MANAGEMENT OFFICE**  
**TECHNICAL OFFER**

**Annex A**

User Reference No : **Lib-05** Date: **01-02-2019**

**Technical Specification**

Ser	Item	Description	Country of Origin	A/U	Qty Req	Bidder Compliance			Tech Scrutiny to be done by user	
						Yes	No	Alternate Offer	Accepted	Rejected
									Reason of Rejection	
1.	<b>RFID Tagging Station</b>	<p>The RFID station must be able to perform following tasks: -</p> <p>Provide staff with a fast and effective solution to program and verify RFID tags.</p> <p>Library staff should be able to add or remove item security with or without the LMS/ILM</p> <p>Must be able to read multiple tags (10 At least) in single go.</p> <p>Fully Shielded.</p> <p>Connectivity: USB and 220V AC.</p> <p style="text-align: center;">Warranty / Guarantee: 3-5 Years</p>	Germany, USA, UK	No's	1					
2.	<b>RFID Tags</b>	<p>All Library books will be tagged with RFID tags.</p> <p>RFID tags must be integrated with modules of ILMS, so that all Information regarding the book availability is automatically updated in the ILMS.</p>	Germany, USA, UK	No,s	7500					

		<p>RFID tag will store information regarding the catalog, so that the book shelf management, self-check In/Out and Drop Box will easily be managed by library staff.</p> <p>RFID Operating frequency: 13.56 MHz.  RFID Memory: Up to 2.5K bit  IC Write endurance: 100,000  Data Retention: 50 years  Bending: Tag must be able to support bending.</p> <p>Warranty / Guarantee: Life time.</p>						
3.	<b>Self-check in/out</b>	<p><b>Fully Integrated with Existing</b> Adjustable Height</p> <p>Network connectivity</p> <p>Must be integrated with Library Software's.</p> <p>User Authentication Module Fingerprint &amp; RFID Patron Card.</p> <p>Power: Standard 220V with Surge Control.</p> <p>Must support Network Connectivity</p> <p>High Definition Touchscreen: 22" Inches  1920 x 1080, Brightness Up to 250 nits,  Projective capacitive touchscreen technology with speakers.</p> <p><b>Station Integrated PC:</b>  IOT based Operating System, RAM 8GB,  SSD 128GB</p> <p><b>RFID Specification:</b>  RFID Readers for Book Tag  Operating frequency: 13,56MHz.  RFID Item capacity: 5 items at one time  Warranty / Guarantee: 3-5 Years</p>	Germany, USA, UK	No,s	1			
4.	<b>RFID 4 Gates</b>	Must Read Tag from all orientations	Germany,	No,s	4			

	<b>(2 pairs)</b>	<p>Operating frequency: 13.56 MHz</p> <p>Alarm: Visual and audible</p> <p>Alerts: SMS and Email while passing unissued book and have LOG backup in centralized ILMS Database</p> <p>People counter: Built-in People counter for IN and OUT separately</p> <p>Detection Range: must be greater than 120 cm</p> <p>Detection with false alarm free protection.</p> <p>Warranty / Guarantee: 3-5 Years</p>	USA, UK						
5.	<b>RFID Drop Box</b>	<p>RFID Drop box with Bin with intelligent sorting.</p> <p>19" touchscreen high definition</p> <p>2,400 items/books per hour to be sorted as per ILMS</p> <p>Operating frequency: 13.56 MHz</p> <p>Login types: Barcode and RFID card types.</p> <p>Software pre-installed and pre-configured must support all ILMS protocols.</p> <p>Warranty / Guarantee: 3-5 Years</p>	Germany, USA, UK	No,s	1				
6.	<b>Shelf Reader</b>	<p>Single held device must be one unit with following features:</p> <p>Touch Screen</p> <p>Built In OS</p> <p>Directly connectable to ILMS</p> <p>6-8 Hours battery time</p> <p>Built in Bar Code Reader</p> <p>RFID Reader</p> <p>Built in Reader</p>	Germany, UK,USA	No,s	1				

	<p>Shelf-reading Re-shelving, Searching, Weeding and exception-finding.</p> <p>Holds information for minimum one million items.</p> <p>Enhanced Security: Corrects errors quickly and easily.</p> <p>Tag Data Manager: Freedom to move to ISO</p> <p>Tag Data Standard in the future</p> <p>Increases productivity and creates a more orderly library</p> <p><b>Battery life:</b> 4 hours read time between</p> <p><b>Compatibility:</b> Must read RFID all tag formats</p> <p>Warranty / Guarantee: 3-5 Years</p>							
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Instl/Assy/Commissioning Requirement	<b>Yes</b>		Contract with OEM/Supplier	<b>Yes</b>			
Performance Bond Requirement	<b>Yes</b>		Offer Requirement for Package Deal	<b>Yes</b>			
Maint Spare Requirement	<b>Yes</b>		Essentially Running spare requirement	<b>Yes</b>			
Publication/Literature Requirement	<b>Yes</b>		Requirement of Certificate for test data results			<b>No</b>	
Training Requirement	<b>Local</b>		Requirement of Calibration			<b>No</b>	

## **Terms and Conditions**

1. Only authorized dealer, registered reseller & partner for Active equipment, Computers / Printer can participate (documentary proof is mandatory).
2. Income Tax Certificate / GST Certificate.
3. Authorized Dealer, Partner for all Items quoted.
4. 5 % Performance bond is required from successful bidder in the shape of Bank Guarantee. Bank guarantee will be released after completion of 2 years.
5. The Selected Bidder will be responsible for the supply, installation, integration testing and commissioning of all equipment and components at NUTECH designated sites within the time limit mentioned in supply order and supplier will also impart training and orientation(where required) to the related staff free of cost.
6. Company must be ISO certified to ensure customer support and services. Company must have different branches in major cities all over Pakistan (Islamabad, Karachi, Peshawar, Multan, Lahore) especially in (Rawalpindi/Islamabad).
7. Company must have 03 installations in Pakistan of same Brand. At least 02~03 RFID deployments in Islamabad (documentary proof with successful project completion report/customer satisfactory report from awarding authorities is required).
8. In case the stores are not supplied according to the specifications mentioned in the contract the same will be replaced by the firm at his own cost.
9. Supplier shall certify that equipment supplied is brand new and strictly according to schedule of the supply order which has been invoiced the onus for any deviation will be the responsibility of the supplier.
10. Warranty period is mentioned for each item, the successful bidder must provide OEM and comprehensive solution warranty services for minimum three (03) Years
11. Technical scrutiny will be based on O.E.M brochures (Company Brochures will not be acceptable). Local vendor warranty will not be acceptable.
12. Any site preparation will be informed well in time to NUTECH

13. Purchase documents will be required for the authorized source of procurement and only OEM standard with Warranty/Guarantee will be accepted, Original source will be verified.
14. The selected bidder will be responsible for complete installation and testing of the equipment.
15. Bid(s) shall be rejected if required detail (where applicable) of specifications are not fulfilled.
16. Bid(s) shall be rejected if the rate(s) are unclear, incomplete, ambiguous or conditional. Multiple quotes are not allowed.
17. All payments shall be made in local currency after delivery, inspection and acceptance.
18. Penalty for delay will be mentioned in contract agreement as per PPRA.
19. Right to purchase at Risk-and-Expense of Supplier, if the selected supplier: (i) fails to complete the order, or (ii) delays to supply within the delivery time quoted or extended time given by Purchaser, or (iii) supplies sub-standard items, or (iv) supplies low quality items, then NUTECH reserves the right to (i) purchase single, all or un-supplied quantity of item(s), as the case may be, at supplier's Risk-and-Expense (ii) forfeit Earnest Money and resort to administrative actions, etc.
20. NUTECH reserves the right to (i) change the required quantity while placing purchase order. Reject any bid or procurement process, (iii) make clarifications, etc.; - any time, as per rules.
21. Representatives' of bidders are allowed to witness opening of tenders, without conferring any privilege.
22. Contract Agreement shall be signed with successful bidder(s) as per NUTECH policy. The provision of stamp paper shall be the responsibility of firm which shall be delivered within 3 days of issuance of PO.
  
23. In case of dispute, case shall be reviewed by 'NUTECH redressal of grievance committee and decision of NUTECH shall be final and binding on both parties, without recourse to legal action
24. Supplier must be certified and complaint with following:
  - a. CE, RCM, ETSI, FCC, IC, ADA, DDA, UL, CSA, MET, C-tick, ANATEL, ETL.
  - b. EN300, EN 330, US FCC 47 CFR PART 15, IC RSS-GEN, RSS-210.
  - c. ISO 15693, ISO 18003-A (Mode 1, NXP, SLI, SLIx, SLIx 2)

Firm Name_____
Signature_____
Name_____
Designation_____



**NATIONAL UNIVERSITY OF TECHNOLOGY**  
**SUPPLY CHAIN MANAGEMENT OFFICE**

**TECHNICAL OFFER**

**Annex B**

User Reference No **Lib Off -05** Date: **01-02-2019**

**Please fill in the following essential parameters:**

1. Validity of Offer: \_\_\_\_\_ Days (Should not be less than 60 days)
2. Delivery Period: \_\_\_\_\_ Days (After Placement of order)
3. Country of Origin: \_\_\_\_\_
4. Warranty/Guarantee: \_\_\_\_\_ Months from the date of final acceptance of the stores.

**General**

GST No: \_\_\_\_\_ (Please enclose copy)

NTN/CNIC: \_\_\_\_\_ (if exempted, please provide valid exemption certificate)

**Payment Terms:**

1. 50 % advance payment (Against valid bank Guarantee)
2. 50% Payment after delivery, installation /commissioning, user satisfaction certificate

**Details of Payment Recipient**

(1) Name/Title: \_\_\_\_\_

(2) Address: \_\_\_\_\_

Signature: \_\_\_\_\_

Official Seal: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_



**NATIONAL UNIVERSITY OF TECHNOLOGY**  
**SUPPLY CHAIN MANAGEMENT OFFICE**

**FINANCIAL OFFER**

**Annex C**

User Reference No **Lib Off -05** Date: **01-02-2019**

Ser	Item	Description	A/U	Qty Req	Unit Price (Rs) (excluding GST)	GST	Gross Unit price with GST (Rs)	Total amount for total qty (Rs)
1.	<b>RFID Tagging Station</b>	<p>The RFID station must be able to perform following tasks: -</p> <p>Provide staff with a fast and effective solution to program and verify RFID tags.</p> <p>Library staff should be able to add or remove item security with or without the LMS/ILM</p> <p>Must be able to read multiple tags (10 At least) in single go.</p> <p>Fully Shielded.</p> <p>Connectivity: USB and 220V AC.</p> <p>Warranty / Guarantee: 3-5 Years</p>	No's	1				
2.	<b>RFID Tags</b>	<p>All Library books will be tagged with RFID tags.</p> <p>RFID tags must be integrated with modules of ILMS, so that all Information regarding the book availability is automatically</p>	No's	7500				

		<p>updated in the ILMS.</p> <p>RFID tag will store information regarding the catalog, so that the book shelf management, self-check In/Out and Drop Box will easily be managed by library staff.</p> <p>RFID Operating frequency: 13.56 MHz.  RFID Memory: Up to 2.5K bit  IC Write endurance: 100,000  Data Retention: 50 years  Bending: Tag must be able to support bending.</p> <p>Warranty / Guarantee: Life time..</p>						
3.	<b>Self-check in/out</b>	<p><b>Fully Integrated with Existing</b> Adjustable Height</p> <p>Network connectivity</p> <p>Must be integrated with Library Software's.</p> <p>User Authentication Module Fingerprint &amp; RFID Patron Card.</p> <p>Power: Standard 220V with Surge Control.</p> <p>Must support Network Connectivity</p> <p>High Definition Touchscreen: 22" Inches  1920 x 1080, Brightness Up to 250 nits, Projective capacitive touchscreen technology with speakers.</p> <p><b>Station Integrated PC:</b></p>	No's	1				

		<p>IOT based Operating System, RAM 8GB, SSD 128GB</p> <p><b>RFID Specification:</b> RFID Readers for Book Tag Operating frequency: 13,56MHz. RFID Item capacity: 5 items at one time Warranty / Guarantee: 3-5 Years</p>						
4.	<b>RFID 4 Gates (2 pairs)</b>	<p>Must Read Tag from all orientations</p> <p>Operating frequency: 13.56 MHz</p> <p>Alarm: Visual and audible</p> <p>Alerts: SMS and Email while passing unissued book and have LOG backup in centralized ILMS Database</p> <p>People counter: Built-in People counter for IN and OUT separately</p> <p>Detection Range: must be greater than 120 cm</p> <p>Detection with false alarm free protection.</p> <p>Warranty / Guarantee: 3-5 Years</p>	No's	4				
5.	<b>RFID Drop Box</b>	<p>RFID Drop box with Bin with intelligent sorting.</p> <p>19" touchscreen high definition</p> <p>2,400 items/books per hour to be sorted as per ILMS</p> <p>Operating frequency: 13.56 MHz</p> <p>Login types: Barcode and RFID card types.</p>	No's	1				

		Software pre-installed and pre-configured must support all ILMS protocols. Warranty / Guarantee: 3-5 Years						
6.	<b>Shelf Reader</b>	<p>Single held device must be one unit with following features:</p> <ul style="list-style-type: none"> <li>Touch Screen</li> <li>Built In OS</li> <li>Directly connectable to ILMS</li> <li>6-8 Hours battery time</li> <li>Built in Bar Code Reader</li> <li>RFID Reader</li> <li>Built in Reader</li> <li>Shelf-reading</li> <li>Re-shelving, Searching, Weeding and exception-finding.</li> </ul> <p>Holds information for minimum one million items.</p> <p>Enhanced Security: Corrects errors quickly and easily.</p> <p>Tag Data Manager: Freedom to move to ISO</p> <p>Tag Data Standard in the future</p> <p>Increases productivity and creates a more orderly library</p> <p><b>Battery life:</b> 4 hours read time between</p> <p><b>Compatibility:</b> Must read RFID all tag formats</p> <p>Warranty / Guarantee: 3-5 Years</p>	No's	1				
<b>TOTAL</b>								

Total Value\_\_\_\_\_

GST \_\_\_\_\_

Gross Total Value\_\_\_\_\_

Bid Bond Ref\_\_\_\_\_

Firm Name_____
Signature_____
Name_____
Designation_____

Bid Bond will be attached with Annex C in Commercial offer. Copy of Bid Bond may be attached with Technical offer without showing its value. Offer may be rejected if value of bid bond is exposed.