

THE GANDHIGRAM RURAL INSTITUTE - DEEMED UNIVERSITY
[Ministry of Human Resource Development, Government of India]
Re-Accredited by NAAC with 'A' Grade (3rd Cycle)
Gandhigram – 624 302 Dindigul District Tamil Nadu
Dr. G. RAMACHANDRAN LIBRARY

Dr. M. Tamizhchelvan
Deputy Librarian & Librarian i/c



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Ref: GRIL/Kiosk-Drop Box/2017-18

06-10-2017

Quotation for Self Service Kiosk and Book Drop Box with RFID Technology

For and on behalf of Gandhigram Rural Institute – Deemed University, Gandhigram quotations are invited for the supply of Self Service Kiosk and Book Drop Box with RFID Technology in the following Operation Methods, Hardware specification for implementing with existing RFID Technology (2CQR Product). The terms and conditions for the quotations are as below:

S.No.	Description	Qty	Rate
1.	Self Issue Kiosk (Touch Screen Monitor with inbuilt RFID Reader, Fingerprint Sensor and thermal printer)	1	
2.	Drop Box (Monitor, Two RFID in built Reader and thermal printer)	1	
3.	Fingerprint Sensor	4	

Self-Service Kiosk:

Self-Service Kiosk issue, return and renewal of books using Biometric system.

Operation Methods:

- Self Issue methods Placing books and asking for thumb impression (optional for smart card) for processing issuing process.
- After issuing books and print out for the transaction with details of issue of date and return date.

Requirements:

- RFID Integrated
- Book issue, book return and book renewal functionality
- Multiple book issue and return
- Borrower Account information
- Multi – language Support
- Software provides User Interface and LMS connectivity Via SIP and/or Web Services
- All standard (SIP based) features are included in the design, plus a growing range of extended functionality.

Lenovo PC Specification:

Monitor	19.5" LED capacitive touch screen
Processor	Intel i5
Hard disk	500 GB
RAM	4 GB
Operating system	Windows 7 professional with Media License
Power consumption	150 to 200W
Connectors	4usb; 12V 1A internal power output
External	<ul style="list-style-type: none">• One button on/off• Network card [Ethernet]

Mechanical Specifications:

Make	Metal and acrylic
Base Width	550 mm approx
Base length	550 mm approx
Aesthetics	Dual color based on library interior

Hardware:

RFID transponder supported	ISO15693; ISO18000
Input voltage	230V
Output	12V DC
Transmitting power	1.2W max
Read distance [iso15693]	35 to 40cm
Read distance [iso14443]	5 to 10cm
Patron identification method	Biometrics

Book Drop Box:

Book Drop station should enable users to return the books even when the library is closed.

The RFID Book drop Station must operate with industry standard tags and cards at **13.56 MHz**. It supports global Standards like **ISO 15693-3 (ISO 180003 Mode** It should maintain accurate data when items are placed in it **one at a time**. It's inbuilt high speed thermal printer allows patrons to view and print transaction related information. The system is easy to install with internal setup of receiving cart, reader and antenna. The specifications for RFID Book Drop Station is as follows:-

Operation Method:

- The book will be shown on drop box by the user. Only if it is a valid item, the flop will open and allow the book to go in.
- On the slider, the book stops at the RFID reader. After it is being read, it will be moved to the bin.
- Communication Interface: Ethernet
- Two RFID readers to be used. One for operating the flap and control books going in. Second reader to read and return the book.
- To work integrated with the existing library software KOHA via SIP2

Lenovo PC Specification:

Monitor	19.5" LED monitor
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Hard disk	500 GB
RAM	4 GB
Operating system	Windows 7 professional with Media License
Power consumption	150 to 200W
Connectors	4usb; 12V 1A internal power output
External	<ul style="list-style-type: none">• One button on/off• Network card [Ethernet]

Mechanical Specifications:

Make	Metal and acrylic
Base Width	600 mm approx.
Base length	1590 mm approx
Aesthetics	Dual color based on library interior

Fingerprint Sensors:

For attendance purpose, it is to be integrated with Koha as a e-gate device. Entry / exit should be recorded in biometric and updated in Koha.

- Reports to be available in Koha and Monthly most visited three students will be displayed in the monitor.
- One Device is used only for the purpose of registration and it should be done only once, and can be used in any number of devices.
- Three Devices are used for E-gate (Entry / Exit) facility kept in the entrance of the library, DKC and Journal Section.

Biometric Specifications:

Fingerprint Sensor	Optical (IP65 sensor surface)
Resolution	500 dpi / 256 gray
Sensing Area	16 x 18 mm
Image Size	288 x 320pixel
Interface	USB 2.0 2.0 high speed interface
O/S	Microsoft Windows & Linux
Operation Temperature	-10~50°C
Certification	CE, FCC, KCC, WHQL
Standards	ISO19794-2, ISO19794-4, ANSI-378, WSQ
Dimension (WxLxH)	66 x 90 x 58 mm

Terms and Conditions:

- (i) The rate should clearly indicate the unit/nos.
- (ii) The rate should specify whether it includes duties and taxes and also packing and forwarding charges.
- (iii) If the rates are exclusive of the items mentioned against (ii) above the rate at which these items will be charged should also be specified wherever possible
- (iv) TIN /PAN/GST / Reg. Number should be printed in the Quotation Submission letter
- (v) The period upto the materials/equipments are guaranteed should be specified. The amount chargeable as Annual Maintenance charges after the guarantee / warranty period should be indicated separately.

- (vi) The offer should be as far as possible from ready stock.
- (vii) Where the offer is not from ready stock, the period before which supply will be effected should be indicated.
- (viii) The mode of payment should be specified.
- (ix) Payment will be made within a week from the date of receipt of materials and duty certified by the officers concerned / within a week of the satisfactory completion of the work .
- (x) Validity of the offer should normally be for 45 days from the date of offer. If otherwise, the period should be specifically mentioned.
- (xi) Quotation should be addressed to the “**Registrar**, Gandhigram Rural Institute – Deemed University Gandhigram” and should be sent in a sealed envelope superscripting

“COMPETITIVE QUOTATIONS FOR
‘**Self Service Kiosk and Book Drop Box with RFID Technology**’ for the Office of
Dr. G. Ramachandran Library, Gandhigram” and mailed to:

The Deputy Librarian & Librarian in-charge
Dr. G. Ramachandran Library
Gandhigram Rural Institute – Deemed University
Gandhigram – 624 302, Dindigul Dt.

- (xii) Quotation will be received up to 5.00 p.m. on 25.10.2017

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