West Bengal University of Technology

Tender Form

Library services

Notice No   **:Lib/FO/12-13/36**
Date of Issue   **: 20.03.2013.**

D.D.   No. for the Tender Price :

Address: **Tele-Fax No:**
                                            (033) 2334-1034

BF-142, Sector-I,
Salt Lake City,   **Phone No.:**
Kolkata-700064   **(033) 2321-1345**

Tender Paper for Library Services –Up gradation of existing KOHA, Optical Media server , D Space and LTSP

a) Name & Address of the Firm :

b) Telephone No:

c) Mobile No.:

d) Fax No:

2. Name of the items for which the Firm is interested:

3. Name of the Proprietors/partners/directors etc:

4. Trade License No (With Photocopy):

5. VAT License No.(If applicable):

6. Service Tax Registration No (With Photocopy):

7. Additional Information if the party wants to include:

8. Copies of Testimonials/credentials/certificates regarding services/experience etc:

Signature with Stamp

Please give sealed quotation for the following Part I and II separately clearly superscribing the tender notice number on the envelop.

Technical Specification:

PART – I

Scope of work

To set up and migrate the existing Library services (including all data) to an up-to-date Hybrid Library using the latest Library 2.0 and Web 2.0 technologies that will be ready for campus-wide and off-campus access.

* Technical specification shall be strictly as per the requirements laid down.

Annexure 1 – Specifications for Library Services

The University intends to migrate its existing Hybrid library based on Koha 2.2.5 and Dspace 1.2 to up-to-date stable versions of the same utilizing the latest Library 2.0 and Web 2.0 technologies. All bibliographic data (around 15000) all holding data, all user account data with up to date circulation status including historical records are to be maintained and migrate accurately. Failing which the job would be deemed incomplete and completion/ user acceptance certificate may not be issued. The salient features required would be :

1. The solution should be based on the GNU/Linux platform (using Kernel 2.6.x or higher) – RHEL 6.x , Debian Stable and Ubuntu 12.04 LTS may be used as OS platform benchmarks.

2. The source code for all the solution components to be used/integrated for the proposed deployment *must* be freely available under an open source license.

3. The solution should also come with the complete source-code and is to be licensed to WBUT under a suitable OSI compliant license which does not invalidate or go against the individual licenses of each of the FOSS software components to be used in the solution

 4. The end-user license must allow the University the freedom to re-distribute the same (including the complete source code) under the terms of the above license (see #2 above). Any services (i.e. deployment and post deployment support) components agreement for the solution to be implemented will however be restricted only the implementation done at WBUT for its own use.

5. The solution must take into account and must comply out-of-the-box (as to be implemented) with library standards and technologies like MARC21, ISO 2709, SRU, MARCXML, OAI-PMH, Z39.50, 3M's Standard Interchange Protocol (SIP2), Dublin Core Meta data framework, RSS / ATOM aggregation, ETD, Video-on-demand / stream media services (must support patent unencumbered compression formats like OGG THEORA) / REST APIs and integration capability with e-learning application.

6. The solution should present a way to simultaneously make available licensed software / educational CDs / DVDs (accompanying books and magazines) to be presented to the users as on-demand virtual media. Having a hard limit on the number of CDs / DVDs that can be presented simultaneous is not desired . In conjunction, the existing Optical Media Image Server has to be migrated as well along with all its data into the new / updated solution proposed.

 7. The facility to present the CD/DVDs in the above style should allow full-text indexing and searching.

 8. Automated backup and disaster recovery should be a part of the solution set.

9. The solution should implement a Directory Service based sign-on (SSO). Use of Kerberos tokens/tickets may also be permissible.

10. The system should allow for use of barcode technology for item and member tracking for the purpose of issue and returns. The solution should be able to generate and print the barcode individually as well as a in batch mode on plain A4 size paper or gumming sheets.

11. The solution should be capable to integrate e-resources like e-books with archival rights and MARC enabled catalogue data into the Web OPAC. The option of local hosting, with locally available full-text indexing should be complied with.

12. The OPAC must provide for a single window search and retrieve view of all materials regardless of being physical (e.g. a printed book) or an electronic resource.

13. The solution should have the option for implementing an Internet/Intranet portal from where all the services provided by the library may be accessed by the users from within or outside the campus.

14. The solution should be able to handle UNICODE based UTF-8 text for cataloguing purposes as well able able to present the same via the WEBOPAC

15. There may be no restrictions on the number of OPAC / Access terminals that may be used by the University or by its authorized users.

16. There may be no restrictions on the number of titles / items that may be handled by the system (subject to physical hardware present) .

17. The solution should be able to present NPTEL videos from local media server(s) on-demand to on-campus users.

18. The entire system should have remote management capabilities

19. The Web-based OPAC should have the capability to be accessible from Phone / PDA based mini-Opera web browser with necessary graceful degradations

20. The system should have the capability to be able to send out automated SMS-based alerts and updates (like renewals / availability etc)

21. The system should allow for circulation, serials management, acquisitions module, handling multiple branches, custom reporting capability and consortium building capabilities.

22. The system must have the provision to integrate RFID solutions

PART – II

Reading Room Multimedia-enabled Thin-client Services

The University Library intends to upgrade its present thin-client services.

For the thin-clients

1. The solution should be based on the GNU/Linux platform (using Kernel 2.6.x or higher) – RHEL 6.x, Debian Stable and Ubuntu 12.04 LTS may be used as OS platform benchmarks.

2. The source code for all the solution components to be used/integrated for the proposed deployment *must* be freely available under an open source license.

3. The solution should also come with the complete source-code and is to be licensed to WBUT under a suitable OSI compliant license which does not invalidate or go against the individual licenses of each of the FOSS software components to be used in the solution

4. The end-user license must allow the University the freedom to re-distribute the same (including the complete source code) under the terms of the above license (see #2 above). Any services (i.e. deployment and post deployment support) components agreement for the solution to be implemented will however be restricted only the implementation done at WBUTB for its own use.

5. Multimedia-enabled thin-client infrastructure based on mature GNU/Linux driven server based technology that is cluster-ready for high availability and load balancing capabilities intended for vertical scalability of the system.

6. Deployment should be possible using the currently in use energy-efficient AMD Geode LX800 based thin-clients or stripped down bare-bones x86 compatible systems with multimedia headsets / speakers .

7. Local Applications has to be supported (ex. Firefox, OpenOffice.org etc) along with access to local USB based devices like PEN DRIVES.

8. Ability to seamlessly access Windows Terminal Services as well as Linux Terminal Services from the same desktop

9. Centralized User Management and Common Shared Storage (via NFS / NBD)

10. Roaming user profiles / accounts capability

11. Local Language Thin-Client Desktops enablement

12. The system should have the ability to remote-manage user desktops (on the terminals), view them, take control of the desktop, shut down or restrict application usage, remotely log out the user and/or kill their processes

13. There may be no restrictions on the number of thin-client terminals that may be used by the University or by its authorized users. (subject to physical hardware present)

14. The entire system should have remote management capabilities

15. The system should have the capability to be able to send out automated SMS-based alerts

General conditions:

1. The tenderer are required to deposit the tender forms along with relevant papers (mentioned in the form) in two sealed covers mentioning financial bid and technical bid separately.

2. The university reserves the right to accept or reject any tender without showing any reason.

3. Tender for supply of the goods mentioned in the notice may be submitted in full or in part.

4. Tender fee of Rs. 200/- has to be deposited along with the tender papers for each part separately.

5. All payments should be made through demand drafts in favour of the 'West Bengal University of Technology' payable at Kolkata.

6. The last date of receiving of tender paper in the office of the finance officer is 8th April, 2013 before noon.

7. Incomplete tender shall be summarily rejected.

8. Subcontracting in any form will not be entitled by the university.

9. The new system once implemented and with data migration complemented will have to run in parallel along with the older running system for a period of no less than 3 months after all the bugs issues has been ironed out from the new system. The final acceptance test (FAT) certificate may be issued after these three months of trouble free operation. These three months of trouble free operation must be within a period of active academic session when students, Faculty and other users will be accessing the library on a daily basis.

10. All legal disputes shall be subject to jurisdiction of Calcutta High Court.