

Centre for e-Governance

KERALA AGRICULTURAL UNIVERSITY

Main Campus, KAU P.O., Vellanikkara, Thrissur - 680 656, Kerala.

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No. CeG/2020/101/6673

dtd Vellanikkara 17 /02/2021

TENDER NOTICE

To

All CERT-In Empanelled Agencies

Sub: - Tender for conducting the Security Audit of KAU Online Payment Website
<http://epay.kau.in> by CERT-In empanelled agencies.

1. Sealed competitive tenders are invited on behalf of Kerala Agricultural University from CERT-In Empanelled Agencies for Security audit of KAU Online Payment website **<http://epay.kau.in>**.
2. The tenders duly filled in all respect enclosing necessary documents s h o u l d be addressed to: The Systems Manager, Centre for e Governance, Kerala Agricultural University, KAU Main Campus, KAU P.O., 680656, Thrissur, Kerala so as to reach on or before **04.03.2021 till 3:00 pm**. **The cover should be super scribed with “TENDER FOR CONDUCTING THE SECURITY AUDIT OF KAU ONLINE PAYMENT WEBSITE”.**
3. The tenders will be opened on the same date **i.e., 04.03.2021 at 3:30 pm** at KAU in the presence of bidders who may wish to be present, either by themselves or through their authorized representatives.
4. The detailed Terms & Conditions as Annexure-I, Scope of Work as Annexure- II, Format for submitting Price bid as Annexure-III and Bidder Details as Annexure-IV are attached with this tender document and can be downloaded from KAU website www.kau.in.

Sd/-

Systems Manager

Annexure-I
TERMS & CONDITIONS

1. Eligibility Criteria:

- a. The bidder must be an **empanelled auditor of CERT-In**, having a valid empanelment certificate. Copy of authorization with valid CERT-In empanelment certificate to be furnished.
- b. Documentary evidence of firm's GST Registration shall be furnished. Bids not satisfying the above eligibility criteria / not accompanied by the requisite documentary proofs shall be rejected.

2. The bid shall contain one sealed cover envelope super-scribed as, "Tender for security audit of KAU Online Payment Website".

3. All pages of the bid being submitted must be signed with official seal.

4. Period of Bid Validity

Bids shall remain **valid for 90 days** from the date of Bid Opening. Any Bid valid for a shorter period than the period specified shall be rejected as non- responsive.

5. Last date & Time for receipt of Bids:

The last date for receipt of Bids is 04th March 2021 till 3:00pm. Tenders will be opened on the same day at 3:30 pm.

TERMS & CONDITIONS

6. Submission of tenders:

The completed tenders may be submitted in person or alternatively the bids may be sent by registered post/speed post to the **Systems Manager, Kerala Agricultural University, KAU Main Campus, KAU P.O., 680656, Thrissur, Kerala** so as to reach by the time and date stipulated for receipt of tenders.

7. Late tenders

Any delay, including postal delay, in the receipt of tender would be treated late submission of bid and shall be rejected. Tender handed over at the Reception Counter or any other counter or room or to any person, other than the authorized person of KAU shall not be considered.

8. Language of Bids

The Bids prepared by the Bidder and documents relating to the bids exchanged by the Bidder shall be written in the English language.

9. Bid Prices

- a) The prices shall be quoted in Indian Rupees only.

- b) All taxes, duties, levies applicable etc. shall be clearly indicated.
- c) Prices quoted must be final and shall remain constant throughout the period of validity of bid and shall not be subject to any upward modifications, whatsoever.
- d) Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation.

Bid Evaluation

- e) During Eligibility Criteria Evaluation, bidder's details shall be evaluated with reference to the required Eligibility Criteria as mentioned in this tender document and subsequently the bids of only eligible bidders shall be considered for final evaluation.
- f) The price bids shall be evaluated as under:
 - i. If there is any discrepancy between words and figures, the amount in words will prevail.
 - ii. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and total price shall be corrected.
- g) If the Bidder does not accept the correction of the errors as above, the bid shall be rejected.
- h) The bidder whose evaluated price is found to be lowest (L-1), shall be considered for award of contract for Conducting Security Audit of KAU Online Payment Website.

10. Work Period

The initial audit should be completed within 20 days from the date of issue of Work Order. Subsequent corrections made based on audit report needs to be re audited within 5 days of reporting.

11. Payment Terms:

- a. Payment will be released after successful completion of work, submission of necessary certificate /documents / Report to KAU and receipt of pre-receipted bills in triplicate.
- b. No advance payment shall be made.
- c. No claim on account of any price variation / escalation shall be entertained.
- d. No claim for interest in case of delayed payment will be entertained by the Authority.

12. KAU's right to accept or reject any or all bids

KAU reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids at any time prior to Award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds.

13. Force Majeure

- i) “Force Majeure” means an event beyond the control of the Auditor and not involving the Auditor’s fault or negligence and not foreseeable. This type of event may include but not limited to fires, explosions, floods, earthquakes, strikes, wars or revolutions etc.
- j) The work execution period may be extended in case of Force Majeure condition. In order to be able to obtain an extension to the contract work period, the Auditor shall promptly notify auditee advising the existence of such an event, not later than one week of such event happening and produce the necessary documents such as Certificate of Chamber of Commerce or any other competent authority indicating the scope of such an event, and its impact on the performance of the contract and establish that such an event is not attributable to any failures on its part.
- k) **Laws governing contract:** - The contract shall be governed by the laws of India for time being in force.
- l) **Jurisdiction of courts:** The courts of Thrissur/Ernakulum shall alone have the jurisdiction to decide any dispute arising out of or in respect of the contract.

14. Arbitration:

In the event of any dispute arising out of this notice inviting tender or any agreement arising there from or any matter connected or concerned with the said agreement in any manner of its implementation or any terms and conditions of the said agreement, the Registrar, KAU may nominate an officer of KAU as sole arbitrator, notwithstanding the fact that such officer has been directly or indirectly associated with the agreement. The bidder/auditor will not be entitled to raise any objection for the appointment of such officer of KAU as the sole arbitrator. The award of the arbitrator shall be final and binding subject to the provisions of the arbitration and conciliation Act, 1996 and rules made thereunder. The seat of arbitration shall be Thrissur and the language of arbitration shall be in English only.

15. Cost of Tender form :

Cost of work	Cost (Rs.)
Upto Rs.50000/-	i) Rs.300 + 12% GST
Above Rs. 50,000/- upto Rs. 5,00,000/-	ii) 0.2 % of cost of tender rounded to the nearest multiple of 100 , subject to a minimum of Rs.500/- and maximum of Rs. 2000/- + 12 % GST
(Demand Drafts drawn in favour of the “Systems Manager, KAU” payable at SBI, KAU Campus Br. have to be submitted towards cost of tender form and GST separately)	

16. EMD

Earnest Money Deposit of 2.5% of the total rupee equivalent cost of the quoted items (subject to maximum of Rs. 50,000/-) by way of Demand Draft drawn in favour of the “Systems Manager, KAU” payable at SBI, KAU Campus Br., Vellanikkara has to be submitted with the tender.

17. Tender shall be accompanied by an agreement as per format appended, executed on Kerala Stamp paper of face value Rs. 200/-. The format of the agreement is available for download from the related documents section in the following web link <http://www.kau.in/tenders>.

18. **Selected firms** will have to furnish a **security deposit** of 5% of the order value and execute another agreement in Kerala stamp paper worth Rs. 200/-. Security deposit has to be submitted in the form of DD, Term Deposit Receipt or Bank Guarantee favouring the Systems Manager, KAU, Vellanikkara.

ANNEXURE-II
SCOPE OF WORK FOR THE SECURITY AUDIT

1. KAU Online Payment website is accessible through **http://epay.kau.in** (also accessible through **http://kau.in**). The website is presently *hosted on Windows Server with Apache Tomact as Application server. If required, KAU will provide staging server for security audit or may ask for security audit of KAU Online Payment website (Production Server) as the case may be at the time of allotment of work.*
2. The Auditor is expected to carry out an assessment of the vulnerabilities, threats and risks that may exist in the above website through Internet Vulnerability Assessment and Penetration Testing which includes identifying remedial solutions and recommendations for implementation of the same to mitigate all identified risks, with the objective of enhancing the security of the website.
3. The website audit should be done by using Industry Standards and as per the Open Web Application Security Project (OWASP) methodology.
4. During Security Audit, if any lapse is found, the same shall be reported by the auditor to KAU to make the application/portal fully secured for hosting.
5. The audit of the application/portal should be conducted in conformity with NIC audit guidelines. After successful security audit of the website, the security audit report from the auditor should clearly state that all web pages along with respective linked data files (in pdf / doc / xls etc. formats), all scripts and image files are free from any vulnerability or malicious code, which could be exploited to compromise and gain unauthorized access with escalated privileges into the webserver system hosting the said website.

6. Audit Environment:

The URL of KAU Online Payment Website to be audited is <http://epay.kau.in>. Supply / installation of auditing / testing tools, if any, for the audit purpose will be liability of the auditor.

7. Responsibilities of Selected Auditor:

The Selected Auditor will conduct security Audit for the KAU Online Payment Website <http://epay.kau.in> as under:

- 7.1. Verify possible vulnerable services, only with explicit written permission from KAU.
- 7.2. Notify the auditee whenever there is any change in auditing plan / source test venue / high risk findings or any occurrence of testing problem.

- 7.3. Responsible for documentation and reporting requirements for the audit.
- 7.4. Task-1: Web Security Audit/Assessment.
- 7.5. Task-2: Re-audit based on recommendation report of Task-1.
- 7.6. On successful security audit, furnish certificate for the website as per NIC norms stating that the application/website is safe for hosting.

8. Audit report

The Auditor shall submit a report indicating about the vulnerabilities as per OWASP and recommendations for action after completion of Task-1. The final formal IT security Audit Report should be submitted by the Auditor after the completion of all the tasks of Audit. The reports should contain:

- 8.1. Identification of auditee (address & contact information).
- 8.2. Dates and locations (s) of audit (Task-1 and Task-2)
- 8.3. Terms of reference (as agreed between the auditee and auditor), including the standard for audit, if any.
- 8.4. Audit Plan.
- 8.5. Explicit reference to key auditee organization documents (by date or version) including policy and procedure documents, if any.
- 8.6. Additional mandatory or voluntary standards or regulations applicable to the auditee.
- 8.7. Summary of audit findings including identification tests, tools used, and results of tests performed.
- 8.8. Analysis of vulnerabilities and issues of concern.
- 8.9. Recommendations for action.
- 8.10. Personnel involved in the audit, including identification of any trainees. In addition to this, reports should include all unknowns clearly marked as unknowns.

9. Responsibility of KAU

- 9.1. The auditor will submit the vulnerability report along with possible ways to rectify the defects to *KAU* who will be responsible to remove vulnerabilities if any, which are identified by the auditor. After removing the vulnerabilities, *KAU* will send confirmation to the auditor stating that the vulnerabilities have been removed as mentioned by the auditor (based on the listed out rectification method).
- 9.2. The subsequent round of audit shall be conducted by the auditor after removal of such vulnerabilities by *KAU*
- 9.3. *KAU* will refrain from carrying out any unusual or major changes during auditing / testing. If necessary, for privileged testing, the auditee can provide necessary

access to the Auditor as mentioned in the clause 'Audit Environment' above.

10. Confidentiality

All documents, information and reports relating to the assignment would be handled and kept strictly confidential and not shared/published/supplied or disseminated in any manner, by the Auditor.

11. Technical Details of the applications are as follows:

S. No	Parameters/Information about the Website	Description
1	Web application Name & URL	KAU EPAY: http://epay.kau.in
2	Operating system details (i.e. windows - 2003, Linux, AIX, Solaris etc.,)	Windows Server
3	Application Server with Version (i.e. IIS 5.0. Apache, Tomcat, etc.)	Tomcat
4	Front end Tool [Server-side Scripts] (i.e. ASP, Asp.NET, JSP, PHP, etc.)	JSP
5	Back end Database (MS-SQL Server, PostgreSQL, Oracle, etc.)	MS-SQL
6	Authorization No. of roles & types of privileges for the different roles	6 Roles
7	Whether the site contains any content management module (CMS) (If yes then which?)	No
8	No. of input forms	21 Forms
9	No. (Approximate) of input Fields	69 input fields
10	No. of login modules	1 login module
11	Is there any payment gateway?	No (Planning to Integrate)
12	Number of Web Services, if any	No

12. Deliverables and Audit Reports:

The successful bidder will be required to submit the following documents in printed format (2 copies each) after the audit of above-mentioned web application:

- i. A detailed report with security status and discovered vulnerabilities weakness and misconfigurations with associated risk levels and recommended actions for risk mitigations.
- ii. Summary and detailed reports on security risk, vulnerabilities and audit with the necessary counter measures and recommended corrective actions to be undertaken by KAU.
- iii. The final security audit certificate for and should be in compliance with the NIC standards.

- iv. All deliverables shall be in English language and in A4 size format.
- v. The vendor will be required to submit the deliverables as per terms and conditions of this document.

**ANNEXURE-III
(On Company Letter Pad)**

To

The Systems Manager, Kerala Agricultural University,
KAU Main Campus, KAU P.O., Pin - 680656,
Thrissur, Kerala.

Subject: Financial Bid for conducting Security Audit of KAU online payment Website

I/We hereby submit the financial bid for conducting security audit of KAU website online payment Website as per the tender document: -

Description of Work	Amount (Rs.)
Security Audit of KAU Online Payment Website (http://epay.kau.in)	
Taxes (specify) (____%)	
Grand Total	
Rupees in words (Rupees.....))	

Note:

- (a) The Financial Bid shall contain **nothing else but Prices** only.
- (b) Bidders are requested to ensure that after quoting the prices this Annexure is duly signed with company seal. **Financial bid submitted without sign / company seal will not be accepted / considered.**

Date__

Signature:
Name:
Designation:
Company Seal:

ANNEXURE-IV

BIDDER'S PARTICULARS

S.No	Particulars	Details
1	Name of the Bidder	
2	Full Address of the Bidder	
3	Name of the Authorized Signatory	
4	Name & address of the officer to whom all references shall be made regarding this tender	
5	Telephone	
6	Fax No.	
7	E-mail	
8	Mobile	

Signature

Name

Designation

Date

Company Seal