



**NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION
TECHNOLOGY (NIELIT)**

6, C G O Complex, Lodhi Road

New Delhi- 110 003 , INDIA

www.nielit.gov.in

**Inviting Quotations from
CERT-In empanelled agencies for
Conducting Security Audit of Web applications of NIELIT**

Ref No: 60(16)2013/NIELIT.HQ Dated:

Place for opening of the bid	Conference Room National Institute of Electronics and Information Technology (NIELIT), Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi - 110 003, India
Last Date & Time of Submission of Bid	21/04/2015, 1500 Hrs
Date & Time of Opening of Bid	21/04/2015, 1600 Hrs

Name of the Bidding Company/ Firm:	
Contact Person (Authorized Bid Signatory):	
Correspondence Address:	
Mobile No: Telephone: Fax:	
Website	
Official E-mail Address	

Subject:- Tender for conducting the Security Audit of web applications of NIELIT from CERT-in empanelled agencies.

NIELIT is inviting quotations from CERT-In Empanelled Agencies for Security audit of below mentioned seven applications. These applications need to obtain the “safe-to-host” certificates from CERT-In empanelled agencies before hosting the same on NIC Data Centre/ERNET Data Centre. The applications are -

1. Activity Information Management System (AIMS) (<http://202.141.141.155:8080/AIMS/>)
2. Online Accreditation for CCC/BCC (<http://online.nielit.in>)
3. File Tracking Management System (<http://ftms.nielit.in>)
4. Aadhaar Authentication Utility (<http://verifyaadhaar.nielit.in>)
5. Aadhaar based Online Examination Portal
 - a. Pareeksha (<http://demopareeksha.nielit.in>)
 - b. Exam Panel (<http://demoexampanel.nielit.in>)
 - c. Web Service (<http://democsplDataServicePar.nielit.in>)
 - d. Linux based Web Application
6. Transfer/Posting request online for NIELIT Employees (<http://202.141.141.155:8080/eTransfer/>)
7. Sponsored Project Monitoring and MIS Data Collection Application (<http://202.141.141.155:8080/nielitmisonline/>)

Bidders are advised to study the document carefully. The Cost estimates may please be provided in the **sealed envelope** and should reach by post to the **below mentioned address latest by 21/04/2015, 1500 Hrs.**

The Agencies are requested to submit the **combined proposal for all the 07(six) applications** and **only one financial quotation is to be submitted for all the applications.**

The **sealed quotation** is to be raised in the name of following –

Joint Director (Systems)
National Institute of Electronics & Information Technology (NIELIT)
Electronics Niketan, 6, CGO Complex,
New Delhi – 110003

Tender document with other details is also available on NIELIT Website i.e. www.nielit.gov.in

ANNEXURE-I

1. The web applications will be hosted at NIC Data Centre/Ernet Data Centre after Security audit, so the security audit certificate should be in compliance with the NIC/Cert-In standards.
2. The envelope shall be prominently marked on top with "COMMERCIAL BID FOR CONDUCTING THE SECURITY AUDIT OF WEB APPLICATIONS OF NIELIT". The envelope should be properly sealed.
3. The tenders should reach this office by 21/04/2015, 1500 Hrs.
4. The price bids of those firms will be opened who fulfils the terms and conditions.
5. Since, few applications are still under development; therefore the actual number of pages may increase/decrease by 5% while placing the work order.
6. Only those Organizations/firms registered with the CERT-in-empanelled are eligible for submitting the tender.
7. Incomplete or conditional tender will not be entertained.
8. No tender will be accepted after closing date and time
9. The first round of security audit report should be submitted to NIELIT within 15 days after the work order issued by NIELIT and consecutive round report if any, should be submitted within 7 working days.
10. The tenderer may remain present himself /herself or his/her authorized representative at the time of opening the tender. Only authorized representative will be allowed to attend the meeting of the Tender Committee.
11. All the firms/organization participating in the Tender must submit a list of their owners/partners etc. along with their contact numbers and a Certificate to the effect that the firm/organization is neither blacklisted by any Govt. Department nor any Criminal Case registered against the firm or its owner or partners anywhere in India be attached with this tender. Any firm/organization blacklisted by a Govt./Semi Govt. Deptt. shall not be considered for this tender and tender will be rejected straightway.
12. The payment will be made only after submitting the final security audit certificate on completion of Audit of website.
13. No claim for interest in case of delayed payment will be entertained by the Institute.
14. A copy of terms & conditions and Scope of work attached as duly signed by the tenderer, as a token of acceptance of the same should be attached along-with the tender.
15. The Tender Evaluation Committee reserves the right to relax any terms and condition in the Govt. interest, with the approval of competent authority.
16. All disputes are subject to the jurisdiction of the Courts in the N.C.T. of Delhi.

NOTE:

(A) DOCUMENTS REQUIRED TO BE ATTACHED WITH BID:

1. Sale Tax/VAT Registration Certificate along with Tin No.
2. Copy of authorization with current CERT-in empanelment.

3. Copy of terms and conditions duly signed with seal of the firm/organization, in token of acceptance of terms and conditions.
4. All the firms participating in the Tender must submit a list of their owners/partners etc. and **a Certificate to the effect that the firm is neither blacklisted by any Govt. Department** nor any Criminal Case is registered against the firm or its owner or partners anywhere in India.
5. All Other supporting documents as required in the tender shall be attached

B. COMMERCIAL BID should be in the format given at Annexure-III and it should contain price only and no other documents shall be enclosed.

SIGNATURE WITH SEAL OF TENDERER

NAME IN BLOCK LETTERS: _____

Company Name with Full Address: _____

Primary objective of the security audit exercise is to identify major vulnerabilities in the web application from internal and external threats. Once the threats are identified and reported the auditors should also suggest possible remedies. Technical Details of the applications are as follows:

1 Activity Information Management System(AIMS)

AIMS software has been developed to enable Easy Monitoring of various activities at NIELIT Centres. Currently, the following modules have been implemented in AIMS:

- i. Director's Leave/ Tour Management System (LTMS)
- ii. Building Projects Management System (BPMS)
- iii. Events Information Management System (EIMS)
- iv. Court Cases Monitoring System (CCMS)
- v. Finance Information Management System (FIMS)
- vi. CCC/BCC Certificate Status Monitoring System (CSMS)
- vii. Document Sharing System (DSS)

S. No.	Information About the Application	Version and Count
1.	Database	MS SQL Server 2008
2.	Development platform for application	JSP/ Servlets
3.	How many application roles/privilege levels of users?	Multiple
4.	Does the application provide a file download feature (Yes / No)?	No
5.	Does the application use Client-side certificate (Yes / No)?	No
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	No
7.	Tentative Testing environment (Development / Staging / Production Box)?	Staging
8.	Does the application has SMS integration (Yes/No)?	Yes
9.	Does the application has E-Mail integration (Yes/No)?	No
10.	Does the application has Payment Gateway integration (Yes/No)?	No
11.	Does the application provide a file upload feature (Yes / No)?	Yes
Detail of total number of pages(Static/Dynamic) - Count		
1	Jsp Pages	186
2	Servlets	106
3	JS files	25
	Total Pages	1. Dynamic - 296 2. Static - 0

2 Online Accreditation for CCC/BCC (<http://online.nielit.in>)

Online accreditation services (onlineaccr.nielit.in) has been started for its existing training partners conducting accredited courses as well as new institutions which are eager to partner with NIELIT to build capacities in the country in e-Governance and training services. NIELIT is in the process of building capacity in the area of education and training and therefore efforts are being made to put in place a robust and reliable online facility, which would assist the training institutions to submit applications required for running NIELIT Accredited Courses.

S. No.	Information About the Application	Version and Count
1.	Database	MS SQL 2005
2.	Development platform for application	.net, Visual Studio 2008
3.	How many application roles/privilege levels of users?	AppliedInstitute, CCCMasterAdmin, CCCMasterAdminUser, GroupOfInstitutes, HeadOffice, HeadOfficeCCC, HeadOfficeOperator, OperatorCSC, RegionalCenter
4.	Does the application provide a file download feature (Yes / No)?	No
5.	Does the application use Client-side certificate (Yes / No)?	No
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	No
7.	Tentative Testing environment (Development / Staging / Production Box)?	No
8.	Does the application has SMS integration (Yes/No)?	No
9.	Does the application has E-Mail integration (Yes/No)?	Yes
10.	Does the application has Payment Gateway integration (Yes/No)?	No
11.	Does the application provide a file upload feature (Yes / No)?	No
Detail of total number of pages(Static/Dynamic) - Count		
	Total Pages	210

3. File Tracking Management System (<http://ftms.nielit.in>) - This is a web application being used for tracking the file movements in hierarchical manner.

S. No.	Information About the Application	Version and Count
1.	Database	MS SQL 2005
2.	Development platform for application	C#.net
3.	How many application roles/privilege levels of users?	Operator, User, Super User, Administrator
4.	Does the application provide a file download feature (Yes / No)?	Yes
5.	Does the application use Client-side certificate (Yes / No)?	No
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	No
7.	Tentative Testing environment (Development / Staging / Production Box)?	No
8.	Does the application has SMS integration (Yes/No)?	No
9.	Does the application has E-Mail integration (Yes/No)?	No
10.	Does the application has Payment Gateway integration (Yes/No)?	No
11.	Does the application provide a file upload feature (Yes / No)?	No
Detail of total number of pages(Static/Dynamic) - Count		
		Root – (Static)
	Total Pages	86

4 Aadhaar Authentication Utility (<http://verifyaadhaar.nielit.in>)

This utility has been developed in-house to cater to the needs related to Aadhaar based examination in-ordinations with CSC-SPV and utilizes the UIDAI Authentication services. It accepts the transaction details and Aadhaar number from our exam application and forward to CSC API and receives response from CSC and forward it to examination application.

S. No.	Information About the Application	Version and Count
1.	Database	MS SQL Server 2008
2.	Development platform for application	ASP.Net 4.0 (Visual Studio)
3.	How many application roles/privilege levels of users?	NO (Just receives the information)

S. No.	Information About the Application	Version and Count
4.	Does the application provide a file download feature (Yes / No)?	NO
5.	Does the application use Client-side certificate (Yes / No)?	YES
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	NO
7.	Tentative Testing environment (Development / Staging / Production Box)?	Staging
8.	Does the application has SMS integration (Yes/No)?	NO
9.	Does the application has E-Mail integration (Yes/No)?	NO
10.	Does the application has Payment Gateway integration (Yes/No)?	NO
11.	Does the application provide a file upload feature (Yes / No)?	NO
Detail of total number of pages(Static/Dynamic)		
1	Root Folder	3 (Dynamic)
	Total Pages	3(Dynamic) *

5 Online Examination Portal for CCC/BCC/BCAS etc

5.a. Online Examination – Pareeksha (<http://demopareeksha.nielit.in>)

This portal is being developed to conduct the online examination examinations for various courses of NIELIT like CCC/BCC and the third party online examinations as and when required like NDLM,BCAS, IRDA etc. <http://demopareeksha.nielit.in> URL provides the pre and post examinations activities like Student and Centre Data porting, questions setting etc.

S. No.	Information About the Application	Version and Count
1.	Database	MS SQL Server 2008
2.	Development platform for application	ASP.Net 4.0 (Visual Studio)
3.	How many application roles/privilege levels of users?	04(System Admin, Exam Superintendent, Invigilator, Question Paper Setter)
4.	Does the application provide a file download feature (Yes / No)?	YES
5.	Does the application use Client-side certificate (Yes / No)?	YES
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	NO
7.	Tentative Testing environment (Development / Staging / Production Box)?	Staging
8.	Does the application has SMS integration (Yes/No)?	NO

S. No.	Information About the Application	Version and Count
9.	Does the application has E-Mail integration (Yes/No)?	NO
10.	Does the application has Payment Gateway integration (Yes/No)?	NO
11.	Does the application provide a file upload feature (Yes / No)?	YES
Detail of total number of pages(Static/Dynamic) - COUNT		
1	Root Folder	11(Dynamic)
2	Admin	Root ó 60 (Dynamic)
3	Couseflow	Root ó 1 (Static)
4	Graph	Root ó 5 (Dynamic)
5	Master Entry	Root ó4 (Dynamic)
6	QuestionBank	Root-9 (Dynamic)
7	Student	Root-17 (Dynamic)
	Total Pages	107(Dynamic) *

5.b.Online Examination - Exam Panel (<http://demopanel.nielit.in>)

This provides the interface where students appear for the examination and Centre Data upload and download activities.

S. No.	Information About the Application	Version and Count
1.	Database	MS SQL Server 2008
2.	Development platform for application	ASP.Net 4.0 (Visual Studio) Silverlight
3.	How many application roles/privilege levels of users?	02(System Admin, Student)
4.	Does the application provide a data download feature (Yes / No)?	YES
5.	Does the application use Client-side certificate (Yes / No)?	YES
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	NO
7.	Tentative Testing environment (Development / Staging / Production Box)?	Staging
8.	Does the application has SMS integration (Yes/No)?	NO
9.	Does the application has E-Mail integration (Yes/No)?	NO
10.	Does the application has Payment Gateway integration (Yes/No)?	NO
11.	Does the application provide a data upload feature (Yes / No)?	YES
Detail of total number of pages – Silverlight - COUNT		
1	Root Folder	11(Dynamic)
Detail of total number of pages ASP.Net - COUNT		
1	Root Folder	6 (Dynamic)
Total Pages		17(Dynamic)

5.c. Online Examination - Web Service (<http://democspDataServicePar.nielit.in>)

This is a web service being used in <http://demopareeksha.nielit.in> and <http://exampanel.nielit.in> to integrate the data required for the applications.

S. No.	Information About the Application	Version and Count
1.	Database	MS SQL Server 2008
2.	Development platform for application	ASP.Net 4.0 (Visual Studio)
3.	How many application roles/privilege levels of users?	NIL
4.	Does the application provide a data download feature (Yes / No)?	YES
5.	Does the application use Client-side certificate (Yes / No)?	YES
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	NO
7.	Tentative Testing environment (Development / Staging / Production Box)?	Staging
8.	Does the application has SMS integration (Yes/No)?	NO
9.	Does the application has E-Mail integration (Yes/No)?	NO
10.	Does the application has Payment Gateway integration (Yes/No)?	NO
11.	Does the application provide a data upload feature (Yes / No)?	YES
Detail of total number of pages – svc - COUNT		
1	Root Folder	01(Dynamic)
Detail of total number of pages ASP.Net - COUNT		
1	Root Folder	1 (Dynamic)
Total Pages		2(Dynamic)

5.d. Online Examination – Linux based Web Application

This is a LINUX based web service being used in <http://demopareeksha.nielit.in> and <http://demopanel.nielit.in> to integrate the data required for the applications. Further, it stores the log trail of the examinations held on the exam centres.

S. No.	Information About the Application	Version and Count
1.	Database	My SQL
2.	Development platform for application	Mono
3.	How many application roles/privilege levels of users?	01(Admin)
4.	Does the application provide a data download feature (Yes / No)?	YES
5.	Does the application use Client-side certificate (Yes / No)?	YES
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	NO

S. No.	Information About the Application	Version and Count
7.	Tentative Testing environment (Development / Staging / Production Box)?	Staging
8.	Does the application has SMS integration (Yes/No)?	NO
9.	Does the application has E-Mail integration (Yes/No)?	NO
10.	Does the application has Payment Gateway integration (Yes/No)?	NO
11.	Does the application provide a data upload feature (Yes / No)?	YES
Detail of total number of pages –.aspx pages COUNT		
1	Root Folder	11(Dynamic)
Total Pages		11(Dynamic)

6 : Transfer/Posting request online for NIELIT Employees (<http://202.141.141.155:8080/eTransfer/>)

This is a web portal developed for enabling NIELIT employees to apply online for their transfer/posting.

S. No.	Information About the Application	Version and Count
1.	Database	My SQL
2.	Development platform for application	JSP, Tomcat 5, jdk 1.6
3.	How many application roles/privilege levels of users?	03(NIEIT HQ, NIELIT Centre, User)
4.	Does the application provide a data download feature (Yes / No)?	NO
5.	Does the application use Client-side certificate (Yes / No)?	YES
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	NO
7.	Tentative Testing environment (Development / Staging / Production Box)?	Staging
8.	Does the application has SMS integration (Yes/No)?	NO
9.	Does the application has E-Mail integration (Yes/No)?	YES
10.	Does the application has Payment Gateway integration (Yes/No)?	NO
11.	Does the application provide a data upload feature (Yes / No)?	NO
Detail of total number of pages – .jsp pages COUNT		
1	Root Folder	08(Dynamic) 01(Static)
Total Pages		09

7:Sponsored Project Monitoring and MIS Data Collection Application
[\(http://202.141.141.155:8080/nielitmisonline/\)](http://202.141.141.155:8080/nielitmisonline/)

This application is developed to monitor and collect the data related to various courses conducted by NIELIT.

S. No.	Information About the Application	Version and Count
1.	Database	SQL SERVER 2008 10.0
2.	Development platform for application	JAVA,Tomcat
3.	How many application roles/privilege levels of users?	4
4.	Does the application provide a file download feature (Yes / No)?	Yes
5.	Does the application use Client-side certificate (Yes / No)?	No
6.	Is there a CMS (Content Management System) present to maintain the public portal/login module?	No
7.	Tentative Testing environment (Development / Staging / Production Box)?	No
8.	Does the application has SMS integration (Yes/No)?	No
9.	Does the application has E-Mail integration (Yes/No)?	No
10.	Does the application has Payment Gateway integration (Yes/No)?	No
11.	Does the application provide a file upload feature (Yes / No)?	No
Detail of total number of pages(Static/Dynamic) - Count		
1.	Root Folder	1 (Dynamic)
2.	Admin/HQ/Center/Other User Panel	
		Root . (Dynamic) 70
		Root . (Static) 0
	Total Pages	
		(Dynamic) * 71
		(Static) *

To ensure that all the 07 (Seven) web based applications are free from the vulnerabilities. The audit exercise will need to undertake the following activities:

1. Identify the security vulnerabilities, which may be discovered during website security audit including cross-site scripting, Broken links/Weak session management, Buffer Overflows, Forceful browsing, Form/ hidden field manipulation, Command injection, Insecure use of cryptography, Cookie posing, SQL injection, Server mis-configuration, Well known platform vulnerabilities, Errors triggering sensitive information, leak etc.
2. Identification and prioritization of various risks to the NIELIT online web applications;
3. Identify remedial solutions and recommendations for making the web applications secure.
4. Undertake user profiling and suggest specific access methodologies and privileges for each category of the users identified.
5. The auditors will have to carry out an assessment of the vulnerabilities, threats and risks that exist in all the 07(seven) web application through Internet Vulnerability Assessment and Penetration Testing. This will include identifying remedial solutions and recommendations for implementations of the same to mitigate all identified risks, with the objective of enhancing the security of the system.
6. All the 07(seven) applications should be audited as per the CERT-in Standards. The auditor is expected to submit the final audit report after the remedies/recommendations are implemented and confirmed with retest.
7. The Audit Firm/company has to submit a summary compliance report at the end of the assessment phase and the final Report will certify that NIELIT web applications are in compliance with the NIC standards

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 seven web application:

- (i) A detailed report with security status and discovered vulnerabilities weakness and mis-configurations 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 NIELIT.
- (iii) The final security audit certificate for all the 07(seven) online applications 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.

COMMERCIAL BID (On Company Letter Head)

“The Agencies are requested to submit the **combined proposal for all the applications and only one financial quotation is to be submitted for all the 07(seven) applications.**”

Name of the Bidder : _____
Address for Correspondence: _____

I/we hereby submit the commercial bid for conducting Security Audit of web applications of NIELIT as per the Scope of work given in this tender document within the time specified and in accordance with the terms and conditions.

The bidders are required to quote the rates in the following format.

S.No	Description	Cost (Consolidated price for security audit of all 07(seven) applications (In Rs.)	Taxes (if any)	Total Cost (Rs.)
(i)	(ii)	(iii)	(iv)	(v)
1	1. Activity Information Management System(AIMS) (http://202.141.141.155:8080/AIMS/) 2. Online Accreditation for CCC/BCC (http://online.nielit.in) 3. File Tracking Management System (http://ftms.nielit.in) 4. Aadhaar Authentication Utility (http://verifyaadhaar.nielit.in) 5. Aadhaar based Online Examination Portal a. Pareeksha (http://demopareeksha.nielit.in) b. Exam Panel (http://demoexampanel.nielit.in) c. Web Service (http://democsplDataServicePar.nielit.in) d. Linux based Web Application 6. Transfer/Posting request online for NIELIT Employees (http://202.141.141.155:8080/eTransfer/) 7. Sponsored Project Monitoring and MIS Data Collection Application (http://202.141.141.155:8080/nielitmisonline/)			

- L1 shall be evaluated on Total Cost at Column (v).
- The rate should not be provided as a percentage figure but in absolute Indian Rupees.
- The rate quoted must be reasonable and valid for the period of contract from the date of opening of financial bid.

Name of the Bidder: -
Authorized Signatory: -
Seal of the Organization: -

Date:
Place: