Tender Enquiry

for

Security Audit of

"AKS Software" Web Based Application

Tender Enquiry No. D.12-63/2017-NIB

Tender download start date	:	**11.01.2018, 3.00 PM**
Last date of submission of tender	:	**31.01.2018, 3.00 PM**
Tender opening date	:	**31.01.2018, 3.30 PM**

National Institute of Biologicals

(Ministry of Health & Family Welfare, Govt. of India)
A-32, Sector-62, NOIDA – 201 309 (UP)
E-mail: info@nib.gov.in, Ph.: 0120-2400022

No. D.12-63/2017-NIB

National Institute of Biologicals

(Ministry of Health & Family Welfare, Govt. of India)
A-32, Sector-62, NOIDA – 201 309 (UP)
E-mail: info@nib.gov.in, Ph.: 0120-2400022

Subject:- Tender for conducting the Security Audit of AKS Software web based application from CERT-in empanelled agencies.

NIB invites sealed limited tenders for Security Audit of "**AKS Software**" web based application from CERT-in empanelled agencies. The web based application is located at **http://nib.gov.in.**

The tender should reach to this office by **31.01.2018** at **3.00 PM** by post or personally drop in the tender box placed in **Reception, Administrative Block, National Institute of Biologicals, A-32, Sector-62, NOIDA** which will be opened on **31.01.2018 at 03.30 PM** at NIB, Noida.

The detail terms & conditions as **Annexure-I** and scope of work as **Annexure-II** are attached with this tender document.

The tendering firm shall have to attach all the relevant documents with the tender application, failing which tender will be rejected. In case the date of opening of tender is declared holiday, tender shall be opened in next working day, but tender box will be sealed on schedule date and time.

(Dr. Reba Chhabra)
I/c Dy. Director (Admn.)

TERMS & CONDITIONS

1. The web based application will be hosted at NIC Cloud Server after Security Audit, so the security audit certificate should be in compliance with the NIC standards.
2. The vendor has to provide the Audit Certificate and Security Assessment Report on completion of Security Audit of "**AKS Software**" web based application.
3. The envelope shall be prominently marked on top with "**Tender for Security Audit of AKS Software web based application**". The envelope should be properly sealed.
4. Bid Security / EMD in the form of Demand Draft/Banker Cheque for **Rs. 3,000/-** may also be submitted along with tender. Bid Security/ EMD of unsuccessful bidders will be returned immediately after award of work. Bid Security/EMD of successful bidder will be refunded after satisfactory completion of the assigned work.
5. The tender should reach this Institute by **31.01.2018 at 3.00 PM**.
6. The offer should be valid for 120 days from the date of opening of bid.
7. Only those organizations/firms registered with the CERT-in-empanelled are eligible for submitting the tender (documentary proof to be attached with tender).
8. Incomplete or conditional tender will not be entertained.
9. No tender will be accepted by hand and tender received after closing date and time, will not be entertained.
10. The first round of Security Audit report should be submitted to NIB within 3 working days after the work order issued by NIB and consecutive round report if any should be submitted within 5 working days.
11. If there is any delay after given time period, a Liquidate Damage (LD) @ 2% of total cost of work per week or part thereof subject to maximum 10% of the total wok value will be deducted from the bill.
12. The tenderer can remain present himself /herself or his/her authorized representative at the time of opening the tender.
13. 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 is 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.
14. NIB reserves the right to accept or reject any or all the quotations without assigning any reason thereof.
15. **The payment will be made after submitting the Web Application Audit Certificate, Security Assessment Report and receipt of compliance note from National Informatics Centre (NIC) to declare safe for hosting. No advance payment will be made. Payment will be released after deduction of TDS and other statutory dues as applicable within 30 days after receipt of bill.**
16. No claim for interest in case of delayed payment will be entertained by the Institute.
17. A copy of terms & conditions attached as **Annexure-I** and Scope of work attached as **Annexure-II** duly signed by the tenderer, as a token of acceptance of the same should be attached along-with the tender.
18. All disputes are subject to the jurisdiction of the Courts in the Delhi / Noida.
19. Firms/organization will also have to assist in fixing vulnerabilities, if any, after security audit for the platforms i.e. PHP / MySQL server at application level.

NOTE:

(A) DOCUMENTS REQUIRED TO BE ATTACHED WITH BID IN THE FOLLOWING ORDER :-

1. Certificate of incorporation / Registration
2. Goods & Service Tax Registration Certificate along with No. and Copy of PAN
3. Documentary proof indicating that the firm is register under empanelment of CERT-IN.
4. Copy of terms and conditions duly signed with seal of the firm/organization, in token of acceptance of terms and conditions.
6. Certificate to the effect that the firm/organization is neither blacklisted by any Govt. Department nor any Criminal Case is registered against the firm or its owner or partners anywhere in India.
7. All Other supporting documents as required in the tender shall be attached.
8. Self-attested copy of the work order received from any Govt. organisation / Department for similar work in justification of quoted rates.
9. List of clients, Govt. as well as reputed private organisations.

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

SIGNATURE WITH SEAL OF TENDERER _____

Date: _____

Scope of Work for the Security Audit

Primary objective of the Security Audit exercise is to identify major vulnerabilities of the AKS Software web based application from internal and external threats. Once the threats are identified and reported, the auditors should also suggest possible remedies. The exercise should also undertake a review of the Information security policy document and suggest additions and deletions in the light of the implementation of AKS Software web based application.

A.Technical details of AKS Software:-

S.No.	Description	Version and counts
1.	Web Application Name & URL	http://nib.gov.in/snsqphp/nsqd_login.php
2.	Operating System Detail	LINUX
3.	Web Application Server	Apache
4.	Front-end-Tool (Server side scripts)	PHP, HTML
5.	Back-end-Database	MySQL
6.	No. of Roles	02
7.	Whether the application contains any CMS	No
8.	Total No. of Input Forms	4
9.	Total No. of Input Fields	20
10.	Total No. of Static Pages	35
11.	Total No. of Dynamic Pages	20
12.	No. of login modules	2

To ensure that the web based application is free from the all vulnerabilities, the audit exercise will need to undertake the following activities:

1. Identify the security vulnerabilities, which may be discovered during the 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 miss-configuration, Well known platform vulnerabilities, Errors triggering sensitive information, leak etc.
2. Application Security Assessment (manually and with multiple automated tools).
3. Validation and deliverables (POC, Screenshots, attack vector, attack details in reporting template).
4. Closing meeting
5. Identification and prioritization of various risks to the AKS Software web based application;
6. Identify remedial solutions and recommendations for making the web application secure & safe.
7. Undertake user profiling and suggest specific access methodologies and privileges for each category of the users identified.
8. Assistance to development team in fixing the vulnerabilities.

The auditors will have to carry out an assessment of the vulnerabilities, threats and risks that exist in applications 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. The bidder will also be expected to propose a risk mitigation strategy as well as give specific recommendations to tackle the residual risks emerging out of identified vulnerabilities assessment. The AKS Software should be audited as per the CERT-in Standards. The auditor is expected to submit the Web Application Audit Certificate and Security Assessment Report after the remedies / recommendations are implemented and confirmed with retest.

After the report is submitted by the auditors, IT Team of IT Cell of the Institute will be expected to remove all the vulnerabilities. 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 AKS Software is developed in compliance with the NIC standards.

Deliverables and Audit Reports

The successful bidder will be required to submit the following documents in printed format after the Security Audit:

(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 IT Cell of the Institute.

(iii) The Final Security Audit Certificate for "**AKS Software**" web based application 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.

SIGNATURE WITH SEAL OF TENDERER _____

Date: _____

No. D.12-63/2017-NIB
COMMERCIAL BID (On Company Letter Head)

Date:_____

Subject:- **Tender for conducting the Security Audit of AKS Software web based application from CERT-in empanelled agencies.**.

Tender Ref. No. : D.12-63/2017-NIB

S.No.	Description	Price (Rs.)
1.	Security Audit of AKS Software web based application	
2.	GST @ %	
3.	Total (Rs.)	
Rupees in words:		

- Quoted rates should be valid for 120 days from the date of opening of the bid.

- If taxes (rate & amount) are not quoted in above, it will be treated as inclusive of taxes.

SIGNATURE WITH SEAL OF TENDERER _____

NAME IN BLOCK LETTERS: _____

Date:_____

Company Name with Full Address: _____

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