

West Bengal
Industrial Infrastructure Development Corporation
DJ-10, Sector II, Saltlake City, Kolkata 700 091



No: Infra/Gen/1L-1-H.O.-2/2017/1567

Date: 18.11.2019

Notice Inviting Tender No: IIDC /D & P/ 06/2019-20
of Executive Engineer(Civil), Design & Planning Division, WBIIDC

West Bengal Industrial Infrastructure Development Corporation (WBIIDC) was established in the year 1974 by an act of the State Government and is engaged in development of physical as well as social infrastructure for the cause of growth of industrial and economic development in the state of West Bengal. The Corporation has got Division Office establishments in different districts of the State and it's headquarter is situated in Saltlake, Kolkata. In course of its operation, WBIIDC has established 18(eighteen) Industrial Growth Centers equipped with supporting infrastructure viz. developed Lands / sheds, power, water, access roads, drainage facilities, residential accommodation etc.

To promote efficiency, transparency, quick delivery, accuracy, etc., in its operational activities. WBIIDC desires to develop e-office environment by incorporating Web-based Application Modules and needs to get the applications and the IT system damage proof by "Conducting biannual Cyber Security Audit for existing web applications as well the IT system of WBIIDC by Cert-In Empanelled Agencies to acquire certification of compliance following NIC Standards and guidelines".

The purpose of this NIT is to select a CERT-IN empaneled Auditors to conduct IT security audits, including vulnerability assessment and penetration testing of the networked IT infrastructure of WBIIDC. The selected bidder/ Auditor shall be engaged with WBIIDC in identifying the gaps and assist, guide, develop and render expert advice to WBIIDC to ensure that its information assets are adequately protected on a continuous basis from a variety of threats such as error, fraud, cyber-attacks, embezzlement, sabotage, terror, extortion, espionage, privacy violation, service interruption and natural disaster. The selected bidder will also assist WBIIDC in implementation and compliance of "NIC Standards and guidelines" including all amendments thereto.

Sealed tenders are invited by the Executive Engineer (Civil), Design & Planning Division, WBIIDC for the following works under WBIIDC from the CISA/CISSP Qualified, bonafide, reputed, reliable experienced and resourceful Cert-In Empanelled Cyber Security Auditor possessing having Proven Professional Expertise and in their credit, experience of successful completion of similar nature of job etc. under Government Departments and/or other Statutory Bodies or Public Sector Undertakings or reputed Organizations / Enterprises having turnover more than 25 Crore during 2017-18, of similar nature of job under a single contract of money value not less than ₹ 41,600.00 during the period 2015 – 2019.

Sl.No	Description of Works	Estimated Amount put to Tender.	Earnest Money	Last date of a) Application b) Date of issue of tender form.	a) Time of completion. b) Date of receipt of tender
1.	Conducting biannual Cyber Security Audit for existing web applications as well the IT system of WBIIDC by Cert-In Empanelled Agencies to acquire certification of compliance following NIC Standards and guidelines using Industry Standards and as per the Open Web Application Security Project (OWASP) Methodology.	₹ 1, 04,000.00	₹ 2,080.00	A)25.11.2019 b) 26.11.2019	a) 15 days for each audit session. b) 28.11.2019

Application Procedure

Intending tenderers shall have to apply for above work in writing to the Executive Engineer (Civil), Design & Planning Division, WBIIDC at above address for obtaining permission for issuance of tender papers latest by 25/11/2019 up to 14.00 hrs.(I.S.T.) for tenders with photo copies (self- attested with company stamp & date) of credentials regarding satisfactory completion of similar nature of work as mentioned above, along with valid Certificate of empanelment with CERT-IN for the period 2017-2020, Professional Tax Deposit Challan, PAN Card, Latest I.T. Return Details, GST Registration Certificate, Completion Certificate etc.

The bidder should have Audit Consultant who is CISA/CISSP Qualified and will conduct & certify the audit at WBIIDC. Details of the Auditor including qualification documents duly self-certified is to be submitted during submission of application.

All the photocopies will be verified from originals by the person receiving application at the time of receiving the application before last date of submission of application. Application submitted without verification from original will be treated as cancelled and the applicant will not be entertained for the participation in the tender.

Tender Submission & Opening

The detailed tender documents may be obtained on the specified dates up to 14.00 hrs. on payment of Rs.75.00 (non-refundable) plus GST @ 18% (Total ₹ 89.00) in cash per form from the office of the Executive Engineer(Civil), Design & Planning Division, WBIIDC at the above address. The completed tender papers will be received at above address up to 15.00 hrs. (I.S.T.) on 28/11/ /2019 and will be opened at 15.30hrs. (I.S.T.) on the same day in presence of the intending tenderers or their authorized representative

Validity of Offer

Bids shall remain valid for a period not less than 120 (One hundred twenty) days after the date of opening of the tender. Bid valid for a shorter period shall be rejected as non-responsive. If the bidder withdraws the bid during the period of bid validity the earnest money as deposited will be forfeited forthwith without assigning any reason thereof.

Bidding Requirements

- a) If any bidder does not quote any rate against any particular item, it will be considered that the bidder is bound to execute the work up to stipulated quantity free of cost i.e. no amount will be claimed against that item for execution up to stipulated quantity mention in the BOQ.
- b) A bidder is not permitted to participate, if he has been debarred or penalized for any reasons out of work, by any Government department. During the bidding process if it is found that the firm has been debarred or penalized by any Govt. Department, the bid will be rejected outright. An affidavit in the prescribed format (mentioned in annexure) is to be produced in this respect.
- c) Joint venture establishments will not be allowed to participate in the above NIT. A prospective bidder shall be allowed to participate in a single job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job, all his applications will be rejected for that job.
- d) The rates mentioned in the priced Schedule of Work is inclusive of GST @ 18%, all other Taxes and charges relevant to the work. Bidders should take note of the matter during quoting the rates.

Detailed Scope of Work

The Auditor is expected to carry out an assessment of the vulnerabilities, threats and risks that may exist in three web applications at present viz.

- Electronic Visitors' Management System Module,
- Accounting and Financial Management Module and
- Data Acquisition & Document Management Module

for WBIIDC and the IT systems 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 web portal of WBIIDC. The web portal audit should be done by using Industry Standards and as per the Open Web Application Security Project (OWASP) methodology.

Vulnerable Assessment and Penetration testing (VAPT)

The Vulnerable assessment and Penetration Testing (VAPT) for IT systems is to be conducted for all locations. VAPT would include the following but not limited to:

- Port scanning of the servers, network devices and security devices/applications.
- Analysis and assessment of vulnerabilities.
- Network traffic observation for important and confidential information like username, password flowing in clear text.
- Perform a comprehensive scan of all IP address ranges in use to determine what vulnerabilities exist in the network devices and servers, and to review all responses to determine if any risks exist.
- Use vulnerability scanners to scan the critical/ network devices and servers to determine vulnerability exists.
- Search for back door traps in the Operating Systems.
- Router testing, Firewall testing
- Check for the known vulnerabilities in the Operating Systems, and applications like Browser, E-Mail, Web Server, and VPN etc.
- Use tools to perform a password scan to determine accounts that have passwords that are "easy" to crack.
- Test for the presence of unnecessary services/applications those are running on the network devices/servers/workstations.
- Exploitation of vulnerabilities

The assessment/testing should check for various categories of threats including but not limited to:

- Unauthorized access into the network and extent of such access possible
- Unauthorized modifications to the network and traffic flowing over network
- Extent of information disclosure from the network
- Spoofing of identity over the network
- Possibility of denial of services
- Possible threats from malicious codes (viruses and worms etc.)
- Possibility of traffic route poisoning
- In addition to above, Penetration testing is to be carried out based on the Open Web Application Security Project (OWASP) Top Ten criteria as mentioned below but not limited to
- Injection Flaws
- Broken Authentication and Session Management
- Cross-Site Scripting (XSS)
- Insecure Direct Object References
- Security Misconfiguration

- Sensitive Data Exposure
- Missing Function Level Access Control
- Cross-Site Request Forgery (CSRF)
- Using Components with Known Vulnerabilities
- Unvalidated Redirects and Forwards

Deliverables

Individual report should be provided for various IT Systems location-wise and consolidated. The Report should consist of an executive summary that expresses business risk and the technical nature of the risk and its seriousness, and a technical report that includes findings and mitigation strategies in full detail.

After successful security audit of the web portal, the security audit report from the auditor will be required to certify that all web pages along with respective linked data files (in pdf / doc / xls/ AutoCAD and others formats used in WBIIDC work environment) existing presently and supposed to hosted in future, 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 web portal.

IT Infrastructure Security Audit

The Cert-In Empanelled Agencies shall do the activities which would include the followings towards Conducting Network Security Architecture Review of WBIIDC's Network at Headquarter and at Division Offices in different district of the state of West Bengal:

- Understanding the traffic flow in the LAN networks at headquarter and division offices.
- Analyse the Network Security controls, which include study of logical locations of security components like firewall, IDS/IPS and servers.
- Study of incoming and outgoing traffic flow among application servers and database servers, and Active Directory from security point of view.
- Review of other applicable security aspects with respect to wired and wireless connectivity.
- Study and review of network architecture from disaster recovery point of view.
- Study and analyse the network device's roles and configuration thorough configuration audit.
 - Understand and evaluate the loopholes in the configuration, if any.
 - Audit checklist for network devices
 - Configuration of all Network Equipment's should be verified for any Security threats

Deliverables

Risk assessment report/Gap analysis comprising of risks, solutions, recommendations followed by guidance for implementation of the corrective measures. The agency is also required to finally issue the Audit Compliance Certificate/Assurance certificate to WBIIDC, post completion of the process regarding successful patching of all vulnerabilities.

If any services, functions or responsibilities not specifically described in the contract are an inherent, necessary or customary part of the services or are required for proper performance or provision of the services in accordance with the Broad Scope of Work or Indicative List of Required Features, they shall be deemed to be included within the scope of the work to be delivered for the charges, as if such services, functions or responsibilities were specifically described in the scope of work.

Billing Process

The Security Auditor will submit to the Executive Engineer (Civil), Design & Planning, WBIIDC bills in triplicate on completion of each stage of Audit giving the details of fees, for effecting payment. Tax Invoices(s) needs to be issued by the supplier for raising claim under the contract showing separately the tax charged in accordance with the provisions of GST Act, 2017.

Terms of Payment

Payment terms are as noted below:

Event	Payment
Submission and acceptance of 1 st part of Biannual report duly certified by CISA/CISSP Qualified Security Auditor as per requirements mentioned in detailed scope of work.	50% of the Tendered Amount
Submission and acceptance of 1 st part of Biannual report duly certified by CISA/CISSP Qualified Security Auditor as per requirements mentioned in detailed scope of work.	50% of the Tendered Amount

Penalty Clause:

- I. If the Security Auditor fails to deliver any or all the services covered under the scope of work by the contract, the Corporation reserve the right in addition to the legal remedies to cancel the contract as a whole or any portion thereof and hold the Auditor liable for all the damages, sustained by virtue of said cancellation and failing to perform the contract.
- II. In the event of Corporation exercising its right to cancel the contract or any portion thereof as stated in the proceeding clause, the Corporation shall be entitled to obtain the remaining services as offered by the supplier, In such an event, the Corporation shall be entitled to recover from the supplier the amount which the Corporation may have to incur over the above price which was payable to the supplier.

Earnest Money Deposit (EMD)

Developer shall deposit EMD as mentioned in the notice in the form of Demand Draft drawn on any Nationalized Bank in favour of “**West Bengal Industrial Infrastructure Development Corporation**” payable at **Kolkata**. No interest shall be paid on any account against EMD. EMD of all unsuccessful Tenderers shall be returned after award of work to the successful bidder on request by the Tenderers.

Security Deposit

The EMD of the successful tenderer will be retained with WBIIDC as Security Deposit along with the amounts deducted from progressive bill/s, so that total security deposit amount becomes 10% of value of work executed.

Refund of Security Deposit

Security Deposit amount will be refunded on successful completion and acceptance of work.

Force majeure:-

- I. Notwithstanding the provisions of Clauses i & ii, the Developer shall not be liable for forfeiture of amount towards liquidated damages/penalty or termination for default, it and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force majeure.

- II. For purposes of this Clause, “Force Majeure” means an event beyond the control of the Developer and not involving the Developer’s fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Corporation either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes
- III. If a Force Majeure situation arises, the Developer shall promptly notify the Corporation in writing of such conditions and the cause thereof within 48 (Forty Eight) hours. Unless otherwise directed by the Purchases in writing, the Developer shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

Recovery of Income Tax and other Taxes:

Income tax & other taxes as admissible will be deducted from each bill as per Government Rules.

Rejection & Acceptance of Tender

The Executive Engineer (Civil), Design & Planning Division, WBIIDC reserves the right to reject / accept the tender in whole or part thereof without assigning any reason whatsoever. If any date mentioned above happens to be holiday, the next working day will be considered as the stipulated date. In no circumstances, the quoted rates will be altered after acceptance of the tender.

Effect of any breach of conditions of contract

In such event, security deposit of the developer will be forfeited.

Agreement for the Work

The successful Security Auditor will have to execute an agreement with WBIIDC on Rs.100/- stamp paper (non-judicial). Format of agreement is placed at Annexure - III. The conditions of the agreement shall be binding on the Security Auditor. All communications and documents relating the tender will become part of agreement.

Time Extension for submission of report beyond the specified period

If at any stage of preparation of Audit report, the Auditor apprehends delay in the completion of work, they shall at least a week in advance, seek on sufficient grounds suitable extension, which may be granted/rejected after consideration of related issues.

Debarment of Security Auditor participating for works under WBIIDC

Penal measures of suspension and debarment will be imposed upon the Security Auditor s who are participating in the tender process as well as selected for execution of Corporation’s work for their false declaration of forgery or falsification of records submitted or failure to execute committed contract or for their failure to perform contractual obligations and thereby resulting delay in execution of the public works or execution of faulty works. Action will be taken as per Memorandum No.547-W(C)/1M-387/15 dt.16.11.2015 of the Joint Secretary to the Govt. of west Bengal, Public Works Department.

Dispute Settlement

In the event of any dispute or differences arising under the terms of this agreement, the same shall be settled by mutual discussion and negotiation. Only when such procedure fails, such matter shall be settled through a reference to arbitration by a sole arbitrator to be appointed under the provisions of Arbitration and Conciliation Act, 1996.

In case of any dispute between the agency and Corporation (WBIIDC), the Corporation shall have the right to decide. However all matters of jurisdiction shall be at the local court located at West Bengal only.

Obligation to the Security Auditor

- a. The Security Auditor shall ensure full compliance with Tax Laws of India with regard to this contract and shall be solely responsible for the same.

- b. The Security Auditor shall submit copies of acknowledgement substantiating ceiling of return every year and shall keep the Tender Inviting Authority fully indemnified against liability of Tax, Interest, Penalty etc., of the Security Auditor in respect thereof, which may arise.

- c. The Security Auditor shall also comply with all applicable statutory liability.

Executive Engineer (Civil)
Design & Planning Division

ANNEXURE I

Covering Letter Submitting Tender over Printed Letter Head

(To be kept within main envelope along with Tender Document)

To
The Executive Engineer (Civil),
Design & Planning Division
WBIIDC, DJ-10, Sector II,
Saltlake City, Kolkata 700 091

Subject: Submission of Tender for “*Conducting biannual Cyber Security Audit for existing web applications as well the IT system of WBIIDC by Cert-In Empanelled Agencies to acquire certification of compliance following NIC Standards and guidelines*”

Reference: N.I.T. No. IIDC /D & P/ 06/2019-20

Sir,

I/We am/are submitting our tender in sealed envelopes for the above work. All the statements made in this Tender are true and I/we accept that any misinterpretation contained in it may lead to our disqualification.

I/We also understand that you are not bound to accept any tender you have received.
We remain,

Yours Sincerely

Signature of Authorized Signatory

ANNEXURE II

Tender for Bi-annual Cyber Security Audit

Priced Schedule for the Work of “Conducting biannual Cyber Security Audit for existing web applications as well the IT system of WBIIDC by Cert-In Empanelled Agencies to acquire certification of compliance following NIC Standards and guidelines”.

Sl. No	Items of Work	Qty.	Unit	Rate (₹)	Amount(₹)
1.	Conducting biannual Cyber Security Audit for existing web applications as well the IT system of WBIIDC by Cert-In Empanelled Agencies to acquire Certification of compliance following NIC Standards and guidelines including provisos of scope of work. The rates are inclusive of GST, other taxes and all incidental Charges.	2	Item	52,000.00	1,04,000.00
	Total Estimated Cost (₹)				1,04,000.00

(Rupees one lakh four thousand only)

Scope of Work:

The Auditor is expected to carry out an assessment of the vulnerabilities, threats and risks that may exist in the web applications and the IT systems 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 web portal of WBIIDC. The web portal audit should be done by using Industry Standards and as per the Open Web Application Security Project (OWASP) methodology.

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- Router testing, Firewall testing
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"easy" to crack.

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- Unauthorized access into the network and extent of such access possible
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- Possibility of denial of services
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In addition to above, Penetration testing is to be carried out based on the Open Web Application Security Project (OWASP) Top Ten criteria as mentioned below but not limited to –

- Injection Flaws
- Broken Authentication and Session Management
- Cross-Site Scripting (XSS)
- Insecure Direct Object References
- Security Misconfiguration
- Sensitive Data Exposure
- Missing Function Level Access Control
- Cross-Site Request Forgery (CSRF)
- Using Components with Known Vulnerabilities
- Unvalidated Redirects and Forwards

Deliverables

Individual report should be provided for various IT Systems location-wise and consolidated. The Report should consist of an executive summary that expresses business risk and the technical nature of the risk and its seriousness, and a technical report that includes findings and mitigation strategies in full detail.

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- Analyze the Network Security controls, which include study of logical locations of security

- components like firewall, IDS/IPS and servers.
- Study of incoming and outgoing traffic flow among application servers and database servers, and Active Directory from security point of view.
 - Review of other applicable security aspects with respect to wired and wireless connectivity.
 - Study and review of network architecture from disaster recovery point of view.
 - Study and analyse the network device's roles and configuration thorough configuration audit.
 - Understand and evaluate the loopholes in the configuration, if any.
 - Audit checklist for network devices
 - Configuration of all Network Equipment's should be verified for any Security threats

Deliverables

Risk assessment report/Gap analysis comprising of risks, solutions, recommendations followed by guidance for implementation of the corrective measures. The agency is also required to finally issue the Audit Compliance Certificate/Assurance certificate to WBIIDC, post completion of the process regarding successful patching of all vulnerabilities.

Declaration by the Tenderer and Quotation of Rate

I have fully understood the requirements for the Cyber Security Audit work as specified in the priced schedule & scope work mentioned above as well those have been detailed in the tender document.

Considering every aspects of the assignment, I/We submit our rate as__% (in word _____ Percent) above / at par / below the rate mentioned in priced schedule of work.

Date:
Place

Signature of Authorized Signatory
Name and Designation of the Signatory
Name of the Firm
Address
Ph. & Fax No
E Mail ID

**AGREEMENT BETWEEN WEST BENGAL INDUSTRIAL
INFRASTRUCTURE DEVELOPMENT CORPORATION AND (NAME OF
SUCCESSFUL TENDERER)**

This agreement made on this day of Two Thousand Nineteen between the West Bengal Industrial Infrastructure Development corporation, DJ-10, Sector II, Saltlake City, Kolkata 700 091. West Bengal (hereinafter called the “WBIIDC” which expression shall unless excluded by or repugnant to the context, be deemed to include their successors in office) on the one part and----- (hereinafter called the “Security Auditor/Auditor” which expression shall unless excluded by or repugnant to the context be deemed to include their heirs, executors, administrators, representatives and assigns or successors in Office) on the other part.

WHEREAS WBIIDC is desirous of commissioning the services of an Security Auditor to assume total responsibility with regard to “*Conducting biannual Cyber Security Audit for existing web applications as well the IT system of WBIIDC by Cert-In Empanelled Agencies to acquire certification of compliance following NIC Standards and guidelines*”. The work shall be completed in all respect within period as mentioned in respective section of tender document.

WHEREAS the Security Auditor has offered to execute and complete each study at rate_% (in word_____percent) above / below the rate mentioned in priced schedule of work fees and whereas WBIIDC has accepted the offer of the Security Auditor and whereas the Security Auditor has furnished Earnest Money Deposit of ₹ 1,652.00 (minimum preset non-interest bearing amount) in the form of Demand Draft in favour of “WBIIDC” for the due fulfillment of all the conditions of this contract.

NOW IN THIS AGREEMENT WITNESSTH AS FOLLOWS. In this agreement words and expression shall have the same meaning as are respectively assigned to them in the conditions of contract hereinafter referred to. The following documents in this regard shall form an integral part of this agreement and be read construed as part of this agreement viz.

1. Security Auditor’s submissions in response to N.I.T. No. IIDC /D & P/ 03/2019-20.
2. Work Order no. ----- dated -----

The contract agreement has been compiled by the WBIIDC primarily from the original tender documents and all the correspondence from the tendering stage till acceptance. In the event of any difference arising from the completion of the contract, the original tender document, Security Auditor’s offer and work order issued by WBIIDC may be referred to by either party. The terms of this Agreement and Bid document are subject to change as occasion would arise and as may be decided by the Chief Executive Officer, WBIIDC.

West Bengal
Industrial Infrastructure Development Corporation
DJ-10, Sector II, Saltlake City, Kolkata 700 091



These documents shall take precedence over the compiled documents. The Security Auditor hereby covenants with the WBIIDC to complete the “study” in all respect as per the provisions of the agreement.

The WBIIDC hereby covenants to pay the Security Auditor in consideration of such completion of work, the contract price at the time and in the manner as mentioned in the tender document.

In WITNESS WHERE OF the parties hereto have caused this contract to be executed in accordance with their respective laws the day and year first above written.

Signed sealed and delivered by the Executive Engineer (Civil), Design & Planning Division, WBIIDC (for the Authority) in the presence of

Seal of the Authority Signed.

Sealed and delivered by the said (For the Security Auditor) in the presence of