



**Bharat Heavy Electricals Limited**  
ITX, HEEP, RANIPUR, HARIDWAR-249403 (Uttarakhand, India)  
Phone: 01334-281118, FAX: 223948 E-mail: geeta@bhelhwr.co.in

HW/ITX/2/1075  
February 28, 2013

**Subject: Rate Contract with a validity period of 2 years for conducting Penetration Testing of Internet facing network devices, services and applications of all Units / Divisions of BHEL, located throughout India at more than 15 locations**

Dear Sir,

1. Bharat Heavy Electricals limited (BHEL) intends to identify the potential vulnerabilities in the organization's infrastructure that may be exploited from the Internet. The focus is to determine the security risk level in different locations of BHEL network and web applications so that appropriate remedial action can be taken.
2. BHEL invites offers from the **CERT-In Empanelled Information security auditing organization** for the appointment of agencies on Rate Contract basis of validity period of 2 years, for conducting the remote penetration test annually for the different BHEL locations which are located across the country. List of locations with their requirements given in Annexure-III. The finalization of Rate Contract Order will be done by BHEL Haridwar unit. Subsequent order placement and respective payment shall be done by the respective locations. Bidders participating in the tender must be a CERT-In empanelled organization, otherwise their bid will not be considered for further evaluation. Bidder's CERT-In empanelment should be live at the time of bid submission. Successful bidder should revalidate the same as and when required so that the same is kept live during the currency of the contract failing which the contract will be short closed.
3. The tender document comprises of following

Annexure I	Scope of Work & Terms and Conditions
Annexure II	Technical Compliance sheet
Annexure III	List of locations with their requirements
Annexure IV	Price Bid Sheet
4. You are requested to submit **techno-commercial offer in two parts** in the enclosed formats strictly as per the scope of work indicated therein. The tender offer should be **sealed in separate envelopes with 'Technical bids' / 'Commercial bids', tender no., opening date duly super scribed** on the envelopes. The technical bid envelope should enclose your technical offer, signed copy of Scope of Work & Terms and Conditions (Annexure-I), Technical Compliance Sheet (Annexure –II) and Unpriced Price Bid as per Annexure IV duly signed. Vendor has to write "Q" against the all quoted items in the Unpriced bid. Incomplete price bid and conditional price bid (that is in deviation to the price bid format given by BHEL ) will not be considered for evaluation. Hence it is required to confirm in the Technical bid that price bid filled is fully in line with the price bid format. **All documents/ certificates required as per Annexure-I must be submitted in the Technical bid.**



**Bharat Heavy Electricals Limited**  
ITX, HEEP, RANIPUR, HARIDWAR-249403 (Uttarakhand, India)  
Phone: 01334-281118, FAX: 223948 E-mail: geeta@bhelhwr.co.in

**The commercial bid envelope should enclose Price Bid Sheet Annexure IV only. The price bid sheet should be in Annexure IV format only.**

5. The offers in sealed envelopes (as stated in para-4 above) should be submitted latest by **1.45 P.M. on 26/3/2013** at the following address through registered post/ speed post:

**Head of Material Management  
BHEL, Heavy Electricals Equipment Plant  
Tender room, 4<sup>th</sup> floor, Main Admin Building  
Ranipur Haridwar (Uttarakhand)  
PIN- 249403**

The quotation must be posted taking the allowance for postal transit delays. BHEL shall not be responsible for any postal delay, in any condition.

Alternatively, the tender duly sealed and superscripted, clearly mentioning the 'Technical/Commercial Bid', tender no. , opening date as mentioned above may be deposited in the **tender box situated at fourth floor, Main Administrative Building, HEEP, BHEL Ranipur, Haridwar.**

Quotation not received in time is likely to be ignored.

Tender opening is scheduled to start in the tender room at 2 PM on due date. Therefore quotation must reach the above mentioned office / tender box latest by 1:45 PM on due date. The technical bids will be opened on the day of submission of the offer in the presence of the tenderers or their authorized representatives who may like to be present. Incomplete offers are liable to be rejected.

6. The terms and conditions given at Annexure-I will be adhered to by the tenderer. Please do not remain silent on any point and if you are not accepting any terms/condition please clearly state so. Any deviation/remarks should be clearly specified by the tenderer in separate sheets.
7. Vendor must meet the Qualification Criteria as per Annexure-I. The offers not meeting the criteria will be rejected summarily.
8. The evaluation of tender, appointment and distribution of work to vendors shall be as per Annexure –I

**IMPORTANT:** Any vagueness / incomplete detail in the offers shall make it liable to be rejected as these shortcomings in the offers shall be interpreted as incompetence on the part of vendor to meet the requirements of BHEL.



**Bharat Heavy Electricals Limited**  
ITX, HEEP, RANIPUR, HARIDWAR-249403 (Uttarakhand, India)  
Phone: 01334-281118, FAX: 223948 E-mail: geeta@bhelhwr.co.in

Checklist for submitting the bid is as under:

**To be submitted with Technical Bid:**

Sl.	Annexure	Description	Remarks
1	Annexure I	Scope of Work & Terms and Conditions	Signed Copy & your proposal
2	Annexure II	Technical Compliance sheet	Technical Compliance Sheet filled with your response.
2	Annexure IV	Unpriced Price Bid	Signed Copy & Filled Q against all quoted items and clearly mention all applicable taxes
3		Qualification Criteria	Document for Proof of Cert-In Empanelment

**To be submitted with Price Bid:**

Sl.	Annexure	Description	Remarks
1	Annexure IV	Price Bid	In a separate sealed envelope

**Annexure List:**

Annexure I	Scope of Work & Terms and Conditions
Annexure II	Technical Compliance sheet
Annexure III	List of locations with their requirements
Annexure IV	Price Bid Sheet

Thanking you,

Yours faithfully,

**(Geeta Singh)**  
**Sr. Manager (ITX)**



## SCOPE OF WORK & TERMS AND CONDITIONS

### 1 General

- 1.1 The term vendor(s) shall apply to successful tenderer(s).
- 1.2 BHEL shall appoint two vendors (L1 and a second vendor) for the Penetration Testing work as specified in the distribution of work and the scope of work in the tender document.
- 1.3 The Rate Contract Letter of Intent (LOI) will be placed by BHEL Haridwar unit. Subsequently, the Work Order placement and respective payment will be done by the respective BHEL location/unit for their requirements. The Work Order shall be placed by BHEL location/unit once in a year; i.e. two times in two years of contract period. BHEL location/unit may place the work order any time in a year depending upon the convenience of that location/unit.
- 1.4 The vendor shall fulfill the requirements as defined in scope of work and deliverables as Work Order placed by BHEL on the vendor from time to time.

### 2 Qualification Criteria

- 2.1 The vendors shall be a CERT-In empanelled Information security auditing organization.
- 2.2 The successful shall keep their empanelment live with the CERT-In for the entire contract period.
- 2.3 For the compliance, all vendors shall submit the certificate of CERT-In empanelment or copy of the current list from CERT-In website at the time bid submission and successful vendor also to submit the certificate to the Work order placement location/unit. In case bidder is de-paneled from the CERT-In, it will be automatically de-paneled from the BHEL Rate Contract, without serving any notice.

### 3 Scope of Work

- 3.1 Bharat Heavy Electricals limited (BHEL) is an integrated power plant equipment manufacturer and one of the largest Engineering and Manufacturing companies in India in terms of turnover. BHEL is engaged in the Design, Engineering, Manufacture, Construction, Testing, Commissioning and Servicing of a wide range of products and services for the core sectors of the economy, viz. Power, Transmission, Industry, Transportation (Railway), Renewable Energy, Oil & Gas and Defence. BHEL is having 15 manufacturing divisions, two repair units, four regional offices, eight service centres and 15 regional centres and currently operate at more than 150 project sites across India and abroad. BHEL is also among the five Maharatnas of the country's Central Public Sector Enterprises. Presently 16 BHEL locations are certified for ISO 27001-2005 and more locations are in the process of certification. BHEL intends to identify the potential vulnerabilities in its network and web applications hosted on Internet that may be exploited from the Internet. These vulnerabilities could allow an attacker to potentially steal data from network, install malicious code and post unauthorized or malicious content on the servers or use network to launch an attack or for other such malicious activity on the Internet. The focus is on identifying the vulnerabilities and risk level in different locations of BHEL network that is currently exposed to Internet, so that appropriate remedial action can be taken.
- 3.2 BHEL shall appoint two agencies from the CERT-In Empanelled Information security auditing organization on the Rate Contract basis for the validity period of 2 years for conducting the remote external Penetration Test annually of different BHEL locations across the country as per the Annexure-III. The distribution of work between vendors shall be as per the clause 6 of the tender document. The quantities and distribution of work mentioned in Annexure III are indicative only and minimum assured quantity will be 90% of the projected no. of IPs for which Penetration Testing is to be conducted. The quantities may likely to increase up to 10% for the new upcoming ISO 27001:2005 certified locations.



- 3.3 The Penetration Testing must include Network Penetration Testing and Web Application Security testing of websites hosted on Internet and both tests must be performed in integrated fashion to discover the overall security flaws in the network. The network penetration testing should include but not limited to these activities like identification of all existing services running on the device/server, determine which ports are open and what level of access is permitted, identification misconfiguration of operating system, network and services and list out all vulnerabilities that exists on the network and are visible to the external world.
- 3.4 The web application security testing should discover the security flaws in web server configuration and application security weaknesses like cross site scripting, broken access control, improper error handling, SQL injection, input validation, denial of service attack, buffer overflow etc. Latest industry standard benchmark like OWASP 2010 and SANS vulnerabilities shall be followed as guidelines to identify the vulnerabilities. Web applications on Internet facing web server may be of different platform (JSP, ASP, PHP, .NET etc.) hosted on different type of web server ( Apache HTTP/Tomcat, IIS etc.) and running on different Operating system Windows, Linux etc.
- 3.5 The IP addresses of the network devices may be either IPv4 or IPv4/IPv6 dual stack. These devices configured with public IP addresses can be but not limited to Servers, Firewall, Routers, Appliances, Switches, Intrusion Detection device, Intrusion Prevention device etc. & services like web server, DNS, mail server, proxy etc. The IP addresses of devices having configured IPv4/IPv6 dual stack, has been treated as single IP address in the List of locations and their requirements in Annexure –III and test has to be done on both IPv4 and IPv6 IP address type. The penetrating testing shall be conducted for both IPv4 and IPv6 address to identify any configuration security flaws in the network.
- 3.6 The Penetration Testing shall be external to network and performed remotely simulating non-destructive external hacking attacks to test the current security of the network and web applications.
- 3.7 The penetration testing shall be conducted by experts with extensive testing experience so that a safe and quality penetration testing is delivered using a proven method of testing.
- 3.8 The penetration testing shall be preferably conducted during off-hours/non-peak times and mutually agreed between vendor and BHEL.
- 3.9 The penetration testing will done once in a year for all BHEL locations, Work Order placement shall be done by respective locations. The schedule of the penetration testing shall be decided by the locations and it can be any time in a year.

#### 4 Methodology

- 4.1 Vendor will perform the Remote Penetration Testing from public domain (Internet) to find out exploitable vulnerabilities in network and web applications hosted on Internet.
- 4.2 IP addresses of devices for with penetration testing is to be conducted shall be provided to the successful vendors along with Work Order by respective units.
- 4.3 Method for Penetration test will be '**Black Box, Non-Destructive & Non-privilege**' mode.
- 4.4 Vendor may run series of test conducted like information gathering from public domain, port scanning, system fingerprinting, service probing, vulnerability scanning, manual testing, password cracking, IDS/IPs testing, Router/Firewall testing etc. The tools shall be state-of-the-art latest version of tools (commercial and open source) and techniques which are used by hackers with an objective to unearth vulnerabilities and weaknesses of the IT infrastructure. These tools shall be run in such a way that, it does not affect the availability of the running systems/services of BHEL.
- 4.5 Web applications and websites hosted on Internet shall be tested for security weaknesses like cross site scripting, SQL injection, invalidated inputs etc. The industry benchmark standards like OWASP and SANS must be followed to highlight vulnerabilities that exist in web applications.



- 4.6 IPs mentioned by BHEL may be either IPv4 or IPv4/IPv6 dual stack, depending upon type of devices/services running. Vendor should be able to carry out Penetration test for both address type IPv4 and IPv4/IPv6 dual stack.
- 4.7 Vendor should be able to carry out Penetration test for all type of Operating Systems, Appliances and Applications available in BHEL Locations, which are exposed to Internet.
- 4.8 Vendor has to complete the Remote Penetration Test within stipulated time from the date of Work Order. Service period for conducting Penetration Testing will be 30 days from the date of placement of Work Order by the individual BHEL location and report shall be submitted within 15 days after completion of Penetration Testing.
- 4.9 Vendor shall sign the NDA (Non-disclosure agreement) with the respective BHEL locations on award of Work Order.
- 4.10 Each BHEL location/unit will designate a single point of contact from their location to co-ordinate the penetration testing activities with vendor and to handle any emergency situation. The contact person details shall be exchanged between BHEL location and Vendor at the time of award of Work Order from that BHEL location.

## 5 Deliverables

- 5.1 After successful completion of penetration test, vendor has to submit a detail Penetration Test Report within stipulated time period of 15 days. Report shall include the following but not limited to:
  - a. Methodology used to conduct penetration testing
  - b. Tools used and standards followed to identify the vulnerabilities.
  - c. Detailed results of the testing performed & what the results indicate, including business risk levels, in simple language for the understanding of top management
  - d. Detailed Technical Report indicating vulnerabilities and their levels of business and technical risk impacts.
  - e. Recommendations/Guidelines on types of corrective actions suggested to plug the vulnerabilities.
  - f. Additionally a demonstration of penetration (if possible) as a Proof of Concept (only to prove possibility and not to cause real damage) may be given.

## 6 Distribution of Work

- 6.1 In order to maintain service assurance, ensure time limit & provide redundancy of the vendors over the period of Rate Contract, BHEL shall appoint two vendors (L1 and a second vendor) for the work specified in the tender.
- 6.2 Distribution of work between the L1 and second vendor will be 60% & 40% respectively. Distribution of work between L1 & second vendor shall be as follows:
  - a. 60% of the work will be awarded to L1 vendor.
  - b. 40% of the work will be awarded to a second vendor, who is agreed to match the rates of L1 vendor on the basis of their order in bid competitiveness; otherwise 100% work will be awarded to L1 bidder.

Indicative allocation of distribution of work is mentioned in List of locations and their requirements Annexure-II, which may vary at the time of order.

- 6.3 In case for any reason, if one vendor gets de-panelled either from Cert-In empanelment or BHEL rate contract, the order of that vendor will be placed to the other vendor.



## **7 Tender Evaluation**

- 7.1 The evaluation will be on the basis of delivered cost i.e. "total cost to BHEL".
- 7.2 Totals/Gross Total of Price should be indicated both in words as well as in figures. If there is a difference between price quoted in words and figures or if there is any other price discrepancy, higher value(s) will be considered for evaluation and lower values will be considered for ordering.
- 7.3 Optional item, quoted if any, will not be considered in evaluation as well as during execution.

## **8 Rate Contract/Prices**

- 8.1 The Rate Contract period validity period shall be of TWO years. Period of contract shall start from the date of placement of Rate Contract LOI by BHEL Haridwar.
- 8.2 Successful vendor (s) shall enter into Rate Contract agreement with BHEL on non-judicial stamp paper of required value as per extant rules, at their own cost.
- 8.3 The work shall be conducted once in a year for all BHEL locations/units as per tender document i.e., two times (2 Work Orders) in two years contract period. All BHEL locations/units will place the Work Order for their requirements and the payment shall be done by the respective location/unit.
- 8.4 On the basis of satisfactory completion of the relevant services & on submission of Penetration Test Report, payment shall be released after technical vetting of the report by BHEL. After completion of technical vetting of report, the payment will be made through Cheque/EFT (payable at par) within 15 days of the submission of Invoices in triplicate and other necessary documents.
- 8.5 Prices shall remain firm without any variation during Rate Contract period. Service tax and government levies shall be extra as per actuals during the rate contract period.
- 8.6 The vendor shall be responsible for payment any other state/central/local govt. taxes during the rate contract period.
- 8.7 No interest whatsoever shall be payable by BHEL on any amount due to the vendor.
- 8.8 Projected requirement for each locations are as per tender document.
- 8.9 Price bid offer shall be valid for 90 days from the date of opening of technical bid.

## **9 Penalty or Delay in Task Completion**

- 9.1 For the delay in task completion( with reference to Deliverable at clause 5 above ) , penalty shall be levied at the rate of 0.5% per week subject to maximum of 10% of the total work order value placed by the individual BHEL location. However, in the event that the delay occurs on account of fault of BHEL including on account of failure of BHEL to ensure preparedness to start of activity, the period on this account will not be considered for penalty.
- 9.2 If vendor fails to complete the task within the time frame as mentioned above clause 4.8, for the first failure a warning letter shall be issued & in case of two consecutive failures, he will be de-panelled from the BHEL Rate Contract.
- 9.3 After accepting the Work Order if vendor refused to complete the task, he will be de-paneled from the BHEL Rate Contract.

## **10 Limitation of Liability**

The vendor's / Lessor's liability will be limited to the scope of this contract only



## 11 Information Security Requirements

- 11.1 BHEL has implemented Information Security Management System (ISMS) and has taken certificate for the same based on ISO 27001 standard.
- 11.2 In line with the ISMS requirements, vendor and its staff shall ensure the protection of BHEL information assets / information processing facilities at all times with respect to confidentiality, integrity and availability.
- 11.3 **Before commencement of the penetration test the successful vendors shall sign a Non-Disclosure Agreement (NDA) as per BHEL format in compliance to Information Security Management System**
- 11.4 Vendor shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings & documents, etc. belonging to the organization/Purchaser/Lessee and also of the Systems, procedures, reports, input documents, manuals, results and any other company documents discussed and/or finalized during the course of execution of the order/contract.
- 11.5 In case of any violation of the above, it will amount to non-fulfillment of terms & conditions of the contract.

## 12 Termination of Order / Lease Agreement & its Consequences

- 12.1 BHEL reserves the right to terminate the order/contract, either wholly or in part on one month prior notice or upon situations arising due to non-compliance of stipulations of the Order/contract, by the Vendor, at the risk and cost of the Vendor.
- 12.2 BHEL reserves the rights to cancel the agreement in case the services are not found to be satisfactory.
- 12.3 Vendor shall continue the performance of the order / contract under all circumstances, to the extent not cancelled
- 12.4 If the vendor is de-paneled from the CERT-In empanelment, during the contract period, he will be automatically de-paneled from the BHEL Rate Contract without serving any notice.
- 12.5 Consequences: As soon as the Work Order or Rate Contract Order is cancelled / terminated by the BHEL, no charges will be payable to vendor on cancelled portion.

## 13 Security Deposit

- 13.1 Security Deposit should be deposited by the successful vendors at BHEL Haridwar. The rate of Security Deposit will be as below based on the Tender Order value:

- Up to 10 lakhs: 10%
- Above Rs. 10 lakhs upto 50 lakhs: Rs. 1 lakh + 7.5% of amount exceeding Rs. 10 lakhs.
- Above Rs. 50 lakhs: Rs 4 lakhs + 5 % of the amount exceeding Rs. 50 lakhs

The Security Deposit should be collected before start of the work by the vendor.

- 13.2 Security Deposit may be furnished in any one of the following forms

- Cash ( as permissible under the Income Tax Act)
- Pay Order, Demand Draft in favour of BHEL
- Local cheques of scheduled banks, subject realization.



- Securities available from Post Offices such as NSC, Kisan Vikias Patras etc. ( Certificates should be held in the name of Vendor furnishing the security and duly pledged in favour of BHEL and discharged on the back).
- Bank Guarantee from Scheduled Banks/Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
- Fixed Deposit Receipt issued by Scheduled Banks/Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back

13.3 Security Deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of work and balance 50% may be recovered from the running bills. (Note: In case of small value contracts not exceeding Rs. 10 lakhs, work can be started before Security Deposit is collected. However, payment can be released only after collection/recovery of initial 50% of Security Deposit).

13.4 Security Deposit shall not carry any interest.

13.5 Security deposit shall be released to vendor on completion of Rate Contract period of 2 years.

#### **14 Patents & Trademarks**

Vendor shall at all times fully indemnify and keep indemnified the BHEL against all claims which may be made in respect of systems/ software used by the vendor for performing the scope of work specified in the tender, for infringement of any right protected by patent, registration of designs or trademarks and legality of usage of software. In the event of any such claims being made against the BHEL, BHEL will inform the vendor who shall at his own cost either settle any such dispute or conduct any litigation that may arise there from. All such claims will be settled as per Indian laws.

#### **15 Settlement of Disputes & Arbitration**

- 15.1 Except as otherwise specifically provided in the Order/Contract, all disputes concerning questions of the facts arising under the Order/Contract, shall be decided by the Purchaser, subject to written appeal by the Vendor to the Purchaser, whose decision shall be final to the parties hereto.
- 15.2 Any disputes or differences shall be to the extent possible settled amicably between the parties hereto, failing which the disputed issues shall be settled through arbitration.
- 15.3 However, the Vendor shall continue to perform the Order/Contract, pending settlement of dispute(s)
- 15.4 In all cases of disputes emanating from and in references to this contract, the matter shall be referred to the arbitration. All disputes or differences between the parties will be resolved through arbitration governed by Arbitration & Conciliation Act 1996 as amended from time to time. The venue of arbitration shall be Haridwar only.

#### **16 Jurisdiction**

All disputes or differences arising out of, under or in connection with this contract shall be subject to the exclusive jurisdiction of the courts having jurisdiction over BHEL Haridwar.



## **17 Governing Law**

This contract shall be governed in all respects by the Indian law.

## **18 Force Majeure**

Neither BHEL nor the vendor shall be responsible for delays/failures in performance resulting from acts beyond the control of either. Such acts shall include but not limited to acts of God, strikes, lockouts, riots, acts of war, epidemics, and governmental regulations superimposed after the agreement, fire, earthquakes and other such disasters.

Technical Compliance Sheet			
SN	Description	Vendor Response	
		Compliance (Y/N)	Remarks
1	Vendor is CERT-In empanelled Information security auditing organization at the time of submission of bid		
2	The penetration testing shall be block-box, Non-Destructive & Non-privilege mode		
3	The network penetration testing shall be carried out for various types of Internet facing devices/appliances/servers, Operating systems and applications for which IP addresses shall be provided to vendor		
4	The remote penetration testing shall be conducted for IPv4 and IPv4/IPv6 dual stack network devices/servers		
5	The web application security testing shall follow the latest Industry Standard guidelines like OWASP 2010, SANS etc.		
6	Latest version of state-of-art tools ( open source, commercial, freeware, propriety) and techniques shall be used to discover overall weaknesses in the network exposed to Internet		
7	Detailed technical report indicating vulnerabilities along with their level of business and technical risk impacts and recommendation on corrective action to be provided		
8	The penetration testing shall be conducted by experts with extensive testing experience so that a safe and quality penetration testing is delivered using a proven method of testing		

**List of Locations and their projected requirements**

SN	Unit/location address	Projected no. of IPs for which PT is to be conducted.	*No. of web servers for security testing of web applications	#Distribution of Work to L1 and L2 vendor (60-40%) basis
1	Corporate Office, Asiad, New Delhi	9	1	L1
2	Corporate IT Noida	13	7	L1
3	Hyderabad	16	4	L2
4	Tiruchirappalli	9	3	L2
5	Bhopal	7	3	L2
6	Hardwar	10	4	L1
7	EDN Bangalore	3	0	L1
8	Ranipet	14	1	L2
9	Jhansi	5	1	L1
10	PS-WR Nagpur	6	1	L1
11	PS-ER Kolkata	8	2	L1
12	PS-SR Chennai	7	2	L1
13	PS-NR Noida	9	1	L1
14	PS-PEM Delhi	7	1	L2
15	Industry Sector, New Delhi	6	2	L1
16	Corporate R&D, Hyderabad	6	1	L1
<b>Total</b>		<b>135</b>	<b>34</b>	

**Note:**

- 1 The no. of IPs and locations are indicative only, actual no. of locations & no. of IPs, may vary depending on the location wise requirement, at the time of placement of Work Order.
- 2 Type of devices and services may be Router/Firewall/Appliance/Web Server/Mail server/Proxy server/DNS/Web Applications etc.
- 3 The IP Address of these devices can be IPv4 or IPv4/IPv6 dual stack which will be treated as single IP address but test to be done on both IPv4 and IPv6 address type
- 4 \* No. of web servers for which web application security is to be conducted is an add-on testing, the web server count is also included in Total No. of Projected IPs for which PT is to be conducted.
- 5 # Distribution of Work for locations between L1 and second vendor is indicative only which may vary at the time of placement of Work Order

<b>Price Bid</b>				
1	<b>The comparative statement will be on Total Value in 2 years (Total of column c).</b>			
2	<b>Item wise splitting will not be done for comparison, as the Penetration Testing (PT) of network devices/servers and web applications shall be conducted in integrated way to identify the overall network vulnerability. The no. of web servers count for which web application security testing is to be conducted are also included in network devices/servers for which PT is to be done. The web application security testing is additional testing on web servers for which penetration testing is also to be done.</b>			
3	<b>Price quoted should be exclusive of Service Tax. Vendor should clearly mention all applicable taxes</b>			
4	<b>The IP Address of network devices/servers can be IPv4 or IPv4/IPv6 dual stack which will be treated as single IP address but test to be done on both IPv4 and IPv6 address type</b>			
5	<b>The Total Value in 2 years is calculated as 2 times the Quantity (column a) multiplied by Penetration charges per IP address (column b).</b>			
6	<b>All values to be quoted in Indian Rupees.</b>			
Sl. No.	Item	Quantity (No.)	Penetration Testing Charges per IP address	Total Value in 2 years
		(a)	(b)	(c)= 2 x (a) x (b)
<b>DESCRIPTION</b>				
1	Penetration Testing of network devices/server per IP address	135		
2	Add-on Web Application Security Testing of Web Servers per IP address	34		
		<b>Total Value of Item 1 &amp; 2</b>		

Note:  
Mention all applicable taxes.