



सीएसआइआर- केन्द्रीय इलेक्ट्रॉनिकी अभियांत्रिकी अनुसंधान संस्थान

CSIR-CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE

(विज्ञान तथा प्रौद्योगिकी मंत्रालय, भारत सरकार/MINISTRY OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA)

पिलानी - 333 031 (राज.) भारत PILANI - 333 031 (RAJASTHAN) INDIA

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REGISTERED POST

Tender No. 217/HCP0013/NMC/6-Pur/2018/T-45

Date: 31.07.2018

M/s.

SUB: REQUEST FOR INVITING QUOTATIONS/TENDER INDIGINEOUSLY.

Dear Sir,

Please send your quotation on e-procurement portal (<https://etenders.gov.in>) The tender will be opened on the specified date and time given below.

LAST DATE OF RECEIPT OF TENDERS: 23.08.2018 AT 2:30 P.M.

DATE OF OPENING: 24.08.2018 AT 3:30 P.M.

The goods will be supplied within 4-5 weeks from the date of our order.

S.NO.	NAME OF ARTICLE & BRIEF DESCRIPTION	Qty
1.	UTM (Unified Threat Management) with Wireless controller and 3 years OEM Support	01 No.
2.	Indoor Access Point Technical Specifications are enclosed ❖ Admin training will be provided by supplier at the time of Installation at CSIR-CEERI Centre, Naraiana, New Delhi-28 for a period of 1 day at free of cost. Note:1. Your quotation must be valid for 60 days from the date of tender opening, otherwise your quotation will not be considered at all. 2. Your quotation must be FOR, CSIR-CEERI Centre, A-93/94, Phase-1, Naraiana, New Delhi-28 including Packing, Freight and Insurance charges etc., otherwise your quotations will not be considered at all.	03 Nos.

NOTE:1. Please send your quotation on e-procurement portal well in time in accordance with the terms and conditions printed overleaf of this letter.

Yours faithfully,

STORES & PURCHASE OFFICER

TERMS & CONDITIONS

While submitting your quotation, the following terms and conditions may be taken care off-

1. The delayed/Late tenders will not be considered at all. Your quotation must be neat and clean duly signed by authorized signatories. No erasure or alteration must be appeared in the quotation.
2. **PRICES:** Your quotation must be indicated clearly whether your prices are FOR CSIR-CEERI Centre, Naraiana, New Delhi/FREE DELIVERY AT CSIR-CEERI Centre, Naraiana, New Delhi.
 - A. In case of FOR CSIR-CEERI Centre, Naraiana, New Delhi, unloading will be done by CSIR-CEERI Centre. Your prices must be inclusive of Packing, Forwarding, Freight, Insurance charges. You will be responsible for safe delivery at CSIR-CEERI Centre, Naraiana, New Delhi free of any extra charge.
 - B. The Blue Prints/Catalogue/Pamphlets/Technical Literature and Instruction Manual must be uploaded in pdf format along with your quotation.
 - C. In case of Price FOR, CSIR-CEERI Centre, Naraiana, New Delhi, Unloading charges will be borne by supplier.
3. **GST:** CSIR-CEERI is registered with Govt. of India and Govt. of Rajasthan vide GST registration No. 08AAATC2716R1ZF. As per notification No. 47/2017-Integrated Tax (Rate) dated 14th November, 2017 issued by the Ministry of Finance, Govt. of India, the rate of GST on the goods procured by CSIR-CEERI will be 5%. Kindly mention rate of GST as 5% in your quotation.
4. **DELIVERY SCHEDULE:** The successful bidders are required to supply the goods within the prescribed delivery schedule from the date of our order. Please quote your delivery schedule clearly, failing which your quotation will not be considered.
5. **MODE OF DESPATCH:** Please quote mode of Delivery/mode of dispatch through one of the following:
 - A. BY PERSONAL DELIVERY AT CSIR-CEERI FREE OF CHARGE.
 - B. BY ROAD TRANSPORT FREIGHT TO PAY OR PREPAID.
 - C. BY PASSENGER TRAIN/GOODS TRAIN FREIGHT TO COLLECT OR PREPAID.
6. **INSURANCE:** The goods will be dispatched by you duly insured against all losses from your warehouse to CSIR-CEERI Centre Warehouse. In case of FOR CSIR-CEERI Centre, Naraiana, New Delhi the insurance charges will be to your account.
7. **PAYMENT:** The payment will be made within 30 days after receipt and acceptance of goods by CSIR-CEERI by RTGS. NO ADVANCE PAYMENT WILL BE MADE.
8. **INSTALLATION AND COMMISSIONING:** In case the goods need installation and Commissioning, the same will be done by the Technical Expert of the supplier up to the satisfaction of CSIR-CEERI Centre free of charge and the same will be put under satisfactory operational condition. In case the installation/ Commissioning and performance are not found up to CSIR-CEERI Centre satisfaction the payment will not be released.
9. **PENALTY:** In case the goods are not supplied within the specified delivery period, a penalty @ 0.5% of order value per week will be charged from the supplier.
10. **Indian Agents:**
 - i) Quotation should be submitted directly by the manufacturer/supplier. In case any sole authorized distributor, dealer or authorized Indian agent submit the quotation on behalf of their Principal, sole authorized distributor, dealer or authorized Indian agent must enclose a certified copy of the agency agreement between Principal and sole authorized distributor/dealer/authorized Indian agent, in reference to CSIR letter No. 13-4(04)/15-16/S&P/Policy/Cir dated 13.09.2017, failing which their quotation will be summarily rejected. Please also enclose the manufacturer's authorization along with bid as per Annexure-G.
 - ii) In reference to CSIR letter No. 13-4(04)/15-16/S&P/Policy/Cir dated 13.09.2017, it is a compulsion for the foreign bidder to disclose the name and address of their Indian agent and representative in India and the same goes for an Indian bidder to disclose their foreign Principal or associate, failing which their quotation will be summarily rejected.
 - iii) The percentage of Indian agent's commission must be indicated clearly in the quotation which will be paid in Indian Rupees after receipt of material in good condition and satisfactory installation/commissioning and acceptance of material/equipment.
11. **GUARANTEE/WARRANTEE:** The goods must be guaranteed/warranted against all manufacturing defects for a period of 3 years from the date of its satisfactory installation/commissioning and acceptance. In case the part thereof or whole equipment/goods is found defective, the same will have to be rectified/replaced on free of charge at CSIR-CEERI Centre, Naraiana, New Delhi without laps of time. In case the goods is not repaired/replaced and deficits are not rectified and unnecessary the matter is delayed, the bank guarantee will be revoked without assigning any reason.
12. **Acceptance of order:** The acceptance of our order must be sent by successful bidder in writing within 15 days after receipt of our order.
13. All disputes arising out of this shall be referred to the sole arbitrator of CSIR-CEERI Centre, Naraiana, New Delhi /CSIR and his award shall be final and binding on both the parties to the dispute. All suits in respect of this shall be in courts of Jaipur.
14. **The Director, CSIR-CEERI reserves the right to reject lowest quotation or any quotation or all the quotations or accept any quotation or part thereof without assigning any reason.**

STORES & PURCHASE OFFICER

NOTICE INVITING TENDER

Director, CSIR-Central Electronics Engineering Research Institute, Pilani – 333 031 (Rajasthan) invites e-tenders from Indian/ Foreign Original Manufacturers or their Authorized distributors, dealers, system integrators under single bid system.

S.No.	Tender Reference	Description of Goods	Quantity
1.	217/HCP0013/NMC/6Pur/ 2018/T-45	UTM (Unified Threat Management) with Wireless controller and 3 years OEM Support	01 No.
		Indoor Access Point	03 Nos.
		Technical Specifications are enclosed	

E-Bids are invited through the electronic tendering process and Tender Document can be purchased and downloaded from the e-Tender portal of Government of India, <https://etenders.gov.in>. A copy of the Tender Document is also available on CSIR-CEERI website: www.ceeri.res.in. Please note that the submission of e-Bids will be only through the e-Tender portal <https://etenders.gov.in>. Bids will not be accepted in any other form. Further it may be noted that Bids which are duly submitted on –Tender portal shall only be considered and Bids just saved without submission will not be available to the Evaluation Committee of CSIR-CEERI.

Any Bidder willing to take part in the process of e-tendering will have to get registered in the Central Public Procurement (CPP) portal, NIC, Government of India, by logging on to the portal <https://etenders.gov.in>. Bidders are requested to go through “Bidder Manual Kit”, “System settings” and “FAQ” links available on the login page of the e-Tender portal for guidelines, procedures and system requirements. In case of any technical difficulty, bidders may contact the help desk numbers and email ids mentioned at the e-tender portal. Every Bidder will be required to obtain a Class-III Digital Signature (DSC) for submission of Bids.

Clarifications, if required may be sent through e-tendering portal only.

Stores & Purchase Officer

Technical Specifications	
UTM Device with 3 Year Support	
A	General Requirements:
1	The Firewall must be appliance based and should facilitate multi-application environment which should support current network traffic as well as future growth
2	The Firewall should belong to a family of products that attains NSS/NIST Approved Certification and attains IPv6 Ready Phase 2 & IPv6 Certification
3	The Firewall system should have provision of Web Content Filter, Application Control, Antivirus systems and Intrusion Prevention in the same solution
B	Networking & System Performance Requirements:
1	The Firewall should support a minimum of 12 x GE RJ45 & 4xGE SFP & 1xGE Management & 1 Console interfaces with auto sensing capacity
2	The platform should support the standards based Link aggregation technology (IEEE 802.3ad) to achieve higher bandwidth
3	Should support automatic ISP failover as well as ISP load sharing
4	The Firewall should support Static, Policy Base, Identity based, Multicast routing and Dynamic routing for RIP1 & 2, OSPF, OSPFv3, BGP4, RPiNg
5	The Firewall should support Static, Policy Based, and Multicast routing
6	The Firewall should support throughputs of 20 Gbps or better large packets
7	The firewall should support throughput of atleast 7Gbps of AES - IPSEC VPN and should be H/W accelerated
8	should support concurrent session atleast 1 Million and above
9	Should support new session per second atleast 100,000 or above
10	Should support and IPS throughput of 5000 Mbps with recommendation profile & atleast 2000 Mbps with production env. profiles or better with enterprise mix
C	Firewall Requirements:
1	The Firewall should support deployment modes as; "Route Mode" or "Transparent Mode" and support web proxy/ssl proxy
2	The firewall shall be able to handle VoIP traffic securely with "pinhole opening" and support SIP, SCCP, MGCP and H.323 ALGs
3	The Firewall should support Stateful inspection with optional Policy based NAT (Static OR Dynamic)
4	The Firewall should support Inbound Port Forwarding with inbound Load Balancing if servers are running in high availability (layer 4)
5	Should support IPv6 ACL to implement security Policy for IPv6 traffic
6	All internet based applications should be supported for filtering like Telnet, FTP,SMTP, HTTP, DNS, ICMP, DHCP, RPC,SNMP, BGP, IMAP, NFS etc
7	Should be able to inspect HTTP and FTP traffic when these are deployed using nonstandard port(i.e when HTTP is not using standard port TCP/80)
8	The proposed system shall support industry standards, L2TP, PPTP, IPSEC, and SSL VPN without additional cost for license or solution for VPN client
9	Firewall must have atleast 100SSL VPN client & 200 IPsec VPN client in Route mode from the day 1
D	Application control
1	Atleast 2500+ application signature must be there & it should able to understand welknown application like P2P, Voice, etc without any dependency on the ports
2	Solution should have application throughput of atleast 3400Mbps or higher

E	Threat Protection
1	Threat prevention throughput must be atleast 1000Mbps after enabling AV, Appcontrol & IPS signatures in real time scenario / Enterprise mix traffic
2	It must have zero day protection with Sandbox technology to send files over cloud to detect & prevent against latest unknow threats.
F	SSL VPN Requirements
1	The Firewall should be integrated solution and there should be no user based licensing for SSL VPN
2	SSL VPN must have atleast throughput of 800 Mbps or higher
3	The Firewall should support for two modes of SSL VPN: 1.Web mode, 2.Tunnel mode
G	Network Intrusion Detection & Prevention System Requirements:
1	Supports at least 6000+ attack signature and should be automatic updates directly over the internet for the newly discovered attacks
2	Security check updates do not require reboot of the unit
H	Web & Application Content Filtering System Requirements:
1	The proposed system should have integrated Web Content Filtering solution without external solution, devices or hardware modules
2	URL database should have atleast 250+ million sites and 70 + categories in 60+ languages
I	Data Leak Prevention Requirements:
1	Should have the ability to prevent data loss through SMTP, FTP, HTTP, HTTPS & IM and using any application
2	Should have built in pattern database and option to configure new patterns as and when required
J	Logging
1	It must integrate with Syslog/SIEM/SNMP for detail logging
L	Wireless Controller
1	The Solution must be appliance based.
2	Appliance can be dedicated WLC or integrated module in Firewall/UTM, but it should match asked all features.
3	Should operate both in "bridge mode" or "transparent mode" apart from the standard NAT mode
4	NAT , Transparent Mode should be IPv6 ready from day one
5	Should support User-Group based Authentication
6	The appliance should support wireless controller feature and support 60 nos. of Access Points from Day one.
7	It must have option to deploy AP's in Tunnel mode and Bridge mode for easy management
8	There will no VLAN or identical technology will allow to do in Switches & traffic should be controlled by Route mode or Tunnel mode deployment feature of the controller. If required to configure, bidder needs to carry out that activity.
9	The appliance should support IEEE 802.11a/b/g/n/ac standards-based wireless Access Points
10	Supports strong Authentication and Encryption Standards Include Open/ WEP64/ WEP128/ Shared, Guest Captive Portal, WPA /WPA2 802.11i Preshared key,WPA / WPA2 802.11i with Radius support
	The wireless controller support the following types of client load balancing:
1	a)Access Point Hand-off - the wireless controller signals a client to switch to another access point.
2	b)Frequency Hand-off - the wireless controller monitors the usage of 2.4GHz and 5GHz bands, and signals clients to switch to the lesser-used frequency automatically
3	Allow IP connectivity between the Controller and the APs for external VLAN routing where the Controller and the APs are on different management VLANs
4	User Authentication features:
5	AD, LDAP, RADIUS & Local user authentication
6	SSO should be done with AD user on windows system
7	2FA should be optional & must integrate with SMS/Email system

8	Should support Soft / Hard Token based two-factor Authentication for all type of users
9	The wireless controller should include the following features.
10	Wireless guest management
11	Captive portal with Email capture login
12	Wireless Mesh, Bridging Features
13	BYOD (Bring Your Own Device) Support
14	User and application control
15	Encrypted Remote Access point support
16	BYOD should be having below features
17	Detect client device Mac address, device type(such as windows device, Android device, Iphone, Ipad, blackberry, etc) and host name
18	Controller should be able to allow or deny traffic based on device type (such as windows device, Android device, Iphone, Ipad, blackberry, etc)
19	Controller should be able to block or allow websites and applications based on device type(such as windows device, Android device, Iphone, Ipad, blackberry, etc)
20	Traffic shpping must be done on the basis of per IP/Per policy/shared policy
21	Controller should be able to controll the bandwidth based on device type(such as windows device, Android device, Iphone, Ipad, blackberry, etc)
22	The wireless Controller should support the following RF Management features
23	a) Having Automatic Channel Allocation
24	b) Having Automatic Power Control
25	c) Supporting Neighbourhood scanning of RF environment to minimise neighbouring AP interference and leakage across floors.
26	d) Having Coverage Hole Detection
27	e) Providing alerts when APs are down or compromised RF environment is detected
28	f) Having Self healing - Automatic neighbouring AP power increase to fill in for coverage losses
29	The wireless Controller should support Rogue AP detection technology enabled
K	Warranty and Subscription and conditions
1	Must have 3 Year 24x7 UTM Features and Hardware warranty for controller and UTM.
2	Controller and UTM should be of same make and OEM and would be preffed in a single appliance
L	Indoor Dual radio Access Point
1	The Access Point should should support IEEE 802.11a/b/g/n/ac standards
2	Frequency of Radio 1 shall be 2.4 GHz b/g/n or 5 GHz a/n (Selectable)
3	Frequency of Radio 2 shall be 5 GHz a/n/ac
4	Should have 4 Internal Antennas
5	Should have 1 x 10/100/1000 interface
6	Should support Power over Ethernet (PoE) 802.3af
7	Radio 1 Throughput: 300Mbps
8	Radio 2 Throughput: 800Mbps
9	Support 2x2 MIMO dual stream
10	Should support L2 and L3 wireless controller discovery
11	WME Multimedia Extensions support 4 priority queues for voice, video, data and background traffic
12	Should support 14 Simultaneous SSIDs
13	Support EAP-TLS EAP-TTLS/MSCHAPv2 EAPv0/EAP-MSCHAPv2 PEAPv1/EAP-GTC EAP-SIM EAP-AKA EAP-FAST
14	Solution should have support for Captive portal for guest authentication
15	Solution should have support for RTLS integration
16	Should be centrally managed through the wireless controller & not standalone

17	Should support web-based secured management interface
18	Support Wall mounting & ceiling mount options
19	Operating Temperature 32 – 104 °F (0 – 40 °C)
20	Low Voltage Directive , RoHS complaint
21	Should have Hardware warranty of atleast 3 years from day 1
22	It should be managed by asked wireless controller & must be of same OEM for easy integration

PROFORMA FOR QUOTATION/TENDER

From

M/s. -----

Quotation No.-----
 Date :-----
 GST No. :-----
 Phone No. :-----
 Fax No. :-----

To,
 The Director
 Central Electronics Engineering Research Institute
 Pilani (Rajasthan)

Ref:- Your quotation inquiry letter No.-----dated-----

Dear Sir,

With reference to your above referred inquiry letter, we are submitting our quotation as under for the supply of material as requested by you.

S.No.	Description of materials	Qty.	Rate	Unit	Total amount

1. Delivery period
2. Validity period of quotation: 60 days from the date of tender opening.
3. All the terms and conditions as mentioned your inquiry letter are acceptable to us.

Total Ex-works	
GST	
Insurance charges	Inclusive
Freight charges	Inclusive
Installation & Commissioning charges	
Total Price F.O.R. CSIR-CEERI Centre, A-93/94, Phase-1, Naraiana, New Delhi-28	

Authorized Signatories
 For M/s _____