



Bharat Heavy Electricals Limited
Electronics Division
Mysore Road, Bangalore – 560 026

NOTICE INVITING TENDER

1. Tender Reference : BHEL/EDN/ITS/UTM/2015/01 dtd 28/10/2015
2. Name of the work : Supply of UTM Solution Software.
3. Earnest money deposit : Rs.40,000 (Rupees Forty thousand only)
5. Last date and time for the receipt of completed tender : before 13.00 Hours on 23/11/2015
6. Date and time for tender opening : At 13:30 Hours on 23/11/2015
7. Place of submission of Completed tender : To be dropped in the **IT&S (Box No. 2)**
Tender Box kept in the Reception Area at BHEL,
Electronics Division, Mysore Road, Bangalore – 560 026.

This tender document contains ...22... pages including Scope of work, Instructions to tenderers, Price bid etc. as follows.

1. Scope of Work and Instructions & Guidelines to bidders – Annexure I
2. General Terms and Condition – Annexure II
3. Commercial Terms & Conditions and Compliance Format – Annexure III
4. Technical Compliance Format – Annexure IV
5. Price Bid Format – Annexure V
6. EFT Format – Annexure VI
7. Security Deposit Format – Annexure VII

Note: The bidder shall return the duly filled in Tender Documents after affixing signature and seal on all pages.

For Bharat Heavy Electricals Ltd.,

(H.N.Raghunath)
Sr.Engineer / IT&S
Phone: 26998975



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Annexure – I

1. SCOPE OF WORK:

SL NO	SPECIFICATIONS	COMPLIANCE (YES/NO)	Evaluation Criteria (PoC/Document)
GENERAL REQUIREMENTS			
1	The solution proposed by vendor complying the specs should submit OEM - Manufacturer's Authorization Form and should be authorised Partner with certified engineers on the product quoted		Valid Support Document
2	All UTM features as Firewall, Anti Virus, Anti Spam, Web & Application filtering and IPS should be available for UTM requirement with Live & frequent update till the tenure subscribed by BHEL		Valid Support Document
3	Licensing should be for unlimited users / devices for all UTM Features		Valid Support Document
4	The proposed solution should support Load Balancing and Failover among more than 4 ISP Links (with USB port 3G/4G datacard connectivity).		Proof-of-Concept
5	The proposed solution should support integration with Windows NTLM, Active Directory, LDAP, Radius		Proof-of-Concept
6	The proposed solution should support dynamic routing like RIP1, RIP2, OSPF, BGP4.		Valid Support Document
7	The proposed solution must support Automatic Transparent Single Sign On for user authentication		Proof-of-Concept
8	The proposed solution should support DNS,DDNS, NTP, SNMP, DHCP (Server/Relay), VLANs etc.		Valid Support Document
9	The proposed solution should support user,ip and mac binding that can map username with corresponding IP and MAC addresses for security reason.		Proof-of-Concept
10	The proposed solution must support User based policy configuration for security and Internet management.		Valid Support Document
11	The proposed solution should support High Availability Active/Passive Active/Active and Redundant Hardware		Valid Support Document
HARDWARE REQUIREMENTS			
12	The proposed solution should be equipped with sufficient Memory & Flash to handle the load (Minimum 12GB RAM & 4GB Flash).		Valid Support Document
13	The Appliance should be rack mountable.		Valid Support Document
14	Logs and Reports should reside within BHEL EDN data center.If additional equipment is required, it should be included in the solution proposed.		Valid Support Document



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PERMORMANCE REQUIREMENTS		
15	The Proposed Solution should meet the following performance criteria & should mandatorily produce valid references for the same at the time of bidding:	Valid Support Document
	a. Firewall Throughput of 30,000 Mbps or Above	Valid Support Document
	b. Concurrent sessions : 14,000,000 or Above	Valid Support Document
	c. New sessions/second : 250,000 or Above	Valid Support Document
	d. IPSec VPN throughput : 7,000 Mbps or Above	Valid Support Document
	e. SSL VPN throughput : 1000 Mbps or Above	Valid Support Document
	f. Antivirus throughput : 9,000 Mbps or Above	Valid Support Document
	g. IPS throughput : 14,000 Mbps or Above	Valid Support Document
	h. UTM Throughput (Firewall, IPS, Web & App. Filtering and Anti-Virus) : 6,500 Mbps Or Lowest of declared throughput of (Firewall, IPS, Web & App. Filtering and Anti-Virus) would be considered as UTM through put	Valid Support Document
UTM FEATURES REQUIREMENTS		
16	The proposed solution should facilitate the application of UTM policies like AV/AS, IPS, Content filtering, Bandwidth Management, for firewall rule based on Username(Single/Group)/ IP address schema(Network/Ip Range/IP list)/ MAC Address (single/list/Group).	Proof-of-Concept
17	The proposed system must provide Mac Address (Single Physical Address/List/Group of Physical address) based firewall rule configuration to provide OSI Layer 2 to Layer 7 security	Valid Support Document
18	The proposed solution must support Application/Web Category-based Bandwidth Management which allows administrator to create application/web category-based bandwidth policies.	Proof-of-Concept
19	The proposed solution should support Anti-Virus scanning for SMTP,SMTPTS, POP3, IMAP, FTP, HTTP and HTTPS.	Valid Support Document
20	For POP3 and IMAP traffic, the proposed solution should strip the virus infected attachment and then notify the recipient and administrator.	Proof-of-Concept
21	The proposed solution should support spam scanning for SMTP,SMTPTS, POP3, IMAP.	Valid Support Document
22	The proposed solution must support on-appliance quarantine facility and also a personalized user-based quarantine area which allows you to release legitimate emails.	Proof-of-Concept



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23	The proposed solution should have specific Web categories that broadly classify websites. For instance, websites that reduce employee productivity, bandwidth choking sites or malicious websites.		Valid Support Document
24	The proposed solution should provide option to define different bandwidth for different schedule to each per user/per user group, per IP address/IP address group based, MAC address/List/Group in a single Firewall Rule policy and bandwidth should change as per schedule on the fly.		Valid Support Document
25	The proposed solution must be capable of identifying hidden applications running over standard ports (80, 443, 22 etc) Example : Blocking of Gmail Chat, DropBox, Google Drive & TeamViewer.		Proof-of-Concept
26	The proposed solution must be capable of blocking the following type of applications: P2P, VOIP, Games, Remote Control, Chats, Torrents etc.		Proof-of-Concept
VPN REQUIREMENTS			
27	The proposed solution should support IPSec , L2TP, PPTP and SSL VPN connections		Valid Support Document
28	The proposed solution must support automatic failover of Point to Point link (MPLS) with VPN for redundancy purpose.		Valid Support Document
LOGGING & REPORTING REQUIREMENTS			
29	The proposed solution should support logging & Reporting of Antivirus, Antispam, Content Filtering, Traffic discovery, IPS, Firewall activity on syslog server.		Valid Support Document
30	The proposed solution should provide connection-wise reports for user, source IP, destination IP, source port, destination port or protocol.		Valid Support Document
31	The proposed solution should support multiple syslog servers for remote logging.		Valid Support Document
32	The proposed solution should have customizable email alerts/automated Report scheduling/message alerts		Valid Support Document
WARRANTY, SUPPORT & CERTIFICATION REQUIREMENTS			
33	Warranty & UTM Features Subscription: 12 months		Provide Document
34	Subscription & AMC for 2nd & 3rd year (Two years) to be indicated (Not for Tender Evaluation)		Provide Document
35	OEM Web/Phone(Toll Free)/Chat Support : 8x5 (12 Months)		Valid Support Document
36	Appliance should be capable of connecting directly to IPv6 Network (With out NAT).		Valid Support Document
INSTALLATION & CONFIGURATION REQUIREMENTS			
37	Securing the Appliance with strong Passwords to device access thorough HTTP,HTTPS & SSH.		
38	DNS Configuration as per the BHEL requirement		
39	DHCP Configuration as per the BHEL requirement		
40	Enabling all the Appliance Services such as Antivirus, Antispam, Web proxy		



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41	Configuring Zone wise firewall rule per User based/Group based, Per IP address based/network based/IP address range based, MAC ID/MAC list/MAC group based		
42	Configuring Web & Application filters per User based/Ipbased/MAC ID Based		
43	Configuring Antispam for SPAM & Quarantine Digest		
44	Configuring Load balance,Auto failover in Multiple gateways.		
45	Configuring Authentication server to support Single Sign On to Integrate with active directory.		
46	System Integrator to provide onsite, remote & L1 Support and be a single point of contact		
47	Configure Alert mails from solution to notify the admin on Logs,Gateway status & BackUP.		
48	Configure Periodical Reports through emails Weekly & Monthly		
49	Monitor the device 24x7 for its uptime and send alerts in case of down		
50	Monthly Backup of Configuration & Settings		
51	Co-ordinate with OEM for L2 / L3 support		
PARTNER REQUIREMENTS			
52	The engineers who support should be OEM Certified		
53	The vendor should be a registered company from the Registrar of Companies, India		
54	The vendor should have 20 or more implementations of similar solution proposed		
Valid Support Document : Company's WhitePaper/Data sheet or Third Party/Certificate from respective Certification Authority as applicable.			



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2. INSTRUCTIONS & GUIDELINES TO BIDDERS:

2.1. DEFINITIONS:

- a) **BIDDER:** Bidder means the entity offering for this tender.
- b) **VENDOR:** The successful bidder who will be providing the software and maintaining the same through out the contract period.
- c) **OEM:** OEM means Original Equipment Manufacturer whose Software is being offered by the bidder for this tender.

2.2. BIDDER TO INFORM HIMSELF FULLY:

- a) The bids for this tender are solicited only from Original Equipment Service Provider or Authorized dealer who is offering the said services. Bidder should be single entity and not a consortium. Financing agencies are not eligible for bidding.
- b) The bidder shall closely peruse all the clauses, specifications and requirements etc., indicated in the tender documents, before quoting. Should the bidder have any doubt about the meaning of any portion of the tender specifications or find discrepancies or omissions in the specifications or if the tender documents are found to be incomplete or require clarifications on any of the technical aspects, scope of work etc. he shall at once contact the official inviting the tenders, for clarifications, before submission of the tender.
- c) Bidders are advised to study all the tender documents carefully. Any submission of tender by the bidder shall be deemed to have been done after careful study and examination of the tender documents and with the full understanding of the implications thereof.

2.3. EXPECTATIONS FROM BIDDER

Bidder is required to give a total solution & services as per specifications enclosed. The Bidder is fully responsible for the services and the total solution. In case any extra item is required for complete functioning of the equipment, the same must be quoted.



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2.4. Wherever, Service Tax is applicable

1. The Tenderers shall furnish the service Tax Registration Number in their offer
2. If the Tenderer is not having Service Tax Registration Number, he shall submit an undertaking to the effect that
 - a. in case he is awarded the contract, he shall register with Service Tax Authorities and furnish the Registration Number before commencement of work.

OR

- b. his turnover value is below the threshold limit prescribed by the Service Tax Act and in case he is awarded the contract, whenever his turnover crosses the threshold limit at any time during the execution of the contract, he shall forthwith register with Service Tax Authorities and furnish the Registration Number to BHEL. (This sub-clause is NOT applicable where the taxable turnover of the present tender is above the prescribed threshold limit).
3. Any offer not complying with the above clauses is liable to be rejected.
4. The above clauses apply even where the price quoted is “inclusive of taxes”.
5. If the Service Tax Registration Number is not furnished to BHEL before the first bill is submitted (except as provided in clause 2(b) above), the bills will not be passed (even if the price is “inclusive of taxes”).
6. In case of contracts involving multiple bills, every bill (commencing with the 2nd bill) shall be accompanied with a declaration that the contractor has discharged his tax liability on the earlier bill (i) by paying the money to the Government (along with Challan details) or (ii) by utilization of input Service Tax Credit available with him or (iii) being exempt as his turnover continues to be below the threshold limit. In the absence of such a declaration, the bill shall not be passed.
7. In case of contracts involving a single bill, the bill shall be accompanied with an undertaking that the contractor shall discharge his tax liability on that bill as per law.



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ANNEXURE – II

1. GENERAL TERMS AND CONDITIONS

1.1. SUBMISSION & OPENING OF BIDS

The offer shall be submitted in **Two** parts as follows in separate sealed envelopes.

1.2. PART-I : EMD & TECHNO-COMMERCIAL BID

This part shall consist of the following:

- a) EMD in the form of Pay Order/ Bank Draft in favour of “Bharat Heavy Electricals Limited” payable at Bangalore. In the absence of submission of EMD, the offer is liable for rejection. The Earnest Money will be refunded to the bidders after finalization of the award of work.
- b) Technical offer/ details including literature/leaflets. The bidder can offer only as per technical specifications.
- c) Authorization letters from OEMs.
- d) Technical Compliance Statement as per enclosed format only.
- e) Commercial terms compliance statement as per enclosed format only.
- f) Unpriced copy of price bid as per enclosed format only.

1.3. BHEL reserves the right to accept or reject the technical offer. Price bids of only techno-commercially short listed bidders will be opened. **The technical & commercial bid should not include prices.**

1.4. PART-II: PRICE BID

- a) Price bid containing PRICES only is to be submitted (in the enclosed Price Schedule format only). Prices shall be quoted in Indian Rupees only. Bidder has to give details of applicable Duties and Taxes.
- b) **Price Bid should not contain any technical details and/or Commercial Terms & Conditions** as the same are supposed to be contained in PART-I only so that the same can be evaluated before opening of Price Bid(s).

1.5. **MARKING ON ENVELOPE:** Part-I and Part-II offers shall be submitted in two separate envelopes with bidder’s distinctive SEAL and super-scribed as follows.

**PART – I: 1. TENDER ENQUIRY NUMBER AND ITEM DESCRIPTION
2. DUE DATE OF OPENING “TECHNO-COMMERCIAL BID”**

**PART – II: 1. TENDER ENQUIRY REF NUMBER AND ITEM DESCRIPTION
2. DUE DATE OF OPENING “PRICE BID”**



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- 1.7. Tenders should be addressed to the **Sr.Engineer (IT&S), Electronics Division, Bharat Heavy Electricals Limited, Mysore Road, Bangalore – 560 026**. The full name and address of the bidder, the name of the work and date of opening should be indicated on the cover.
- 1.8. Tenders submitted by post should be sent by “**Registered Post with Acknowledgement Due**”. These should be posted with due consideration for any delay in postal delivery. Tenders received after the due date and time of opening of tenders are liable to be rejected.
- 1.9. If in any case, the date of tender opening falls on Holiday, the tender will be opened on the next working day.

2. General Instructions and Guidelines

- 2.1. The local address of the bidder, the name of the person to whom all the correspondence are to be addressed should be indicated with telephone number and FAX / E-mail address.
- 2.2. Bidder shall fill in all the required particulars in the format provided for this purpose in the tender documents and also sign each and every page of the tender document including the drawings attached there to before submitting tender.
- 2.3. Bidder shall not increase their quoted rates, once the bidder has submitted his quotation and during execution of the entire contract period in case his tender is accepted.
- 2.4. In case, bidder finds discrepancies or omissions in the drawings / specification / details attached to the tender documents or should be in doubt as to their meaning he should at once address to the authority inviting the tender for clarifications. Every endeavor is made to avoid any error which can materially affect the basis of the tender but the successful bidder shall take upon himself to provide for the risk of any error which may be subsequently discovered and shall make no subsequent claim on account thereof.
- 2.5. In the event of tender being submitted by a firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of Attorney on behalf of the firm concerned.
- 2.6. If after opening of tenders, a bidder revokes his tender or increases his earlier quoted rates or after acceptance of his tender does not commence the work in accordance



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with the contract/order, the Earnest Money deposited by him will be forfeited and acceptance of his tender withdrawn.

2.7. Tenders are liable for rejection, If tender is:

- a) conditional and unsigned
- b) containing absurd rates and amounts
- c) incomplete or otherwise considered defective
- d) not in accordance with the tender conditions.
- e) not submitted in the prescribed forms.
- f) received after due date and time (late offer).

2.8. If the bidder deliberately gives wrong information in his tender, BHEL reserve the right to reject such tenders at any stage. Further the bidder will be liable for any damage caused.

2.9. Words imparting the singular number shall also be deemed to include the plural number and vice-versa where the context so requires.

2.10. No correspondence shall be entertained from the bidders after the opening of Price Bid(s).

2.11. Unsolicited revised Price Bids shall not be entertained at any stage of the tendering process and will lead to automatic disqualification of the party's bid.

3. RATES

3.1. Rates to be quoted are net F.O.R. destination inclusive of freight, handling and packing charges, transit insurance, installation.

3.2. Rates are to be quoted as per Price Bid Format only providing details of prevailing rates of taxes and duties. Bidders, in their own interest, are requested to check up the different tax tariffs. After opening of Price Bid, no request for any change in rates/tariff due to above will be entertained.

3.3. Unit rates should be quoted in figures as well as in words in Indian Currency only, i.e. Rupees and Paise with reference to each model.

3.4. In quoting their rates, the bidders are advised to take into account all factors including any fluctuations in market rates. No claim for enhanced rates will be entertained on this account after acceptance of the tender or during the currency of the contract.



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4. TENDER EVALUATION

4.1. Stage-I: Evaluation of Technical & Commercial Bid

- a) Technical and commercial bid of the bidder shall be evaluated for acceptability of Technical offer, technical suitability and acceptance of technical and commercial terms.
- b) During the Technical Evaluation of the bid, clarification and queries requested by BHEL shall be responded to within the reasonable time in order to avoid delay in evaluation of technical bid. Failure to do so may result in rejection of the bid.

4.2. Stage –II: Evaluation of the Price Bid:

- a) Technically cleared offers will be considered for price evaluation.
- b) Evaluation of offer will be based on L1 of Net total value with applicable taxes.
- c) Applicable % of taxes& duties should be clearly indicated in price bid format.
- d) *The contract cannot be split and will be awarded to a single party for the total scope, based on the above evaluation.*
- e) Discrepancy in Words & Figures - quoted in price bid
 - 4.2.e.1. If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
 - 4.2.e.2. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - 4.2.e.3. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (4.2.e.1) and (4.2.e.2) above.
 - 4.2.e.4. If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the



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purchaser, the bid is liable to be ignored.

5. ETHICAL STANDARD:

- 5.1. Bidders are expected to observe the highest standard of ethics during the procurement and execution of this contract. In pursuit of this policy, BHEL will reject a proposal for award if it determines that the vendor being considered for award has engaged in corrupt or fraudulent practices in competing for the contract. For the purposes of this provision, the terms set forth below are defined as follows: a) “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action in the procurement process or in contract execution; and b) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process including collusive practices designed to establish bid prices at artificial, non-competitive levels to deprive the benefits of competition to BHEL. By signing the bid forwarding letter, the bidder represents that for the software it supplies, it is the owner of the intellectual property rights. Willful misrepresentation of these facts shall be considered a fraudulent practice without prejudice to other remedies that BHEL take.



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ANNEXURE – III

1. COMMERCIAL TERMS & CONDITIONS

1.1. ORDER ACKNOWLEDGMENT

Letter of acceptance of the Order / Contract is to be submitted within one week.

1.2. VALIDITY OF OFFER :

The offer should be valid for 3 months from the date of opening of technical bid.

1.3. DELIVERY & IMPLEMENTATION

- a) The vendor shall be responsible for timely delivery, installation and commissioning of complete solution given in the scope of service at BHEL's premises.
- b) Delivery period shall start from the date of placement of firm order.
- c) Delivery Period: **2 week from the date of order/ LOI.**
- d) Implementation Period: **2 weeks from date of delivery.**

1.4. PENALTY FOR LATE DELIVERY

For the delay in delivery, penalty shall be levied at the rate of 0.5% per week subject to maximum of 5% of the total value of the PO not delivered in time as per delivery schedule.

1.5. PAYMENT TERM

- a. **Software & Implementation charges :** Full payment will be made after successful installation of the software.

An installation certificate will be issued by BHEL after successful installation of the software. The contract will commence from the date of installation. Payment will be released after submission of verified invoices and on certification by BHEL.

Payment will be through Electronic Fund Transfer (EFT) only. Details regarding bank account shall be provided in BHEL's standard format. The EFT or Pay link Direct Credit Form is enclosed. Bidder needs to fill the details as per the EFT or Pay link Direct Credit Form and attach a copy of Cancelled Cheque with it.

1.6. CONFIDENTIALITY

Vendor/Lessor shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings & documents, etc. belonging to the Purchaser/Lessee and also of the Equipment, procedures, reports, input documents, manuals, results and any other company documents discussed and/or finalized during the course of execution of the order/contract. A third party non-disclosure agreement



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has to be submitted by the Vendor as per the following sample format.

1.7. FORCE MAJEURE

Vendor/Lessor shall not be responsible for delay in delivery resulting from acts/events beyond his control provided notice of the happening of any such act/event is given by the Vendor/Lessor to the Purchaser/Lessee within 15 days from the date of its occurrence. Such acts/events shall include but not be limited to acts of God, war, floods, earthquakes, strikes, lockouts, epidemics, riots, fire or Governmental regulations superimposed after the date of order/contract.

1.8. ARBITRATION:

All disputes or differences whatsoever which may arise at any time during execution of the Contract shall be mutually settled by BHEL and Vendor as per provision of the Contract. However, in the event such disputes cannot be settled mutually, such disputes shall be settled as per the Arbitration and reconciliation Act, 1996 of the Govt. of India and its subsequent amendments. In case of disputes with the Central PSUs, the same shall be settled at Bangalore as per the Guidelines of the Govt. of India. However, during the period such disputes are settled either by mutual discussions between the parties or by legal means, Vendor shall continue to do the work as per terms & conditions of Contract.

1.9. SUB-CONTRACTING

Order/contract or any part thereof shall not be sub-contracted, assigned or otherwise transferred without prior written consent of the Purchaser/ Lessee which will not be unreasonably withheld

1.10. LIMITATION OF LIABILITY

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

1.11. LOCAL PRESENCE:

The Bidder should have local presence in Bangalore with office having supporting staff for servicing and maintenance of the equipment. In case the bidder doesn't have an office in Bangalore, an undertaking for opening of office having supporting staff for servicing and maintenance of the equipment has to be provided along with the offer.



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1.12.COMMERCIAL TERMS COMPLIANCE STATEMENT

S No	Description	Agreed /	Remarks if any
1.26.1	Scope of Work: Whether the bidder has understood the scope work and indicated in the tender (If there is any clarification required, the same may be got cleared from the Executive in charge before submitting the offer).		
1.26.2	Validity of the Offer: Whether the bidder agrees to that offer should be valid for 3 months from the date of opening of technical bid.		
1.26.5	Earnest Money Deposit: Whether the bidder has agreed to submit EMD as per terms and conditions and submitted along with Technical Bid.		
1.26.6	Delivery & Installation: Whether the bidder has agreed to deliver and install equipment at BHEL as per clause, sub clauses of 1.3 of Annexure -III.		
1.26.7	Penalty for Late Delivery: Whether the bidder agrees for the penalty by BHEL in case of late delivery as per clause 1.4 of Annexure –III.		
1.26.8	Payment Term: Whether the Bidder/Lessor agrees for Payment terms as per clause 1.5 of Annexure- III.		
1.26.10	Confidentiality: Whether Bidder/Lessor has agreed to maintain confidentiality as per Clause 1.7 of Annexure –III. Bidder shall execute a third party non-disclosure agreement as per the sample format, in case of award of order.		
1.26.19	Sub-Contracting: Whether the Bidder/Lessor has agreed that the order/contract or any part thereof shall not be sub- contracted, assigned or otherwise transferred without prior written consent of the Purchaser/ Lessee as per clause 1.9 of Annexure - III.		
1.26.22	Limitation of Liability : Whether the Bidder/ Lessor has agreed for Limitation of Liability term as per clause 1.10 of Annexure- III.		



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Annexure - IV
TECHNICAL COMPLIANCE

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GENERAL REQUIREMENTS			
1	The solution proposed by vendor complying the specs should submit OEM - Manufacturer's Authorization Form and should be authorised Partner with certified engineers on the product quoted		Valid Support Document
2	All UTM features as Firewall, Anti-Virus, Anti-Spam, Web & Application filtering and IPS should be available for UTM requirement with Live & frequent update till the tenure subscribed by BHEL		Valid Support Document
3	Licensing should be for unlimited users / devices for all UTM Features		Valid Support Document
4	The proposed solution should support Load Balancing and Failover among more than 4 ISP Links (with USB port 3G/4G datacard connectivity).		Proof-of-Concept
5	The proposed solution should support integration with Windows NTLM, Active Directory, LDAP, Radius		Proof-of-Concept
6	The proposed solution should support dynamic routing like RIP1, RIP2, OSPF, BGP4.		Valid Support Document
7	The proposed solution must support Automatic Transparent Single Sign On for user authentication		Proof-of-Concept
8	The proposed solution should support DNS,DDNS, NTP, SNMP, DHCP (Server/Relay), VLANs etc.		Valid Support Document
9	The proposed solution should support user,ip and mac binding that can map username with corresponding IP and MAC addresses for security reason.		Proof-of-Concept
10	The proposed solution must support User based policy configuration for security and Internet management.		Valid Support Document
11	The proposed solution should support High Availability Active/Passive Active/Active and Redundant Hardware		Valid Support Document
HARDWARE REQUIREMENTS			
12	The proposed solution should be equipped with sufficient Memory & Flash to handle the load (Minimum 12GB RAM & 4GB Flash).		Valid Support Document
13	The Appliance should be rack mountable.		Valid Support Document
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	a. Firewall Throughput of 30,000 Mbps or Above	Valid Support Document
	b. Concurrent sessions : 14,000,000 or Above	Valid Support Document
	c. New sessions/second : 250,000 or Above	Valid Support Document
	d. IPSec VPN throughput : 7,000 Mbps or Above	Valid Support Document
	e. SSL VPN throughput : 1000 Mbps or Above	Valid Support Document
	f. Antivirus throughput : 9,000 Mbps or Above	Valid Support Document
	g. IPS throughput : 14,000 Mbps or Above	Valid Support Document
	h. UTM Throughput (Firewall, IPS, Web & App. Filtering and Anti-Virus) : 6,500 Mbps Or Lowest of declared throughput of (Firewall, IPS, Web & App. Filtering and Anti-Virus) would be considered as UTM through put	Valid Support Document
UTM FEATURES REQUIREMENTS		
16	The proposed solution should facilitate the application of UTM policies like AV/AS, IPS, Content filtering, Bandwidth Management, for firewall rule based on Username(Single/Group)/ IP address schema(Network/Ip Range/IP list)/ MAC Address (single/list/Group).	Proof-of-Concept
17	The proposed system must provide Mac Address (Single Physical Address/List/Group of Physical address) based firewall rule configuration to provide OSI Layer 2 to Layer 7 security	Valid Support Document
18	The proposed solution must support Application/Web Category-based Bandwidth Management which allows administrator to create application/web category-based bandwidth policies.	Proof-of-Concept
19	The proposed solution should support Anti-Virus scanning for SMTP,SMTPS, POP3, IMAP, FTP, HTTP and HTTPS.	Valid Support Document
20	For POP3 and IMAP traffic, the proposed solution should strip the virus infected attachment and then notify the recipient and administrator.	Proof-of-Concept
21	The proposed solution should support spam scanning for SMTP,SMTPS, POP3, IMAP.	Valid Support Document
22	The proposed solution must support on-appliance quarantine facility and also a personalized user-based quarantine area which allows you to release legitimate emails.	Proof-of-Concept



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23	The proposed solution should have specific Web categories that broadly classify websites. For instance, websites that reduce employee productivity, bandwidth choking sites or malicious websites.		Valid Support Document
24	The proposed solution should provide option to define different bandwidth for different schedule to each per user/per user group, per IP address/IP address group based, MAC address/List/Group in a single Firewall Rule policy and bandwidth should change as per schedule on the fly.		Valid Support Document
25	The proposed solution must be capable of identifying hidden applications running over standard ports (80, 443, 22 etc) Example : Blocking of Gmail Chat, DropBox, Google Drive & TeamViewer.		Proof-of-Concept
26	The proposed solution must be capable of blocking the following type of applications: P2P, VOIP, Games, Remote Control, Chats, Torrents etc.		Proof-of-Concept
VPN REQUIREMENTS			
27	The proposed solution should support IPSec , L2TP, PPTP and SSL VPN connections		Valid Support Document
28	The proposed solution must support automatic failover of Point to Point link (MPLS) with VPN for redundancy purpose.		Valid Support Document
LOGGING & REPORTING REQUIREMENTS			
29	The proposed solution should support logging & Reporting of Antivirus, Antispam, Content Filtering, Traffic discovery, IPS, Firewall activity on syslog server.		Valid Support Document
30	The proposed solution should provide connection-wise reports for user, source IP, destination IP, source port, destination port or protocol.		Valid Support Document
31	The proposed solution should support multiple syslog servers for remote logging.		Valid Support Document
32	The proposed solution should have customizable email alerts/automated Report scheduling/message alerts		Valid Support Document
WARRANTY, SUPPORT & CERTIFICATION REQUIREMENTS			
33	Warranty & UTM Features Subscription: 12 months		Provide Document
34	Subscription & AMC for 2nd & 3rd year (Two years) to be indicated (Not for Tender Evaluation)		Provide Document
35	OEM Web/Phone(Toll Free)/Chat Support : 8x5 (12 Months)		Valid Support Document
36	Appliance should be capable of connecting directly to IPv6 Network (With out NAT).		Valid Support Document
INSTALLATION & CONFIGURATION REQUIREMENTS			
37	Securing the Appliance with strong Passwords to device access thorough HTTP,HTTPS & SSH.		
38	DNS Configuration as per the BHEL requirement		
39	DHCP Configuration as per the BHEL requirement		
40	Enabling all the Appliance Services such as Antivirus, Antispam, Web proxy		



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41	Configuring Zone wise firewall rule per User based/Group based, Per IP address based/network based/IP address range based, MAC ID/MAC list/MAC group based		
42	Configuring Web & Application filters per User based/Ipbased/MAC ID Based		
43	Configuring Antispam for SPAM & Quarantine Digest		
44	Configuring Load balance,Auto failover in Multiple gateways.		
45	Configuring Authentication server to support Single Sign On to Integrate with active directory.		
46	System Integrator to provide onsite, remote & L1 Support and be a single point of contact		
47	Configure Alert mails from solution to notify the admin on Logs,Gateway status & BackUP.		
48	Configure Periodical Reports through emails Weekly & Monthly		
49	Monitor the device 24x7 for its uptime and send alerts in case of down		
50	Monthly Backup of Configuration & Settings		
51	Co-ordinate with OEM for L2 / L3 support		
PARTNER REQUIREMENTS			
52	The engineers who support should be OEM Certified		
53	The vendor should be a registered company from the Registrar of Companies, India		
54	The vendor should have 20 or more implementations of similar solution proposed		
Valid Support Document : Company's WhitePaper/Data sheet or Third Party/Certificate from respective Certification Authority as applicable.			



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ANNEXURE – V
PRICE BID FORMAT

	Annual Charges Rs.(in figure)	Value Rs.(in words)
Software Charges		
Applicable Taxes:		

	Rs.(in figure)	Value Rs.(in words)
Implementation Charges (One-time)		
Applicable Taxes:		

	Annual Charges Rs.(in figure)	Value Rs.(in words)
On-Site Resource (AMC)		
Applicable Taxes:		



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Annexure - VI

**Electronic Funds Transfer (EFT) OR
 Paylink Direct Credit Form**

Please Fill up the form in **CAPITAL LETTERS** only.

TYPE OF REQUEST(Tick one): _____ CREATE _____ CHANGE

BHEL Vendor / Supplier Code:	
Company Name :	
Permanent Account Number(PAN):	
Address	

City: _____	PINCODE _____	STATE _____
-------------	---------------	-------------

Contact Person(s)	
Telephone No:	
Fax No:	
e-mail id:	

1 Bank Name:	
2 Bank Address:	
3 Bank Telephone No:	
4 Bank Account No:	
5 Account Type: Savings/Cash Credit	
6 9 Digit Code Number of Bank and branch appearing on MICR cheque issued by Bank	
7 Bank swift Code(applicable for EFT only)	
8 Bank IFSC code(applicable for RTGS)	
9 Bank IFSC code(applicable for NEFT)	

- A I hereby certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorise BHEL, EDN, Bangalore to electronically deposit payments to the designated bank account.
- B If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.
- C This authority remains in full force until BHEL, EDN, Bangalore receives written notification requesting a change or cancellation.
- D I have read the contents of the covering letter and agree to discharge the responsibility expected of me as a participant under ECS / EFT.

Date:

Authorised Signatory:
 Designation:
 Company Seal

Telephone NO. with STD Code

Bank Certificate

We certify that _____ has an Account No _____ with us and we confirm that the bank details given above are correct as per our records.

Date: _____
 Place: _____ (.....) Signature

Please return completed form along with a blank cancelled cheque or photocopy thereof to:
 Bharath Heavy Electricals Ltd,
 Attn:
 Electronics Division, Mysore Road,
 BANGALORE - 560 026
 In case of any Query, please call : 080-26998xxx / 2674xxxx or fax no. 080-2674xxxx



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Annexure - VII

Security Deposit

1. The rate of Security Deposit will be as below:

<u>Value of the order</u>	<u>Rate</u>
Upto Rs. 10 lakhs	10%
Above Rs. 10 lakhs upto Rs.50 lakhs	Rs.1 lakh + 7.5% of the 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 contractor.

2. Security Deposit may be furnished in any one of the following forms

- i) Cash (as permissible under the Income Tax Act)
- ii) Pay Order, Demand Draft in favour of BHEL.
- iii) Local cheques of scheduled banks, subject to realization.
- iv) Securities available from Post Offices such as National Savings Certificates, Kisan Vikas Patras etc. (Certificates should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).
- v) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
- vi) 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.
- vii) 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 the work and the balance 50% may be recovered from the running bills.
- viii) EMD of the successful tenderer shall be converted and adjusted against the security deposit.
- ix) The security deposit shall not carry any interest.

NOTE: Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

Security deposit shall not be refunded to the contractor except in accordance with the terms of the contract.