

Bid Document

| Bid Details | |
|--|---|
| Bid End Date/Time | 24-07-2020 20:00:00 |
| Bid Opening Date/Time | 24-07-2020 20:30:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 30 (Days) |
| Ministry/State Name | Ministry Of Power |
| Department Name | Na |
| Organisation Name | Ntpc Limited |
| Office Name | Coal Mining Hq |
| Total Quantity | 1 |
| Item Category | Firewall - NGFW |
| MSE Exemption for Years of Experience and Turnover | No |
| Startup Exemption for Years of Experience and Turnover | No |
| Document required from seller | Certificate (Requested in ATC), OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| Bid to RA enabled | No |
| Inspection Required | No |

EMD Detail

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| Required | No |
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ePBG Detail

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| Required | No |
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Splitting

Bid splitting not applied.

Firewall - NGFW (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---------------|---|--|---|
| Specification | Type | NGFW | NGFW Or higher |
| | Form Factor (RU) | 1 | 1 |
| | Features | Layer 3 - Layer 4,NAT,VPN,Application Visibility and Control (AVC),Next Generation Intrusion Prevention System (IPS) | Layer 3 - Layer 4, NAT, VPN, Application Visibility and Control (AVC), Next Generation Intrusion Prevention System (IPS) |
| | Traffic handled | TCP,UDP,HTTP/TCP,TCP /UDP | * |
| | Packet Size (KB) | 64 | * |
| | Throughput with all features enabled(Under Test Condition) (Mbps) | 300 | 100, 125, 200, 250, 300, 450, 650, 800, 850, 900, 1000, 1100, 1500, 1750, 1800, 2000, 2200, 2300, 3000, 3500, 4000, 4750, 5000, 6000, 7000, 8500, 9000, 10000, 11000, 12000, 13000, 15000, 19000, 20000, 22000, 25000, 26000, 27000, 29000, 30000, 32000, 34000, 35000, 39000, 40000, 42000, 43000, 44000, 45000, 48000, 50000, 52000, 54000, 55000, 60000, 64000, 69000, 70000, 75000, 80000, 95000, 120000, 130000, 132000, 148000, 153000, 168000, 234000, 260000, 285000, 570000, 1200000 Or higher |
| | Throughput (Real World/Prod Performance)(Under Test Condition) (Mbps) | 300 | 100, 125, 200, 250, 300, 450, 650, 750, 800, 850, 1000, 1100, 1500, 1700, 1750, 1800, 2000, 2200, 2300, 2600, 3000, 4600, 4700, 4750, |

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| | | 5000, 6000, 7000, 8500, 9000, 9216, 10000, 11000, 12000, 13000, 15000, 19000, 20000, 21000, 22000, 23000, 25000, 26000, 27000, 29000, 30000, 32000, 33500, 34000, 35000, 39000, 40000, 42000, 43000, 45000, 48000, 50000, 53000, 54000, 55000, 60000, 64000, 65000, 69000, 70000, 75000, 120000, 130000, 132000, 135000, 148000, 153000, 168000, 234000, 260000, 320000 Or higher |
| Concurrent Session/Concurrent Connection | 1.2M | 1M, 1.2M, 1.5M, 2M, 3M, 4M, 5M, 8M, 9M, 10M, 15M, 20M, 25M, 30M, 32M, 35M, 39.5M, 40M, 55M, 60M, 63M, 64M Or higher |
| New session/Connection per second | 27K | 24K, 27K, 40K, 50K, 57K, 64K, 68K, 75K, 84K, 118K, 120K, 130K, 150K, 160K, 172K, 175K, 185K, 200K, 250K, 263K, 265K, 284K, 295K, 300K, 350K, 380K, 390K, 450K, 490K, 500K, 800K, 848K, 850K, 900K, 1.1M, 1.75M, 3.5M, 7.5M, 225K, 425K Or higher |
| Type of Interface Supported Multiselect | GE Copper | * |
| Number of GE Copper interface | 12 | * |
| Number of 10G SFP+ interface | 0 | * |
| Number of QSFP+ 40 G interface | 0 | * |
| Number of GE Small Form-Factor Pluggable (SFP) interface | 2 | * |
| Number of QSFP28 100 G interface | 0 | * |
| Number of col /WAN Ports | 4 | * |

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| Number of Ipsec VPN Peers supported (Site to Site) | 200 | * |
| Number of Ipsec VPN Peers supported (Client to Site) | 2500 | * |
| Number of SSL VPN Peers supported (Client to Site) | 200 | * |
| Type of Storage Disk | SSD | * |
| Storage Capacity (GB) | 120 | * |
| Power Supplies | Single | * |
| Hot Swappable Power Supply | No | * |
| Redundant Fan | No | * |
| Hot Swappable (Redundant Fan) | No | * |
| Type of Processor | ASIC | * |
| High Availability Support | Yes | * |
| If Yes, High Availability from day 1 | NA | active-active, active-passive, NA Or higher |
| Interface Expansion slots supported | 0 | * |
| Firewall Policies - License | Yes | * |
| Details of the Firewall Policies for the Firewall provided with the License | Web Security Essentials / URL Filtering,IPS License,Application Visibility License,APT (Advance Persistent Threat) License (Anti Malware Protection , C& C attacks, Geo IP Protection, Zero Day Threat Protection),Gateway Anti virus,Gateway Anti spam | * |
| NGIPS Signature supported | 10000 | * |
| Security Intelligence | IP,Domain | * |
| Certification | Common Criteria /NDPP/NSS | * |
| Minimum Operating Temperature (Degree C) | 0 | * |

| | | |
|--|-----|----------------|
| Maximum Operating Temperature (Degree C) | 40 | * |
| Minimum Operating Humidity (%RH) | 10 | * |
| Maximum Operating Humidity (%RH) | 75 | * |
| IPv6 Ready from day 1 | Yes | * |
| On Site OEM Warranty (Year) | 3 | 3, 5 Or higher |

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address | Quantity | Delivery Days |
|-------|-----------------------------|--|----------|---------------|
| 1 | Pranav Kumar | 496111,Talaipalli Coal Mining Projects, Lailunga Road, Gharghoda, Raigarh Chhattisgarh | 1 | 30 |

Bid Specific Additional Terms and Conditions

1. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

2. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

(i) Inhibit the desires and designed function of the equipment.

(ii) Cause physical damage to the user or equipment during the exploitation.

(iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

3. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this

regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.

4. Preference to Make In India products (For bids less than 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
5. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 15 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
6. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---