



Tel: +92-51-9250286
Fax: +92-51-9250368

No. I&P/Upgradation/Network/25-26
Government of Pakistan
Ministry of Defence
PAKISTAN METEOROLOGICAL DEPARTMENT
(Indent and Purchase Section)
Sector H-8/2, Post Box No. 1214, **Islamabad, Pakistan**
URL: <http://www.pmd.gov.pk/>

PRE-QUALIFICATION NOTICE

Pakistan Meteorological Department invites the applications for pre-qualification of firms registered with sales tax/ income tax departments and are on Active Tax Payer List (ATL) of FBR for the following services during the financial year 2025-26 under PPRA rules detail is as under.

Sr. No.	Name of Work
01	Network Infrastructure Upgradation at Pakistan Meteorological Department (PMD)

Schedule for collection, submission and opening of proposals is as under:

Collection and submission of documents (free of cost through the concerned website)	Till 04 th of September, 2025 by 10.30 Hrs. through PPRA EPADS.
Time and place of opening of proposals	On 04 th of September, 2025 by 11.00 Hrs. at PMD Headquarters, H-8/2 Islamabad.

The bid received within stipulated date and time, will be opened by the committee on the same day (as mentioned above), in the presence of the bidders or their authorized representatives.

The procuring agency reserves the right to accept or reject any or all proposal(s) in accordance with rule 33 of PPRA Rules 2004 (as amended time to time)

Note: All Firms are directed to quote their Bids online through PPRA E-PADS as well as original Bids must be submitted in hard forms to I&P Section, PMD Headquarters office, Islamabad

Muhammad Hussam Khan
Deputy Chief Admin Officer
Pakistan Meteorological Department
H-8/2, Islamabad
Ph. 051-9250286

Terms of References (TORs) for Pre-Qualification

of

NETWORK INFRASTRUCTURE UPGRADATION AT PAKISTAN METEOROLOGICAL DEPARTMENT (PMD)

1. Introduction

Pakistan Meteorological Department (PMD) invites proposals from qualified and experienced Service Providers/Vendors/IT Companies/Government/Semi Government Organizations for the complete solution of its network infrastructure. The current network is outdated and a modern, secure, and high-performance solution is required to enhance connectivity, security, and efficiency across all PMD offices and data centers.

2. Objective

The objective of this Pre-Qualification is to identify vendors capable of providing a comprehensive and scalable network solution, ensuring seamless connectivity, high availability, cyber security, and ease of monitoring/management.

3. Scope of Services:

The services include the design, supply, installation, configuration, and commissioning of network infrastructure, covering:

- **Firewall and Security Solutions:**

- High availability redundant next-generation firewall hardware for PMD Headquarters (HQ) in Islamabad.
- Firewall capacity to serve at least 1000 intranet users with inline deep packet inspection (DPI). Advanced threat protection system from malware, vulnerability along with anti-spyware and HDR protection.
- Firewall to support secure network segmentation. Provisioning of multiple internet connections along with gateway load balancing.
- Sufficient throughput to support at least 20000 concurrent web application users.
- Firewalls or suitable routing solutions for five (5) regional offices, supporting 50-150 intranet users per site. Complete network infrastructure implementation is required at each site.
- All regional offices will access the applications hosted on HQ office servers over intranet.
- Solution provider to make sure all the existing firewall configurations are seamlessly available and no component of the existing system be missed.
- Five years replacement and service warranty for firewall, managed and wireless switches.

- **Network Infrastructure:**

- Installation of manageable access switch, 48 ports, in each building and wireless access points in each floor of the buildings of the PMD Headquarters office through 10g fiber uplinks.
- Deployment of Ethernet access switches across five regional offices in all the buildings with each supporting 48 ports through 10g fiber uplinks.
- Deployment of wireless access points across five regional offices in all the floors of each building, each supporting at least 50 users.
- Uninterrupted power supply for all the firewalls, Ethernet and wireless access points.
- Seamless integration of regional offices with the headquarters to ensure uninterrupted access to centralized services and applications. A hybrid solution is preferred supporting MPLS and Public VPN.
- Outdoor access points coverage in all the regional and HQ offices to cover radius of 200 meters, each supporting at least 100 users.

- **Monitoring and Management:**

- An interactive centralized network monitoring system for issue detection and troubleshooting in firewalls and all related devices in HQ and regional offices, with provision of integration with all security solutions.
- Dashboard-based real-time network analytics and reporting.
- All relevant paraphernalia for the visualizations of dashboards.

- **Software and Licensing:**

- All necessary software licenses to be provided with a validity of five (5) years.

- **Implementation & Training:**

- The PMD IT/ Engineering team will be actively engaged in installation and configuration and providing any details regarding layout of regional and headquarter office.
- Vendor to provide necessary OEM training for PMD IT/ Engineering team on installation, troubleshooting, and network management.
- All the relevant details/Survey of the existing system can be obtained/discussed with PMD IT team.

- **Assessment & Documentation:**

- Vendor to thoroughly assess the existing network and provide a detailed implementation plan.
- Implementation should ensure all existing network services and configurations are replicated with additional enhancements.
- No disruption or loss of existing functionality during migration.
- Provide complete documentation, including network diagrams and an implementation timeline.

- **Support & Service Agreement:**

- Two-year service agreement for post-installation support, renewable based on performance.
- Service provider to ensure minimal downtime during network transition.
- Technical documentations with all the relevant maps and micro details.

4. Evaluation Criteria Interested vendors must meet the following criteria:

- Proven experience in delivering large-scale network infrastructure solutions (at least 5 solutions of same scale).
- Availability of Manufacturer Authorization Letter (MAL) is an added advantage.
- Certified partnerships with leading network security and hardware manufacturers (OEM).
- Capability to provide end-to-end implementation and post-installation support.
- Experience in implementing enterprise-grade firewalls and high-availability solutions (at least 5 years).
- Strong track record in network monitoring and troubleshooting solutions.
- Service providers may be verified with PEC work related codes along with valid status
- Firewall certification
- Presentation/ understanding to the solution of the task.

5. Submission of Bid Vendors are requested to submit their bids, including:

- Company profile and relevant experience.
- Proposed technical solution meeting PMD's requirements.
- Project implementation methodology and timeline.
- Details of service and support commitments.
- Reference projects of similar scope and complexity.
- Any additional value-added features or recommendations.

6. Last Date of Bid Opening

Bids as per the TORs are required by 04-09-2025 till 10:30 hrs PST. Same shall be opened in front of concerned representatives on the same day at 1100 hrs.