



## बी.पी. कोइराला स्वास्थ्य बिज्ञान प्रतिष्ठान, धरानको

### कोटेशन माग गरिएको सुचना

सुचना प्रकाशित मिति: २०८०/०६/०८

यस प्रतिष्ठानलाई आवश्यक तपशिलमा उल्लेखित विवरण बमोजिमको Network Consultant Service कोटेशनको माध्यमबाट नियुक्ति गर्नुपर्ने भएकोले इजाजत प्राप्त प्रतिष्ठानमा सुचिकृत फर्म, संस्था, कम्पनीबाट अद्यावधिक फर्म दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व.२०७८/०७९ को कर चुक्ताको प्रमाणपत्र प्रतिहरु संलग्न गरी यो सुचना प्रकाशित मितिले ७ दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ। माग गरिएको कोटेशन तोकिएको म्यादभित्र प्रतिष्ठानको दर्ता चलानी फाँटमा खामबन्दि दर्ता गर्नुहुन वा [quotation.procurement@bpkihs.edu](mailto:quotation.procurement@bpkihs.edu) मा email मार्फत पेश गर्नुपर्नेछ।

#### **Specification**

##### **1. Objectives:**

This assignment aims to fulfill the following objectives.

1. Perform a need analysis of both wired and wireless network equipment and supporting IT systems within the premises of BPKIHS with an aim to fulfill seamless and secured Internet/Intranet access as per the specific requirement with world-class Quality of Service (QoS) for the management, faculty, students, and visitors.
2. Preparation of Bill of Quantity (BoQ) upon completion of need and requirement assessment with the latest devices/equipment, Software, and services.
3. Oversee network and systems design, procurement, installation, commissioning, and training (of BPKIHS Computer Management Section Employees) to manage and operate the newly implemented IT Systems and Wired/Wireless Network as per the approved network and systems design.

##### **2. Scope of Work:**

The consulting firm shall perform the following activities to meet the above-mentioned objectives:

###### *i. Survey:*

The consulting firm shall carry out a detailed survey for need assessment and requirement analysis of BPKIHS Wired/Wireless Network along with IT Systems and plan/define detailed project requirements prior to submitting the proposal. The survey must be conducted physically with consent from BPKIHS. After the survey, a survey completion letter from the Computer Management Section of BPKIHS must be taken which shall be submitted by the consulting firm while submitting the proposal.

###### *ii. Assessment of Technology and Standards:*

Based on the requirement definition, the consulting firm shall assess the latest technology and standards to identify the technology best suited for the project. The consultant shall explore various alternatives based on the most appropriate technology available.

###### *iii. Technical design and preparation of specifications:*

After the selection of the most suitable technology and standards, the consulting firm shall prepare a technical design and Bill of Quantities (BOQ).

###### *iv. Preparation of RFP:*

The consulting firm shall prepare an RFP (Request for Proposal) document to procure the equipment and software/service as per the procurement act/guideline of the Government of Nepal (GoN).

###### *v. Tender execution:*

The consulting firm shall execute the tender process per the laws/bylaws of the Public Procurement Monitoring Office (PPMO), GoN.

###### *vi. Installation/operation of equipment and systems:*

The consulting firm shall do proper monitoring of the equipment/device procured/installed and make sure the equipment/device is operational.

##### **3. Competencies and Expertise of the Consulting firm:**

###### *3.1. Competency:*

The consulting firm selected for this assignment shall have the following competency profile

- The consulting firm must have a minimum of three years of experience.
- The consulting firm must have a positive net worth and an average turnover of NRs. 1,00,00,000.00 (Nepalese Rupees Ten Million only) for the last three consecutive years.

### 3.2 Technical Competency:

SN	Domain Expert	Minimum Qualification	Work Experience/skills	Estimated man-month (no. of personnel x total no. of months)
1.	Team Leader	<ul style="list-style-type: none"> <li>Bachelor's degree in Computer Engineering/Electronics and Communication/B. Tech</li> <li>Master's degree in ICT/Management with experience as a team leader.</li> </ul>	<ul style="list-style-type: none"> <li>At least 10 years of experience as a team leader / executive officer.</li> <li>Shall have adequate knowledge of network topologies, network equipment like router, switch, Optical Fiber Network, etc. Experience in the Operations Department of an IT/ ISP/ Telecommunication would be advantageous.</li> </ul>	1 x 3
2.	Project Manager / Procurement Engineer	<ul style="list-style-type: none"> <li>Bachelor's degree in Computer Engineering / Electronics and Communication / B. Tech</li> <li>Master's degree in ICT/Management with experience as a Project Manager.</li> </ul>	<ul style="list-style-type: none"> <li>At least 10 years of experience as a Project Manager / Procurement Engineer.</li> <li>PMP certification would be advantageous.</li> <li>Experience in IT/ISP/ Telecommunication is highly preferred.</li> </ul>	1 x 3
3.	Network Manager/ Engineer	<ul style="list-style-type: none"> <li>Bachelor's degree in Computer Engineering / Electronics and Communication / B. Sc (IT/Computing)/BBS/BBA.</li> </ul>	<ul style="list-style-type: none"> <li>At least 10 years of experience as a Network Manager/Engineer.</li> <li>Shall have knowledge on Network, IP Infrastructure/Transit, Security/Firewall, LAN/WAN, Wired/Wireless Technology, etc.</li> <li>Certification like CCIE (Routing &amp; Switching) would be advantageous.</li> <li>Experience in IT/ISP/ Telecommunication is highly preferred.</li> </ul>	1 x 3
4.	System Engineer	<ul style="list-style-type: none"> <li>Bachelor's degree in Computer Engineering / Electronics and Communication / B. Sc (IT/Computing).</li> </ul>	<ul style="list-style-type: none"> <li>At least 2 years of experience as a System Engineer.</li> <li>Shall have knowledge on Systems, Servers (Dell/HP/IBM).</li> <li>Certification on Servers (Dell/HP/IBM) would be advantageous.</li> </ul>	1 x 3

#### 4. Deliverables:

Based on the tasks described above, the consulting firm shall deliver/conduct the following:

- Requirement Analysis along with BOQ.
- Procurement/Tender processing.
- Completion of Installation and commissioning of equipment and final check/verification with completion report.

#### 5. Duration of the assignment:

The duration of the assignment shall be three months from the date of contract which could be extended upon mutual agreement by both parties as per the contract and the prevailing laws.