



**बर्दिबास नगरपालिका**  
**Bardibas Municipality**  
**नगर कार्यपालिकाको कार्यालय**  
**Office Of Municipal Executive**



मधेश प्रदेश  
Madhesh Province

पत्र संख्या (F.Y.): - २०८१।८२

चलानी नम्बर (Ref No):-

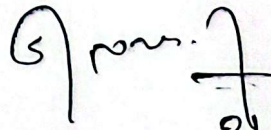
प्रस्तावना पेश गर्ने सम्बन्धी सूचना।  
(प्रथम पटक प्रकाशित मिति: २०८२/०३/२०)

श्री सरोकारवाला सबै,

यस न.पा.कार्यालय र मातहतका सम्पूर्ण वडा कार्यालय तथा स्वास्थ्यहरुमा Intranet सहितको Internet जडान गर्नु पर्ने भएकाले सो कार्यका लागि यस नगरपालिकाबाट स्वीकृत ToR अध्ययन गरी सो बमोजिम मिति: २०८२/०३/२६ गते भित्र नियमानुसार प्रस्तावना पेश गर्नु हुन यो सूचना प्रकाशन गरिएको छ ।

तपसिल:

क्र.सं.	विवरण	कैफियत
१	Deployment of Internet and Intranet Connectivity Across 36 Locations	ToR र Price Schedule यसै साथ संलग्न रहेको

  
३१/२०



**Bardibas Municipality**  
**Municipal Office of Bardibas Municipality**  
Terms of Reference (TOR) with Price Schedule

F.Y.:081/82



**Project Title:** Deployment of Internet and Intranet Connectivity Across 36 Locations

**1. Background**

This project aims to establish reliable and secure internet and intranet connectivity across 36 geographically dispersed sites to support seamless communication, data sharing, and centralized IT services.

**2. Objectives**

- Provide high-speed internet access to all locations.
- Establish a secure intranet for internal communication and resource sharing.
- Ensure centralized monitoring and management of the network.
- Maintain high availability, redundancy, and data security.

**3. Scope of Work**

- Site survey and network design for each location.
- Installation of internet connections (fiber/leased line/4G backup).
- Setup of intranet via VPN/MPLS or SD-WAN.
- Configuration of routers, firewalls, and switches.
- Integration with existing IT infrastructure.
- Prompt response during internet faults.

**4. Technical Requirements**

- Adequate internet bandwidth for each branch site (5-10 devices including cctv & attendance device) and central office (approximately 40-50 devices including cctv & attendance device).
- Redundant connectivity for critical locations.
- Centralized firewall and intrusion detection system.
- Secure VPN tunnels or MPLS for intranet.
- Cloud-based or on-premises network monitoring tools.
- Must have Backup link.

**5. Deliverables**

- Network design documentation.
- Fully configured and tested network at each site.
- Maintenance and support plan.

Prepared by ITO:

Approved by CAO:

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**6. Timeline**

- Notice publish of request for proposal: [2082-03-20]
- Project kickoff: [2082-03-27]
- Phase 1 (10 sites): [2082-03-27 to 2082-04-01]
- Final review and handover: [2082-04-07]

**7. Roles and Responsibilities**

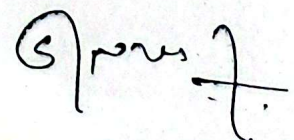
- **Vendor:** Design, implement, and support the network.
- **Client:** Provide access, coordinate with site contacts, and review deliverables.

**8. Network architecture**

- **Central Hub:** The central office will act as the core data center and control point.
- **Spoke Branches:** Each of the 35 branches will connect to the central hub via secure VPN/MPLS tunnels.
- **Topology:** Consider a **hub-and-spoke** or **star topology** for simplicity and centralized management.

**9. Proposed locations**

- i. One central office (Executive office of Bardibas Municipality)
- ii. Spoke Branch offices (14 ward offices ward no.1 to ward no.14)
- iii. Spoke Branch offices (total 18 point including health post, Basic health center and Urban health center)
- iv. Spoke Branch offices (Bardibas Hospital)
- v. Spoke Branch offices (One office quarter)
- vi. Spoke Branch offices (Agricultural section, Bardibas Municipality)



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**10. Price Schedule**

Item	Description	Quantity	Unit Price <sup>1</sup> (in NRs)		Total Price (in NRs) (cols. 4x5)	Remarks
			In Figure	In Words		
1	2	3	4		3x4=5	6
1.	Dedicated corporate package Bandwidth (60/60 Mbps)	1				Per Month
2.	Intranet Connectivity (10 Mbps)	35				Per Month
3	Active Fiber Installation & Configuration Charge Along with Backup Link in central office	1				One Time Cost
4	Active Fiber Installation & Configuration Charge in Branch Offices(Spoke)	35				One Time Cost
Total						
VAT						
Total with VAT						

Prepared by ITO:

Approved by CAO: