



बर्दिबास नगरपालिका
Bardibas Municipality
नगर कार्यपालिकाको कार्यालय
Office Of Municipal Executive

बर्दिबास, महोत्तरी
Bardibas, Mahottari
स्थानीय तह
बर्दिबास नगरपालिका
नगर कार्यपालिकाको कार्यालय
बर्दिबास, महोत्तरी
मधेश प्रदेश, नेपाल
२०७३

मधेश प्रदेश
Madhesh Province

पत्र संख्या (F.Y.): - २०८१।८२

चलानी नम्बर (Ref No):-

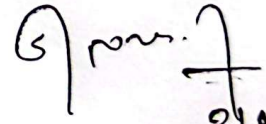
प्रस्तावना पेश गर्ने सम्बन्धी सूचना।
(प्रथम पटक प्रकाशित मिति: २०८२/०३/२०)

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 |


३/२०

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.

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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 ¹ (in NRs) | | Total Price (in NRs) (cols. 4x5) 3x4=5 |
|----------------|---|----------|-------------------------------------|----------|--|
| | | | In Figure | In Words | |
| 1 | 2 | 3 | 4 | | 3x4=5 |
| 1. | Dedicated corporate package Bandwidth (60/60 Mbps) | 1 | | | |
| 2. | Intranet Connectivity • (10 Mbps) | 35 | | | |
| 3 | Active Fiber Installation & Configuration Charge Along with Backup Link in central office | 1 | | | |
| 4 | Active Fiber Installation & Configuration Charge in Branch Offices(Spoke) | 35 | | | |
| Total | | | | | |
| VAT | | | | | |
| Total with VAT | | | | | |

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Approved by CAO: