

Bill of Quantitie

Runtigadhi Rural Municipality, Word NO. 1,2,3,4,5,6,7,8,9 And Office Of Runtigadhi Rural Municipality

Bill of quantities

Item No.	Description	Qty	unit	rate	Amount	In Words	Remarks
1	Patch cord	20	M				
3	Drop box	10	pcs				
4	PLastic fiber jointing box(Tiffin type)	40	M				
5	Bandwidth yearly	10	45MBps				
6	Binding wire	10	roll				
7	Drop wire	10	100m/role				
9	fiber reinforced plastic optical fiber (6)	54000	M				
11	Rj 45	100	Pcs				
12	5G Router	10	Pcs				
13	Fiber Sleeve	250	pcs				
14	Pulling,stretching,fixing optical fiber	54000	m				

पेस गर्ने

Terms of Reference(TOR) for Internet Service Provider(ISP)



**Runtigadhi Rural Municipality
Jhenam(Holer, Rolpa)**

1.Objectives :

The Present Terms of Reference aim is to provide a framework for full TCP/IP Internet service provision for the every **Ward level** of Runtigadhi Rural Municipality, Jhenam(Holer), Rolpa. The service should be provided based on fixed monthly fee. Capacity requirement : symmetric 40 Mbps bandwidth . Connection should be cable type, Preferably Fiber-optic: Wireless solution may be considered. The service is expected to be highly stable and reliable. The successful Provider must have 7*24*365 coverage for technical assistance and/ or helpdesk facilities.

2.Background

Runtigadhi is a Rural Municipality located within the Rolpa district of the Lumbini Province of Nepal. This Rural Municipality spans 232.69 square kilometers of area. This Rural Municipality has nine(9) ward levels. So the connection is to be made in every ward level office of this rural municipality so it may have at least 50 end users.

3. Technical Requirement :

- Speed Requirement symmetric 40Mbps Bandwidth.
- In case of shared channel the minimal guaranteed bandwidth should be clearly mentioned in the proposal.
- Connection should be cable type, Preferably fiber-optic, Wireless solutions may be considered.
- Optical fiber for connection should be fiber reinforced plastic optical fiber.
- No limitations on traffic/ports; bandwidth capacity should be ensured through direct IP connection.
- subnet of at least 14 static publicly routable IP address is required.
- All necessary hardware, cabling and software(if required for internet service) should be provided and set up by the provider.
- Free and unlimited technical support 24*7.
- Router for connection must support 5G.
- Download and upload speed of service must be at least 40 Mbps and 10 Mbps respectively.

- Quality of service must be good.

4. Additional Notes :

- The successful provider must have 7*24*365 coverage for technical support and/ or helpdesk facilities. Under the normal circumstances all problems should be resolved within maximum 24 hours after the system(Network) failure.
- In order to make the ward level access with the fiber network, connection should be made in such a way that the other public people could also get internet access if they want connection without hampering the bandwidth of ward office connection.
- The transportation cost for the equipments and the need of additional poles for optical fiber should be arranged by the service provider itself.

5. Implementation Timeline :

All installation works should be accomplished and connection should be launched within 15 days after the signing of the contract.

6. Contractual and Payment :

- Internet cost for the first year of contract must be embedded within the contract money.
- Internet service must be on yearly fee payment plan with no additional maintenance cost for contract year .
- The total payment of the contract is done when there will be internet access in all the ward level offices.
- contract duration : 1 year