



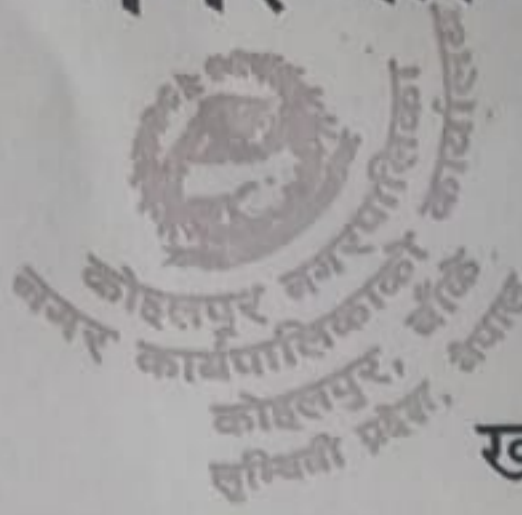
कोहलपुर नगरपालिका

# नगर कार्यपालिकाको कार्यालय

Google Plus Code



6M2Q+5V7 Kohalpur



कोहलपुर, बाँके  
लुम्बिनी प्रदेश, नेपाल  
खरिद तथा जिन्सी उपशाखा

सं.: २०८०/०८९

नं.: २६९३

मिति:- २०८१/०९/३१

विषय:- सिलबन्दी दररेट पेश गर्ने सम्बन्धमा।

श्री यस नगरपालिकामा सूचीकृत भएका/नभएका सप्लायर्स सबै।

उपरोक्त सम्बन्धमा यस कोहलपुर नगरपालिकाको आ.व.०८०/०८१ अन्तर्गत बार्षिक नीति, बजेट तथा कार्यक्रममा स्वास्थ्य सफ्टवेयर (HMIS) खरिदका लागि यस कार्यालयबाट मिति २०८१/०९/२४ गते प्रकाशित ७ (सात) दिने सूचना बमोजिम न्युनतम प्रस्तावना भन्दा कम प्रस्ताव पेश हुन गएकोले सारभूत रूपमा प्रभावग्राही नदेखिएको हुदाँ पुनः दोस्रो पटकका लागि यो सूचना प्रकाशन गरिएको छ।

अतः यो सूचना प्रकाशन भएको मितिले ५ (पाँच) दिनभित्र संलग्न Specification बमोजिमको सामग्रीको दररेट पेश गर्नहुन सम्बन्धित सबैको जानकारीका लागि यो सूचना प्रकाशन गरिएको छ।

तपशिल:-

१. प्रस्तावना/दररेट पेश निवेदन
२. भ्याट/प्यान दर्ता प्रमाण प्रतिलिपी
३. व्यवसाय दर्ता तथा नवीकरण भएको प्रतिलिपी
४. आ.व.७९/०८० को कर चुक्ता प्रमाणपत्रको प्रतिलिपी

धोलकराज ढकाल

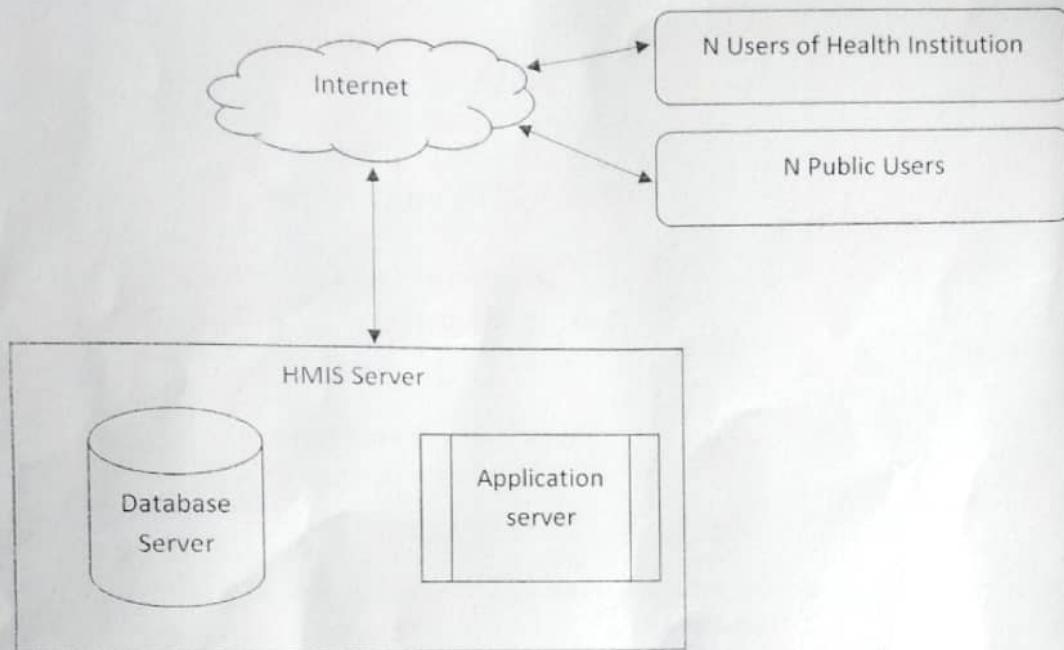
प्रमुख प्रशासकीय अधिकृत  
धोलकराज ढकाल  
प्रमुख प्रशासकीय अधिकृत

बोधार्थ:-

श्री सूचना प्रविधि तथा तथ्याङ्क उपशाखा- वेवसाईटमा अपलोड गरिदिनुहुन।

## Technical Specification of Hospital Management Information System (HMIS) Software

The HMIS software should be centrally hosted and accessible over the internet to all Local level Health Institution of Kohalpur Municipality Office and general public. The Software system should provide the following features and meet the specified requirements as well as eligibility criteria.



### Minimum Features:

- Administrative Module
  - User Management, Authentication and Authorization
  - Patient Registration
  - Pharmacy Management
  - Lab Report & Instrument Management
  - Vaccination Management
  - Health Insurance Claim Management
  - Database Management
  - Billing, Income Receipt & Income Statement Revenue and Collection Report
- Sample Management
  - Accessioning the Sample
  - Producing barcodes or unique number to affix to the Sample container
- Integration with External Systems
  - Health Insurance Board (Nepal Government Health Insurance Board) API Integration
  - Laboratory Machine LIS Integration
  - HMIS/DHIS2 System Realtime API Integration

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- Dynamic QR Integration for payment
- Lab Operations
  - Receive Samples for testing
  - Test orders via Machine Entry
  - Manual and Automatic Test Result Entry
  - Result verification with history
  - Bulk Verification
  - Digital Signature-Scanning
  - Sample Audit Trail
  - Sample Chain of Custody
  - Report Revision Log
  - Lab Turn-around Time (TAT)
- Reporting and Patient Communication
  - Report Printing & export PDF & Excell
  - Report Emailing
  - SMS Alerts
  - Online Report Download by Patient
  - QR-code Reporting Scanning
- Analytical Reports
  - Dashboard with Graphical Representation of data using bar-chart, pie-chart, line- chart, radar-chart etc.
  - Centralized Dashboard at HMIS showing overall performance data
  - Local Dashboard for each Health Institution showing performance data
  - Lab Test Turnaround Time Analytics
  - Sample Statistics
  - Patient Statistics
- Utilities
  - All data should be stored centrally
  - Data backup and restore

#### **Software Requirements:**

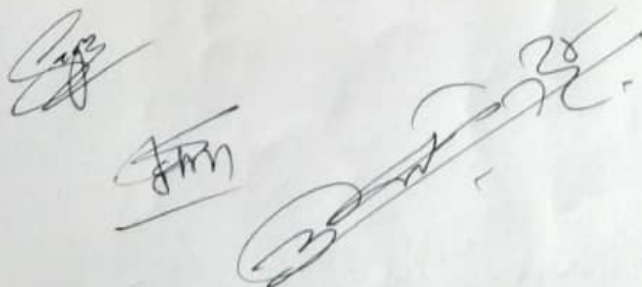
The proposed HMIS should provide integrated software modules for financial, administrative, operational and other tasks according to the following:

1. The System should be in client-server architecture with the server application taking central role in authenticating users and providing access to required functions.
2. The system should be fully web-based and the complete system should run on IP networks.
3. The System should provide encrypted data transmission (TLS) over the network to protect privacy of all data transmissions.
4. The proposed HMIS software should be secured against unauthorized access. Read / write access should be given according to user role.
5. The Software should be compatible with Linux Server or Microsoft Windows Server OS.


6. The users should be able to use the HMIS software on Microsoft Windows, MacOS and Linux Desktop platforms using standards-compliant web browser software.
7. The users should be able to use the HMIS software on Desktop, Laptop and Android Tablets.
8. All system updates should be centrally managed.
9. If any additional license is required for Server-OS, database or other components to run the supplied software, the supplier should supply such licenses valid for 5 years.
10. Modules should be customizable according to the needs of the users, departments and management.
11. System Administrator should be able to add, remove or modify configuration parameters (i.e. items, rates, Dr. and other staff names, tests, discounts etc.) using a graphical user interface without requiring changes to the software source code.
12. The Software should support Locally Hosted and Cloud Hosted model with access over the Internet.
13. Auditable Access-Logs with timestamp, username and activity should be provided for all user activities.
14. Software should be compatible with laboratory machine integration with bi-directional support including support for American Society for Testing and Materials (ASTM) and Health Level 7 (HL7) protocols.
15. Software should be compatible with Nepal Health Board Insurance integration.
16. Supplier should provide User Manual for the supplied HMIS software.
17. Supplier should setup automated daily backup for the database and provide an off-site storage for at least last 7-days backup.

**Software System Eligibility:**

1. The Software company should be a registered business entity in Nepal with minimum 5 years of working experience.
2. The Software developer should have experienced support technicians able to quickly resolve any issues that might arise during the operation of software.
3. The software should be implemented in minimum 2 national/province level hospital or at least 5 local level hospitals within Nepal
4. Software Company should have experience manpower to perform machine-Lab Information System (LIS) integration with different brands of lab machines.
5. The Software developer should have skilled Software Development team able to customize and deploy the software as per Our need.



**Kohalpur Municipality**  
**Office of the Municipal Executive**  
Kohalpur, Banke  
Lumbini Province, Nepal

  
धोरक राज ठकाल  
प्रमुख प्रशासकीय अधिकृत

**BoQ Form**

SN	Item Description	UoM	Quantity	Unit Price( In NRS)
1	Hospital Management Information System (HMIS) Software	Package	1	
			<b>Total</b>	
			VAT 13%	
			<b>Grand Total</b>	
Amount in words:				

Firm Name:

Address:

Name of Representative:

Signature:

Date:

Firm Stamp: