EXPRESSION OF INTEREST
For short term consultancy

Health Information & Service Delivery Unit, Primary & Secondary Healthcare Department, Government of Punjab intends to hire services of individual consultants on short term consultancy, against the work, qualification and experience as mentioned below:-

The department has planned to augment Computerization of Primary & Secondary Healthcare Department through Health Information & Service Delivery Unit (HISDU). The main objective of the project is automation and integration of routine work of the department. Under this project automation of the department with customized software/database design will be done. This exercise will be completed by introducing Information, Communication and Technology (ICT) tools in all areas.

Health Information & Service Delivery Unit requires high level technical support of following individuals:

Sr. No	Nature of Consultancy
01	Consultant Software Developer for development/up gradation/support of Electronic Medical Record (EMR)
02	Consultant System Network Administrator (South Zone)

The services of aforementioned individual consultants will be hired initially for the period of Six Months through competitive process.

Application Instruction

- The hiring/recruitments will be made strictly on merit basis in accordance with the rules and selection criteria
- Detailed terms of Reference (TORS), qualification, experience detail, and application forms are available at www.pshealth.punjab.gov.pk/jobs
- Only shortlisted candidates will be called for interview
- No TA/DA shall be paid for appearing in the interview
- Consultancy Fee is Negotiable
- The application should clearly indicate the Nature of Consultancy applied for on one side of envelope along with Curriculum Vitae (CV), 01 passport size photograph and attested copies of all relevant documents, Copy of domicile, CNIC/Certificates/Degree. Late and incomplete applications will not be entertained
- The interested individual consultants having expertise in above mentioned fields may approach the office of the Project Director Health Information & Service Delivery Unit (HISDU), Primary & Secondary Healthcare Department, 1-Birdwood Road, Lahore along with their CV and original documents and copy set of document up till 3rd December, 2018 at 9:30 AM. Interviews for individual consultancy shall be done on 3rd December, 2018 at 10:00 AM.

Project Director Health Information & Service Delivery Unit, Primary & Secondary Healthcare Department
Phone No. 99202032

Job Description/Terms of Reference/Qualification requirements for Consultant

2. Consultant Software Developers for development/up gradation/support of Electronic Medical Record (EMR)

- Developing existing programs by analyzing and identifying areas for modification
- Creating technical specifications and test plans
- Maintaining systems by monitoring and correcting software defects
- Writing and testing code and then refining and rewriting as necessary
- Testing the product in controlled, real situations before going live
- Maintaining the systems once they are up and running
- Researching designing and enhancing software program
- Testing new programs and fault finding
- Perform maintenance programming and correction of identified defects
- Create, documents, and implement unit test plans, scripts, and test harnesses
- Producing detailed specifications and writing the programmer codes
- Perform coding to written technical specifications
- Integrating existing software products and getting incompatible platforms to work together

Selection Criteria:

The candidate will be selected on the basis of the following competencies:

Qualification and Experience Requirements (Consultant Software Developer)

- MSc. Computer Science / MCS (2 Year)/ BSCS (4 Year) or equivalent from an HEC recognized University
- 01 years professional experience in Software Development / Programming.
- Must have experience of Oracle, ASP.Net, PHP, C # & Java based software / web application development

3. Consultant System Network Administrator (South Zone)

- Diagnose hardware and software problems, and replace defective components
- Perform data backups and disaster recovery operations
- Maintain and administer computer networks and related computing environments, including
- Plan, coordinate, and implement network security measures in order to protect data, software, and hardware
- Operate master consoles In order to monitor the performance of computer systems and networks, and to coordinate computer network access
- Perform routine network startup and shutdown procedures, and maintain control records
- Design, configure, and test computer hardware, networking software and operating system software
- Surveillance of fire alarm system and its maintenance
- Recommend changes to improve systems and network configurations, and determine hardware or software requirements related to such changes
- Monitor network performance in order to determine whether adjustments need to be made, and to determine where changes will need to be made in the future
- Confer with network users about how to solve existing system problems
- Install and support LANs, WANs, and network segments, Internet, and Intranet systems
- Monitor wireless access points to ensure wireless networks in operation
- Evaluate and modify system's performance by implementing anti-virus , PF sense software
- Determine network and system requirements
- Maintain integrity of the network, server deployment, and security

- Ensure network connectivity throughout a company's LAN/WAN Infrastructure is on *par* with technical considerations
- Assign routing protocols and routing table configuration
- Assign configuration of authentication and authorization of directory services
- Maintain network facilities in Individual machines, such as drivers and settings of personal computers as well as printers
- Maintain network servers such as file servers, VPN gateways, and intrusion detection systems
- Administer servers, desktop computers, printers, routers, switches, firewalls, phones, personal digital assistants, smartphones, software deployment, security updates and patches Perform other related duties as required during working hours

Selection Criteria:

The candidate will be selected on the basis of the following competencies:

Qualification and Experience Requirements (Consultant System Network Administrator)

- MSc. Computer Science / MCS (2 Year) / MIT / BSCS (4 Year) / BSc. Electrical Engineering from an HEC recognized University
- 3 years' experience in LAN / WAN Network troubleshooting with hands on experience in CISCO switches & routers in a reputable organization.

Note: MCSE, CCNA will be given an added advantage

Primary & Secondary Healthcare Department