

Expression of Interest
for
Design, Develop, Integration, Deployment
Implementation and Maintenance
of
Hospital Information Management System
at
Vivekananda Kendra NRL Hospital

Numaligarh Refinery Ltd. & Vivekananda Kendra NRL Hospital

Numaligarh, Golaghat, Assam – 785699

1. **Last Date of Submission of EOI:** 15 days from the date of advertisement
(Date advertisement: 07.07.2018).
2. **Interested parties should send their proposal / offer to VKNRL Hospital at vnrl@nrl.co.in**
3. **Interested parties should have -**
 - a. The software needs to be developed using open source technologies.
 - b. Introduction of the company / firm (complete company profile).
 - c. Firms must have a registered office in India.
 - d. GST Registration Certificate.
 - e. PAN Card under Income Tax Act.
 - f. Detailed experience in the field.
 - g. List of similar projects completed/implemented with references.
 - h. Firms should submit the successful implementation certificates from users. (where the firm has implemented the HIMS).
 - i. Complete project plan as a turnkey solution with tentative time plan must be submitted.
 - j. The Firm should agree to make presentations related to the information sought in response to this EOI.

Disclaimer

The purpose of this Expression of Interest (EOI) document is to provide interested parties with information to assist in formulation of their Proposal. This EOI document does not purport to contain all the information each bidder may require. Each bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this EOI document and obtain independent advice from appropriate sources. The vendor will submit a turnkey solution for this project

Purpose of Expression of Interest

Numaligarh Refinery Ltd. (NRL) and Vivekananda Kendra NRL Hospital (VKNRLH) intends to invite Expression of Interest (EOI) from competent and prospective Information Technology (IT) solution providers (herein after called "Proponent(s)") to indicate their interests in design, development, integration, deployment, implementation and maintenance of "Hospital Information Management System (HIMS)" at VKNRL Hospital, Numaligarh, Dist: Golaghat, Assam – 785699.

Introduction:

VKNRL Hospital is an ISO 9001:2015 Certified 100 bedded multispecialty hospital with two numbers of Mobile Medical Camp units situated at NRL Township, Numaligarh, Golaghat District catering to the captive NRL and nearby population. The hospital is managed by Vivekananda Kendra which is a service organization with the motto of "Serve Man Serve God".

Outpatient Consultations are available for the following department: General OPD, Medicine, General Surgery, Obstetrics & Gynaecology, Anaesthesia & Critical Care, Paediatrics & Neonatology, Ophthalmology, ENT, Dentistry, Dietetics, Physiotherapy, Teleconsultation, Yoga & Meditation. Hospital is having two pharmacies (Outsourced).

The hospital has WIPRO HIS V4 HIMS designed and deployed by WIPRO. The Hospital Information Management System (V3) was implemented from 3rd November 2009 and migrated to web version (V4) on 12th April 2015 with following modules with partial implementation.

1. Administration Module
2. Security & Identity Management
3. Contract management
4. Front office

5. Laboratory
6. Radiology
7. Admission / Discharge / Transfer (ADT)
8. Ward Management
9. IP Billing
10. Inventory Management - Purchase, Main store & Sub store
11. Physician Module
12. OHC Module
13. Operation Theatre
14. MIS Reports

Current IT infrastructure in VKNRL Hospital

- Desktop Computers - 44 Nos.
- Desktop Laser Printer - 20 Nos.
- Card Printer - 03 Nos.
- Bar Code Reader - 05 Nos.
- Webcam - 05 Nos.
- Scanner - 02 Nos.
- Laptop - 02 Nos.
- All PCs are connected to VKNRLH network
- VKNRLH network is connected to NRL LAN through OFC & WIFI.
- Server is located in IIS department, NRL server room

Requirement of Hospital Information Management system:

The software needs to be developed using open source technologies. The new software will take care of all activities at the hospital. It will take care of activities related with hospital administration, patient registration and care, medical records, procurement, scheduling resources and others. Adequate change management & training activities, onsite support should be taken seamlessly by the vendor ensuring the successful implementation of HIMS. The interested party may visit VKNRL Hospital for details of the software currently deployed in the hospital.

List of HIMS Modules required:

1. Front Desk Management & OP Billing (Patient registration)
2. IP Billing System

3. Medico Legal Case Management (Segregation of Medico legal patient)
4. Admission, Discharge & Transfer
5. Inventory Management System (Purchase / Mainstore / Substore)
6. Pharmacy Management System
7. Patient Examination Module (Physician Module)
8. Referral Management
9. IPD Management Module (Ward Module)
10. ICU management
11. Radiology Management System
12. Laboratory Management System
13. Casualty & Emergency Patient Management
14. Day Care Management
15. Equipment Maintenance
16. Image Management System & Picture Archiving and Communication System (PACS)
17. Kitchen & Dietary Management
18. Medical Record management System
19. Medical Equipment Interface
20. Blood Bank Management System
21. OT Management & Resource Scheduling
22. Discharge Summary
23. Ambulance Management
24. Patient Display System (Queue Management System)
25. Information Display System
26. Patient Portal with email interface for Investigation reports
27. Laundry Module
28. CSSD Module
29. Library Module
30. Certificate Module (Birth, Death, Fitness etc.)
31. Mobile Medical Camp
32. Demographic Survey with graphical representation
33. House Keeping
34. Fixed Asset Management
35. Help Desk
36. Barcode Interface (Lab Tests, Patient Registration etc.)
37. HR Module (Leave, ARS interface, Intranet etc.)
38. Grievance Redressal System
39. Daily Reporting (Ward, Emergency, OPD, MMC, OT etc.)
40. Financial Accounting System
41. Pay Roll

42. MIS with graphical representation
43. Occupational Health Checkup
44. Preventive Health Checkup
45. Pre employment health check up
46. Software Security Management
47. System Administration Module
48. Contract Management
49. Attendance Regulatory System / Biometric Attendance
50. Disaster and Emergency Response Management System
51. Visitor Module
52. Training Module
53. Patient Education & Counseling Module
54. Department Specific Module
 - a. General
 - b. Medicine
 - c. General surgery
 - d. Obst & Gynae
 - e. Pediatrics
 - f. Anaesthesia / Pre Anaesthesia Check up module
 - g. Orthopedics
 - h. Dental
 - i. Eye
 - j. ENT
 - k. Physiotherapy (Rehabilitation Module)

Posted on 07.07.2018