

Recruitment of personnel for eHealth Project Management applications were scrutinized and t

- [Annexures](#)
- [Notification for interview](#)
- [Notification for rejection of Application](#)

Notice Inviting Tender

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eHealth Project – A Synopsis
healthcare:
an effective IT enabled integrated framework to ensure

Integrated Digital framework for
The eHealth project envisages

efficient service delivery to the common citizen and provide a centralized database of healthcare information allowing close monitoring and control measures.

This will be a robust and sustainable IT solution supporting nearly 30,000 healthcare service personnel consisting of Doctors,

Paramedical and other non clinical staff at the Primary, Secondary and Tertiary care centres maintained by the State Government. The ultimate vision is about building an Integrated Healthcare Cloud which will hold the complete healthcare data about all the citizens in the state.

The main components of the framework are:

1. A Central Repository of Demographic, Public Health and Healthcare data pertaining to the State which will get dynamically updated. Each citizen record in the demographic data repository will be uniquely identified which will be used by all the services provided by e-Health Kerala.

2. Centralized Healthcare Information System which has the functionalities of an Integrated Hospital Management System, Disease Surveillance, Management Information System and Healthcare Planning.

3. A high Bandwidth reliable Network connecting all hospitals (in Public Sector) in Kerala and also linking them to Central Healthcare Data Repository and the Central Demographic Data Repository

Outcomes: The most important and visible outcome of this digital framework is the creation of a patient friendly interface for the public healthcare institutions all over the state. The systemic outcome is the availability of a universal data base, dynamically updated, by which government can plan for and monitor the provision of health care services. Scientific Supply Chain Management made possible through the framework will optimise inventory management and ensure timely availability of medicines, equipments and other stores.

Availability of digital healthcare data centrally will provide a huge impetus for the disease surveillance in the state. Real-time data from OP clinics will enable timely alerts on outbreaks and Communicable diseases. Statistical reports from the Electronic Medical Records (EMR) will provide valuable data on Non Communicable diseases and enable State to proactively intervene to reduce the disease burden.

Medical Research: Kerala has achieved remarkable progress in public healthcare as is evident from the numerous healthcare indices. This achievement, hailed as unique by many observers, is the outcome of dedicated service by a large group of highly motivated medical professionals in the state over the past few decades. If this achievement is to be sustained, a much higher level of involvement by the medical professionals is required. What is needed is a scientific analysis of the healthcare data to monitor, identify and suggest corrective measures to maintain the health of a society which is fast degenerating due to diseases often related to life style and demographic peculiarities.

Process Re-engineering: The changes brought about by this system are going to be fundamental. There is going to be a great deal of Process Re-engineering as well. The public healthcare system will undergo unprecedented transformation and the will no more have the old and archaic ambience. This can probably be compared to transformation that the railways have

undergone following large scale IT enabling. This will become possible only if the Doctors, Para Medical Staff, other employees, and all other stake holders are ready to accept the change and adopt the new vibrant environment. This could possibly be the single largest challenge in implementing the project.

Employee involvement: The single largest component which will decide the success of this project is the Software Application. Application Development will adopt the Agile Programming methods where in the Developer and the User will both be involved fully throughout the development life cycle.

There will be two distinct groups handpicked from the Health Department who will oversee the Application Development process. These groups will function in close co-ordination with Application Developers.

Technology Group: This will be a small group of employees who have sufficient IT background drawn from within the Health Department. This group shall be part of the Development team right from beginning and shall take over the system when completed. The group will be provided sufficient training in various aspects of Software technology viz. Software Programming, Database Administration, System Administration etc, There will be many right candidates in the Department capable of taking up the responsibility. They are to be located and brought together.

Functional Support Group: This is a group of Doctors, Paramedical staff and other support staff from various wings of the Health Department who will be part of the Application Development process from the early stage. This larger group will consist of small sub groups (core groups) handpicked from every specialty. These core groups will meet very frequently and evaluate the system under development. This group will also discuss and finalise the re-engineering required at each step. Each incremental stages of the Application will be demonstrated before the core groups and these future users will become familiar with the system as it gets developed. There will be occasional meetings of the entire Functional Support Group where the integration aspects among specialties will be discussed and finalized.