



National Institute for Smart Government

Health Management Information System

PROJECT HIGHLIGHTS DOCUMENT

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Purpose of this Document

This document provides an overview of the Health Management Information System for the purpose of experience sharing. It is expected to provide useful learning for members working in the area of ICT and e-Governance. The document by no means has any commercial intention and is solely developed for the purpose of knowledge sharing.

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1. Project Name and Category

Andhra Pradesh Health Management Information System (APHMIS) under Government to government (G2G), Government to Business (G2B) and Government to Citizen (G2C)

2.0. Vision

To “Utilize information technology to enhance effectiveness of health governance & to improve the delivery of health care through the use of reliable, accurate and timely information.” The vision statement emphasizes on certain key aspects, which are

- effectiveness of Health Governance: Aims to improve the administration of Human, Financial and Other Resources, directly or indirectly, involved in the delivery of health care services
- delivery of health care: The term includes Preventive, Curative and Epidemic management aspects of health care services in the state
- reliable, accurate and timely information: This focuses on streamlining and redesigning the information flow for providing the required information on demand, to the decision maker in customized formats

2.1. Objectives

The objectives envisaged as part of the vision for the AP-HMIS project are as follows:

- (I) Improve effectiveness of HR Management** – Health department is a human resource centric department. Doctors and paramedical staff are the key professionals in the delivery processes of health care services. Effective management of key professionals can be achieved by targeting following sub-objectives.

- (i) Improved planning for recruitment, transfer & promotion
- (ii) Optimal workforce deployment - right people, right skills, right place, right time
- (iii) Assess Training needs & Plan Training Programs
- (iv) Assess Employee's Performance- Optimize productivity & quality of work
- (v) Enhance employee convenience

(II) Better Financial Management – Health Department executes various preventive, disease control/eradication, hygiene/awareness programmes in the state funded from different internal and external agencies. It is important to have a holistic view of the funds and expenditure to plan out the health activities in a better way. This objective can be achieved by working on following sub-objectives:

- (i) Better budget lifecycle management
- (ii) Improved control of expenditures
- (iii) Financial audit
- (iv) Effective management of Schemes
- (v) Effective management of construction projects
- (vi) Asset Management
- (vii) Inventory & Supply Chain Management

(III) Improve Administrative Efficiency of Health Institutions –

This objective focuses on improving the performance of field units of various sub-departments by achieving following sub objectives:

- (i) Optimal utilization of resources
- (ii) Performance management of Health Institutions
- (iii) Automated generation of MIS & Reports

(IV) Improve Preventive Health Care Services – Performance of preventive health programs & epidemic management can be improved by working on following sub-objectives:

- (i) Improved monitoring of preventive health programs
- (ii) Effective disease surveillance
- (iii) Reduction in response time for epidemic management

(V) Improve Patient Care – Unlike others, this objective focuses on improving the services and experience of patient visiting the Government hospital for curative services.

- (i) Enhanced Efficiency & Convenience in the ADT (Admission – Discharge –Transfer) Process
- (ii) Maintain accurate Patient Health Records
- (iii) Timely Availability of medical supplies & equipment

2.2. Key Stakeholders

- Directorate of Health Services (DHS)
- Directorate of Medical Education (DME)
- Andhra Pradesh Vaidya Vidhana Parishad (APVVP)
- Commissionerate of Family Welfare (CFW)
- Andhra Pradesh Health Medical and Housing Infrastructure Corporation (APMHIDC)
- Drug Control Administration (DCA)
- Andhra Pradesh State Aids Control Society (APSACS)
- Institute of Preventive Medicine (IPM)
- Ayurveda, Yoga, Unani, Siddha, Homeopathy (AYUSH)
- Aarogyasri Health Care Trust
- Donor Agencies
- Citizens

3. Department owner

Department of Health, Medical & Family welfare (DoHM&FW), Andhra Pradesh

4. Project description

Department of Health, Medical & Family Welfare, Government of Andhra Pradesh (DoHM&FW, GoAP) intends to deploy IT enabled robust Health Management Information System to provide decision support (Operating, Managerial & Strategic), enhance evidence based policy making and undertake effective monitoring leading to improve accountability and effectiveness at all levels of the health system. Accordingly, DoHM&FW, GoAP has engaged NISG as primary consultant to support them in design & development of appropriate IT enabled Health Management Information system

5. Services delivered by the project

The project envisages providing management related information in the following services:

Financial Management- Item wise budget planning and expenditure tracking with a provision of approvals/workflow.

HR Management- Information on sanctioned strength, staff in position and vacancies, personal details of staff, promotions, transfers, deputations, trainings and pay related details of different categories of permanent & contractual staff.

Programme/Scheme Management- budgeting, expenditure and monitoring of progress of both state & centrally sponsored health

schemes/programmes in operation- like Reproductive & Child health (RCH), AIDS, Malaria, Tuberculosis, Leprosy etc.

Performance Management of Health Institutions (HI) - Information pertaining to performances of different health delivery institutions (like PHC, Hospitals) based on Key Performance indicators (eg: service delivery indicators).

Project Monitoring- Information pertaining to progress of project pertaining to construction/up gradation of hospital buildings/facilities.

Inventory & Supply Chain Management- Ordering, procurement, storage, distribution and consumption with a provision of indent & approvals/workflow for items (like drugs and equipment) centrally purchased by APHMHIDC.

Asset management- Information pertaining to fixed assets like equipment, buildings, vehicles etc.

Disease Surveillance- Information on disease outbreaks, trends of prevalence, disease pattern etc.

Vital Registrations- Information pertaining to birth & death registrations

Vital Health Statistics- pertains to the statistics of disease patterns, population health indicators (eg: Infant Mortality, Maternal Mortality, Morbidity etc)

Patient care services: includes admission, discharge & transfer in/from the hospital

6. Present Status of the project

The project is in the design & development stage.

7. Contact Details

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