



ABSTRACT

Tamil Nadu Health Systems Project – Phase I – Hiring of a Consultancy Firm to develop and implement a Comprehensive Health Management Information System for Secondary Level Hospitals in the State – Sanction accorded – Orders Issued

HEALTH AND FAMILY WELFARE DEPARTMENT

G.O 2D No. 68

Dated: 29.8.2005

Read:

From the Project Director, Tamil Nadu Health Systems Project, Letter No. 485 / HMIS / 2005 dated: 30.06.2005

Order:

At present, the information system available in the secondary health care is highly fragmented and incomplete. There is no system for detailed analysis of the data collected from various institutions under the control of Director of Medical and Rural Health Services. Data is also not shared with the stakeholders within the system and outside. Very often health department officials at the district level are not aware of progress made by their counterparts in the other districts. Officials in the directorates do not have access to the relevant and real time data from the districts on a continuous basis. The health related information is therefore not utilised for proper planning, supervision and monitoring. Therefore, a Comprehensive Health Management Information System (HMIS) is necessary to make the secondary care health system work efficiently. A Comprehensive Health Management Information System is needed for

- (i) Resource allocation
- (ii) Integration with primary level of care
- (iii) Planning and management
- (iv) Access and equity
- (v) Quality of services
- (vi) Human resources
- (vii) Referral system
- (viii) Role of private sector
- (ix) Utilisation of available information
- (x) Sustainability and cost sharing and
- (xi) Surveillance of communicable diseases

Health Management Information System is a systematic study of the procedures involved in each of the routine activities of the Health Services. The primary objective of the Health Management Information System is to provide operational information for policy formulation, monitoring and evaluation of operational activities that contribute to increased knowledge of inputs, processes, outputs, outcomes and impact of health services. The Health Management

Information System will focus on the collection, analysis and interpretation of data for decision-making.

2. The Project Director, Tamil Nadu Health Systems Project, has proposed to hire a Consultancy firm to study, design and develop software for a comprehensive Health Management Information System for the State of Tamil Nadu. The Consultant would also be required to train the users and implement the computer-based Health Management Information System. Financial Management Information system would be an integral part of the Health Management Information System. The Manual Reporting system in all the secondary level hospitals in the State would be replaced by a Web based System for a real time reporting of the current data. It is proposed to pilot test the System in 5 districts viz. Dharmapuri, Krishnagiri, Theni, Pudukottai, and Kanyakumari and then extend the System to the entire State on the basis of the outcome of the pilots. The selected Consultant shall also provide operational support and maintenance service for a period of one year from the date of completion of the piloting in the five districts. After satisfactory completion of the piloting, the Health Management Information System would be extended to the rest of the 24 districts. The objectives of the Health Management Information System are to:

- (i) Establish a computerised system in all the District Headquarters hospitals and Sub-district (Taluk and Non-Taluk) hospitals involving the Offices of Joint Director of Medical and Rural Health Services and Family Welfare / Deputy Director of Medical and Rural Health Services and Family Welfare. The main focus of Health Management Information System will be on clinical services, referrals and program related services.
- (ii) Establish a patient electronic data record system to track the past and current health profiles of the patients visiting any Government hospital.
- (iii) Network all the District headquarters hospitals and sub-district hospitals for tracking of referred cases and monitoring of outcome of programmes through a Computer Wide Area Network.
- (iv) Provide a linkage to the tertiary and higher medical institutions for referrals and follow up.
- (v) Provide feedback to service providers at field level for follow up, continuity of care and ensuring quality of health care from the medical institutions.
- (vi) Provide feedback to program managers for evaluation, monitoring and strategic planning, by establishing computerised systems at the State Directorates and the Secretariat.
- (vii) Provide information flow to all the other systems within the health community.
- (viii) Develop efficiency indicators along with selected indicators of key resources such as staff, financial status, essential equipments and drugs vital for service delivery and biomedical waste disposal, and
- (ix) Establish a personnel data bank for all the departments in health in the State including the Directorates.

The Consultancy would also include the following:

- A Baseline Study about the existing systems and practices of hospital management information system to finalise the baseline requirements.
- Design the application software, database structures and interfaces.

- Install the software and test the same in the 5 pilot districts and rectify any problems / defects that arise, in consultation with Tamil Nadu Health Systems Project.
- Train the users on the software.
- On satisfactory piloting, extend the System to other 24 districts.
- Support the operational maintenance for the completed districts for the next one year.
- Help in data migration and change management.

The total nonrecurring cost involved in the proposal is Rs 501.55 lakh.

3. The Project Director has placed the above proposal before the State Empowered Committee for approval. The State Empowered Committee, in its meeting held on 9.6.2005, has approved the proposal. The Project Director, Tamil Nadu Health System Project, has now requested the orders of the Government in the matter.

4. The Government, after careful examination of the proposal, issues the following orders.

(i) Sanction is accorded for a nonrecurring expenditure of Rs 501.55 lakh (Rupees Five hundred and one lakh and fifty five thousand only) towards hiring a Consultancy Firm to develop and implement a Comprehensive Health Management Information System Software in all the secondary level hospitals in the State, as detailed below:

Sl. No	Purpose	Cost (Rupees In Lakh)
1	Consultancy charges for design and development of Health Management Information System	500.00
2	Advertisement charges for inviting Expression of Interest	1.20
3	Hiring expert services for evaluating the technical proposals	0.35
	Total	501.55

ii. The Project Director, Tamil Nadu Health Systems Project, is permitted to hire a Consultancy Firm to study, design and develop a comprehensive Health Management Information System for all the secondary level hospitals in the State for planning and monitoring health services at the State, district and sub-district levels by replacing the present system of manual reporting. The System shall be pilot tested in 5 districts viz. Dharmapuri, Krishnagiri, Theni, Pudukottai, and Kanyakumari and then extended to the entire State. The selected Consultancy Firm shall provide operational support and maintenance service for a period of one year from the date of completion of installation of the Software.

iii. The Project Director, Tamil Nadu Health Systems Project, is authorised to hire a Consultancy Firm for designing, training and implementation of the Health Management Information System, detailed above, by following the Quality and Cost Based Selection (QCBS) method of the World Bank procurement procedure at a cost not exceeding Rs 500.00 lakh.

iv. The Project Director, Tamil Nadu Health Systems Project, is authorised to draw and incur the nonrecurring expenditure not exceeding Rs 500.00 lakh towards Consultancy charges by following the norms detailed below:

- a. 10% of the contract price to be paid as advance to the Consultancy Firm on the commencement date against the submission of a bank guarantee for the same,
- b. 10% of the contract price to be paid as advance upon development of software,
- c. 20% of the contract price to be paid as advance upon installation of software and training of users in the pilot districts,
- d. 20% of the contract price to be paid as advance upon completion of the pilot,
- e. 30% of the contract price to be paid as advance on completion of the installation and training in the remaining districts and
- f. Balance 10% of the contract price to be paid on completion of one year of operational support and maintenance after the end of Consultancy. The bank guarantee shall be released when the total payments reach 50% of the lump-sum amount.

v. The Project Director, Tamil Nadu Health Systems Project, is also authorised to draw and incur the nonrecurring expenditure not exceeding Rs 1.20 lakh towards advertisement charges for calling Expression of Interest from Consultancy firms for the above purpose.

vi. The Project Director, Tamil Nadu Health Systems Project, is authorised to draw Rs. 0.35 lakh in advance and incur the expenditure of towards hiring technical experts (not exceeding 5 members) for evaluating the technical proposals at the remuneration of Rs 1000 per sitting per expert. The number of sittings should not exceed seven for technical proposal evaluation.

vii. All advances shall be drawn in relaxation of Article 99 of the Tamil Nadu Financial Code.

viii. The Project Director, Tamil Nadu Health Systems Project, is permitted to reallocate the nonrecurring expenditure within the components without exceeding the total amount of Rs 501.55 lakh.

5 (i). The nonrecurring expenditure of Rs 500.35 lakh towards Consultancy charges shall be debited to the head of account "2210. Medical and Public Health – 80. General - 004. Health Statistics and Evaluation - Schemes in Tenth Five Year Plan – II. State Plan - PA. Building Capacity to strengthen Health Management Information System - 33. Payments for Professional and Special Services - 03. Special Service (DPC 2210 80 004 PA 3331)".

ii. The nonrecurring expenditure Rs 1.20 lakh towards advertisement charges shall be debited to the head of account "2210. Medical and Public Health – 80. General - 004. Health Statistics and Evaluation - Schemes in Tenth Five Year Plan – II. State Plan - PA. Building Capacity to strengthen Health Management Information System - 08. Advertising and Publicity – 01. Advertisement Charges (DPC 2210 80 004 PA 0816)".

6. The Project Director, Tamil Nadu Health Systems Project, is permitted to incur nonrecurring expenditures of Rs. 6.57 lakh (Rs. 6.22 lakh towards Consultancy charges and Rs. 0.35 lakh towards hiring of expert services for evaluation of technical proposal) and Rs 1.20 lakh towards advertisement charges, pending provision of funds in Revised Estimate / Final Modified Appropriation 2005-06. Necessary funds will be provided in Revised Estimate / Final

Modified Appropriation 2005-06 and the Project Director shall send necessary proposals to the Government in Finance department for including the expenditure in Revised Estimate / Final Modified Appropriation 2005-06 at the appropriate time. The Pay and Accounts Officer (South) is directed to admit the bills, pending provision of funds in Revised Estimate / Final Modified Appropriation 2005-06.

7. This order issues with the concurrence of the State Empowered Committee constituted in G.O. Ms. No. 28, Health and Family Welfare, dated 28.2.2005 and the concurrence of Finance Department vide its U.O. No. 257 / JS (TK) / HI / 2005, dated: 25.8.2005 and Additional Sanction Ledger No. 628.

BY ORDER OF THE GOVERNOR

SHEELA RANI CHUNKATH
SECRETARY TO GOVERNMENT

To

The Project Director, Tamil Nadu Health Systems Project, Chennai - 6.
The Accountant General (A&E), Chennai-18.
The Accountant General (Audit. I), Chennai - 18.
The Pay and Accounts Officer (South), Chennai - 35.
The Joint Director of Medical and Rural Health Services and Family Welfare, Dharmapuri, Krishnagiri, Theni, Pudukottai and Kanyakumari.
The Collector, Dharmapuri, Krishnagiri, Theni, Pudukottai and Kanyakumari.

Copy to:

The Secretary to Government of India, Ministry of Health and Family Welfare, New Delhi - 11.
The Country Director - India, The World Bank, New Delhi Office, 70, Lodhi Estate, New Delhi - 3,
The Secretary to Chief Minister, Chennai - 9.
The Senior Personal Assistant to Minister for Finance, Chennai - 9.
The Senior Personal Assistant to Minister for Health, Chennai - 9.
The Finance (BG II / Health 1) department, Chennai- 9.

FORWARDED BY ORDER


SECTION OFFICER 1.4.05
