



ABSTRACT

National Health Mission – State Health Society - Implementation of Essential Diagnostics Services System (EDSS) in all Primary, Secondary and Tertiary Healthcare Institutions in Tamil Nadu implementation of the scheme as Pilot project in Tiruvallur District – Sanctioned - Orders - Issued.

Health and Family Welfare (EAP II-2) Department

G.O (Ms) No.438

Dated :01.10.2019
Vigari, Puratasi- 14
Thiruvalluvar Aandu 2050

Read:

From the Mission Director, National Health Mission, Chennai, Letter Ref.No.01141/E/SHS/2019, Dated:02.05.2019.

ORDER:

During the Budget Speech 2019-20, among others made an announcement as follows:-

“90. அனைத்து அரசு மருத்துவமனைகளிலும் அத்தியாவசிய மருந்துகள் தேவையான அளவு இருப்பு வைப்பதில், நாட்டிலேயே தமிழ்நாடு முன்னணியில் உள்ளது. அதேபோல், அனைத்து நிலை மருத்துவமனைகளிலும் முக்கிய உடற் பரிசோதனைகள் தொகுப்பாகக் கிடைப்பதை உறுதிசெய்யக்கூடிய முக்கியமான இலட்சியத் திட்டத்தை இந்த அரசு செயல்படுத்தும். இத்திட்டத்திற்குத் தேவையான உபகரணங்கள், கருவிகள் மற்றும் பொருட்கள் வழங்கப்படுவதுடன், இத்திட்டத்திற்கான சிகிச்சை நெறிமுறைகளும் உருவாக்கப்படும். இத்திட்டத்திற்கென மூன்று ஆண்டுகளில் 247 கோடி ரூபாய் செலவிடப்படும்”.

2. In the letter read above, the Mission Director, National Health Mission has stated that the Drugs and Diagnostics are the two major contributors for Out-Of- Pocket Expenditure (OOPE) in any health systems. The Government of Tamil Nadu is providing free drugs at all the three levels of health institutions through an effective drug delivery supply chain management through Tamil Nadu Medical Services Corporation Ltd. As per the 71st NSSO analysis, Tamil Nadu is a leading State with minimal out of pocket expenditure for drugs in public facilities. To reduce Out-Of- Pocket Expenditure further and to provide quality care in parallel with free availability of drug services, it is essential to provide a comprehensive set of quality assured laboratory testing services at free of cost to all patients attending the Government Hospitals.

3. In order to implement the above services, a proposal at a total cost of Rs.273.14 Crores was prepared and 30 % of cost was proposed for the year 2019-20 in PIP 2019-20 and the Government of India has approved Rs.82.25 crores in RoP 2019-20 as follows:

RoP Approval 2019-20 (Rs. in lakhs)

FMR code	Particulars	Unit Cost	Quantity/ Target	Budget	Approved Budget
18.6	Implementation of Essential Diagnostic List	-	32	8194.46	8194.46
16.8.2.1.5	IT Coordinator	-	31*	30.69 [#]	30.69
	Total				8225.15

*IT Coordinators for 2 more districts will be proposed in the supplementary RoP 2019-20.

[#]budgeted for 6 months only

4. The Mission Director, National Health Mission has further stated that, a proposal regarding Essential Diagnostics Services System was placed in the 37th EC meeting of State Health Society held on 11.02.2019 and the same has been approved by the Executive Committee vide Agenda No.8/37/2019 on 11.2.2019 and requested to issue necessary orders in this regard.

5. The Government after careful examination have decided to accept the proposal of the Mission Director, National Health Mission and accordingly issue the following orders:-

- (i) Sanction is accorded to implement the Essential Diagnostics Services System (EDSS) in all Primary, Secondary and Tertiary Healthcare Institutions in Tamil Nadu.
- (ii) Sanction is accorded to create a State Programme Management Unit for Essential Diagnostics Service System in the National Health Mission, Tamilnadu as mentioned below:

(a) Composition of Essential Diagnostics Services System - State Programme Management Unit :

Sl. No.	Members	Existing/ New	Designation with Qualification	No. of new Posts	Unit Cost/ Month in Rs	Total Cost/ Year in Rs.
1	State Programme Manager	Existing	-			
2	Representative - DME	Existing (on diversion)	Medical officer ** / Senior Lab Technician			
3	Representative- DMS	Existing (on diversion)				
4	Representative- DPH	Existing (on diversion)				
5	IT-Coordinator (LIMS)	New salary at a cost of Rs.16,500/- on outsourcing basis through ELCOT	MCA/BE/ B.Tech with 1-year experience in the relevant field.*	1	16500	1,98,000
	Total					1,98,000

**With at least 1 year experience related to medical laboratory

* B.E.(Bio Medical Engineering), MSc.(Bio Medical Engineering), MSc. (MLT) with One year experience in the field of medical laboratory services will be preferred

(b) Terms of Reference of Essential Diagnostics Services System - State Programme Management Unit:

- (i) Planning & Implementation of Essential Diagnostics Services Systems in the State in coordination with the three directorates.
- (ii) Periodical Monitoring and Review of Essential Diagnostics Services Systems - District Programme Management Unit
- (iii) Facilitate On-site monitoring of Peripheral Labs
- (iv) Data Analysis of Lab Performance
- (v) Inventory Management - Monitor Equipment and Reagent Supply
- (vi) Follow-Up AMC, Calibration and Service Call
- (vii) Quality Management System Training

(c) The Mission Director, National Health Mission is permitted to place one IT-Coordinator (LIMS) in State level (EDSS-SPMU) at a salary of Rs.16,500/- per month on out sourcing basis through ELCOT.

(iii) Sanction is accorded to create a District Programme Management Unit for Essential Diagnostics Services System (EDSS-DPMU) at the District Public Health Lab located in the District Head-quarters Hospitals concerned by providing certain infrastructure strengthening to the existing units as indicated below:

(a) Composition of Essential Diagnostics Services Systems - District Programme Management Unit

Sl. No.	Members	Existing/ New	Designation with Qualification	No.of new Posts	Unit Cost/ Month in Rs.	Total Cost/Year in Rs.
1	District Lab. Coordinator (District Pathologist *)	Existing	-			
2	District Microbiologist (DPHL)	Existing- DPH&PM	-			
3	District IT Co-ordinator (LIMS)	New – salary at a cost of Rs.16,500 on out sourcing basis through the District Health Society	MCA/BE/B Tech with 1-year experience in the relevant field.**	30***	16500	59,40,000
	Total					59,40,000

*In districts without the District Pathologist post, Assistant Surgeons with Additional Qualification with M.D in Pathology /Microbiology/Biochemistry /D.C.P will be designated as District lab coordinator. In case there is no Assistant Surgeons with such qualification available in the districts, then Assistant Professors with Additional Qualification in M.D Pathology /Microbiology/ Biochemistry /D.C.P will be designated as District lab coordinator.

** B.E.Bio Medical Engineering, MSc.Bio Medical Engineering, MSc. MLT with One year experience in the field of medical laboratory services will be preferred.

***IT Coordinators for 2 more districts will be proposed in the supplementary PIP 2019-20.

(b) Terms of Reference of Essential Diagnostics Services Systems - District Programme Management Unit

1. Planning & Implementation of Diagnostic Services in the District
2. Periodical Review of District Hospital, Sub District Hospital Labs
3. Sensitisation and Training to all Laboratory Technicians on a periodical basis
4. Facilitate On-site monitoring of Peripheral Labs
5. Data Analysis of Lab Performance
6. Inventory Management - Monitor Equipment and Reagent Supply
7. Follow-Up AMC, Calibration and Service Call
8. Quality Management System Training
9. District Lab Coordinator will be responsible for the implementation and day to day functioning of Essential Diagnostics Services System at district level.

(c) Role of District Lab Coordinator

- i) She/he will be responsible for the implementation and day to day functioning of essential diagnostic services in the entire district
- ii) She/he will liaise with officers from each of the directorates for the implementation of the essential diagnostic services system

(d) The Mission Director, National Health Mission is permitted to place District IT-Coordinator (LIMS) @ 1 per district at 30 Districts Mentioned in annexure to this Government order at a salary of Rs.16,500/- per month on out sourcing basis through ELCOT.

(iv) Sanction is accorded to constitute District Lab Technical Advisory Committee (DLTAC) to coordinate with Essential Diagnostics Services Systems - District Programme Management Unit concerned as follows:

(a) District Lab Technical Advisory Committee:

Sl.No	Designation
1	District Programme Officer(JDHS)
2	Dean of the Medical College Hospital (wherever applicable)
3	Deputy Director Health Services
4	District TB Officer
5	District Lab. Coordinator (District Pathologist *)
6	Bio Medical Engineer
7	District Microbiologist(DPHL)

*In districts without the District Pathologist post, Assistant Surgeons with Additional Qualification with M.D in Pathology /Microbiology/Biochemistry /D.C.P will be designated as District lab coordinator.

(b) Terms of Reference of District Lab Technical Advisory Committee

- i. To assist Essential Diagnostics Services Systems - District Programme Management Unit by providing technical advice and assistance wherever necessary according to their expertise.
- ii. To facilitate the rationalisation of Human Resources from various programmes.

(c) The District Lab Technical Advisory Committee and Essential Diagnostics Services Systems - District Programme Management Unit shall meet at least once every 3 months.

(v) Sanction is accorded to constitute an Expert Committee for creating a detailed implementation plan for the Essential Diagnostic Services System as follows:

S.No	Designation	Organisation
1	Mission Director	National Health Mission
2	Managing Director	Tamil Nadu Medical Services Corporation (TNMSC)
3	Project Director	Tamil Nadu State AIDS Control Society
4	Director of Medical Education	Directorate of Medical Education
5	Director of Medical and Rural Health Services	Directorate of Medical and Rural Health Services
6.	Director of Public Health and Preventive Medicine	Directorate of Public Health and Preventive Medicine

S.No	Designation	Organisation
7.	State Nodal Officer - Biochemistry	As appointed by the Mission Director/ Executive Committee
8.	State Nodal Officer - Pathology	As appointed by the Mission Director/ Executive Committee
9.	State Nodal Officer - Microbiology	As appointed by the Mission Director/ Executive Committee
10.	State Programme Manager	State Programme Management Unit – Essential Diagnostic Services System (NHM)
11.	State IT Coordinator	Essential Diagnostics Services Systems State Programme Management Unit
12.	Any other member nominated by the Mission Director/ Executive Committee	

- (vi) The Mission Director, National Health Mission is permitted to procure and supply of Equipment, Reagents, Chemicals and Consumables based on Gap Analysis through Tamil Nadu Medical Services Corporation for performing each of the components of the 'Assured Test Menu in a phased manner over a period of three years as follows:-

Sl. No.	Level	Number of Test
1.	Health Sub-centre	4
2.	Primary Health Centre	20
3.	Upgraded PHC	25
4.	Sub-District Hospital	42
5.	District Headquarters Hospital	62
Medical College Hospital		
6.	Non Apex level	139
7.	Apex Level	147
8.	Ultra Apex level	193

- (vii) The Mission Director, National Health Mission is permitted to designate one State Nodal Officer for each specialty viz., Pathology, Microbiology and Biochemistry from the Directorates, as an additional charge without any additional financial implications with the approval of the Executive committee of the State Health Society, Tamil Nadu.
- (viii) The Mission Director, National Health Mission is permitted to develop the Lab Information and Management System with dedicated comprehensive web app-based Laboratory Information and Management System software in all the health facilities across Tamil Nadu such that it integrates smoothly with any HMIS and LIMS software in use in Government hospitals and complies with relevant quality standards through the agency hired by National Health Mission for implementation of HMIS / LMIS in the State.
- (ix) The Mission Director, National Health Mission is permitted to procure and supply of necessary equipment such as computer, barcode printer, barcode reader, laser printer, etc., through the Managing Director, ELCOT, Chennai for implementation of the LIMS.
- (x) The Mission Director, National Health Mission is permitted to establish a logistics system to interconnect all the laboratories throughout the State in a Hub-and-Spoke for the implementation of Essential Diagnostics Services System.
- (xi) The Mission Director, National Health Mission is permitted to rationalize the Laboratory technician of various programmes to ensure adequate Human Resource, necessary for the implementation of Essential Diagnostics Services System with the concurrence of respective

Project Directors/Mission Directors/Director of Medical Education/Director of Medical and Rural Health Services/Director of Public Health and Preventive Medicine.

- (xii) The Mission Director, National Health Mission is permitted to implement the scheme as a Pilot project in Thiruvallur District at an approximate cost of Rs.610.624 lakhs as mentioned in Annexure to this Government Order.
- (xiii) The Mission Director, National Health Mission is permitted to incur the funds for the above Pilot project from the National Health Mission -RoP approved funds of 2019-20.
- (xiv) The Mission Director, National Health Mission is permitted to utilize the necessary funds from National Health Mission RoP funds for miscellaneous activities such as Information Educational Communication, Supportive Supervision, Capacity building, Office Expenses, Monitoring and Evaluation, etc related to the implementation of Essential Diagnostics Services Systems.
- (xv) The Mission Director, National Health Mission is permitted to submit detailed gap analysis for all districts for Sanction of the funds for the other districts.

6. This order issues with the concurrence of Finance Department vide its U.O.No.43021/Health-I/2019, dated:25.09.2019.

(BY ORDER OF THE GOVERNOR)

**BEELA RAJESH
SECRETARY TO GOVERNMENT**

To

The Mission Director, National Health Mission, Chennai – 600 006.

The Director of Medical Education, Chennai – 600 010

The Director of Medical and Rural Health Services, Chennai - 600 006.

The Director of Public Health and Preventive Medicine, Chennai – 600 006

The Pay and Accounts Officer / District Treasury Officer / Sub Treasury Officer concerned.

The Principal Accountant General, Chennai - 600 018.

The Accountant General (Audit), Chennai - 600 035

Copy to:

The Special Personal Assistant to Hon'ble Minister (Health and Family Welfare)
Chennai - 600 009

The Finance (Health-I) Department, Chennai - 600 009.

Health and Family Welfare (Data Cell) Department, Chennai - 600 009.

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//Forwarded by Order//

A. V. S. S. S.
2/10/19
SECTION OFFICER

Note *Supply in pipeline through TNMSC

**TAEI/ SCRIPT

***Required for Dialysis Centre

A.1. Total Budget required for Equipment in Tiruvallur District – Rs. 53,55,000/-

A.2. Total Budget required for reagents- Tiruvallur District and Government Stanley Medical College Hospital

a. Total Budget required for reagents for Tiruvallur District – Rs.5,26,50,064/-

b. Annual budget allotment from NHM and State Budget for reagents Rs.5,59,200/-

c. Additional Budget required for reagents for Tiruvallur District (2a– 2b) –
Rs.5,20,90,864/-

d. Total Budget required for reagents for Stanley Medical College Hospital =
Rs.6,91,000/-

e. Total Budget required for reagents for Tiruvallur and Government Stanley Medical College Hospital (c+d) - Rs. 5,27,81,864/- (Rs. 527.82 lakhs)

B. Quality Assurance activity for 12 Govt. Hospitals in Tiruvallur District:

Sl.No.	Activity	Cost of Reagents for 1 year (In Rs.)
1	Quality control for Hematology Analyzer in Tiruvallur District – Sysmex – XP100	9,02,400
2	External quality assurance programme	33,000
3	Internal quality assurance	35,000
	Total	9,70,400

C. Cost for Hub and Spoke Model:

Budget Estimate	Cost per month (in Rs.)	Cost for 1 year (In Rs.)	Number of units	Total cost (In Rs.)
Monthly Remuneration for Messenger	8,000	96,000	3	2,88,000
POL allowance	2,000	24,000	3	72,000
Electric Train pass for 1 year - Tiruthani to Chennai – Rs. 4000		4,000		
Electric Train pass for 1 year - Gummidipoondi to Chennai – Rs.3000		3,000		
Electric Train pass for 1 year - Tiruvallur to Chennai – Rs.3000		3,000		
Bus Pass for 1 year - (Madhavaram to Stanley Medical College) = Rs.8000		8,000		
Remuneration for Coordinator	12,000	14,4000	1	1,44,000
Consolidation:				
Messenger Remuneration				2,88,000

Budget Estimate	Cost per month (in Rs.)	Cost for 1 year (In Rs.)	Number of units	Total cost (In Rs.)
POL Allowance				72,000
Train Pass				10,000
Bus Pass				8,000
Coordinator Remuneration				1,44,000
Total				5,22,000

D. LIMS –Software and Hardware requirement

SI No.	Description	Qty	Rate	CAPEX	OPEX
1	4 GB DDR3 RAM 1333MHZ	14	2,950	41,300	
2	4 GB DDR3 RAM 1600MHZ	16	2,950	47,200	
3	Barcode Printer	21	15,000	3,15,000	42,000
4	Barcode printer ribbon and Barcode Stricke	21	2,000		42,000
5	LaserJet Printer	24	12,000	2,88,000	80,000
6	Original Toner & A4 Paper 1000 sheets	24	1,200		28,800
7	Data Card (based on the best signal available at hospital location)	40	1,000	40,000	
8	Monthly Rental (1.5 GB per day, Rs.200 per month)	40	200		8,000
9	Cloud Server Infrastructure	1			1,79,874
10	Interface cable	80	650	52,000	
11	02 or 04 - Serial port card	22	1,700	37,400	
12	Serial Port to USB converter	4	350	1,400	
13	5 Amps 6 pin Junction Box for electrical (if required)	35	900	31,500	
	Total			8,53,800	3,80,674
Grand Total				12,34,474	

Budget abstract for the Implementation of EDSS in the Pilot district - Tiruvallur
(Rs. In lakhs)

S.No	Activity	Non Recurring cost	Recurring cost	Amount
A	Equipment for strengthening Laboratory services in Tiruvallur District.	53.55	-	53.55
B	Reagent for strengthening Laboratory services in Tiruvallur District and Stanley Medical College Hospital	-	527.82	527.82
C	Quality assurance activity in Govt. Hospitals of Tiruvallur district	-	9.704	9.704
D	Cost for Hub and Spoke Model	-	5.22	5.22
E	Hardware and software for LIMS	8.54	3.81	12.35
F	Human Resource cost – one District IT-coordinator @ Rs. 16500/- per month	-	1.98	1.98
	Total	62.09	548.534	610.624

BEELA RAJESH
SECRETARY TO GOVERNMENT

//True Copy//

L. Umitha
3/10/19
SECTION OFFICER