



ABSTRACT

State Health Society – Tamil Nadu – National Health Mission – Strengthening the Cardiac care Network under Tamil Nadu Innovation Initiatives (TANII) by Establishment of Hub and Spoke model in Tamil Nadu - Orders – Issued.

Health and Family Welfare (EAP II-2) Department

G.O.(Ms) No.303

Dated : 31.08.2017
Heyvilambi, Avani-15
Thiruvalluvar Aandu 2048

Read:

1. G.O.(2D).No.5, Health and Family Welfare (EAP II-1) Department, dated: 07.02.2013.
2. G.O.(2D).No.159, Health and Family Welfare (EAP II-1) Department, dated: 27.10.2016.
3. From the Mission Director, State Health Society, letter Ref. No. 9555 / P5 / SHS / 2016, dated: 15.03.2017 and 08.06.2017.

ORDER:

In Government Order first read above, orders were issued to implement a pilot project to access the feasibility of developing a local ST Elevation Myocardial Infarction (STEMI) system of care and to test the feasibility and effectiveness of the two strategies in ST Elevation Myocardial Infarction (STEMI) management i.e. Primary Percutaneous Coronary Intervention (PCI) in those patients with short transportation times and Pharmaco-invasive strategy in those with long transportation times. It was also permitted for pilot testing with Hub and Spoke model with three Private Medical institutions empanelled under Chief Minister Comprehensive Health Insurance Scheme and two Government Medical institutions. Permission was also granted to utilize the '108' ambulances for transportation.

2. In continuation of the successful implementation of the Project, in Government Order 2nd read above, orders were issued for the extension of the project for the observational study of Pharmaco-invasive strategy with Reteplace in patients with ST Elevation Myocardial Infarction-RePAMI with Hub and Spoke model

3. The Mission Director, State Health Society has stated that the aim of project for strengthening the Cardiac Care Network in Tamil Nadu are as follows:-

- i. to establish HUB and Spoke model to strengthen the cardiac care network in Tamil Nadu, in particular ST Elevation care.
- ii. to reduce the morbidity and mortality related to MI in particular ST Elevation.
- iii. to improve critical cardiac care transportation through 108 Ambulance Services.

- iv. to generate systems to increase the public awareness of the importance of early treatment in ST Elevation Myocardial Infarction (STEMI) cases.
- v. to generate systems to increase the public awareness for the need of below poverty level patients to have Chief Minister's Comprehensive Health Insurance Scheme card available to them
- vi. to improve the networking of the Chief Minister's Comprehensive Health Insurance Scheme linking it to ration card and ability to provide the necessary clearance for the procedure without delay to the patients

4. The Mission Director, State Health Society has also stated the roles and responsibilities of the parties involved in this project are as follows:-

- National Health Mission will act as the Nodal Agency for this Project.
- Emergency Management Research Institution (EMRI) will be involved for 108 Ambulance.
- The Director of Medical Education / Director of Medical and Rural Health Services institutions are the part of HUB & Spoke model.
- Chief Minister's Comprehensive Health Insurance Scheme (CMCHIS) for risk pooling.
- ST Elevation Myocardial Infarction (STEMI) India for protocols & Training.

6. The Mission Director, National Health Mission has therefore requested Government order to strengthen the Cardiac Care network in Tamil Nadu.

7. The above proposal was examined by the State Planning Commission and appraised as a proposal under Tamil Nadu Innovation Initiatives 2017-2018, and recommended to implement the project with the outlay of Rs. 925.2 lakh for a period of three years i.e. 584.40 lakh for first year, 195.40 lakh for second year and 145.40 lakh for third year. The proposal has been approved by the standing Finance Committee to be funded under State Innovation fund.

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

- i. Administrative sanction is accorded for strengthening the cardiac care network in Tamil Nadu under Tamil Nadu Innovation Initiatives with (TANII) an amount of Rs. 925.2 lakh for a period of three years. The break-up details of the cost of the project is annexed with this order.
- ii. The cost of the project is approved to be funded under State Innovation Fund over a period of three years as detailed below:-

Rs in lakhs			
I Year	II Year	III Year	Total
584.40	195.40	145.40	925.20

- iii. A sum of Rs.584.40 lakh (Rupees five crore eighty four lakh and forty thousand only) is sanctioned for the financial year 2017-18 to establish HUB and Spoke model in Tamil Nadu for strengthening the cardiac care network under Tamil Nadu Innovation Initiatives(TANII).

- iv. The Mission Director, State Health Society is permitted to improve critical cardiac care transportation through 108 Ambulance Service.
- v. The Mission Director, State Health Society is also permitted to generate a system regarding to increase the public awareness on the importance of early treatment in ST Elevation Myocardial Infarction (STEMI) cases and to increase the public awareness on the need of Below Poverty Level patients to have Chief Minister's Comprehensive Health Insurance Scheme (CMCHIS) card available with them.
- vi. The Mission Director, State Health Society is also permitted to improve the network for linking ration card with Chief Minister's Comprehensive Health Insurance Scheme (CMCHIS) to provide necessary clearance without delay to the patients.
- vii. The role and responsibilities of the parties is fixed as follows:-
 - National Health Mission shall be act as the Nodal Agency for this Project.
 - Emergency Management Research Institution shall be involved for 108 Ambulance.
 - The Director of Medical Education / Director of Medical and Rural Health Services institutions shall be the part of HUB & Spoke model.
 - Chief Minister's Comprehensive Health Insurance Scheme (CMCHIS) for risk pooling.
 - ST Elevation Myocardial Infarction (STEMI) India for protocols & Training.

9. The expenditure sanctioned in para 8(iii) above shall be debited under the following head of account:-

"2210 - Medical and Public Health - 80 General - 800 Other Expenditure - State's Expenditure - JP Cardiac Care Network - Scheme under State Innovation Fund - 09 Grants-in-Aid - 03 Grants for Specific Schemes"

(DPC No. 2210 80 800 JP 0930)

The amount shall be met from the State Innovation fund by deducting the following head of account:

2210 - Medical and Public Health - 80 - General - 902 - Deduct - Amount met from State Innovation Fund - JB - Deduct Amount met from State Innovation Fund - 30 - Inter - Account Transfers

(DPC -2210 80 - 902 - JB - 3000)

And Contra debiting the following head of account:

J - Reserve Fund (b) Reserve Funds not bearing interest
 8229 - 00 - Development and and Welfare Funds
 200 - Other Development and Welfare Funds
 BE - State Innovation fund

(8229 - 00 - 200 - BE - 0006 Outgo)

10. The Mission Director, National Health Mission / Project Director, Reproductive Child Health Project is authorized to draw and disburse the fund sanctioned in para 7(iii) above. The Accountant General of Tamil Nadu is requested to make necessary book adjustment regarding the drawal of fund from the State Innovation Fund account.

11. This order issues with the concurrence of Finance Department vide U.O.No.34467/Health-I/2017, dated:07.07.2017.

(BY ORDER OF THE GOVERNOR)

J.RADHAKRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT

To

The Mission Director, National Health Mission, Chennai - 600 006.
The Project Director, Tamil Nadu Health Systems Project, Chennai - 600 006.
The Director of Medical Education, Chennai - 600 010.
The Director of Public Health and Preventive Medicine, Chennai - 600 006.
The Director of Medical and Rural Health Service, Chennai - 600 006.
The Accountant General, Chennai - 600 018.
The Pay and Accounts Officer, Chennai - 600 035.

Copy to:

The Special Personal Assistant to Hon'ble Minister (Health and Family Welfare),
Chennai - 600 009.
The Health and Family Welfare (Data Cell) Department, Chennai - 600 009.
SC/SF

//Forwarded by Order//

N. Ratho
Section Officer



Annexure
Strengthening Cardiac Care Network under Tamil Nadu Innovation Initiatives

Sl. No.	Component details	Year 1 (2016-17) Amount (Rs. In lakh)	Year 2 (2017-18) Amount (Rs. In lakh)	Year 3 (2018-19) Amount (Rs. In lakh)
STEMI Network Management				
Non-recurring Cost				
1.	<p>a. Multipara Monitors with ECG streaming facility in the ambulances-10 per District (320 monitors 32 Districts)</p> <p>b. Monitors for HUB Hospitals</p> <ul style="list-style-type: none"> • 3 monitors for one HUB Hospital. • 36 Monitors for 12 HUB Hospitals. <p>Monitors for Spoke Hospitals</p> <ul style="list-style-type: none"> • 5 Spokes Hospital per District. • 160 Monitors for 160 Spokes Hospital in 32 Districts. <p>Price of one Monitor machine is Rs.75,000/-</p> <p>For 516 (320+36+160) monitors = 387 Lakh</p>	387.00		
2	Creation of a State level Registry Development of Software etc.	2.00	0	
Total Non-recurring Cost		389.00	0	0
Recurring Cost				
1	<p>Training and Capacity building</p> <p>STEMI protocol Rs. 50000 per District = 32*50000 =1600000</p> <p>EMT s of 108 ambulance service</p>	16	16	16

2	STEMI NETWORK MANAGEMENT			
	A. State Level –			
	Central Emergency Centre Unit for Management of STEMI Network	62.4	62.4	62.4
	B. HUB hospital Control unit with console facility 24 x 7 in house STEMI Coordinator, Staff etc, incentives Per centre 1,00,000/- per annum for 12 HUBs	12	12	12
3	Quality Assurance programme	5	5	5
4	Information Education Communication, Protocol - printing, display, training	100	100	50
	Total recurring cost	195.4	195.4	145.4
	Total	584.4	195.4	145.4
	GRAND TOTAL			925.2

J. RADHAKRISHNAN
SECRETARY TO GOVERNMENT

//True Copy//

N. Latha
SECTION OFFICER

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