



ABSTRACT

National Health Mission – Tamil Nadu – Establishment of Genetic Mutation Screening Centre for Thalassemia Children at Institute of Child Health and Hospital for Children, Chennai - Orders - Issued.

Health and Family Welfare (EAP II-1) Department

G.O(Ms) No.510

Dated : 16.11.2021
Pilava, Aippasi - 30
Thiruvalluvar Aandu 2052

Read:

From the Mission Director, National Health Mission, letter
Ref. No.2498/NHM/P8/2016, Dated 19.07.2021 and 26.08.2021.

ORDER:

The Mission Director, National Health Mission in his letter read above, has stated that, Antenatal screening and prenatal diagnosis are the ultimate steps in the prevention of Hemoglobinopathies. In the initial phase, it has been decided to outsource these tests. However it is decided that genetic testing should be carried out in the Government setup in the long run for its cost effectiveness and to serve the poor patients. Institute of Child Health and Hospital for Children, Chennai is the nodal Centre for Prevention and Control of Hemoglobinopathies and conducts regular workshops to train field workers. Institute of Child Health and Hospital for Children is also the Nodal Centre for diagnosis of Genetic diseases and disorders and it has a well established Genetic Department. Since Institute of Child Health and Hospital for Children has a molecular lab, it is ideal to start the genetic studies at the above said Institution. He has also stated that, the Pathology Department at Institute of Child Health and Hospital for Children already has PCR and qPCR instruments donated by the Japan Government under the Tamil Nadu Urban Healthcare project / others. The program will also help in increasing the available knowledge on the genetic mutations in Thalassemia among the population and will also give opportunities for operational and academic research.

2. The Mission Director, National Health Mission has also furnished the details of Recurring and Non-Recurring cost involved for the establishment of Genetic Lab and requested the Government for the establishment of Genetic Lab as follows:-

Sl.No.	Molecular pathology Expenditure	Amount (in Rs.)
1.	Non Recurring Cost	53,10,000/-
2.	Recurring Cost	46,90,000/-
	Total	1,00,00,000/-

The above proposal has been included in PIP 2021-22 and the same was approved by the Government of India in ROP 2021-22 under FMR Code 18.1.4. The Mission Director, National Health Mission has further stated that, the same has also been approved by the 41st Executive Committee Meeting of National Health Mission, Tamil Nadu.

3. The Government after careful consideration have decided to accept the above proposal of the Mission Director, National Health Mission and issue orders on the following:-

- i. The Mission Director, National Health Mission is permitted to establish "Genetic Mutation Screening Centre" for Thalassemia Children in Pathology Department of Institute of Child Health and Hospital for Children, Chennai.
- ii. The Mission Director, National Health Mission is permitted to release the fund for a sum of Rs.100 Lakhs approved in RoP 2021-22 under the FMR Code 18.1.4 to the Director, Institute of Child Health and Hospital for Children, Chennai as detailed in the annexure to this order.

4. This order issues with the concurrence of the Finance Department vide its U.O.No.36857/Health-I/2021, dated:13.10.2021.

(BY ORDER OF THE GOVERNOR)

J.RADHAKRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT

To

- ✓ The Mission Director, National Health Mission, Chennai – 6 (w.e)
- The Director of Medical Education, Chennai-10 (w.e),
- The Director, Institute of Child Health and Hospital for Children, Chennai -8
(Thro, the Director of Medical Education, Chennai-10).
- The Pay and Accounts Officer, Chennai-35
- Copy to:
- The Special Personal Assistant to Hon'ble Minister (Health and Family Welfare),
Chennai-9.
- The Section Officer, Health and Family Welfare (Data Cell) Department, Chennai-9.
- Stock file/Spare copy.

//Forwarded by Order//

16.11.2021
22/11/2021
SECTION OFFICER
DB

Annexure

(G.O.(Ms)No.510, Health and Family Welfare (EAP II-1) Department,
dated: 16.11.2021)

1. Non recurring Cost:

a) Requirements for infrastructure		
1	Funding for Molecular room expansion civil work	Rs.19,10,000/-
2	Funding for Molecular room expansion electrical work	Rs.10,00,000/-
	TOTAL	Rs.29,10,000/-

b) Requirements for Equipment			Total Cost
1.	Electrophoresis unit with gel documentation unit		Rs.2,00,000/-
2.	Micro centrifuge -- with coolant (12000RPM)		Rs.6,00,000/-
3.	CO2 incubator	2	Rs.6,00,000/-
4.	Micro Centrifuge 6000 RPM	1	
5.	Digitalized water bath	1	
6.	Slide warmer	1	
7.	Table top spinner (6000RPM)	1	
8.	Autoclave unit	1	
9.	Eppendorf Pipette 3 ranges	2	
	A. 10 micro litre	2	
	B. 100-200 micro liter	2	
	C. 1000 microlitre	2	
	D. 0.2 to 2.5 microliter	2	
	E. Multichannel pipette	1	
10.	Microwave oven	1	
11.	Hot plate with magnetic stirrer	1	
12.	Nano drop	1	
13.	Thermo mixer	1	
14.	Double distillation unit		Rs.24,00,000/-
	TOTAL		Rs.53,10,000/-
	Total Non-Recurring Cost		

2. Recurring Cost**a) Consumable cost**

Sl.No.	Requirements	Total cost / year
1.	Consumables cost for Molecular testing per year for 120 patients (12 patients / Month) and carrier testing	Rs.30,00,000/-
	Total	Rs.30,00,000/-

b) Budget recurring manpower cost

Sl.No.	Molecular biologist-salary	Qualification	Mode of appointment	Total cost / year
1.	Senior Scientist-Molecular Biologist (60,000/ Month)	PhD in Biotech / Genetics with 5 years	Contract by Director ICH.	Rs.7,20,000/-
2.	Junior Scientist-Molecular Biologist (40,000/ Month)	PhD in Biotech / Genetics	Contract by Director ICH.	Rs.4,80,000/-
3.	Laboratory Technician - 2 Nos. (20,000/ Month)	DMLT with Computer Knowledge	Contract by Director ICH.	Rs.4,80,000/-
	Total			Rs.16,90,000/-
	Total Recurring cost:			Rs.46,90,000/-

J.RADHAKRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT

//True Copy//

[Signature]
22/11/2021
SECTION OFFICER
(98)