



ABSTRACT

National Health Mission – Establishment of Paediatric Bone Marrow Transplantation Unit for Children in the Institute of Child Health and Hospital for Children, Egmore, Chennai at a cost of Rs.255.50 lakhs with required Human Resources – Administrative sanction - Orders- issued.

Health and Family Welfare (EAP II-2) Department

G.O(Ms) No.89

Dated : 07.03.2022

Pilava, Maasi - 23

Thiruvalluvar Aandu 2053

Read:

From the Mission Director, National Health Mission letter Ref.No.2498/NHM/P8/16, dated. 19.07.2021.

ORDER:

During the Assembly Session 2021 - 2022, the Hon'ble Minister for Health and Family Welfare has made the following announcement in the Floor of the Tamil Nadu Legislative Assembly (Announcement No.46):-

"பிரதீபேக இரத்தம் மற்றும் எலும்பு மஜ்ஜை மாற்று அலகு சிகிச்சை மையம் (Paediatric Bone Marrow Transplant Unit) சென்னை எழும்பூர் அரசு சிறார் நல நிலையம் மற்றும் குழந்தைகள் நல மருத்துவமனையில் ரூபாய் 2.56 கோடி செலவில் அமைக்கப்படும்".

2. The Mission Director, National Health Mission has stated that, the Hematopoietic Stem Cell Transplant (HSCT), commonly called Bone Marrow Transplantation (BMT) is the only curative therapy for Hemoglobinopathies such as Thalassemia Major, Sickle Cell Anemia, Malignancies such as Acute Lymphoblastic Leukemia, Hodgkins' Lymphoma, other Solid tumors and Non – Malignant diseases such as Fanconi's Anemia (FA), Severe Combined Immunodeficiency (SCID), Chronic Granulomatous Disease (CGD) and storage Disorders. Hence, the Director, Institute of Child Health and Hospital for Children has submitted a proposal to establish Bone Marrow Transplantation unit in the Institute of Child Health and Hospital for Children, Chennai as it is the Nodal Centre for Hemoglobinopathy project of National Health Mission and though it is a Tertiary Care Centre, the patients requiring Bone Marrow Transplantation are referred to other institutions due to non availability of this particular facility in the institution. Creating Paediatric Blood and Marrow Transplant unit in Institute of Child Health and Hospital for Children, Egmore, Chennai will be a pioneering initiative since such a stand alone facility for children is non-existent in India. Further, it will be financially viable and sustainable for the Government as currently, the State Government, through the Chief Minister Comprehensive Health Insurance Scheme (CMCHIS) is spending to the tune of Rs.10,00,000/- for a child's allogenic matched family donor transplant and Rs. 17,00,000/- for a matched unrelated donor transplant. Haplo-identical transplants which are often carried out in private Hospital facilities in Tamil Nadu, cost Rs.25 to 35 Lakhs per transplant, the remaining difference of amount approximately around

Rs.15.00 Lakhs has to be spent by the poor people who cannot afford this huge expenditure. In the long run, this centre would evolve as a referral centre not only for the State but also for patients from nearby States but also providing a scope for medical tourism in the Government sector.

3. The Mission Director, National Health Mission has furnished the abstract of Paediatric Hemoglobinopathies and Hemato Oncological Conditions per year as follows:-

S. No.	Name of the Hemoglobinopathies & Hemato – Oncological conditions – Non – Malignant diseases	Total cases per Year	Total cases for Bone Marrow Transplant procedure per year
1	Thalassemia/ Sickle Cell Anemia	150	10
2	Leukaemia (ALL, AML, HL, NHL, CML, MDS, HLH, etc.)	150	20
3	PID/ Storage Disorders	60	10
4	Severe aplastic Anemia/	10	5
5	Fanconic Anemia	60	5

He has further stated that, out of the 50 cases, 10-12 children underwent Bone Marrow Transplantation procedure in Private facilities. Remaining 40 children are chronic and in fatal situation even though they have matched sibling donors available but the treatment is financially inaccessible. A total of 30% of matched sibling donors are available in our State as mostly due to consanguineous marriages and in some cases both the parents are also matched for donor. Matched Unrelated Donor (MUD) and Haplo Bone Marrow Transplantation Donors are readily available for poor children as the treatment is financially inaccessible in the Private sector which costs separately Rs.5-7 Lakhs for Matched Unrelated Donor registry in addition to the treatment cost for Bone Marrow Transplantation being Rs 25.00 Lakhs. Hence, it is necessary to establish the PAEDIATRIC BONE MARROW TRANSPLANT unit exclusively for the needy children belonging to the State and beneficiaries from neighbouring states like Andhra Pradesh, Karnataka, Pondicherry and Kerala. Qualified Doctors/Specialist are available to perform in Institute of Child Health and Hospital for Children, Chennai. The cost required for the establishment of Bone Marrow in Institute of Child Health and Hospital for Children is given as follows

S.No	Components	Total Cost (in Rs)
I	Building construction with infrastructure	2,55,50,000
II	Equipments	1,75,80,000
III	Drugs and support supplies	1,25,25,000
IV	Total Recurring Expenditure	18,12,000
V	Professional Support & DATA storage (BMT plus software)	16,00,000
	Total Project cost	5,90,67,000

Initially for the activity, 50% of infrastructure cost amounting to Rs.1,27,75,000 and for 6. Nos of Staff Nurses was proposed in PIP 2021-2022 and the same has been approved by the Government of India in RoP 2021-22 under the FMR Code 5.3.18 and 8.1.1.2 respectively.

4. The Mission Director, National Health Mission has further stated that, as per the directions issued in the G.O.(Ms)No.400, Health and Family Welfare Department, dated:

16.12.2014 out of 6 posts of Staff Nurses, 2 posts of Staff Nurses are created in the Time Scale for same Institution (ICH&HC, Chennai) with Minimum pay of Rs 36,000/- (Level 14 – Rs 36,000/- to Rs.1,14,000/-). He has stated that, the above proposal was approved by the 41st Executive Committee of National Health Mission, Tamil Nadu and requested the Government to issue necessary orders.

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

- i. The Mission Director, National Health Mission is permitted to establish Paediatric Bone Marrow Transplant Unit for children in the Institute of Child Health and Hospital for Children, Egmore, Chennai at a cost of Rs.255.50 Lakhs.
- ii. The Mission Director, National Health Mission is directed to remit the approved fund in RoP 2021-2022 for a sum of Rs.127.75 Lakhs (50% of the total cost) into Government account for the construction involved in this proposal.
- iii. Sanction is accorded for creation of the following posts to the Pediatric Bone Marrow Transplant Unit for children in the Institute of Child Health and Hospital for Children, Egmore, Chennai.

Sl. No.	Category	No. of posts	Mode of Appointment	Pay particulars
1	Staff Nurse - Regular	2	Through MRB	Rs.36,000/- (Level 14- Rs.36,000/- to Rs.1,14,000/-)
2	Staff Nurse-Contract	4	As per the NHM norms.	Rs.14,000/- Per month / person

- ii. The Mission Director, National Health Mission is permitted to propose the balance funds required and other components like equipment, drugs, additional Human Resources and recurring costs essential for Bone Marrow Transplant in the subsequent PIPs.

6. This order issues with concurrence of the Finance Department, vide its U.O.No.9790/Health-I/2022, dated: 4.03.2022 PSL No.202203 PSL 0128.

(BY ORDER OF THE GOVERNOR)

J.RADHAKRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT

To

The Mission Director, National Health Mission, Chennai-6.

The Director of Medical Education, Chennai -10.

The Director, Institute of Child Health and Hospital for Children, Chennai – 8

(Through the Director of Medical Education, Chennai-10)

The Pay and Accounts Officer (A&E), Chennai-600 018

The Accountant General, Chennai-18.

The Pay and Accounts Officer, concerned.

Copy to

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

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

Stock file/Spare copy.

//Forwarded by Order//

[Signature]
8/3/2022
SECTION OFFICER