



## **ABSTRACT**

National Health Mission – Tamil Nadu – Tamil Nadu Innovation Initiatives 2018-19 (Round II) – Reduction of IMR-Salvaging Preterm/VLBW neonates - Administration of Pneumococcal conjugate vaccine to preterm Very low Birth Weight (VLBW) babies discharged from Special Newborn Care Units – Sanctioned orders - Issued.

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### **Health and Family Welfare (EAP II-2) Department**

G.O(Ms) No.92

Dated :07.03.2019  
Vilambi, Maasi - 23  
Thiruvalluvar Aandu 2050

Read:

From the Mission Director, National Health Mission, Ref.No.511 / NHM / P9 / 2019,, Dated:11.02.2019.

### **ORDER:**

In letter read above, the Mission Director, National Health Mission has stated that the Pneumonia causes about three million deaths a year in young children, nearly all of which are in developing countries. Streptococcus pneumoniae (the Pneumococcus) is the most important bacterial cause of pneumonia in young children and so is likely to be responsible for a high proportion of these deaths. The Pneumococcus is also responsible for a substantial proportion of the 1,00,000 – 5,00,000 deaths that occur from meningitis in children each year. The incidence of invasive pneumococcal disease in children in the developing world is several times higher than in industrialized countries.

2. The Mission Director, National Health Mission has also stated that the pneumococcal disease is caused by bacteria called Streptococcus pneumoniae. Pneumococcal bacteria spread by close contact and through coughing and sneezing. Serious diseases including pneumonia and meningitis can develop within days of infection. Symptoms of pneumococcal pneumonia usually include fever and chills, cough, shortness of breath, rapid breathing, rapid heart rate, fatigue, and weakness. Children under the age of 2 are at a higher risk for getting invasive pneumococcal diseases because their immune systems aren't fully developed especially those who are born Preterm and low birth weight. Preterm and low birth infant have a higher vulnerability 10 times more than their term counterparts.

3. The Mission Director, National Health Mission has also stated that the pneumococci that are resistant to penicillin are becoming prevalent in many countries, necessitating a change to more costly antibiotics. The spread of antibiotic resistance has provided an added stimulus to the development of vaccines that might be able to prevent pneumococcal disease in infants. Recently developed polysaccharide-protein conjugate vaccines show promise and are now undergoing field trials. Before the vaccine was introduced pneumococcal infections caused more than 700 cases of meningitis, 13,000 blood infections, and 5 million ear infections in children younger 5 every year, according to the U.S. Centers for Disease Control (CDC)

4. The Mission Director, National Health Mission has also stated that the pneumococcal conjugate vaccine (PCV) has been used since 2010 to protect against most strains of pneumococcal bacteria. The vaccine effectively prevents the disease in up to 90 percent of people who get immunized. Post vaccination studies in US, UK, Iraq and other countries have shown a significant reduction in the disease burden attributable to streptococcus pneumonia more so the invasive diseases which include meningitis, septicemia and pneumonia.

#### Schedule recommended

Time	Dose
6 weeks	First dose
10 weeks	Second dose
14 weeks	Third dose
15 Months	Booster dose

5. The Mission Director, National Health Mission has also stated that as per last year (2017-18) data of Tamil Nadu Special Newborn Care Units, 6360 babies have been admitted below 1500 gm out of which 3476 have been saved (54.65%). This number is likely to increase this year with more investment in infrastructure, HR and training. Our post-neonatal mortality due to pneumonia is 17%. Hence at least all the preterm/Very Low Birth Weight survivors require immunization with pneumococcal vaccine to prevent further morbidity and mortality after discharge. So far this vaccine has not been provided for the Very Low Birth Weight babies in Government Special Newborn Care Units. Hence a proposal for administration of Pneumococcal conjugate vaccine to preterm Very low Birth Weight (VLBW) babies discharged from Special Newborn Care Units was included in the Tamil Nadu Innovation Initiatives 2018-19 Round II and has been approved.

6. The Mission Director, National Health Mission has further stated that, after having discussion, the State Planning Commission has recommended this proposal for funding under Tamil Nadu Innovation Initiatives for one year at Rs.401.48 lakhs as this is for introduction of new protocol of vaccination, subject to acceptance of the Department of Public Health and Preventive Medicine to implement the scheme in the further years through Government of India funding or Drug Budget of the State. Further, it was instructed to ensure the sustainability of the scheme.

#### Budget required:

No. of Very Low Birth Weight newborn discharged alive in the past 1 year (2017-18)	3476
Approx. cost per dose of vaccine	Rs.3500
Cost for 3 doses	Rs.10500
Total cost required for 1 year (2018-19) ( 10 % excess admissions expected in 2018-19) (3476 babies + 10% of 3476) x Rs.3500 = Rs.401.48 lakhs	Rs. 401.48 lakhs

7. The Mission Director, National Health Mission has therefore requested to issue necessary orders in this regard.

8. 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. The Mission Director, National Health Mission is permitted to implement the activity of administration of Pneumococcal conjugate vaccine to preterm Very low Birth Weight (VLBW) babies discharged from Special Newborn Care Units in all districts through Tamil Nadu Innovation Initiatives funds from the State Planning Commission.
- ii. Sanction is accorded for an amount of Rs. 401.48 (Rupees Four crore one lakh forty eight thousand only) towards procurement and administration of Pneumococcal conjugate vaccine to preterm Very low Birth Weight (VLBW) babies discharged from Special Newborn Care Units from State Planning Commission- Tamil Nadu Innovation Initiatives funds.
- iii. The Mission Director, National Health Mission is permitted to procure the Pneumococcal conjugate vaccine through Tamil Nadu Medical Service Corporation and administer at the Special Newborn Care Units (SNCUs) through SNCU concerned.

9. The amount sanctioned in para 8 (ii) above shall be met from the State innovation fund and debited to the following head of account:

"2210-Medical and Public Health – 01 Urban Health Services – Allopathy – 110 Hospital and Dispensaries – State's Expenditure - EO Reduction of IMR – Salvaging preterm / VLBW neonates under State Innovation Fund – 66 Medicine" Rs.401.48 Lakh (DPC 2210 01 110 EO 66 08)

The above expenditure shall be adjusted by deducting under the following head of account.

"2210-Medical and Public Health – 01 Urban Health Services – Allopathy – 902. Deduct Amount met from State Innovation Fund – State's Expenditure – JB. Deduct – Amount met from State Innovation Fund – 30. Inter – Account Transfers" (D.P.Code:2210-01-902-JB-3005)

By contra debiting from

"J.Reserve Fund – (b) Reserve Funds not bearing Interest – 8229-00.Development and Welfare Funds – 200. Other Development and Welfare Funds – BE. State Innovation Fund.

(D.P.Code.8229-00-200 BE-0006) (Outgo)

10. The Project Director, Reproductive Child Health Project is directed that the amount sanctioned in para 8 (ii) shall not be paid in cash but credited to the following Personal Deposit Account of Tamil Nadu Medical Services Corporation Limited:

"K Deposit and Advances (b) Deposits not bearing interest – 8443.00 – Civil Deposit – 800 – Other Deposits – CE Deposits of Tamil Nadu Medical Service Corporation Limited"

(DPC 8443 00 800 CE 000H) (Receipts)

11. Necessary funds have been provided in First Supplementary Estimates 2018-2019.

12. This order issued with the concurrence of Finance Department vide its U.O.No.26/DS(MA) Finance(Health-I) /2019, Dated:04.03.2019.

**(BY ORDER OF THE GOVERNOR)**

**BEELA RAJESH  
SECRETARY TO GOVERNMENT**

**To**

The Mission Director, State Health Society, Chennai-6.

The Managing Director, Tamil Nadu Medical Services Corporation, Chennai-8.

The Director of Medical and Rural Health Service, Chennai-6.

The Pay and Accounts Officer (South), Chennai-35.

The Principal Accountant General (A&E), Chennai-18 (2 copies)

The Principal Accountant General (Audit-I), Chennai-18.

Cop to:

The Finance (Health-II/BG-II) Department, Chennai-9.

Health and Family Welfare (P) Department Data Cell/SF /SC

**//Forwarded by Order//**

  
7.3.19  
**SECTION OFFICER**