

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1495
ANSWERED ON 13.02.2025**

NATIONAL SMART GRID MISSION

**1495. SHRI SELVAM G:
SHRI C N ANNADURAI:**

**Will the Minister of POWER
be pleased to state:**

- (a) the details of the key objectives of the National Smart Grid Mission (NSGM) and its alignment with India's vision for a modernized and efficient power sector;**
- (b) whether the Government outline the specific components and technologies involved in the said Mission, such as smart meters, energy storage and demand response systems and if so, the details thereof;**
- (c) the details of the current status of NSGM implementation across the country including Tamil Nadu;**
- (d) the details of the challenges being faced in the implementation of the said Mission, if any, along with the steps being taken to address these challenges;**
- (e) the funds allocated/utilised by the Government for the said Mission so far;**
- (f) the details of the total number of smart consumer meters sanctioned and awarded, specifically for the State of Tamil Nadu under the said Mission; and**
- (g) the details of the number of smart consumer meters deployed in the said districts till date under the said mission?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) to (g) : National Smart Grid Mission (NSGM) was established by Government of India (GoI) in 2015 with an objective to plan and monitor the implementation of policies and programs related to Smart Grids in India. NSGM was implemented through NSGM Project Management Unit (NPMU). The scheme stands closed on 31.03.2024.

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The key components of the mission were assistance in formulation of projects including pre-feasibility studies, project appraisal, funding to projects, training and Capacity Building. NSGM contributed to development of Smart Metering ecosystem with indigenous smart meter standard IS16444 and companion standard IS 15959 and Advanced Metering Infrastructure Service Provider (AMISP) bid documents for Capital Expenditure (CAPEX) and Design Build Finance Own Operate Transfer (DBFOOT) models.

Under NSGM, Smart Meter projects were implemented using Advanced Metering Infrastructure (AMI) technology which included Smart Metering, Head End System, Meter Data Management System (MDMS) with multiple communication technologies viz. General packet radio service (GPRS)/Radio Frequency (RF) and Power Line Carrier (PLC) etc.

Under NSGM, 1,45,343 smart meters were successfully installed in the State of Rajasthan and 24,214 smart meters in Chandigarh. No project was sanctioned under NSGM for the State of Tamil Nadu.

AMI, being new technology, there were challenges in availability of sufficient skilled manpower. However, Ministry of Power facilitated capacity building through institutions like Smart Grid Knowledge Centre (SGKC), Manesar to train utility professionals. Around, 475 professionals were trained under NSGM.

Out of the allocation of Rs.155.67 Cr., a total of Rs.72.27 Cr. has been released under NSGM.
