

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1748
ANSWERED ON 03.08.2026

STATUS OF POWER UPGRADATION PROJECTS IN ASSAM

1748 SHRI PRAMOD BORO:

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

- (a) whether the central Government is aware of the frequent power outages and voltage drops in the State of Assam during peak-demand seasons, particularly in lower Assam, caused by congestion on aging 132 kV transmission networks and deteriorated tower hardware;
- (b) if so, steps taken for the upgradation of power transmission corridor projects in the State, including the ₹ 4,000 crore grid upgrade initiative and financial aid from institutions like the Asian Infrastructure Investment Bank (AIIB); and
- (c) whether any specific timelines been set for the completion of establishment of new substations and the transition to high-capacity High Temperature Low Sag conductors?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): Ministry of Power regularly reviews the power supply position of the country including State of Assam. In the recent past, during periods of peak electricity demand, certain parts of the Intra-State Transmission System (InSTS) in Assam have experienced operational constraints. The constraints are attributable to increased loading on some existing 132 kV transmission corridors. The State Transmission Utility (STU), Assam Electricity Grid Corporation Limited (AEGCL), undertakes continuous monitoring of the transmission network and carries out preventive maintenance, replacement of deteriorated line hardware and system strengthening works to maintain reliable power supply.

(b): AEGCL has recently commissioned the 220/33kV, 2X100MVA GIS (Gas Insulated Substation) at Chayygaon and its associated lines. Further, the transformation capacities have also been augmented at locations Nalbari, Narengi, Kahilipara, Rangia, Kukurmara, Boko, Barnagar, Agia, Gauripur and Sarusajai.

Additionally, Government of Assam, through Assam Electricity Grid Corporation Limited (AEGCL), is implementing the Assam Intra-State Transmission System Enhancement Project (AISTSEP) with financial assistance from the Asian Infrastructure Investment Bank (AIIB). The project envisages strengthening of the State transmission network through construction of new Extra High Voltage (EHV) substations, associated transmission lines, augmentation of transformation capacity and modernization of the transmission system.

The project is being implemented in phased manner as detailed below:

I. AISTSEP Phase-I (Under implementation)

- (i) 220/132 kV Gossaigaon (Agomoni) Gas Insulated Substation (GIS) along with its associated transmission lines is under implementation and is expected to be completed by September 2026,
- (ii) 400/220/132/33 kV Rangia GIS along with its associated 400 kV, 220 kV and 132 kV transmission lines
- (iii) 400/220 kV Sonapur GIS alongwith its associated 400 kV transmission lines.

Upon completion, these strategically located EHV substations and transmission corridors will substantially enhance the transmission infrastructure of Assam by increasing transformation capacity, strengthening the backbone transmission network, improving power transfer capability, providing operational flexibility and improving the voltage profile.

II. AISTSEP Phase-II (Planned):

Government of Assam/AEGCL has taken up work for expansion and strengthening of the Intra-State transmission network including implementing a 132 kV Grid Substation at Serfanguri near Kokrajhar with a transformation capacity of 2×50 MVA, along with the associated transmission network, which is intended to strengthen the power infrastructure, improve voltage regulation and enhance the reliability of electricity supply in the Kokrajhar and adjoining areas of lower Assam.

(c): The works under AISTSEP Phase-I are targeted for completion by April 2027, subject to timely availability of statutory clearances, right-of-way, forest clearances and major equipment. The works under AISTSEP Phase-II are targeted to be completed by April 2030.

Further, the “Intra-State Transmission resource adequacy plan of Assam by the year 2034-35” has been prepared by CEA in consultation with Government of Assam, Central Transmission Utility of India Limited (CTUIL) and Grid-India. A total of 15,280 MVA transformation capacity addition / augmentation and 4,097 ckm of new transmission lines and 623 ckm reconductoring of old lines with High Temperature Low Sag (HTLS) / Restraining would be required for the intra-state transmission network for meeting the electricity demand of the state by the year 2034-35.
