

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1636
ANSWERED ON 30/07/2025

GREEN ENERGY CORRIDOR-PHASE II IN TAMIL NADU

1636. SHRI S JAGATHRATCHAKAN

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) Whether the Union Government has reviewed the progress of the Green Energy Corridor (GEC) Phase-II in Tamil Nadu to enhance renewable energy transmission and if so, the details thereof;
- (b) the details of funds allocated and infrastructure developed under GEC Phase-II in Tamil Nadu;
- (c) whether Tamil Nadu's renewable energy capacity has been adequately integrated into the national grid and if so, the details thereof; and
- (d) the steps taken by the Government to address transmission bottlenecks in southern States like Tamil Nadu?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The Union Government is closely monitoring the implementation of the Green Energy Corridor (GEC) Phase-II including Tamil Nadu. Central Electricity Authority (CEA) is entrusted with monitoring of the projects and to ensure that the projects follow all the norms (including safety standards) prescribed by Central Government and State Government. All the State Transmission Utilities (STUs) submit monthly progress report to MNRE.

Additionally, MNRE is reviewing the progress through Project Appraisal Committee (PAC) meetings with respective state officials to assess the challenges and accelerate implementation.

(b) Under Green Energy Corridor (GEC) Phase-II, a project has been sanctioned to Tamil Nadu for evacuation of approximately 4000 MW renewable energy capacity. The project includes construction of 624 circuit kilometres (ckm) of transmission lines and 2200 MVA substation capacity. The total estimated project cost is ₹719.76 crore, with Central Financial Assistance (CFA) of 33% of the project cost. Tamil Nadu Transmission Corporation Limited (TANTRANSCO) is the implementing agency for the project and has divided the project into 9 packages.

(c)&(d) Details of total installed renewable energy capacity (including grid connected) as on 30.06.2025 in the state of Tamil Nadu is as under:

(In MW)

Small Hydro Power	Wind Power	Bio Power	Solar Power	Large Hydro	Total
123.05	11830.37	1046.62	10570.88	2178.2	25749.12

The State of Tamil Nadu is well connected with National Grid through high capacity transmission corridors comprising 765kV & 400kV lines as well as ±800kV HVDC System which facilitates smooth transfer of power through Inter State Transmission System (ISTS) network between Tamil Nadu and other States/Region. Power transfer capacities are being strengthened on a continual basis to address changed power transfer scenarios as and when the requirement arises, with reliability & security.
