

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1611
ANSWERED ON 29.07.2026

GREEN ENERGY CORRIDOR IN KARNATAKA

1611. DR. K SUDHAKAR:

SHRI ANURAG SINGH THAKUR:

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

- (a) The current status of pending intra-State Green Energy Corridor Phase-I and Phase-II transmission components in Karnataka and Himachal Pradesh which are among the States facing delays primarily due to Right-of-Way (RoW) issues in difficult mountainous terrain forest clearance and land acquisition issues along with the steps taken including Central intervention and financial support to expedite their completion;
- (b) the details of the integration plan for Pumped Storage Projects (PSPs) being developed by Karnataka Power Corporation Limited (KPCL), Satluj Jal Vidyut Nigam Limited (SJVN), National Hydroelectric Power Corporation Limited (NHPC) and National Thermal Power Corporation Limited (NTPC) and other developers in the said States with the Pumped Storage capacity targets envisaged under the National Electricity Plan for 2029-30;
- (c) whether the Government proposes to prepare a dedicated transmission master plan for Himachal Pradesh and Karnataka considering its seismic vulnerability, recurring flood-induced damage and high maintenance requirements and rapid renewable energy expansion in Koppal, Ballari, Vijayapura, Gadag and Raichur rising grid congestion and the need for additional evacuation infrastructure respectively and if so, the details thereof;
- (d) the present status of transmission infrastructure proposed through Himachal Pradesh for evacuation of power from the 13 GW Ladakh Renewable Energy project, including the expected timeline for its completion; and
- (e) the status, transmission capacity, estimated cost and expected timeline of high-capacity Inter-State Transmission System projects proposed for evacuation of renewable energy from Karnataka's Renewable Energy Zones?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER
(SHRI SHRIPAD YESSO NAIK)

- (a) Under the Intra-State Transmission System (InSTS) Green Energy Corridor (GEC) Phase-I scheme, all sanctioned projects have been completed in both Himachal Pradesh and Karnataka.

Under InSTS GEC Phase-II, 08 packages have been sanctioned to Himachal Pradesh for creation of transmission infrastructure for evacuation of 262 MW of renewable energy with Central Financial Assistance (CFA) of Rs. 237.52 crore. As on 30.06.2026, 03 packages have been tendered and awarded.

Under InSTS GEC Phase-II, 10 packages have been sanctioned to Karnataka for creation of transmission infrastructure for evacuation of 2,640 MW of renewable energy with Central Financial Assistance (CFA) of Rs. 341.96 crore. As on 30.06.2026, all 10 packages have been tendered and awarded.

(b) As per Central Electricity Authority (CEA), the following Pumped Storage Projects (PSPs) have been envisaged in National Electricity Plan for state of Karnataka:

- Saundatti PSP (1600 MW)-Integration plan includes power evacuation through Saundatti PSP-Gadag II Substation and Saundatti PSP- Dhoni Substation (Karnataka Power Transmission Company Limited).
- Shravathy PSP (2000 MW) (KPCL)- Integration plan includes power evacuation through the Intra-state transmission system of Karnataka.

(c) Details of the transmission system identified for integration and evacuation of RE power from Koppal, Ballari, Vijayapura and Gadag areas is provided at **Annexure-I**.

There is no separate dedicated transmission master plan exclusively on the basis of seismic or flood vulnerability, suitable engineering measures are incorporated during planning, design and implementation of transmission projects.

(d) In the Inter-State Green Energy Corridor Phase-II Scheme for 13 GW of RE evacuation project in Ladakh, Front End Engineering and Design study has been completed. 300 acres of land has been acquired at Leh by Power grid. A tender was floated under the competitive bidding mode. Only one bid has been received. The completion period for the scheme is up to financial year 2029 -30.

(e) The high-capacity Inter-State Transmission System (ISTS) projects in Karnataka have been implemented to integrate renewable energy (RE) generation across key zones like Tumkur, Koppal, Gadag, Bidar, Bijapur, Davanagere, and Bellary. Details are given at **Annexure-II**.

Annexure-I to Lok Sabha Unstarred Question No. 1611 to be replied on 29/07/2026

Details of ISTS transmission system identified for integration and evacuation of RE power from Koppal, Ballari, Vijayapura, Gadag and Raichur areas in Karnataka are as given below:

Sl. No.	Name of the Transmission Project
1.	Transmission Scheme for integration of Renewable Energy Zone (Phase-II) in Koppal-II (Phase-A) & (Phase-B) and Gadag-II (Phase- A) in Karnataka
2.	System strengthening at Koppal-II and Gadag-II for integration of RE generation projects
3.	Transmission Scheme for integration of Bijapur REZ in Karnataka
4.	Transmission Scheme for integration of Davanagere / Chitradurga REZ
	Transmission Scheme for integration of Bellary REZ
5.	Augmentation of transformation capacity by 2x500MVA (7 th & 8 th), 400/220kV ICTs at Tumkur (Pavagada) 400/220kV PS
6.	Transmission system strengthening for integration of additional RE potential at Davanagere (0.25 GW) and Bellary (2.75 GW)

Annexure-II to Lok Sabha Unstarred Question No. 1611 to be replied on 29/07/2026

The details of ISTS transmission system under implementation for integration of RE generations projects in Karnataka are as given below:

Sl. No.	Name of the Transmission Project
1.	Transmission System for Ultra Mega Solar Power Park at Tumkur, Karnataka (Phase-I & Phase-II)
2.	Augmentation of Transformation Capacity by 1x500 MVA, 400/220kV ICT (6 th) and common facility works at Pavagada (Tumkur) PS
3.	Evacuation of power from RE sources in Koppal Wind Energy Zone (Karnataka) (2500MW)
4.	Augmentation of transformation capacity by 1x500 MVA, 400/220kV ICT (6 th) at 400/220kV Koppal PS in Karnataka
5.	Transmission Scheme for Solar Energy Zone in Gadag (1000 MW & 1500 MW), Karnataka-Part A: Phase-I & Phase-II
6.	Augmentation of 1x500 MVA (6 th), 400/220 kV transformation capacity at Gadag PS in Karnataka
7.	ISTS Network Expansion scheme in Western Region & Southern Region for export of surplus power during high RE scenario in Southern Region
8.	Transmission Scheme for integration of Renewable Energy Zone (Phase-II) in Koppal-II (Phase-A) & (Phase-B) and Gadag-II (Phase- A) in Karnataka
9.	System strengthening at Koppal-II and Gadag-II for integration of RE generation projects
10.	Transmission Scheme for Solar Energy Zone in Bidar (2500 MW)
11.	Augmentation of transformation capacity by 3x500 MVA, 400/220kV ICTs (6 th - 8 th) and 1x1500 MVA, 765/400kV ICT (4 th) at Bidar PS
12.	Transmission Scheme for integration of Tumkur-II REZ in Karnataka (1.5 GW Solar)
13.	Transmission Scheme for integration of Bijapur REZ in Karnataka

Sl. No.	Name of the Transmission Project
14.	Transmission Scheme for integration of Davanagere / Chitradurga REZ
	Transmission Scheme for integration of Bellary REZ
15.	Transmission system strengthening at Davanagere for integration of RE generation
16.	Augmentation of transformation capacity by 2x500MVA (7 th & 8 th), 400/220kV ICTs at Tumkur (Pavagada) 400/220kV PS
17.	Augmentation of transformation capacity by 2x500 MVA (9 th & 10 th), 400/220 kV ICTs at Tumkur (Pavagada) 400/220 kV Pooling Station in Karnataka and Implementation of 1 Nos. of 220 kV line bay at Tumkur (Pavagada) 400/220 kV PS for providing Connectivity to RE generation project
18.	Inter-Regional Strengthening between SR Grid and WR Grid
19.	Transmission System for integration of additional RE capacity at Tumkur-II REZ (2.7 GW)
20.	Transmission system strengthening for integration of additional RE potential at Davanagere (0.25 GW) and Bellary (2.75 GW)
21.	Augmentation of transformation capacity by 1x500 MVA, 400/220 kV ICT (9 th) at Davanagare PS
