

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
STARRED QUESTION NO.559
TO BE ANSWERED ON 05.04.2018**

POWER GRID CONNECTIVITY

***559. SHRI K.N. RAMACHANDRAN:
SHRI PR. SENTHIL NATHAN:**

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

- (a) whether the Power Grid connectivity between the Southern Grid and the Power Grids of other regions are inadequate to meet the requirements of power transmission between Tamil Nadu and other States;**
- (b) if so, the details thereof;**
- (c) the steps taken by the Government to enhance the power Grid connectivity between Tamil Nadu and other States; and**
- (d) the steps taken by the Government to expedite the establishment of Green Corridor Grid in the country?**

A N S W E R

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER AND
NEW & RENEWABLE ENERGY**

(SHRI R. K. SINGH)

(a) to (d) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO.559 TO BE ANSWERED IN THE LOK SABHA ON 05.04.2018 REGARDING POWER GRID CONNECTIVITY.

(a) & (b) : The connectivity between the Southern Grid and Power Grids of other regions are adequate to meet the requirements of power transmission between Tamil Nadu and other States.

(c) : The Southern Region (SR) is connected with the North-East-West Region (NEWR) through various inter-regional AC links at 220kV, 400KV, 765kV level and HVDC link. With the commissioning of new transmission lines, the grid connectivity upstream and downstream of the main NEWR-SR corridor has further strengthened. The detail of inter-regional links between SR and NEWR is at Annex.

No congestion has been reported in Day Ahead Market (Power Exchanges) since September, 2017.

(d) : Green Energy Corridor (GEC) has been planned to facilitate integration of large scale renewable generation capacity in eight Renewable Energy resource rich States including Tamil Nadu. It includes strengthening of intra-State and inter-State transmission systems and establishment of Renewable Energy Management Centres (REMC).

The inter-State transmission system and REMCs are being implemented by POWERGRID. The project includes about approx. 3200 ckms line and Six Substations of total 18,000 MVA to be completed by May 2019. Part of the transmission system is commissioned and balance transmission scheme is under various stages of implementation. The intra-State transmission system is being implemented by the respective State Transmission Utilities (STUs).

The progress of the various schemes under GEC is regularly monitored by Central Electricity Authority/Ministry of Power.

ANNEX

**ANNEX REFERRED TO IN PART (c) OF THE STATEMENT LAID IN REPLY TO
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INTER-REGIONAL TRANSMISSION LINKS AND CAPACITY (MW)		
Sl. No.		Present Capacity (MW)
1.	Balimela-Upper Sileru 220kV S/c	130
2.	Gazuwaka HVDC back-to-back	1000
3.	Talcher-Kolar HVDC bipole	2500
4.	Angul – Srikakulum 765kV D/c	4200
5.	Chandrapur HVDC back-to-back	1000
6.	Kolhapur-Belgaum 220kV D/c	260
7.	Ponda – Nagajhari 220kV D/c	260
8.	Raichur - Solapur 765kV S/c line (PG)	2100
9.	Raichur - Solapur 765kV S/c line (Pvt. Sector)	2100
10.	Narendra - Kolhapur 765kV D/c (charged at 400kV)	2200
11.	Wardha - Nizamabad 765kV D/c line	4200
	TOTAL	19,950
