

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:4441
ANSWERED ON:20.12.2012
TRANSMISSION LINES
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Will the Minister of POWER be pleased to state:

- (a) the present capacity of transmission lines;
- (b) whether the Government plans to run these transmission lines in its full capacity;
- (c) if so, the details thereof;
- (d) whether the power surplus States are unable to supply surplus power to power deficit States due to constraints in interregional transmission corridors; and
- (e) if so, the details thereof and the steps being taken thereon?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER (SHRI JYOTIRADITYA M. SCINDIA)

(a) to (e) : The capacity of Transmission Lines as on 31-10-2012 was 265511 ckm at 220 kV and above voltage level, details of which are given in following table:

S.No. Voltage Level Capacity of
Transmission Lines
(ckm.)

1	220kV	138747
2	400kV	111114
3	765kV	6218
4	HVDC	9432

Total 265511

Transmission lines are planned and implemented as a part of the evacuation system from Inter-State Generation Stations (ISGS) and also as system strengthening projects. These lines are mainly used for delivery of shares from ISGS to their beneficiaries. These lines are also used for transfer of power from surplus to deficit states subject to availability of margins in these lines.

The supply/transfer of power between States/Regions take place based on the Power Purchase Agreements (PPAs)/Agreements signed between Generators/ Traders and States/Consumers. POWERGRID is responsible to develop the Inter-State Transmission System (ISTS) which is planned based on the Long Term Access (LTA) power requirement by the Generators/Traders/States/Consumers. At present, the cumulative Inter- regional power transfer capacity is adequate to meet all LTA power requirements.

Further, based on the margins available in the existing transmission system after meeting LTA power requirement, Open Access is granted under Medium Term or Short Term, which is sought by the Generators/Traders/States/Consumers for surplus power transfer. As per the present regulations, for Medium Term and Short Term, no new transmission system is required to be created.

Power transfer from other regions to meet the power shortage in SR is constrained as all the available inter-regional transmission lines are being utilized to its full capacity for delivering power to SR constituents under Long Term Access/Medium Term Open Access. There are no further margins available for additional power flow on these links under Short Term Open Access to meet the present shortage of power in SR.

The existing inter-regional transmission capacity is 27750 MW. This has enabled inter-regional energy exchanges of about 25,659 million units (MUs) during April-September 2012. This inter-regional capacity has been planned to be enhanced by 38400 MW during the 12th Five Year Plan period.