

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:4307
ANSWERED ON:19.05.2006
UPGRAGATION OF TRANSMISSION LINES
Jindal Shri Naveen

Will the Minister of POWER be pleased to state:

- (a) whether the Government proposes to upgrade the capacity of transmission lines in view of the large mega capacity planned in the next few years;
- (b) if so, the details thereof;
- (c) whether the existing inter-connection capacity of the various regional grids is likely to be upgraded;
- (d) if so, the time by which it is likely to be upgraded; and
- (e) if not, the reasons therefor?

Answer

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE)

(a) & (b) : Based on generation programme of about 34 GW addition during X Plan and about 68 GW during XI Plan and to meet an estimated demand of 157 GW by end of XI Plan i.e. by 2011-12, a number of Inter-State Transmission Schemes (ISTS) have been planned by Government of India. At present, about 63000 circuit km (ckm) of 400 kV lines are existing and the plan is to increase them to about 117000 ckm by 2011-12. One feature of the plan is to raise the existing highest level of AC transmission in India from 400 kV to 765 kV with construction and operation of 765 kV transmission system, to increase 765 kV transmission lines to 5200 ckm with transformation capacity of about 24500 MVA. Another feature of the plan is to increase the total length of HVDC bipoles from existing 5876 km to about 11000 km. Similarly, the intra-state transmission systems at 220 kV and 132/110 kV needs to be taken up by respective State Transmission Utilities, which would basically be for absorption of power from ISTS and for evacuation of power from local generating stations.

(c) to (e) : The existing inter-connection capacity of the various regional grids has been programmed to be upgraded. As of today, the total inter-regional transmission capacity of 220 kV and above level links is 9450 MW. The programme is to achieve inter-regional capacity of 16450 MW by the end of 10th Plan i.e. by 2006-07 and further upgrade it to 37150 MW by the end of the 11th Plan i.e. by 2011-12.