

Inter-Regional Transmission Capacity Existing and Programme during 10th Plan

At the end of the 9th Plan that is by year 2001-02, the inter-regional transmission capacity was 5050 MW.

The addition to the inter-regional transmission capacity during the year 2002-03, 2003-04 and 2004-05 had been 2500 MW, 1000 MW and 900 MW respectively. Thus by adding 4400 MW during first three years of 10th Plan, inter-regional transmission capacity of 9450 MW is existing by end of 2004 -05.

The programme for the years 2005-06 and 2006-07 is 2500 MW and 4500 MW respectively. Thus another 7000 MW is to be added during the remaining two years of the 10th Plan.

With this, a total of 11400 MW would be added to the inter-regional transmission capacity during the 10th Plan period (2002-07) that would take the total inter-regional transmission capacity in the country to 16450 MW by 2006-07.

Details in respect of the above is as following:

Name of System	Power Transfer Capacity (MW)		
	At the end of 9 th Plan i.e. end of 2001-02	Addition during 2002-07	At the end of 10 th Plan i.e. end of 2006-07
ER – SR :			
Gazuwaka HVDC back to back	500	500	1000
Balimela-Upper Sileru 220kV S/C	100		100
Talcher-Kolar HVDC Bipole		2000	2000
Upgradation of Talcher – Kolar HVDC Bipole		500	500
ER-SR total	600	3000	3600
ER –NR :			
Muzaffarpur - Gorakhpur 400kV D/C (Quad Moose) with series compensation		2000	2000
Dehri-Sahupuri 220kV S/C	100		100
Sasaram HVDC back to back		500	500
Biharshariff-Balia 400kV D/C (Quad Moose)		1200	1200
Patna-Balia 400kV D/C (Quad Moose)		1200	1200
ER-NR total	100	4900	5000
ER - WR :			
Rourkela-Raipur 400kV D/C (without series compensation)		1000	1000
TCSC on Rourkela-Raipur 400kV D/C		400	400
Budhipara-Korba 220kV D/C+S/C	400		400
Ranchi-Sipat 400kV D/C (40% Series Comp.)		1000	1000
ER-WR total	400	2400	2800
ER - NER :			
Birpara-Salakati 220kV D/C	250		250
Malda-Bongaigaon 400kV D/C	1000		1000
ER-NER total	1250		1250
NR - WR :			
Vindhychal HVDC back to back	500		500
Auria-Malanpur 220kV D/C	250		250
Kota-Ujjain 220kV D/C	250		250
Agra-Gwalior 765kV S/C line-1 400kV operation		1100	1100
NR-WR total	1000	1100	2100
WR-SR :			
Chandrapur HVDC back to back	1000		1000
Barsur-L.Sileru 200kV HVDC mono pole	200		200
Kolhapur-Belgaum 220kV D/C	250		250
Ponda – Nagajhari 220kV D/C	250		250
WR-SR total	1700		1700
TOTAL ALL INDIA	5050	11400	16450