Growth in HVDC Transmission System in India

During 11th Plan Period (2007-12)

HVDC Transmission Bipole, Back-to-back and Monopole lines and terminal station – Programmed for 11th Plan 2007-12

				As at the end of 10th Plan i.e. 3/2007	2007-08	2008-09	2009-10	2010-11	2011-12	As at the end of 11th Plan i.e. 3/2012
HVDC Bipole Line										
Chnadrapur-Padghe	± 500kV	MSEB	ckm	1504						1504
Rihand-Dadri	± 500kV	PGCIL	ckm	1634						1634
Talcher-Kolar	± 500kV	PGCIL	ckm	2738						2738
Balia-Bhiwadi	± 500kV	PGCIL	ckm	1800						1800
Biswanath-Agra	± 600kV	PGCIL	ckm	3600						3600
TOTAL				**5876**	**0**	**0**	**0**	**0**	**0**	**11276**
HVDC Bi-pole Transmission Capacity										
Chnadrapur-Padghe	bipole	MSEB	MW	1500						1500
Rihand-Dadri	bipole	PGCIL	MW	1500						1500
Talcher-Kolar	bipole	PGCIL	MW	2500						2500
Balia-Bhiwadi	bipole	PGCIL	MW			2500				2500
Biswanath-Agra	bipole	PGCIL	MW					4000		4000
TOTAL				**5500**	**0**	**2500**	**0**	**4000**	**0**	**12000**
HVDC Back-to-back Transmission Capacity										
Vindhachal	b-t-b	PGCIL	MW	500						500
Chandrapur	b-t-b	PGCIL	MW	1000						1000
Gazuwaka	b-t-b	PGCIL	MW	1000						1000
Sasaram	b-t-b	PGCIL	MW	500						500
TOTAL				**3000**	**0**	**0**	**0**	**0**	**0**	**3000**
HVDC Monopole Line										
Barsur-Lower Sileru	200kV	CSEB/ APTRANSCO	ckm	162						162
TOTAL				**162**	**0**	**0**	**0**	**0**	**0**	**162**
HVDC Mono-pole Transmission Capacity										
Barsur-Lower Sileru	monopole	CSEB/ APTRANSCO	MW	200						200
TOTAL				**200**	**0**	**0**	**0**	**0**	**0**	**200**