GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:834
ANSWERED ON:04.03.2005
POWER GRID
Murmu Shri Hemlal

Will the Minister of POWER be pleased to state:

(a) whether the Government propose to formulate a scheme to inter-link all the power grids with one another in the country;

(b) if so, the details thereof;

(c) the estimated expenditure likely to be incurred thereon;

(d) the sources of funds proposed to be mobilized; and

(e) the time by which the scheme is likely to be implemented?

Answer

THE MINISTER OF POWER (SHRI P.M. SAYEED)

(a) & (b) : A plan has been chalked out for development of a National Power Grid through integration of all the regional transmission systems in the country. The present inter-regional transmission capacity in the country is 9,500 MW which is likely to increase to over 30,000 MW by 2012. A list of the existing inter-regional transmission lines and those under construction/planned for completion by 2012 is at Annex.

(c) & (d) : An investment of around Rs. 70,000 crore has been envisaged in the Central sector in 10th and 11th Plans on intra-regional and inter-regional transmission lines for development of the National Power Grid. The required funds will be mobilized through internal resources of PGCIL, domestic loans and external commercial borrowings by PGCIL, budgetary support to PGCIL and investment from private sector.

(e) : Integration of regional grids is a continuing process. In addition to the inter- regional transmission lines which have been planned for completion upto 2012, more inter-regional and intra-regional links may be required depending upon the generation addition and power flow requirement.

ANNEX.
ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 834 TO BE ANSWERED IN THE LOK SABHA ON 04.03.2005.

EXISTING/PROPOSED INTER-REGIONAL TRANSMISSION CAPACITY (MW)

	Existing	By 2011-12	Total
EAST-NORTH			
Dehri-Sahupuri 220 kV S/c	150		150
Sasaram HVDC back-to-back	500		500
Muzaffarpur-Gorakhpur 400 kV D/c		2000	2000
Patna - Balia 400kV D/c		2000	2000
Biharshariff - Balia 400kV D/c		2000	2000
Barh - Balia 400kV D/c		2000	2000
North Karanpura - Balia 765kV S/c		2250	2250
132 KV inter-regional capacity- Rihand - Sonenagar 132kV D/c	50		50
Sub-total	700	10250	10950
EAST-WEST			
Budhipadar-Korba 220 kV 3 ckts.	450		450
Rourkela-Raipur 400 kV D/c	1400		1400
Rourkela-Raipur 400 kV D/c (2nd)		1400	1400
Ranchi -Sipat 400 kV D/c		1400	1400
N`Karanpura - WR Pooling point 765kV S/c		2250	2250
Sub-total			

	1850	5050	6900
WEST- NORTH			
Vindhyachal HVDC back-to-back	500		500
Auriya-Malanpur 220 KV D/c	200		200
Gwalier-Agra 765 kV S/c		1000	1000
Zerda-Kankroli 400 KV D/c		1000	1000
RAPP-Nagda 400 KV D/c		1000	1000
Gwalior-Agra 765 kV 2nd S/c		1000	1000
Ujjain - Kota 220 KV D/c	200		200
Sub-total	900	4000	4900
EAST- SOUTH			
Gazuwaka HVDC back-to-back	500		500
Balimela-Upper Sileru 220kV S/c	150		150
Talcher-Kolar HVDC bipole	2000		2000
Augmentation of Gazuwaka HVDC Back to Back	500		500
Upgradation of Talcher-Kolar HVDC Bipole	500	500	
Sub-total	3150	500	3650
WEST- SOUTH			
Chandrapur HVDC back-to-back	1000		1000
Kolhapur-Belgaum 220kV D/c	200		200
Barsur - L. Sileru 220kV HVDC Monopole	200		200
Ponda - Nagajhari 220kV D/c	200		200
Sub-total	1600		1600
EAST- NORTH EAST			
Bongaigaon-Siliguri 400 kV D/c	1000		1000
Birpara-Salakati 220kV D/c	300		300
Transmission lines for New Projects in North Eastern Region	700	700	
Sub-total	1300	700	2000
TOTAL	9,500	=20,500	= 30,000