

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:1527
ANSWERED ON:31.07.2003
CONSTRUCTION OF TOWERS BY PGC
UMMAREDDY VENKATESWARLU

Will the Minister of POWER be pleased to state:

- (a) whether the Power Grid Corporation is constructing towers all over the country to transmit power;
- (b) the details of the work being undertaken in 2003-2004 by Power Grid Corporation;
- (c) whether too many lines are criss-crossing the same areas;
- (d) if so, whether any efforts have been made in this regard;
- (e) whether the power lines are likely to follow a narrow belt across the country; and
- (f) the steps proposed to be taken in this regard?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER(SHRIMATI JAYAWANTI MEHTA)

(a) : Yes, Sir.

(b) : A list of the projects being implemented by POWERGRID during 2003-04 is enclosed as Annex.

(c) & (e) : Transmission lines from power generating stations to various load centres are constructed based on the quantum of power to be transmitted across such points. These transmission lines have been planned on the basis of long-term perspective transmission plan evolved by Central Electricity Authority. Due to concentration of generating resources in particular areas or geographical constraints like chicken-neck area between Bhutan and Bangladesh, criss-crossing and concentration of transmission lines in a particular area sometimes becomes unavoidable.

(d) & (f) : Considering the limitations of Right of Way, specially in the eco-sensitive zones, long term perspective plans have been evolved for its optimal utilization through creation of high capacity transmission network using state-of-art technology like Flexible AC Transmission System (Series Compensation), Extra High Voltage at 765 kV level, uprating and upgrading of existing lines in order to transfer higher quantum of power through a narrow corridor, high capacity HVDC links and multi-circuit transmission lines.

ANNEX.

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1527 TO BE ANSWERED IN THE LOK SABHA ON 31.07.2003.

TOWER ERECTION BEING UNDERTAKEN DURING YEAR 2003-04

Sl. Name of the Trans line Length (CKM)
No.

1 East - South Interconnector II (Talcher-II
Trans. System)
400 KV Salem - Udumalpet S/C TL 138

2 Augmentation of Capacity of Gajuwaka HVDC B/B
Proj. (500MW)
400 KV D/C Vijayawada - 300
Sitanagaram

400 KV D/C Sitanagaram - 396
Gajuwaka

3	Tehri Trans. System	
	800 KV Tehri - Meerut TL - I	186
	S/C	
	800 KV Tehri - Meerut TL - II	184
	S/C	
	400 KV Meerut - Muzaffaranager	36
	Trans. Line	
4	Unchahar Trans. System	
	220 KV D/C Panki - Naubasta	30
	LILO Line	
5	400 KV D/C Agra (PG) - Agra	60
	(UPPCL) TL	
6	Dhauliganga Transmission System	
	400 KV D/C Dhauliganga (NHPC) -	481
	Bareilly	
	(UPPCL) Line	
7	220 KV Transmission System under System	
	Improvement Scheme in U.P.	
	220 KV S/C Allahabad - Phulpur	39
	220 KV S/C Meerut (PGCIL) -	8
	Shatabdi Nager	
8	Chamera - II Tr. System.	
	LILO of 400KV S/C Chamera - I -	70
	Kishenpur line at Chamera-II	
9	Dulhasti Combined Tr. System.	
	400KV D/C Kishenpur - Thather	210
	line	
	400KV D/C Thather - Wagoora	158
	line	
10	Rihand - II Tr. System.	
	400 KV D/C Rihand - Allahabad	596
	line	
	400 KV D/C Allahabad - Kanpur	406
	line	
	400 KV D/C Kanpur - Mainpuri	404
	line	
	400 KV S/C Patiala - Malerkotla	146
	and LILO of Nalagarh - Hissar	
	at Kaithal & Patiala	
	Mainpuri - Ballabgarh line	460

11	System Strengthening Scheme in Northern Region (formerly part of Tala Suppl.)	
	400 KV S/C Jalandhar - Amritsar	65
	LILO of Bawana Bhiwani 400 KV S/C line at Bahadurgarh	18
12	System Strengthening Scheme of Western Region	
	LILO of 400 KV D/C Itarsi - Dhule at Khandwa	115
13	Tarapur 3 & 4 Transmission System	330
	400KV D/C Tarapur 3 & 4 - Boisor Tr. Line	24
	400KV D/C Tarapur 3 & 4 - Padghe Tr. Line	216
	220KV S/C Tarapur 3 & 4 - Boisor Tr. Line	12
	LILO of 400KV S/C Gandhar - Padghe at Boisor .	68
	LILO of 400KV S/C Gandhar - Padghe at Vapi	10
14	Raipur - Chandrapur Trans. System	
	400 KV D/C Raipur - Palandur Section	328
	400 KV D/C Palandur - Chandrapur Section	360
15	400 KV D/C Kaiga - Narendra TL	220
16	Madurai - Thiruvananthapuram Trans. System	346
	Madurai - Thiruvananthapuram 400 KV D/C Line	346
17	Ramagundam - III Transmission System	

400 KV D/C Ramagundam - Hyderabad line	392
400 KV S/C Hyderabad - Kurnool - Gooty line	307
400 KV S/C Gooty - Neelmangla line	254
400 KV S/C Khamam - Nagurjunsagar line	145
18 System Strengthening-II of Southern Regional Grid LILO of both Ckts of Davangere - Hoody 400 KV D/C at Hirriyur	5
19 Purnea New Scheme LILO of 400 KV D/C Bongaigaon- Malda (Ckt.-II) at Purnea (New)	122
20 Purnea Extn. Scheme LILO of 132 KV S/C Purnea (BSEB) - Dhalkola(WBSEB) at Purnea (Existing)	1
21 400 KV S/C Meramundali - Jeypore Meramundali - Tushara Section	227
Tushara - `Jeypore Section	230
22 Bihar Grid Strengthening 220 KV D/C Sasaram - Arrah - Khagaul TL	380
LILO of 220 KV S/C Dehri - Sahupuri at Sasaram	30
LILO of 132 KV S/C Dumraon - Arrah at Arrah	5
23 2nd 400 KV D/C Kahalgaon - Biharsharif Trans. Line	414
24 LILO of 400 KV S/C Kolaghat - Rengali Line at Baripada (New)	38
25 Integration of Sikkim Trans. with ER	124
LILO of Ist Ckt of 132 KV D/C Siliguri - Rengit Line at Gantok (New)	118

	LILO of 132 KV Siliguri - Gantok at Melli	6
26	Tala - Siliguri Tr. System	
	400 KV Tala - Siliguri Line I	194
	400 KV Tala - Siliguri Line II	234
	LILO of 400 KV Bongaigaon - Malda at Siliguri	12
	LILO of 400 KV Bongaigaon - Malda at Purnea	124
27	System Strengthening Scheme in Eastern Region (formerly part of Tala Suppl.)	
	400 KV D/C Biharshariff - Muzaffarpur	280
	LILO of 01 Ckt. of 400 KV Farakka - Jeerat at Subhasgram	140
28	132 KV Ranganadi - Ziro TL	40