

**GOVERNMENT OF INDIA  
POWER  
LOK SABHA**

UNSTARRED QUESTION NO:2128  
ANSWERED ON:24.08.2012  
GRID CONNECTED WITH NEPAL ANDBHUTAN  
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**Will the Minister of POWER be pleased to state:**

- (a) whether the Government has any proposal to connect the National grid with Nepal and Bhutan in view of the frequent grid failures;
- (b) if so, the details thereof; and
- (c) the quantum of power in Mega Watt being imported by India from Nepal and Bhutan at present?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF POWER ( SHRI K.C. VENUGOPAL )

(a) & (b) : The Indian grid is interconnected to the Bhutan and Nepal systems, the details of which are given below :

Indo-Bhutan Interconnections:

Presently, Hydro-electric projects at Chukha (330 MW) Kurichhu (60 MW) and Tala (1020 MW) are the existing power stations in Bhutan. Bhutan exports power to India from these projects after meeting their internal demand. The associated cross border transmission system for the above projects are as following :

Chukha HEP (336 MW):

# 220 kV, 1xD/C, Chukha(Bhutan)-Birpara ( West Bengal) # 220 kV, 1xS/C, Chukha(Bhutan)-Birpara (West Bengal) via Singheagon

Kurichu HEP (60MW) :

# 132 kV, 1xS/C, Kurichu(Bhutan)-Gelephu(Bhutan)-Salakati (Assam) # 132kV Deothang- (Bhutan)-Rangia(Assam) single circuit (S/C) line

Tala HEP (1020MW):

# 400kV, 2xD/C Tala (Bhutan) – Siliguri (West Bengal) line ( one of the circuit of a double circuit (D/C) line is looped in and looped out (LIL/Oed) at Pasakha/Malbase sub-station (S/S) in Bhutan)

Indo-Nepal Interconnections:

There is no proposal as such to connect Nepal grid in view of the grid failures. However, the utilities on the Indian side namely, BSEB, UPPCL and UPCL are interconnected to Nepal system (NEA) and they supply power to isolated local areas on the border side of Nepal with the following transmission lines:

# BSEB (Bihar)-Nepal:

132 kV line

1. Kataiya - Kusaha 2. Ramnagar -Gandak east - Gandak/Surajpura

33 kV line

3. Birganj - Raxaul 4. Kataiya - Biratnagar(Rupni) 5. Kataiya - Rajbiraj 6. Sitamarhi – Jaleshwer

# UPPCL(UP)-Nepal:

33 kV line

1. Anandnagar - Bhairwan 2. Nanpara-Nepalganj

# UPCL (Uttarakhand) – Nepal:

33 kV line

1. Lohia - Mahendranagar (Nepal)

11kV line

2. Pithoragarh – Baitadi 3. Dharchula – Jaljibe 4. Dharchula – Pipli

(ii) India also supplies about 70 MU free power from Tanakpur HEP (120 MW in Uttarakhand) to Nepal under the Mahakali treaty through the 132 kV Tanakpur-Mahendranagar (Nepal) S/C line.

(iii) A cross border 400 kV Muzaffarpur (India)-Dhalkebar (Nepal) D/C line between the two countries is under implementation phase and it is targeted to be developed by June, 2014. It would enable Nepal to import additional power from Indian Electricity Market.

(c) : Bhutan exports to the tune of 1000-1100 MW to India and the utilities in the Indian side export about 120-140 MW to Nepal at present.