(ii) Construction of 1,07,440ckm transmission lines and setting up of 2,82,740 MVA transformation capacity during the 12th Plan, *i.e.* by 2016-17. As against this, 50,503ckm of transmission lines and 1,64,924 MVA of transformation capacity have been achieved till January, 2015.

(iii) The gap in indigenous coal availability is being met through enhanced coal production and coal imports for increased generation by thermal plants.

(iv) Government of India has taken initiative to prepare State specific Action Plans for providing 24X7 Power For All (PFA) in partnership with the States.

(v) Two new schemes have been approved by the Government of India, namely, Deendayal Upadhyaya Gram Jyoti Yojana and Integrated Power Development Scheme for strengthening of sub-transmission and distribution networks and for segregation of agricultural feeders to give adequate and reliable supply and reduce line losses.

(vi) Renovation & Modernization (R&M) of old thermal power plants is planned by concerned State and Central Power Utilities for improving the Plant Load Factor of existing power stations leading to increase generation.

(vii) Promotion of energy conservation, energy efficiency and demand side management measures are being undertaken.

(viii) In order to support financial viability of State Distribution Utilities (Discoms), the Central Government had notified a Financial Restructuring Plan (FRP).

(ix) Many issues relating to Environmental and forest clearances have been expeditiously resolved for facilitating early completion of generation and transmission projects.

Power generation in Assam

2007. SHRIMATI NAZNIN FARUQUE: Will the Minister of POWER be pleased to state:

(a) the details of power generating units in Assam, at present and the details of such units which are not working along with the reasons therefor;

(b) whether Government is considering to establish new power plants to help the State in its current power crisis;

(c) if so, the details thereof; and

(d) the steps being taken by Government to start those power generating units to meet the current crisis in State?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) to (d) The details of power generating units located in Assam are given in the Statement-I (*See* below).

At present, two units of 30 MW each of Chandrapur (Assam) Thermal Power Station, a multi-fuel based station, are under shut down since 1999 due to uneconomical operation. This power station could be revived by using coal as an alternative fuel.

The details of power projects considered during 12th Plan, currently under construction which would help Assam to meet the power crisis in the State are given in the Statement-II (*See* below).

Statement-I

Details of power generating units located in Assam

Name of the station	No. of Units x Capacity (MW)	Installed Capacity as on 31.01.2015 (MW)
Kopili Hydro Power Station	4x50+1x25	225
Kathalguri Combined Cycle Power Project	6x33.5+3x30	291
Chandrapur (Assam) Thermal Power Station	2x30	60
Karbi Langpi Hydro Power Station	2x50	100
Lakwa Gas Turbine	4x15+3x20+1x37.2	157.2
Namrup Combined Cycle Power Project	1x20+2x21+1x11+1x22	95
Namrup Steam Turbine	1x24	24
	TOTAL	952.2

Statement-II

Likely benefit to the State of Assam during 12th Plan

Projects	Status	State project location	Installed capacity	Benefits share of States (MW)
1	2	3	4	5
Bongaigaon Tpp U 1, 2, 3	Under Construction	Assam	3X250=750	381
Pare Hep	Under Construction	Arunachal Pradesh	2X55=110	37

1	2	3	4	5
Kameng Hep	Under Construction	Arunachal Pradesh	4X150=600	65
Subansiri Lower Hep	Under Construction	Arunachal Pradesh	4X250=1000	104
Turial *	Under Construction	Mizoram	2X30=60	20
Tripura Gas	Commissioned	Tripura	2X363.3=726	240
Total Central Sector Share				847
Namrup Ccgt		Assam	100	100
Total State Sector				100
Grand Total (Assam)				947

*Shares from Central sector projects for which M.O.P. Orders are yet to be issued are tentative.

Grid security export system

2008. DR. CHANDAN MITRA: Will the Minister of POWER be pleased to state:

(a) whether Government is in the process of developing a Grid Security Export System (GSES);

(b) if so, the details thereof;

(c) the measures taken by Government to stave off possible cyber attacks on country's power transmission network; and

(e) the further steps taken by Government to prevent recurrence of events of massive collapse of grid?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) and (b) Grid Security Expert System (GSES) is proposed to be developed by POWERGRID and it involves installation of knowledge based Supervisory Control and Data Acquisition (SCADA) system, numerical relays and Remote Terminal units upto 132 kV stations and the reliable Optical fibre Ground wire (OPGW) communication system at an estimated cost of around Rupees 1200 crores. The objective of the GSES is implementation of the Automatic Defense mechanism to facilitate reliable and secure grid operation.

(c) CERT-In (Computer Emergency Response Team-India), Department of Information Technology, Ministry of Communication and Information Technology, Government of India has prepared a Crisis Management Plan (CMP) for countering cyber attacks and cyber terrorism for preventing the large scale disruption in the functioning of critical information systems of Government, public and private sector