

1	2	3	4	5
Kameng Hep	Under Construction	Arunachal Pradesh	4X150=600	65
Subansiri Lower Hep	Under Construction	Arunachal Pradesh	4X250=1000	104
Tural *	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

resources and services. The Crisis Management Plan (CMP) for Countering Cyber Attacks and Cyber Terrorism outlines a framework for dealing with cyber related incidents for rapid identification, swift response and remedial actions to mitigate and recover from cyber related incidents impacting critical national processes.

In December 2010, Ministry of Power had constituted CERTs (Computer Emergency Response Teams) for power sector *i.e.*; CERT-Thermal (nodal agency-National Thermal Power Corporation (NTPC)), CERT-Hydro (nodal agency-National Hydroelectric Power Corporation (NHPC) and CERT-Transmission (nodal agency-Power Grid Corporation of India Limited (PGCIL), to take necessary action to prevent cyber attacks in their domains. The State Power Utilities have also been advised to prepare their own sectorial Crisis Management Plan (CMP) and align themselves with the Nodal Agencies *i.e.* NTPC, NHPC & PGCIL and CERT-In for the necessary actions.

(d) Based on the recommendations of the Enquiry Committee, constituted by Ministry of Power to enquire into the causes of the grid collapse of July, 2012, several measures like third party protection audit, review of Unscheduled Interchange mechanism, review of Central Electricity Authority transmission planning criterion, tightening of frequency band, coordinated planning of outages, development of islanding schemes, proper maintenance of under frequency relays etc. have been taken by the Government to prevent grid failures.

Power supply to rural areas

2009. SHRIMATI JHARNA DAS BAIDYA: Will the Minister of POWER be pleased to state:

(a) whether Government is aware that electricity supplied to rural areas is less than that to urban areas;

(b) if so, whether any guidelines have been issued by Government to the States in this regard;

(c) if so, the details thereof; and

(d) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) Electricity being a concurrent subject, supply and distribution of electricity to various consumers including rural area and urban area in a State/UT is within the purview of the respective State Government/State Power Utility. The Central Government supplements the efforts of the State Governments by establishing power plants in the Central Sector through Central Power Sector Undertakings (CPSUs). The assistance is given to the State and further it is upto the State to supply to different consumers in rural or urban areas.