1	2	3	4	5	6
17.	Tripura	-	237	-	237
18.	Uttar Pradesh	864	523	-	1,387
19.	Uttarakhand	13	22	-	36
20.	West Bengal	14	73	20	107
	TOTAL	1,541	2,709	91	4,340

Cyber security for National Power Grid

1737. SHRI SANJAY RAUT: Will the Minister of POWER be pleased to state:

(a)   whether it is a fact that a large number of assets on country's national power grid could be more vulnerable to cyber-attacks, if so, the details thereof; and

(b)   the details of steps taken or proposed to be taken by Government to increase security further across the power grid in the country?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) and (b) The National Power Grid comprises of large number of assets established across the country. Inter-connectedness is a key feature of networked world and cyber opportunity and threat are part of it. For curbing the cyber threats over national power grid, multiple steps have been taken. For securing transmission assets of POWERGRID, communication from equipment of Sub-stations to control centres are done over dedicated optical fibre network owned by POWERGRID without any connectivity to external networks. They are further protected through multiple Firewalls. These systems are kept isolated from office networks, to prevent any malicious online attack because of Internet connectivity. Also, POWERGRID is certified for ISO27001 Information Security Management System as laid down in Information Technology Act, 2000. Further, Ministry of Power has formed Sectoral CERT-Transmission housed in POWERGRID, which works in close coordination with Indian Computer Emergency Response Team (CERT-In), National Critical Information Infrastructure Protection Centre (NCIIPC), Ministry of Home Affairs (MHA) and Ministry of Electronics and Information Technology (MeitY) and which has laid down detail procedures for Protected Systems, alerts and advisories, regular cyber audit, Crisis Management Plan (CMP), mock drills and exercises.