

Key Capabilities	4G	5G
Peak Data Rate (Gbit/s)	1	20
User Experienced Data Rate (Mbit/s)	10	100
Spectrum Efficiency	1	3x
Latency (ms)	10	1
Connection Density (devices/km ²)	1 lakh	10 lakh

(c) The radio spectrum and the telecom licenses awarded by the Government are technology neutral and can facilitate deployment of any network/services. The Government had sought the recommendations of TRAI on the auction of spectrum in various bands, which includes the newly allocated band from 3300 MHz to 3600 MHz. The recommendations received from TRAI has been accepted by the Digital communications commission.

Roadmap for introduction of 5G wireless network

518. SHRI MANISH GUPTA: Will the Minister of COMMUNICATIONS be pleased to state:

(a) what is the roadmap for introduction of 5G wireless network in the country, if so, what is the time-frame and other related details;

(b) whether this transformation would occur within a short time or will it take atleast 3 to 4 years, if so, the details thereof; and

(c) whether this 5G network installation would cause any large financial burden to the present smart phone users with regard to upgradation, if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF COMMUNICATIONS (SHRI DHOTRE SANJAY SHAMRAO): (a) to (c) An inter-ministerial High Level Forum for 5G India 2020 was constituted in September, 2017 to articulate the Vision for 5G in India and to recommend policy initiatives and action plans to realize this vision. The High Level Forum submitted its report titled as "Making India 5G Ready" in August, 2018. Based on the report, the Government is creating an enabling framework for deployment of affordable and secure 5G services in India. The Department of Telecommunications has received applications from Licensed Telecom Service Providers for 5G Technology Trials.

The 5G services are expected to be introduced gradually and advance to a full range of services as ecosystem and demand for services grows. The Present users has to buy 5G enabled smart phones in order to experience the benefits of 5G Technology.

Development of infrastructure in North Eastern States

†519. MS. SAROJ PANDEY: Will the Minister of DEVELOPMENT OF NORTH EASTERN REGION be pleased to state:

(a) the number of infrastructure development/other projects approved for development North Eastern States since 2014 to till date; and

(b) the total financial allocation for these projects and by when they would be completed?

THE MINISTER OF STATE OF THE MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION (DR. JITENDRA SINGH): (a) and (b) Since 2014-15 to till date, Ministry of Development of North Eastern Region and NEC have sanctioned 549 projects costing ₹ 8640.08 crores under various schemes for the development of North Eastern States. During this period a total of 667 projects have been completed, including 32 projects which were sanctioned during the period. The remaining projects are at various stages of implementation.

Assistance to make Cherrapunji a global tourism destination

520. SHRI K.J. ALPHONS: Will the Minister of DEVELOPMENT OF NORTH EASTERN REGION be pleased to state:

(a) whether Government is assisting in building of necessary infrastructure to make Cherrapunji a global tourism destination; and

(b) whether the North Eastern Council has allocated any funds for the above?

THE MINISTER OF STATE OF THE MINISTRY OF DEVELOPMENT OF NORTH EASTERN REGION (DR. JITENDRA SINGH): (a) Presently there is no such proposal under consideration of the Government.

(b) Does not arise in view of (a) above.

†Original notice of the question was received in Hindi.