

**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS**

**LOK SABHA
UNSTARRED QUESTION NO. 610
TO BE ANSWERED ON 16TH SEPTEMBER, 2020**

5G TECHNOLOGY

610. SHRI NATARAJAN P.R.:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether the Government is developing 5G technology in the country;
- (b) if so, the details and the salient features thereof;
- (c) the details of the budget provision made for the development of the said technology along with the names of private telecom companies which have proposed to offer 5G services; and
- (d) the time line fixed for introducing 5G services by telecom companies including BSNL/MTNL?

ANSWER

**MINISTER OF STATE FOR COMMUNICATIONS, EDUCATION AND
ELECTRONICS & INFORMATION TECHNOLOGY
(SHRI SANJAY DHOTRE)**

(a) to (d) Department of Telecommunications has in March, 2018 approved a multi-institute collaborative project to set up indigenous 5G Test Bed at a total cost of Rs. 224 crores. The collaborating institutes includes IIT Madras, IIT Delhi, IIT Hyderabad, IIT Bombay, IIT Kanpur, IISc Bangalore, Society for Applied Microwave Electronics Engineering & Research (SAMEER) and Centre of Excellence in Wireless Technology (CEWiT). The project envisages setting up of an end-to-end open 5G Test Bed in a distributed architecture model. The project will enable Indian academia and industry to validate their products, prototypes and algorithms. It will also provide facilities for experimenting and demonstrating 5 G applications/ use cases. Recently, a private Telecom Company, M/s Reliance JioInfocomm Ltd. has also announced development of indigenous 5G technology products. Introduction of 5G services depends on deployment of 5G equipment and device ecosystem and also economic and commercial considerations of the Telecom Service Providers.
