

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

**LOK SABHA
UNSTARRED QUESTION NO. 3623
TO BE ANSWERED ON 22ND MARCH, 2023**

6G TECHNOLOGY

3623. SHRI MADDILA GURUMOORTHY:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether any work has started on the development of spectrum options, which are the basic infrastructure of 6G technology, if so, the details thereof;
- (b) whether any study has been conducted to unearth the business applications and key technologies of 6G;
- (c) if so, the details thereof and if not, the reasons therefor;
- (d) whether any specific budget has been allocated for the development of 6G technology; and
- (e) if so, the details thereof and if not, the reasons therefor?

ANSWER

**MINISTER OF STATE FOR COMMUNICATIONS
(SHRI DEVUSINH CHAUHAN)**

- (a) The Government has carried out spectrum auctions from time to time, wherein the Telecom Service Providers (TSPs) acquire spectrum for the roll out of cellular mobile services by paying market determined prices. The 6G technology is only at a conceptual stage at present. However, the spectrum acquired by TSPs through auctions can be used to provide mobile services using any technology based on the standards approved by ITU/TEC or any other International Standards Organisation/bodies.
- (b) & (c) A 6G Technology Innovation Group (TIG-6G) has been constituted in the Department of Telecommunications, comprising members from the Government, research and development institutions, academia and standardisation bodies to develop roadmap and action plans for 6G.
- (d) & (e) No Sir.
