

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

**LOK SABHA  
UNSTARRED QUESTION NO. 2767  
ANSWERED ON 6<sup>TH</sup> AUGUST, 2025**

**5G AND 6G DEVELOPMENT PROJECTS UNDER TTDF**

**2767. DR. D. PURANDESWARI:**

Will the Minister of COMMUNICATION be pleased to state:

- (a) the details of the ongoing 5G and 6G development projects under the Telecom Technology Development Fund (TTDF) including their scope, objectives and expected timeline of completion;
- (b) the total financial allocation made under TTDF for these projects along with the progress made so far in terms of technology development and trials;
- (c) the involvement of private sector companies, research institutions and universities in these projects and the expected role of local innovators in driving 5G and 6G advancements;
- (d) the manner in which the TTDF is expected to contribute to India's global leadership in telecom technology, particularly in 5G and 6G standards; and
- (e) the details of the plans, if any, to enhance the TTDF to support further advancements in telecom technologies beyond 6G in the coming years?

**ANSWER**

**MINISTER OF STATE FOR COMMUNICATIONS AND RURAL DEVELOPMENT  
(DR. PEMMASANI CHANDRA SEKHAR)**

(a) to (e) Telecom Technology Development Fund (TTDF) Scheme was launched on 1st October 2022. The scheme aims to fund Research and Development (R&D) and innovation in telecom technologies, fostering collaboration between academia, start-ups, MSMEs, research institutes, and industry to enhance the telecom ecosystem in India.

A total 110 projects related to 5G and 6G amounting to Rs. 304.70 Crores have been approved under TTDF scheme till 30.06.2025. The duration of these R&D projects ranges from 1 to 5 years. These projects are currently in the initial stages of development. For 5G and 6G advancements, TTDF scheme is supporting various technological domain funding involving government & private institutions, MSMEs, start-ups etc.

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