

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

**LOK SABHA
UNSTARRED QUESTION NO.509
TO BE ANSWERED ON 6TH FEBRUARY, 2019**

5G SPECTRUM

509. ADV. M. UDHAYAKUMAR:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether it is a fact that the 3G and 4G timelines were missed but 5G cannot be afforded to be missed;
- (b) if so, the reasons therefor and the steps taken to ensure the 5G services within the time frame;
- (c) whether it is also true that spectrum offer made in the last four years never achieved the target and all the spectrum auctions of the Government failed to achieve results; and
- (d) if so, the reasons therefor and the action taken in this regard?

ANSWER

**THE MINISTER OF STATE (IC) OF THE MINISTRY OF COMMUNICATIONS &
MINISTER OF STATE IN THE MINISTRY OF RAILWAYS
(SHRI MANOJ SINHA)**

(a) & (b) No timelines are fixed by any international body for adoption of new generation telecom technologies by various countries. India adopted 3G and 4G technologies based on the ecosystem prevailing at the time. The department is taking proactive steps to explore and adopt 5G technologies in step with the international community.

The standards for IMT 2020 (International Mobile Telecommunications 2020), also known as 5G technologies in the industry, are being finalized and trials of the technologies are in progress globally. The Department of Telecommunications is also working with telecom service providers/original equipment manufacturers on technological studies. Further, the Government is creating an enabling framework to facilitate the launch of 5G telecom services in India. The 5G services are expected to be introduced gradually and to advance to a full range of services as and when the 5G technology ecosystem matures, and demand for 5G services in the country grows.

(c) & (d) The demand for spectrum in an auction depends upon a large number of socio-economic and regulatory factors and is ultimately determined by the technical requirements and the financial conditions of the bidders. The auction revenue estimates for budgeting purpose, and actual revenue realization against the estimates, which includes receipts from deferred payments apart from the upfront auction amounts, for the last four years are as follows:

Year	Revenue Estimate (Rs. in crores)	Actual Receipts (Rs. in crores)
2013-14	11343	18267.18
2014-15	14355	10791.08
2015-16	16000	21587.00
2016-17	34,586	32434.10
