

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

**RAJYA SABHA  
UNSTARRED QUESTION NO. 235  
TO BE ANSWERED ON 3<sup>RD</sup> FEBRUARY, 2023**

**HIGH SPECTRUM PRICE**

**235 Dr. Fauzia Khan:**

Will the Minister of Communications be pleased to state:

- (a) the details of the spectrum prices charged in the last three years;
- (b) whether Government has taken cognizance of the concerns raised by various industry players relating to issues regarding the high spectrum price in the country;
- (c) if so, the details thereof;
- (d) the details of measures being taken to deal with the said issue;
- (e) the effects realized thereof; and
- (f) the proposed measures to be taken in this respect?

ANSWER

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

- (a) In the last three years, Spectrum Auction were conducted in March, 2021 and July, 2022. The details of the spectrum prices charged in Spectrum Auction 2021 and Spectrum Auction 2022 are annexed as **Annexure A** and **Annexure B** respectively.
- (b) to (f) Before conducting auction of spectrum, the reserve price of spectrum is decided by the Government, based on the recommendations of Telecom Regulatory Authority of India (TRAI), which in turn includes in-depth studies and extensive open house consultations with all stakeholders over a period of several months. TRAI used various standard valuation methods, including, inter-alia, econometric models and recommended reserve prices for various bands across different License Service Areas (LSAs). Based upon the recommendations dated 11.04.2022 by the TRAI, Union Cabinet in its meeting dated 14-06-2022 approved the Reserve Prices for 700MHz, 800MHz, 900MHz, 1800MHz, 2100 MHz, 2300MHz, 2500MHz bands. Rights to use spectrum in 600 MHz, 3300 MHz & 26 GHz bands were auctioned for the first time and reserve price as recommended by TRAI were accepted. Spectrum Auction was conducted in July 2022. M/s Reliance Jio Infocomm Ltd, M/s Bharti Airtel Ltd, M/s Adani Data Networks Ltd. and M/s Vodafone Idea Ltd have actively participated in this auction. Total bid amount is Rs. 1,50,173 crore.

## Winning Prices of Spectrum Auction 2021

(In Crore of Rupees per MHz for 20 years) (Paired for 800/900/1800/2100 MHz and unpaired for 2300 MHz bands)					
LSA	800 MHz Band	900 MHz Band	1800 MHz Band	2100 MHz Band	2300 MHz Band
Delhi	640		457		164
Mumbai	727		561		167
Kolkata	160		173		38
Andhra Pradesh	390		279		78
Gujarat	385	373	273		70
Karnataka	192		109		112
Maharashtra	510		365		72
Tamilnadu	174	235	100		151
Haryana	57		57		8
Kerala	157	199	95		20
Madhya Pradesh	143		95		9
Punjab	157		88		21
Rajasthan	266				6
Uttar Pradesh (East)	251	262	153		9
Uttar Pradesh (West)	161		115		12
West Bengal	74	124	53	35	6
Assam			46	30	2
Bihar	136	201	88		7
Himachal Pradesh	24	37	18		1
Jammu & Kashmir			17		1
North East		23	17	6	1
Orissa	47	86	27		5

## ANNEXURE-B

## Winning Prices of Spectrum Auction 2022

(In Crore of Rupees per MHz for 20 years) (Paired for 700/800/900/1800/2100 MHz and unpaired for 2500/3300 MHz and 26 GHz bands)								
LSA	700 MHz Band	800 MHz Band	900 MHz Band	1800 MHz Band	2100 MHz Band	2500 MHz Band	3300 MHz Band	26 GHz Band
Andhra Pradesh	318			172		51	26	0.57
Assam	57	50	56				5	0.1
Bihar	145				68		12	0.27
Delhi	509				224		40	0.89
Gujarat	282			150	125		23	0.5
Haryana	71				34		6	0.13
Himachal Pradesh	26			14			2	0.05
J&K	16	14	16				1	0.03
Karnataka	220				100		18	0.4
Kerala	110				48		9	0.19
Kolkata	173			97			15	0.32
Madhya Pradesh	156			88			13	0.29
Maharashtra	359			190			29	0.63
Mumbai	470			236			35	0.78
North East	15	13	14				1	0.03
Odisha	62			35.175			5	0.12
Punjab	112					14	9	0.2
Rajasthan	146			75			11	0.25
Tamil Nadu	253						21	0.46
UP (E)	171			164.5865			14	0.3
UP (W)	154	133					13	0.29
West Bengal	102				37		9	0.19

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