



***The 26-28 GHz India 5G Spectrum Workshop:  
Mobile Industry Perspective***

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# National Digital Communications Policy 2018

**DRAFT FOR CONSULTATION**

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## 2022 Goals (National Digital Communications Policy 2018 – Draft)

- 1. Broadband Subscription:** Provide Universal broadband coverage at 50 Mbps to every citizen => (130 crore/48 months = 2.7 crores subscriptions per month)
- 2. Gram Panchayat Connectivity:** Provide 1 Gbps connectivity to all Gram Panchayats (2,50,000) of India by 2020 and 10 Gbps by 2022
- 3. Fixed Line Broadband:** Enable fixed line broadband access (1.8 crore, Jul 2018) to 50% of households => (0.5 of Population/4= 16.25 crore = 34lakhs households per month)
- 4. Wi-Fi Hotspots:** Enable deployment of public Wi-Fi Hotspots; to reach 5 million by 2020 and 10 million by 2022

## National Digital Communications Policy 2018

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### **2022 Goals (National Digital Communications Policy 2018 – Draft)**

- 5. Broadband Readiness Index:** Propelling India to the Top 50 Nations in the ICT Development Index of ITU from 134 in 2017. Creating a Broadband Readiness Index for States/ UTs to attract investments and address RoW challenges
  
- 6. Investment Requirement:** The committee recommends a broad planning estimate of INR 3000 million in Year 1, INR 4000 million in Year 2, INR 5000 million in Year 3 and INR 4000 million in year 4.

## Spectrum Requirements for 5G in India

(Report of the 5G High Level Forum Steering Committee)



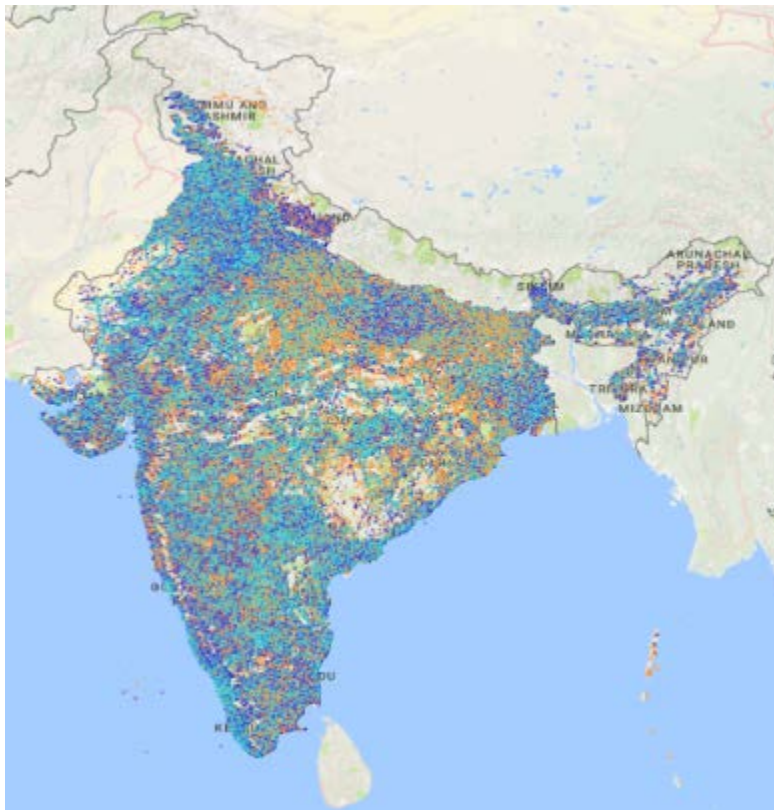
**Announce Tier:** 698-803 MHz, 3300-3600 MHz, 24.25-27.5 GHz, and 27.5 – 29.5 GHz. Of these, the two mm Bands should be opened free for two years to support rollout trials and indigenous R&D.

**Identify Tier:** 617-698 MHz, 1427-1518 MHz, 29.5 to 31.3 GHz and 37.0 to 43.5 GHz. The 37.0 to 43.5 GHz bands should be opened free for two years to support indigenous R&D.

**Study Tier:** 3600-3700 MHz. This is becoming a shared band internationally and will require significant real time co-ordination technology to support sharing. This band should be released after this spectrum sharing technology is available.

**The Government may announce its spectrum policy by December 31, 2018 and issue the necessary notifications.**

## Pan India 2G/3G/4G Coverage



## Total number of BTSs

BTS Type	Count
<b>2G</b>	<b>5,74,250</b>
<b>3G</b>	<b>3,73,718</b>
<b>4G</b>	<b>9,85,788</b>
<b>Total</b>	<b>19,33,756</b>

**5GHLF:** 5G infrastructure densification can exceed 1,000 Base Stations per SqKm.

DoT create strict guidelines for the State and Local Governments in issuing clearances. These guidelines should also be promulgated uniformly nationwide.