



MOBILE INDUSTRY, COAI HIGHLIGHT THE IMPORTANCE OF mmWAVES FOR INDIA'S 5G FUTURE

\$150 billion in additional GDP for India is at stake, shows new report

New Delhi, 28th October 2020: 5G networks offer the potential to transform industrial sectors and deliver significant social and economic benefits in India. To make the most of this opportunity, access to millimeterWave (mmWave) spectrum is key.

“In order for India to realise socioeconomic benefits and foster the adoption of the most technologically advanced 5G use cases, government should make the spectrum release timeline available to industry stakeholders as soon as possible,” said **Manoj Misra, Senior Public Policy Director, GSMA, India.**

The importance of how mmWave spectrum for 5G can help transform India is highlighted in a new report from the GSMA entitled “The Impact of mmWave 5G in India.” It was launched today during a GSMA-GSA-COAI event focusing on this important topic by Guest of Honor Shri K. Ramchand, Member – T, DoT and Keynote Speaker Shri U K Srivastava, Sr DDG, TEC.

Notably, India stands to benefit significantly from mmWave-enabled 5G using bands such as 26 GHz and 28 GHz. Approximately \$150 billion in additional GDP is anticipated for India over the period 2025–2040, according to the report which was authored by GSMA Intelligence. The GSMA Report may be downloaded here: <https://www.gsma.com/spectrum/wp-content/uploads/2020/10/mmWave-5G-in-India.pdf>

Amongst the various sectors the manufacturing sector will see the greatest impact, accounting for about a fifth of the gains. The healthcare sector will also benefit greatly from mmWave-enabled 5G, with an impact of approximately \$4 billion. These two verticals are explored in-depth in the report.

“It was after a great effort and support from DoT during WRC-19 that mmWave spectrum has been identified for 5G. The mmWave bands have also been identified by 5G HLF as primary 5G bands and these are also imperative to achieve targets specified in NDCP-2018. Early availability of mmWave spectrum for 5G in India will also drive much needed investments in this sector, as this spectrum will be extremely useful for driving the Digital India programme being an enabler



across sectors of the economy including Industrial IoT (huge capacity & new services). We are confident that these reports will help the Government in its understanding in making mmWave available in a timely manner for deployment of 5G networks and services” said **Lt. Gen Dr. SP Kochhar, Director General at COAI** during his opening remarks.

Most of the opportunities mmWave-enabled 5G offer largely depends on how and when the spectrum is made available. The new GSA report “Technical Report mmWave bands for 5G – India” focuses on this aspect, considering the vision and targets set by the National Digital Communication Policy (NDCP-2018) and 5G High Level Forum (5G HLF). It too was launched at the event. The GSA Report may be downloaded here: <https://gsacom.com/paper/mmwave-bands-for-5g-india-october-2020>

The report also recommends that India should formalise its NFAP and announce its time-plan for 5G mmWave implementation as soon as possible to give visibility to stakeholders and future plans of operators and vertical industry relying on mmWave spectrum bands.

Mr. Jitendra Singh, Head, GSA, said, “Access to a broad range of spectrum resources is one of the main growth drivers for the deployment of mobile broadband, IoT, and fixed wireless access services; conversely spectrum can also be a limiting factor for the expansion of services into new markets and industries. In India, where we’re seeing a fast adoption of smartphone and mobile devices, requires a high volume of spectrum, not only to connect, but also to serve Indian population with the required data rate to leverage the full potential of the digital economy. Timely access to harmonised and sufficient quantity of spectrum is key to maximising fulfilment of societal and digital goals envisioned in its National Digital Communication Policy. As our report clearly demonstrates, there are no technical co-existence issues of 5G with any of space services in India and sufficient protection margins are available for opening up both 26 and 28 GHz bands immediately for rolling out 5G in these mmWave bands. We encourage government to consider these bands for immediate inclusion in NFAP and announce the auction road map for these mmWave bands.”

About COAI

COAI was constituted in 1995 as a registered, non-governmental society. COAI’s vision is to establish India as the global leader of innovative mobile communications infrastructure, products and services and achieving a national teledensity of 100%, including broadband. The association is also dedicated to the advancement of modern communication and towards delivering the benefits of innovative and affordable mobile communication services to the people of India.



About GSA

GSA (the Global mobile Suppliers Association) is the voice of the global mobile ecosystem representing companies engaged in the supply of infrastructure, semiconductors, test equipment, devices, applications and mobile support services. The organisation plays a central role in promoting 3GPP technology, advocating spectrum policies and stimulating IMT industry development. The association is a single source of information for industry reports and market intelligence; its GAMBoD database is a unique search and analysis tool that has been developed to enable searches of LTE and 5G devices, chipsets and new global data on Mobile Broadband Networks, Technologies and Spectrum. More information on GAMBoD is available at <https://gsacom.com/gambod/>. Follow the GSA on Twitter: @GSACom

About GSMA

The GSMA represents the interests of mobile operators worldwide, uniting more than 750 operators and nearly 400 companies in the broader mobile ecosystem, including handset and device makers, software companies, equipment providers and internet companies, as well as organizations in adjacent industry sectors. The GSMA also produces the industry-leading MWCevents held annually in Barcelona, Los Angeles and Shanghai, as well as the Mobile 360 Series of regional conferences. For more information, please visit the GSMA corporate website at www.gsma.com. Follow the GSMA on Twitter: @GSMA.