



अजय साहनी, आई.ए.एस.  
AJAY SAWHNEY, I.A.S.

सचिव  
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय  
भारत सरकार  
Secretary  
Ministry of Electronics &  
Information Technology (MeitY)  
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### Foreword Making India Ready for 5G

The vision of Digital India is driven by the rapid advancements in Information and Communication Technologies including the next generation communication (5G) systems. The High Level Forum for 5G India 2020 set up by the Department of Telecommunication (DoT) with active participation from Ministry of Electronics and Information Technology (MeitY) and Department of Science and Technology (DST) has evolved a roadmap for implementation of this emerging technology with the involvement of all stakeholders including industry and academia.

The Steering Committee under the leadership of Prof. A Paulraj, Emeritus Professor, Stanford University and supported by seven task forces has come out with an excellent technology roadmap titled "Making India Ready for 5G". The report has comprehensively addressed regulatory policy including spectrum policy, and technology applications including the use-cases and standards and more importantly large scale trials.

The technology development in 5G technologies initiated by MeitY has resulted in prototypes in the emerging technologies and contribution to standards in 3GP, ITU and IEEE. This initiative needs to be carried forward through the "5G Test Bed" project by DoT, and many more programmes needs to be spawned so as to create significant Intellectual Property Rights leading to Standard Essential Patents.

I am sure that the "5G Implementation Cells" at MeitY/DoT/DST would create the right eco-systems co-operatively for speedy implementation of 5G Roadmap, resulting in increased design and manufacturing in India as well as significant contribution to global value chains in 5G technology and operational systems.

  
(Ajay Sawhney)