



- **Boss?** Ministry of Electronics and Information Technology (MeitY).
- To make India a global hub for Electronics System Design and Manufacturing – (ESDM: इलेक्ट्रॉनिक्स प्रणाली रचना/सिस्टम डिजाइन और विनिर्माण), Government will do following: →
- Tax benefit, subsidies and other incentive for R&D, innovation, Training and skill development for 5G, Internet of Things (IoT), Artificial Intelligence (AI: कृत्रिम बुद्धिमत्ता), Machine Learning, Virtual Reality (VR), Drones, Robotics, Nano-based devices, Medical Electronic Devices, Automotive Electronics Industry, Strategic electronics for the defence sector etc.
- Sovereign Patent Fund (SPF: सार्वभौम पेटेंट निधि): Govt will buy Patents / Intellectual Property Rights (IPR) from the innovators / Corporate Companies → allow MSME industries to use those IPR for electronics manufacturing, without having to pay hefty royalties to original patent holder..
- **Targets for 2025?** Turnover of \$400 billion. Produce 100 crore units of mobile handsets & export 60 crores units out of that. Create 1 crore jobs.

41.9.1 Mfg → Electronics Development Fund (EDF: इलेक्ट्रॉनिकी विकास निधि)

- **Boss?** Meity gave money to Canara bank's CANBANK Venture Capital Funds Ltd.
- 2015: EDF was set up as a “Fund of Funds” (बृहद निधि) → money is given to “Daughter Funds” (उप-निधिया) e.g. SEBI registered venture capital funds who are investing in electronics related startup companies.

41.9.2 → National Digital Communications Policy (2018)

राष्ट्रीय डिजिटल संचार नीति replaces National Telecom Policy-2012.

Boss? Ministry of Communications → Dept of Telecom

- **Target-2022:** 50mbps broadband to every citizen, 10 Gbps to all Gram Panchayats, jobs to 40 lakh people covering 8% GDP.
- **Bodies:**
 - ⇒ DoT's Telecom Commission transformed into 'Digital Communications Commission (डिजिटल संचार आयोग)'.
 - ⇒ (proposed) National Fibre Authority(राष्ट्रीय फाइबर प्राधिकरण): for creating broadband National Digital Grid.
- Focus data privacy, digital security, 5G, Internet of Things (IOT), Machine to Machine Communication (M2M)
- United Nations → specialized agency → International Telecommunication Union (ITU) → **ICT Development Index** → improve India's ranking. (presently below 100, have to get top-50.)
- **Related:** World Economic Forum's **Networked Readiness Index**. Although seems ranking not updated post-2016 so let's ignore.

41.9.3 → National Policy on Software Products - 2019

- **Boss?** MEITY **Target-2025:** 10000 startups, 35 lakh jobs, 10% of India's GDP.
- For this we will help the startup companies, setup Software Technology Parks, Research, Innovation, Training, Skill Upgradation, Linkages Between Industry-Academia, IPR Protection.