MEASUREMENT OF ICT SECTOR IN INDIA – STATUS AND CHALLENGES

Chandrajit Chatterjee
Deputy Director, Central Statistics Office, India

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Layout Of Presentation

• Importance of ICT sector

• Spread of Communication Technology in India

• Stakeholders

• Measurement of ICT Sector

• Challenges
Significance Of ICT Sector in India

Telecommunication services in overall economy

- Value of Output in 2015-16: INR 3.35 trillion (2011-12 prices)
  - 6.3% growth

- Value of Output in 2014-15: INR 3.15 trillion (-do-)

- Gross Value Added in 2015-16: INR 1.41 trillion (2011-12 prices)
  - 1.34% of Total GVA in 2015-16
  - 12.5% growth

- Gross Value Added in 2014-15: INR 1.25 trillion (-do-)

- Internet industry in India likely to reach $250 Bn – contributing 7.5% of GDP (estimates of industry association)
Spread Of Communication Technology*
In India

• Telecom Subscriber base – 1210.84 million
  • Wireless – 1186.84 million
  • Urban – 700.96 million

• Tele-density – 93.98%
  • Urban – 172.98%
  • Rural – 57.73%

• Internet Subscriber – 431.21 million
  • Broadband – 300.84 million
  • Wireless – 409.55 million
  • Internet subscribers per 100 population – 33.47

* As on 30th June 2017
Stakeholders

- Regulator – Telecom Regulatory Authority (TRAI)
- Nodal agency – Ministry of Communications
- Services Trade – Reserve Bank of India
- Measurement – MoSPI & MoC
- Association – COAI, TEMA, ISPAI, ICA, BIF, NASSCOM, etc.
Measurement of ICT Sector

- Annual Survey of Industries & Economic Censuses – conducted by CSO
  - Use, access and skill of computers, internet by establishments
  - Latest data – 2014-15 (ASI); 2013-14 (EC)

- Household Surveys – conducted by NSSO
  - Use, access and skill of computers, internet by households
  - Latest data – 2014 (71st round)
Measurement Of ICT Sector (Contd.)

- Individual access and use collected by MoC & TRAI through telecom operators
  - Subscription
  - Density
  - Penetration
  - Quality indicators
  - Usage and Revenue

- Trade in ICT goods by DGCI&S

- Trade in ICT services by RBI
Challenges

• Population / Vast Geographical Area
• Diversity in Language, Culture, Terrain
• Digital Divide – Urban/ Rural, Geographical Area
• Lack of dedicated surveys
• De-centralised systems – not integrated