

ICT and Economic Growth

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Introduction

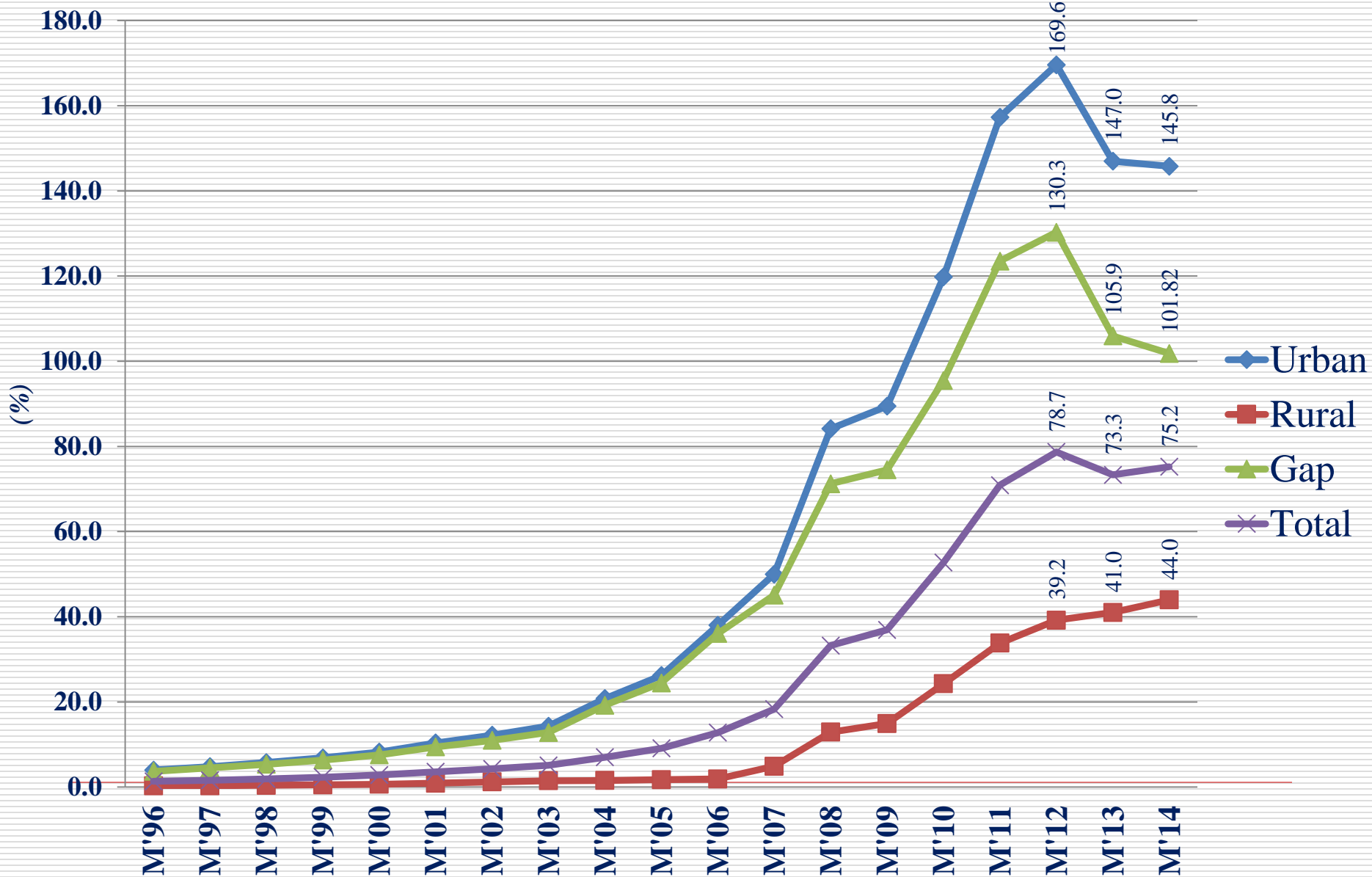
□ ICT \Leftrightarrow Growth

□ It is obvious... so why talk about it? And what should one talk about?

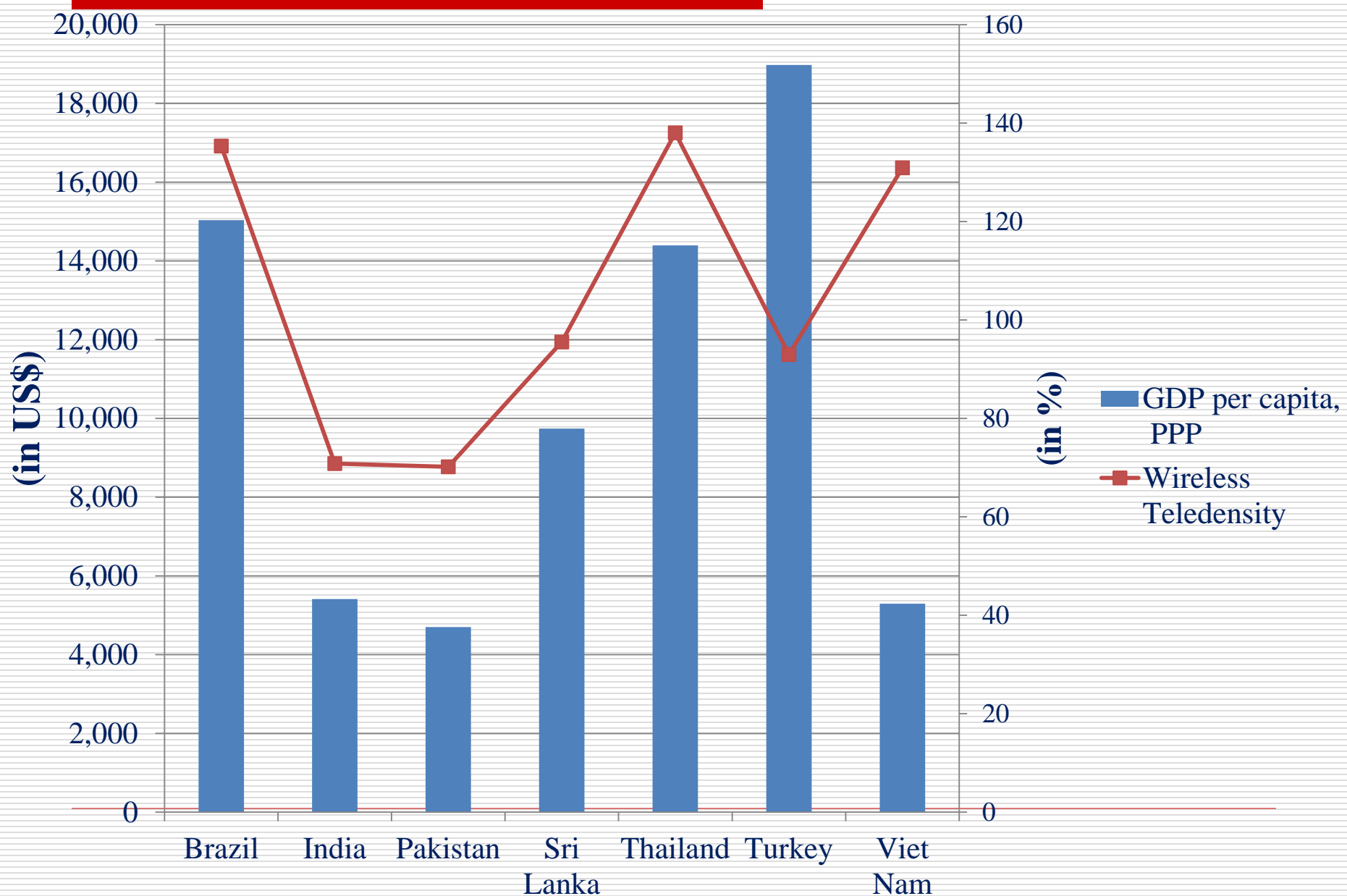
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- Are we doing the right things?
 - Are we doing things right?
 - What are the right things?
-

Current Status

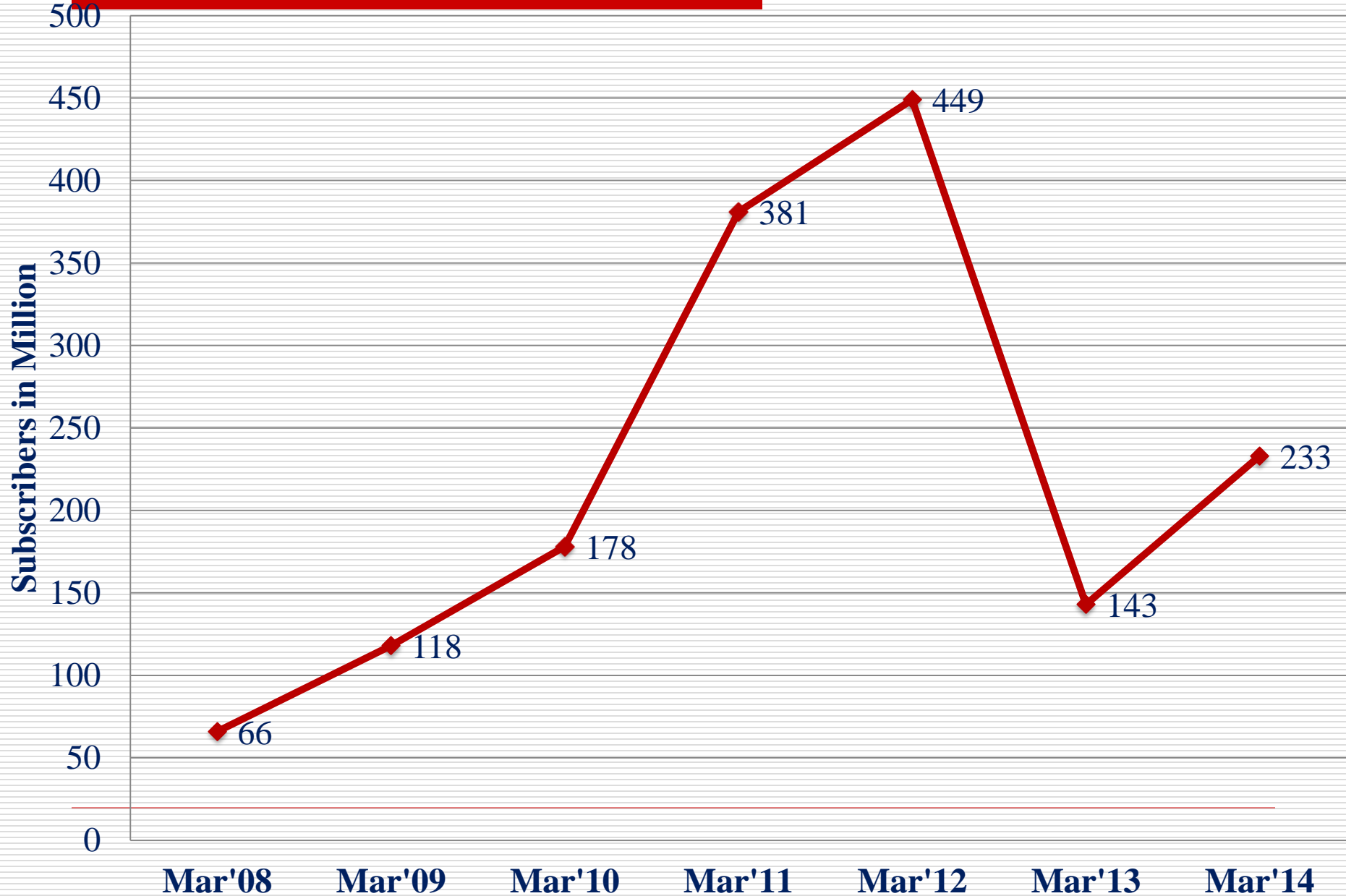
Rural-Urban Tele-density-widening Gap



Wireless Teledensity Vs. GDP per capita, PPP

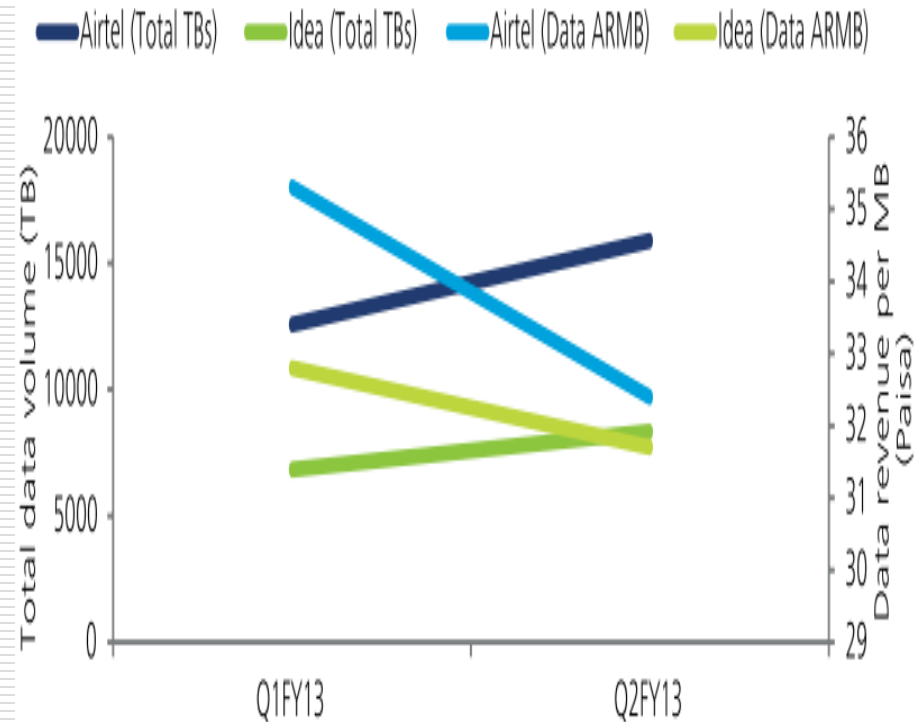


Wireless Data Subscribers in India (mostly urban)



What can be done

- Drive mobile growth
 - Urban: Make more spectrum available in 900, 800, and 700 MHz band
 - Remove constraints - sharing
 - Backhaul costs
 - Costs to mobile operators
 - EMF and other regulatory compliance (MNP)
 - Road accidents
 - Rural: Look at innovative applications –unlicensed bands



Source: https://www.deloitte.com/assets/Dcom-India/Local%20Assets/Documents/TMT%20predictions%202013/TMT_India_Predictions_2013_Telecommunications.pdf

Internet

- Content?
 - How many government sites are mobile enabled?
 - How many wikipedia pages are in regional languages
 - What is the quality of these pages?
 - Cost of domestic leased lines
 - Strengthening NIXI
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Broadband

- Broadband: National Optical Fibre Network (NOFN): Rs 20,000 crores, 2, 50,000 gram panchayat
 - Have we done things right?
 - Delays
 - Marketing
 - Rates of BBNL bandwidth?
 - Wireless connectivity in the last mile as a part of the plan?
 - Primacy to Demand Generation
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□ National Knowledge Network

- 5000 crores
 - Links 1500 education and research institutes
 - What is the uptake?
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Manufacturing

- ??
- Job creator
 - Experience with Nokia

Fabrication: 2 companies

Yet to take off

Adoption

- ❑ Content: language, quality, government as driver? Private sector
 - ❑ Seamless experience across sites
 - ❑ Government's initiative could be a driver of growth, employment and skill upgradation
 - ❑ Work with TSSC/IT Sector Skill Council
 - ❑ Leverage youth aspirations

 - ❑ Demand will drive supply
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Thank You