ICT and Economic Growth

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Introduction

ICT ⇔ Growth

It is obvious... so why talk about it? And what should one talk about?
Are we doing the right things?
Are we doing things right?
What are the right things?
Current Status
Wireless Teledensity Vs. GDP per capita, PPP

- Brazil
- India
- Pakistan
- Sri Lanka
- Thailand
- Turkey
- Vietnam

Wireless Teledensity Vs. GDP per capita, PPP

(in US$)
Wireless Data Subscribers in India (mostly urban)

Subscribers in Million

- Mar'08: 66
- Mar'09: 118
- Mar'10: 178
- Mar'11: 381
- Mar'12: 449
- Mar'13: 143
- Mar'14: 233

Note: The data is 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

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
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
National Knowledge Network

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