

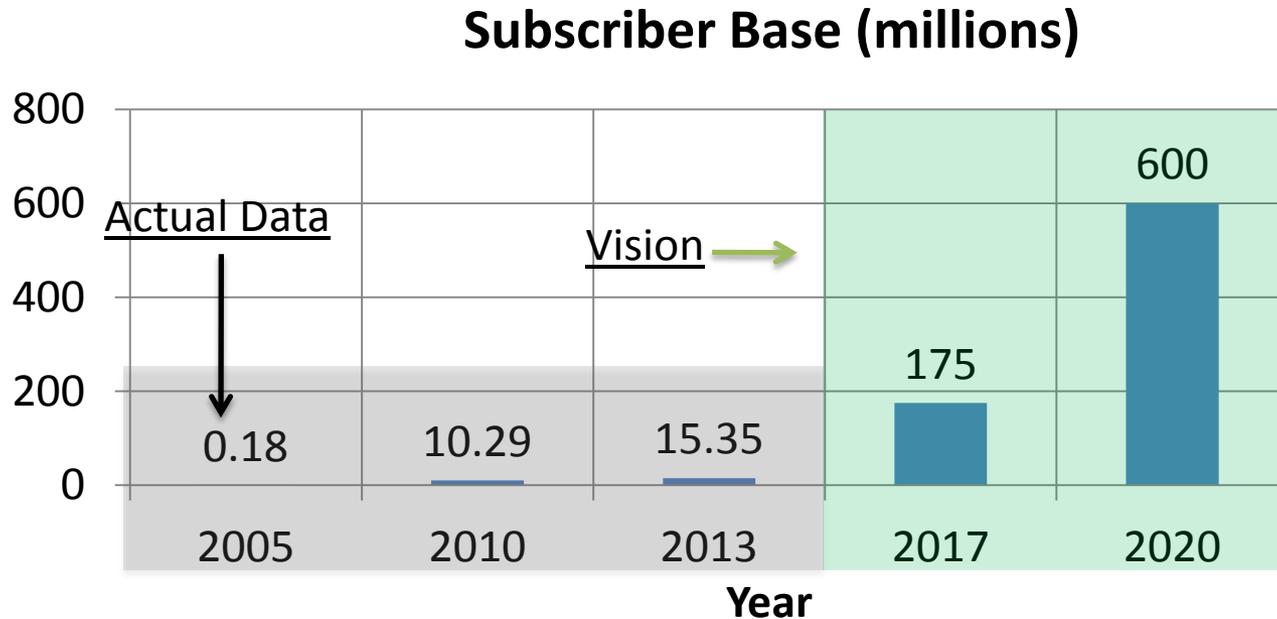
NOFN- Delivering on the Promise

Abhay Karandikar



IIT Bombay

Rural Broadband in India

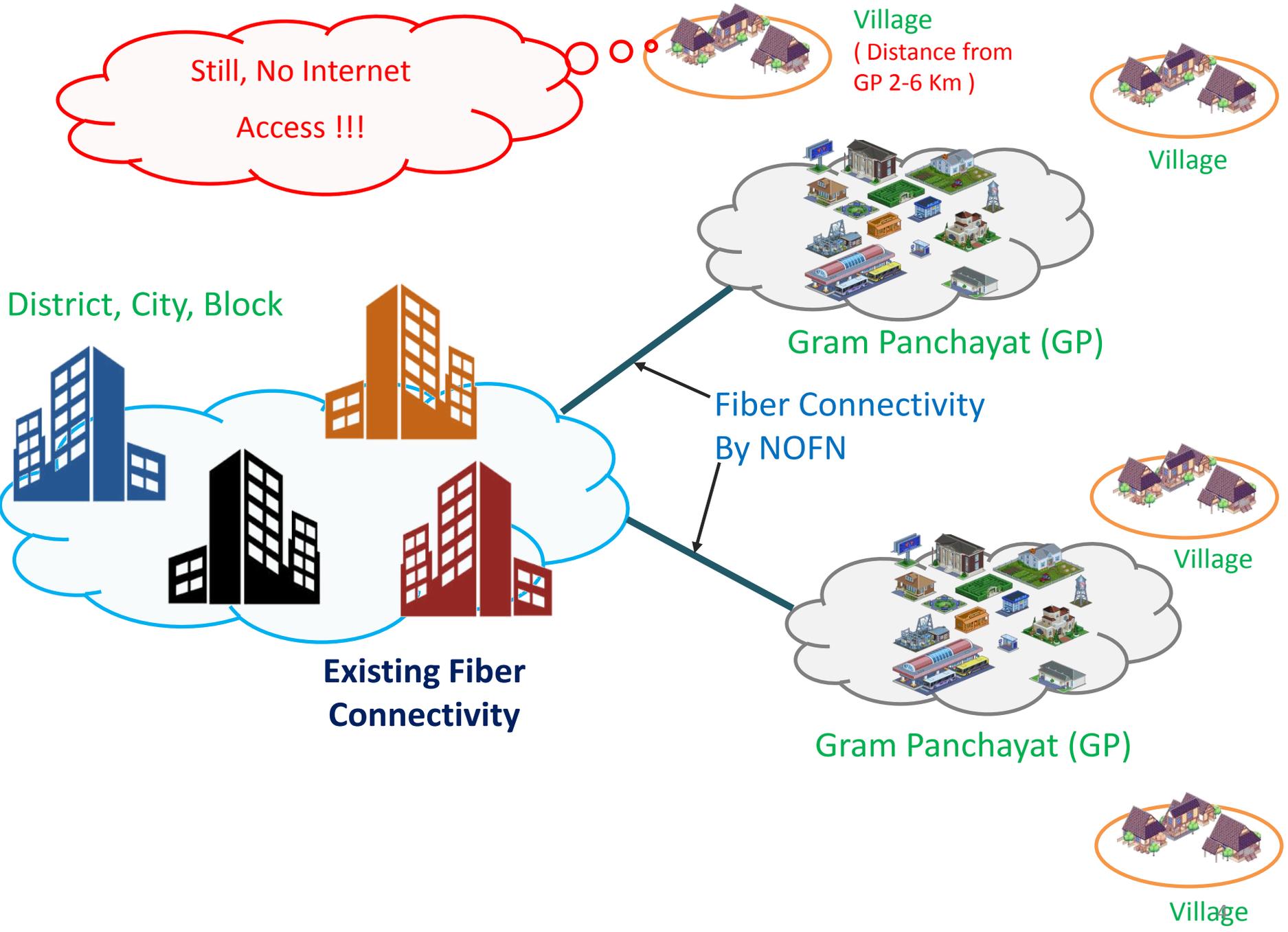


- Rural broadband vision of National Telecom Policy (NTP) 2012
 - 60 % by 2017
 - 100 % by 2020
- Broadband coverage in rural areas desirable, but is difficult due to high cost and Low return on investment

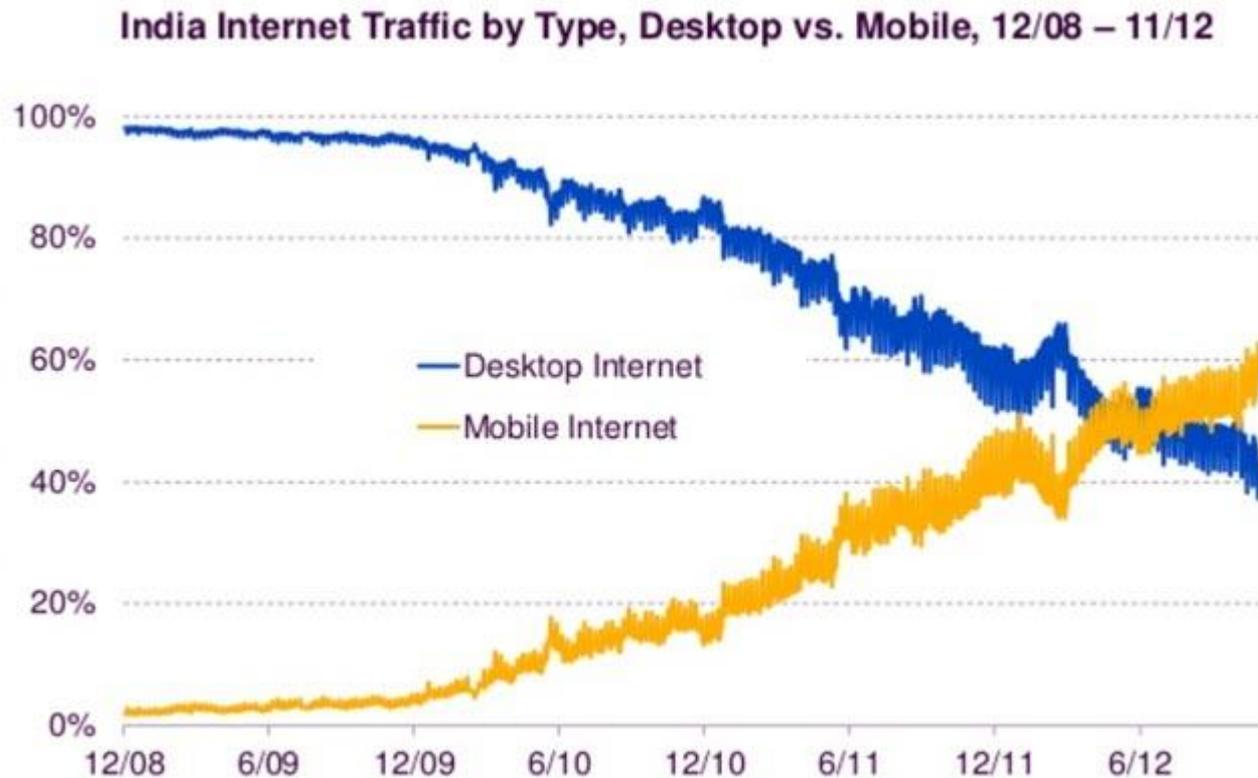
Current Broadband Status in Rural India

- Presently optical fiber connectivity (OFC) is available up to Block Panchayats
- National Optical Fiber Network (NOFN) – vision is to extend connectivity from Block Panchayats to Gram Panchayats

Number of Blocks	6,382
Number of Gram Panchayats	2,50,000
Number of Villages	6,38,619
Avg. number of Gram Panchayats per block	40
Avg. number of Villages per Gram Panchayat	2 to 3



Also there is migration to mobile internet...



<http://ibnlive.in.com/news/mobile-internet-usage-in-india-outstrips-traffic-from-desktops-report/308772-11.html>

Questions?

- NOFN Plan and Roadmap
- What is Business Model?
 - Given that all GP are connected with fiber can we reduce the system cost and enable cloud servers at BP or District level?
 - How to train the people and provide job opportunity so that rural citizens stay and create value in villages?
 - Can we provide open access to application developers, using SDN/Openflow so that more villages join the digital stream quickly?
- How to speed up the NOFN deployment?
- What are the challenges in implementation?