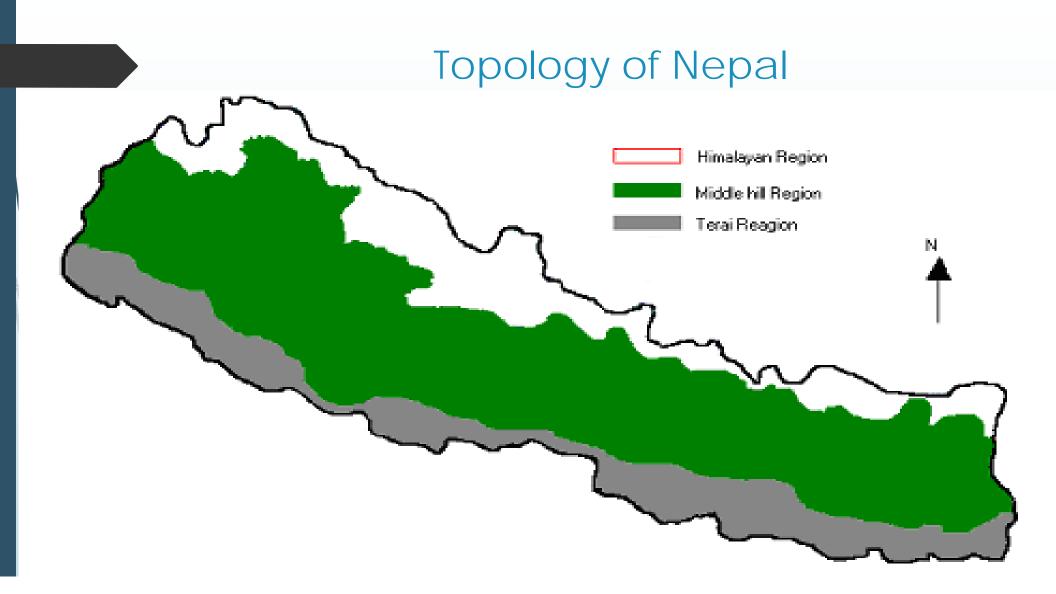
Addressing the barriers for development of Digital Infrastructure

ITU-TRAI Asia-Pacific Regulators' Roundtable: Addressing Regulatory Challenges in Digital Societies

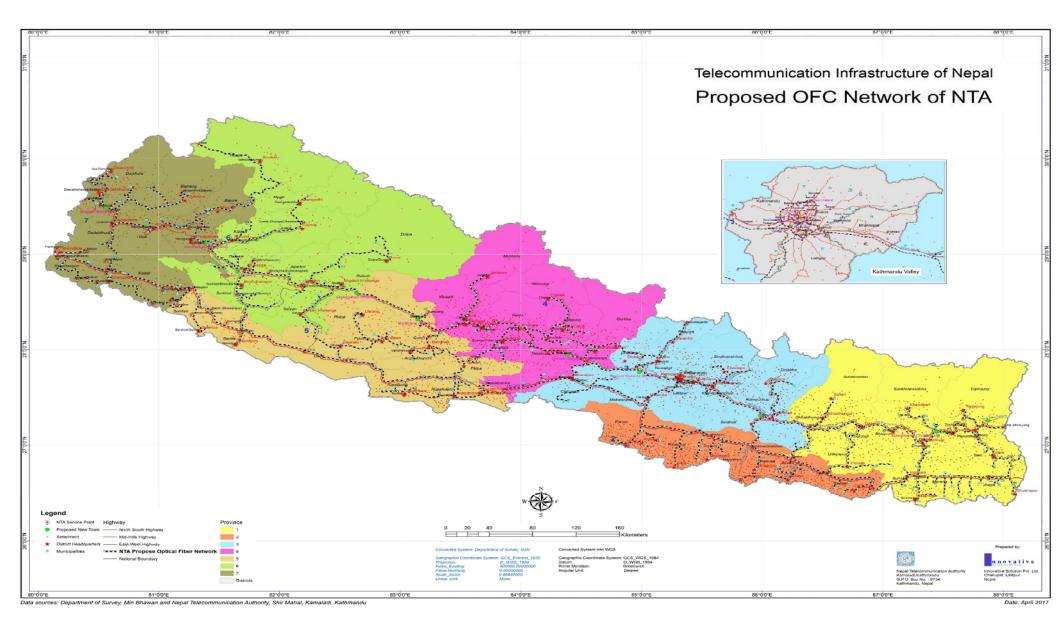
21-22 August 2017 New Delhi, India

Intervener: Digambar Jha, Chairman, Nepal Telecommunications Authority



Area and population of Nepal

S.No.	Description	No.
1	Total Area	147,000 sq km
2		
	Population	29 million
3	Tarai: Area / population	17% / 51%
4	Hills: Area / population	68% / 43%
5	Mountain: Area / population	15% / 06%
6	Urban population	18%
7	Literacy	64% (Male 76%)
3	Per capita GDP	730 USD



Key Targets

- Optical Fiber Network in Mid-hill Highway of 96-core 1800 KM.
- Connecting all Districts HQ, Municipalities and connecting East-West Highway in Terai through North-South Highway from the points of Mid-hill highway by 48 core OFC.
- Optical Fiber Route Length of the MHH Project is;
 - Province 1, 2 and 3 :- Approx 2179 KM
 - Province 4 and 5 :- Approx 2160 KM
 - Province 6 and 7 :- Approx 2512 KM
- All 75 district headquarters will be connected by optical fiber backbone links by 2018.
- Microwave network shall be built in 521 locations where OFC coverage of Backbone network is not possible.
- Capacity of Network is 100G in the District HQ and 10G in Municipalities.

Action Plan

- The reach of broadband network and services will be expanded to rural and remote areas by using Rural Telecommunications Development Fund (RTDF) through the telecom operators.
 - Measures will be taken to drive investments in creating optical fiber backbone infrastructure using RTDF in Mid-Hill Highway.
- Where optical fiber deployment is not possible microwave equipment shall be used to connect having 2.5G 4G data speed.

Administrative Restructure of Nepal

	S.No.	Institution	No.
	1	Province	7
	2	Total District	75
	3	Metropolitan City	6
Herbergen.	4	Sub-Metropolitan City	11
	5	Municipalities	246
	6	Rural Municipalities	481
	7	Total Municipality and wards	744+8081
N	8	Total Community Secondary Schools	2907
N	9	Total Hospitals & Public Health centers	4500

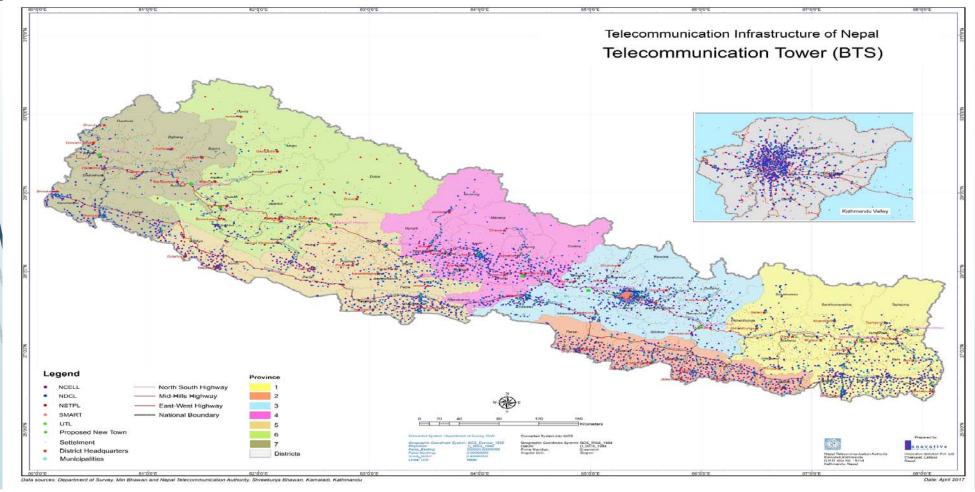
Optical Fiber Network in Mid-Hill Highway (MHH Project)

Package	Operator	Total Length	No. of Districts	Population	Household	SubsidyAmt. (USD)
1	Nepal Telecom	2179 KM	32	16 million	3,169,783	49 million
2	United Telecom Ltd.	2160 KM	21	8 million	1,496,913	20 million
3	Smart Telecom P. Ltd.	2512 KM	19	4 million	762,506	30 million

The Broadband Internet Access for 11 Earthquake Affected & 8 Least Developed Districts

S.No.	Name of Districts	No. of Districts	Subsidy Amount (USD)	Operator
1	Gorkha, Dhading, Makawanpur	3	2.07 million	Subisu Cable Net Pvt. Ltd.
2	Dolakha, Ramechhap, Sindhuli, Okhaldhunga	4	2.42 million	Mercantile Communications Pvt. Ltd.
3	Nuwakot, Rasuwa, Sindhupalchowk, Kavrepalanchowk	4	2.11 million	Nepal Telecom
4	Humla, Mugu, Dolpa and Jumla	4	2.465 million	Worldlink Communications Pvt. Ltd.
 5	Kalikot, Rukum, Jajarkot and Rolpa	4	2.46 million	Worldlink Communications Pvt. Ltd.

Existing Telecom Infrastructure of Nepal





Thank You !