



National Information Infrastructure (NII) Pilot Project Implementation in Nagaland as a tool for Good Governance



**Department of Information Technology and Communication
Government of Nagaland**

Signed Copy of selecting Nagaland.

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GOVERNMENT OF INDIA
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MINISTRY OF COMMUNICATIONS AND IT
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी विभाग
DEPARTMENT OF ELECTRONICS AND
INFORMATION TECHNOLOGY
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नई दिल्ली / New Delhi-110003
Website : www.mit.gov.in

30th Sept, 2015
दिनांक/Dated.....

दस्तावेज/Topic:
अकसो प्रसंग :
D.O.NO..... 3(34)/2015-EG-II

Shri Longkumer,

As you are aware that two National level proposals viz BharatNet and National Information Infrastructure (NII) are under active consideration of the Government. The broad scope of NOFN (BharatNet) under DoT would be to provide connectivity upto all 2.5 lakh Gram Panchayats in the country. On the other hand NII under DeityY proposes to integrate various ICT infrastructure created under NeGP and by the States, optimise and economise expenditure on ICT hardware etc. and make available on e-Governance services and also other Social Sector Services like e-Health, e-Agriculture, e-Education, Timeline inclusion etc. upto village level across the country.

2. With a view to understand and get first-hand knowledge, exposure and challenges in bridging the gap, a pilot project on NII has been approved by DeityY for a period of one year. Pilot would be implemented in one each district covering blocks and panchayats in the States/UTs of **Gujarat, Kerala, Karnataka, Uttarakhand, Nagaland, Puducherry and Chandigarh**. We have selected one district in each of these states, (including blocks and Panchayats) where connectivity has already been made available/or shortly would be available by BBNL under NOFN. Further we may need to either upgrade or replace the existing hardware under SWAN and also procure new hardware for the Gram Panchayats. The necessary expenditure on the pilot would be made by DeityY.

3. The SWAN team in DeityY is already working out details and modalities of implementation of the pilot and the team has already discussed on various issues

-:2:-

with your officials. An office Memorandum issued by DeityY bearing number 3(34)/2015-EG-II dated 23.09.2015 relating to **constitution of Implementation & Monitoring Committee** is enclosed herewith for your kind information and necessary action. You have been nominated as member of Implementation & Monitoring Committee.

4. I would request you for necessary support, cooperation and expeditious coordination so as to facilitate achieving objective of the pilot project on NII within the planned time span of one year

Yours sincerely,

A.K. Balani
30/9
(A.K. Balani)

To

Shri Tongtiliba Longkumer
Directorate of IT&C
Government of Nagaland
Civil Secretariat
Kohima, Nagaland - 797001

BACKHAUL LINKS AND THEIR DISTANCES

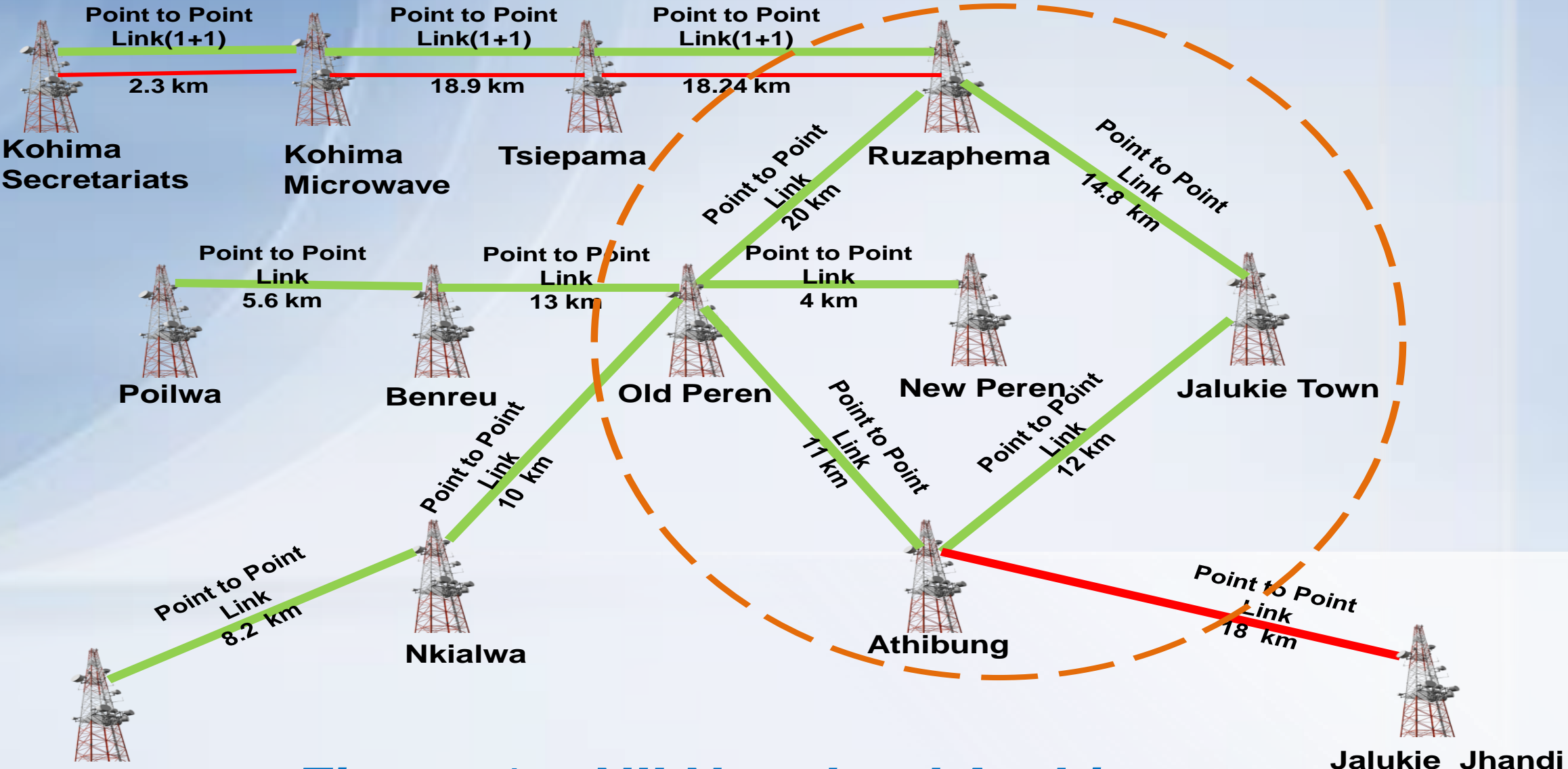
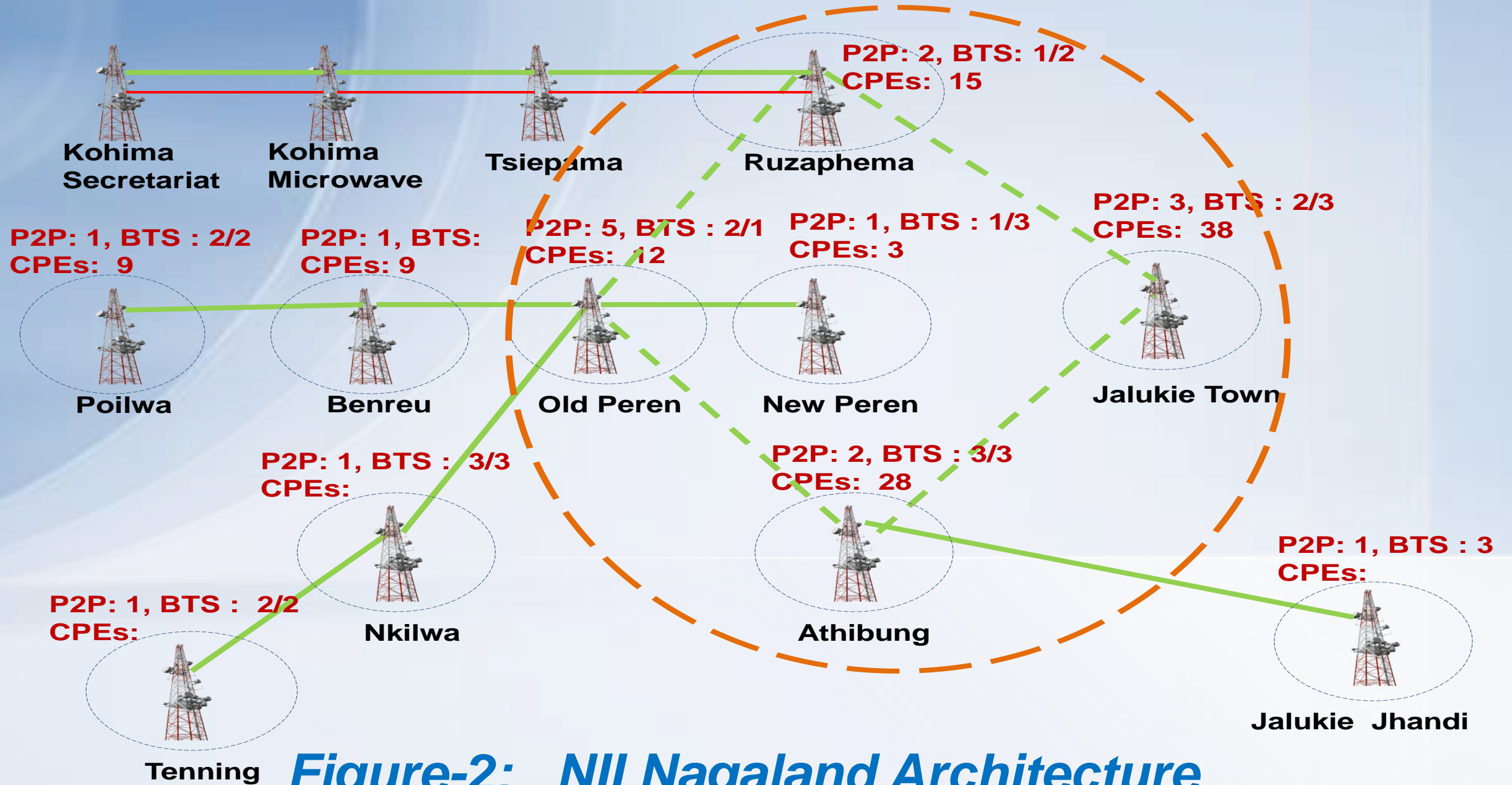


Figure-1: NII Nagaland Architecture

BTS AND CPEs



Components used in the Network

State Headquarter (Kohima):

- MiMax ACS Platform Server. (for mapping all PTP link, BTS and CPE devices)
- Netspan Server HW (Network Management Software to monitor link status).
- Juniper Switches (For routing purpose at all the 13 hops).
- I Bridge 440 PTP (1+1)(for point to point link at all the 13 hops).

BSNL Towers (13 Nos):

- I Bridge 440 PTP (1+1) (for point to point link at all the 13 hops)..
- Ex 3300 Juniper Switch (For routing purpose at all the 13 hops)..
- Air4Gp-W44 Base Station (PTMP) (for connecting to all Customer Premises Equipment at the villages and installed in all the 13 BSNL towers).
- UPS (2 KVA) (for providing uninterrupted power supply).

Customer locations (267 Villages/Locations):

- Airstream 4001 (CPE) (installed in all customer locations to received signal from the base station Air4Gp-W44 base station).

Main Achievements

- Nagaland is the only State in India which is offering wireless solution for connectivity under NII pilot project.
- So far out of Seven States/Union Territories which have taken up NII pilot project only the State of Nagaland has commissioned the project (Commissioned on 6th January 2017).
- The cost of implementing the project (i.e Rs 6.45 Cr with 1 year support and maintenance and 5 years warranty) is the cheapest connectivity solution among the seven States/ Union Territories.
- All Villages in the pilot district (Peren) have been provided high speed broadband facility and e-Governance has become very easy in Peren district.
- This project has been selected as one of the 14 projects in the Country by NITI Aayog, GoI, New Delhi under Development Support Services for States-Infrastructure (D3S-i)

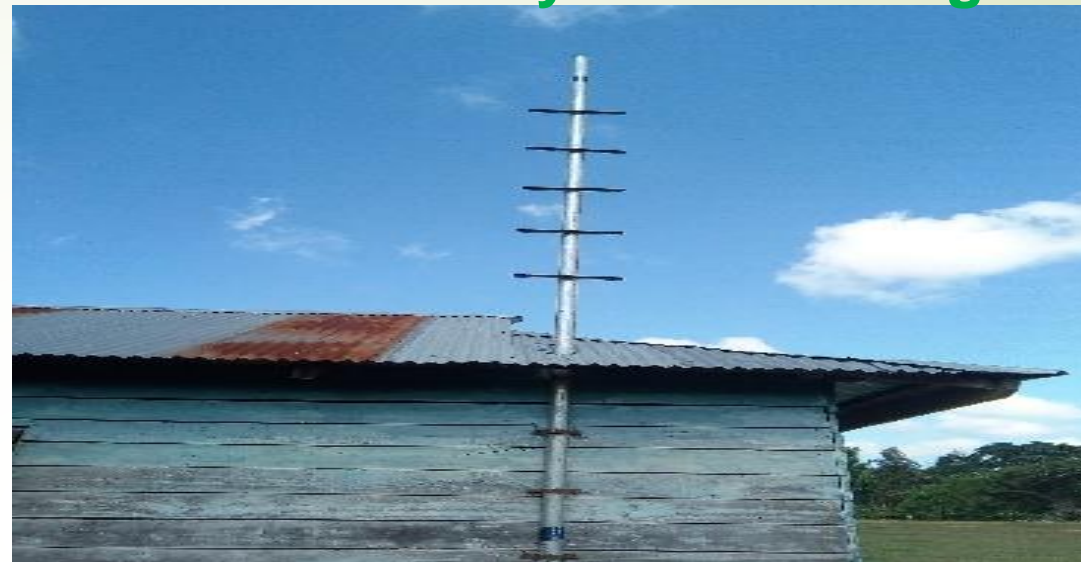
NII as an effective tool for Good Governance-I

- NII is already connected to State Portal, State wide Area Network(SWAN), State data Centre, National Knowledge network(NKN), CSC portal and it is speeding up flow of information to citizens.
- In Nagaland already 74 services are uploaded in the National government service Portal(NGSP) and another 80 services are being added in December 2017 itself and all these services are accessible to citizens in every village in Peren district through NII network.
- Currently Nagaland is the only State in North Eastern region where e-District service implementation ranking is at number one(1) and all e-District services are accessible through NII .
- Direct benefit transfer to citizens, digital payments and other Government schemes are also being promoted through NII.

NII as an effective tool for Good Governance-II

- Through NII network Voice, video and audio communication is possible and now the district administration in Peren District is effectively communicating among themselves and with the citizens.
- NII network is giving high speed internet connectivity and now villagers in Peren District need not come to the State Capital for availing public services like applying for examination, internet banking, air/railway ticketing etc etc.
- In future even Wi-Fi Hotspot, telemedicine, virtual classroom etc is possible as good connectivity which is the main hindrance for good governance and is getting solved through NII.

Installation of Customer Premises Equipment at Village Level indicating how Good Governance can be taken even to very remote villages

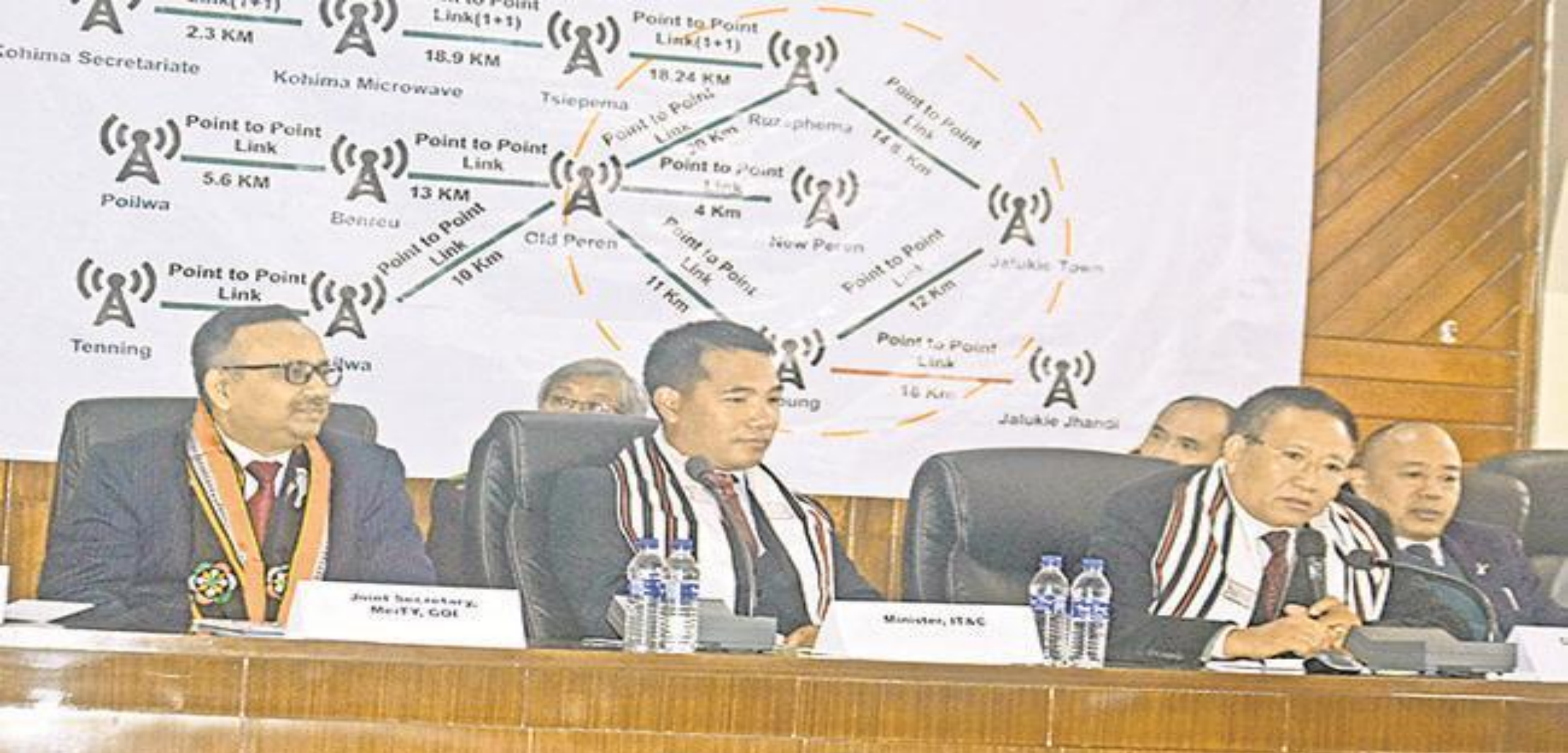


BTS INSTALLATION AT BSNL TOWER



CPE INSTALLATION AT VILLAGES





Hon'ble Chief Minister Shri T.R Zeliang, Nagaland(Right Side),P. Paiwang Konyak, Minister IT&C, Nagaland(centre) and Joint Secretary, Ministry of Electronics and Communication, Government of India(Left Side).



Hon'ble Chief Minister Shri T.R Zeliang, Nagaland(Right Side), Joint Secretary, Ministry of Electronics and Communication, Government of India (Centre) and Chief Secretary, Nagaland(Left Side).



Deputy Commissioner of Peren from the District Headquarter through video conferencing during the launching of NII Pilot Project



Thank You