

BTTB is a PSTN service Provider in public sector.

BTTB also provides data services and leasing out transmission Media of Private Operator engaged in providing Mobile telephone services and PSTN Services.

Present Transmission scenario of Bangladesh

1. Microwave Backbone

- | | |
|--------------------------------|-----------------|
| - Dhaka – Sylhet link | SDH Radio |
| - Dhaka – Mymensing link | PDH Radio |
| - Dhaka – Bogra link | PDH Radio |
| - Dhaka – Khulna link | PDH & SDH Radio |
| - Dhaka – Kushtia link | PDH & SDH Radio |
| - Bogra – Natore – Rajshahi | SDH Radio |
| - Natore – Kushtia | SDH Radio |
| - Khulna – Barisal – Laxmipur | SDH Radio |
| - Barisal – Patuakhali | SDH Radio |
| - Rajbari – Faridpur – Barisal | SDH Radio |
| - Chittagong – Cox's Bazar | PDH & SDH Radio |

2. Optical Fiber Back Bone

- Dhaka – Chittagong
- Bogra – Panchagar
- Kushtia – Satkhira
- Mymensing – Sherpur
- Mymensing – Netrokona

Total working Optical Fiber network 1,396 Km

Dhaka – Mymensing – Bogra 337 Km and
Chittagong – Cox's Bazar 170 Km




507 Km Optical Fiber will be connected to BTTB Network by May' 2006

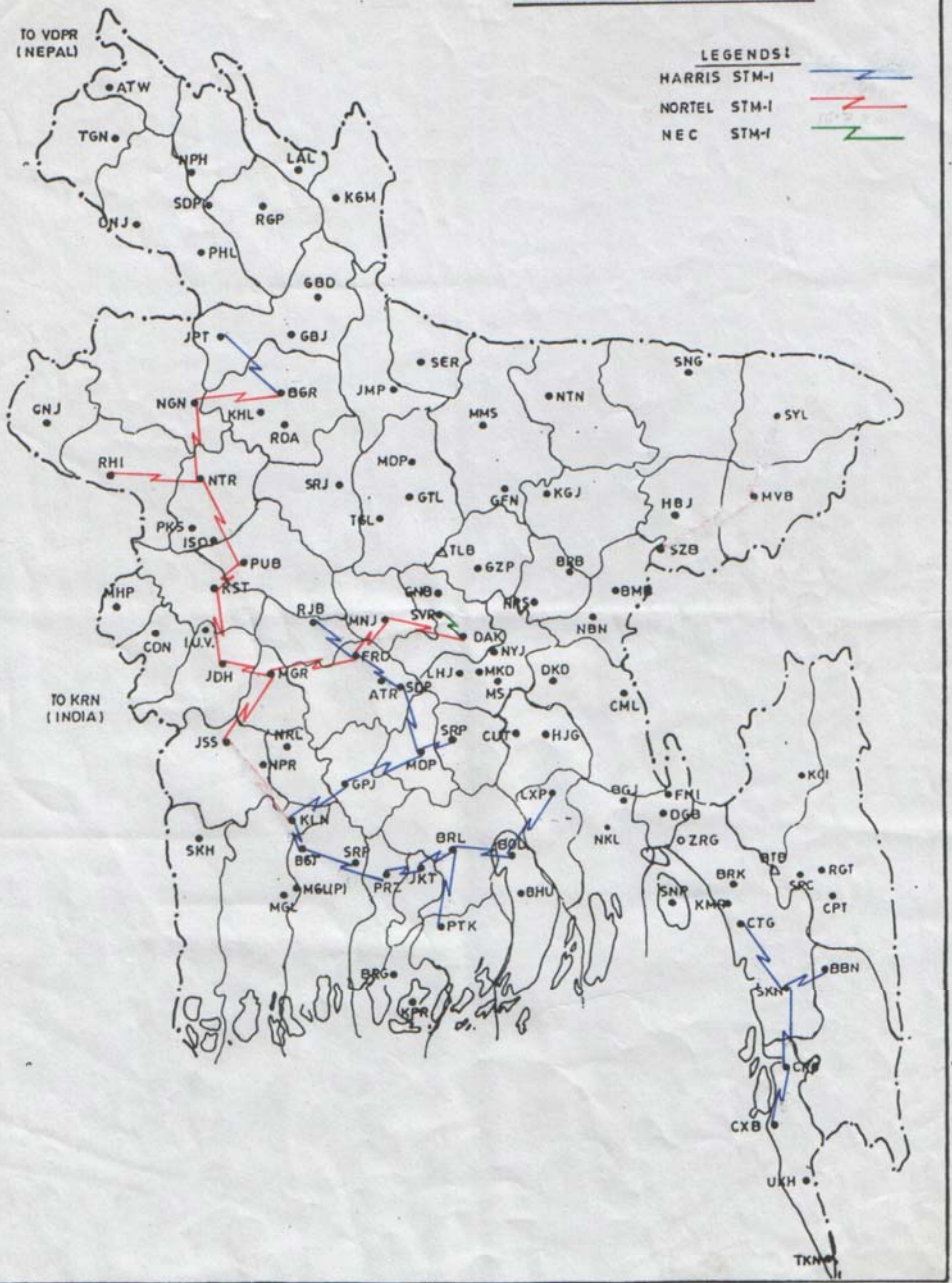
3. Upazilla Radio Link

All Upazila HQs are connected to District HQs by point to point Radio Links.

BTTB SDH M.W. NETWORK.









TO VOPR
(NEPAL)

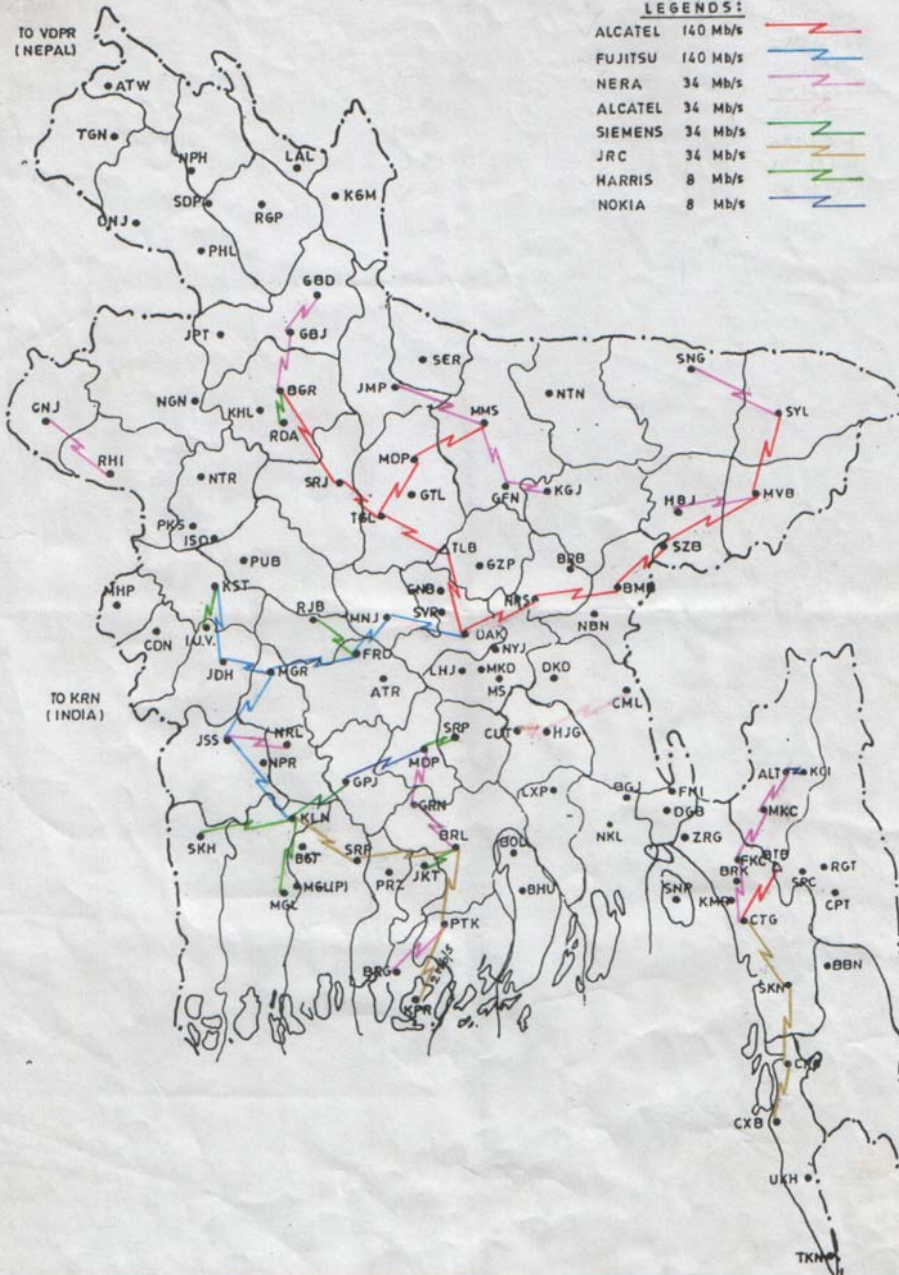
- LEGENDS I**
- HARRIS STM-I 
 - NORTEL STM-I 
 - NEC STM-I 



BTB PDH M.W. NETWORK.


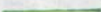

LEGENDS:

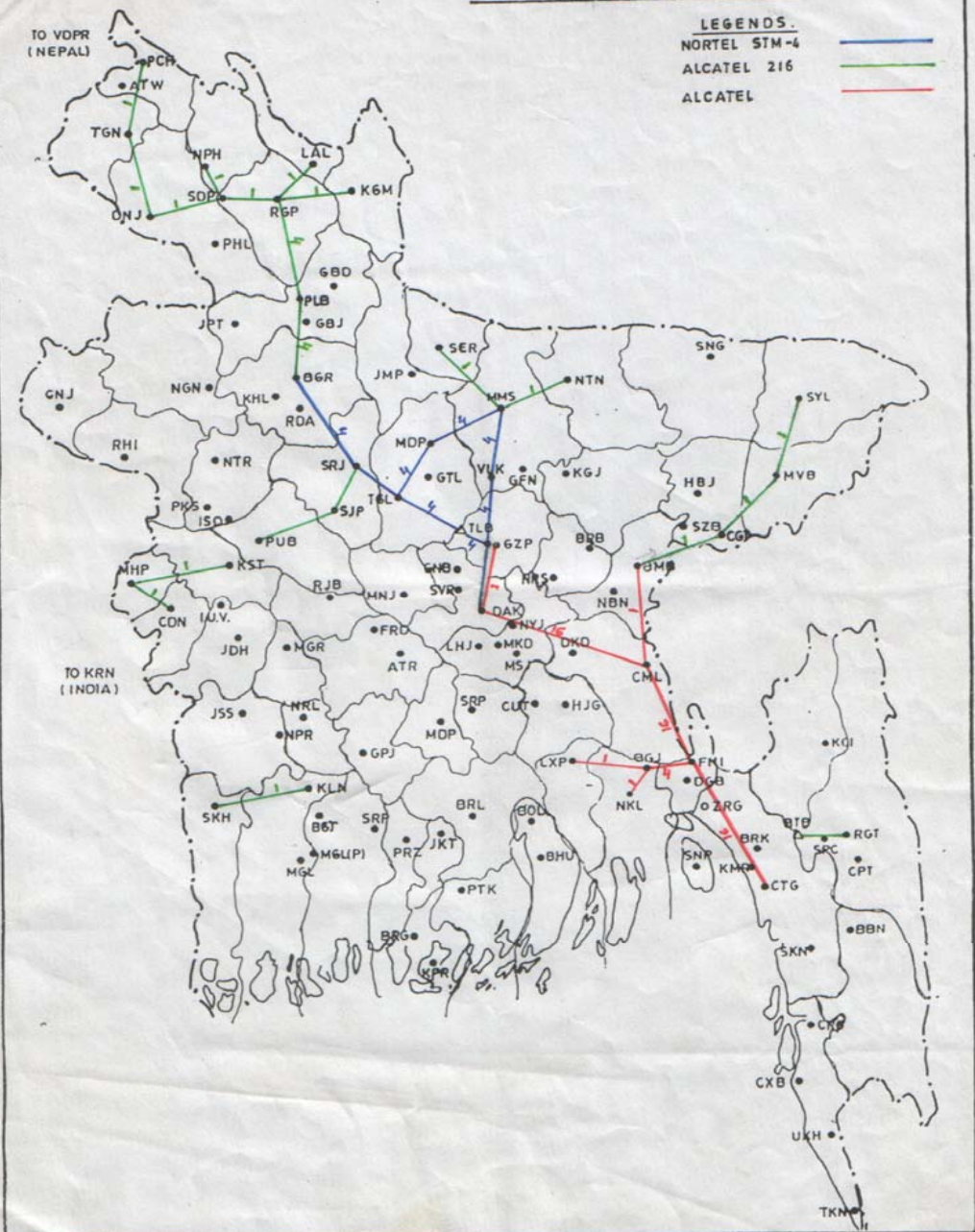
ALCATEL	140 Mb/s	
FUJITSU	140 Mb/s	
NERA	34 Mb/s	
ALCATEL	34 Mb/s	
SIEMENS	34 Mb/s	
JRC	34 Mb/s	
HARRIS	8 Mb/s	
NOKIA	8 Mb/s	



BTTB OPTICAL FIBER NETWORK.

LEGENDS.

- NORTEL STM-4 
- ALCATEL 216 
- ALCATEL 

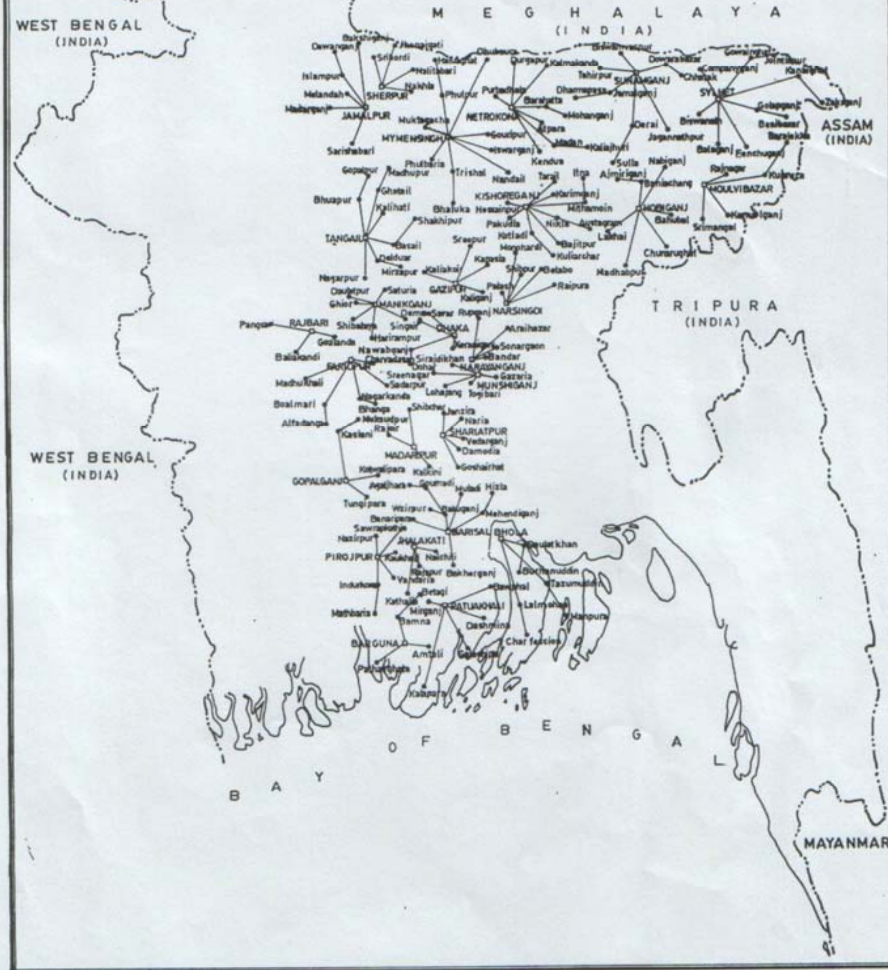


THANA TELECOM. PROJECT

NOKIA UHF DIGITAL RADIO LINKS

TOTAL DISTRICT 27 NOS.
TOTAL THANA/UPAZILLA 165 NOS
DISTRICT H.Q. □
THANA/UPAZILLA H.Q. •

UTR

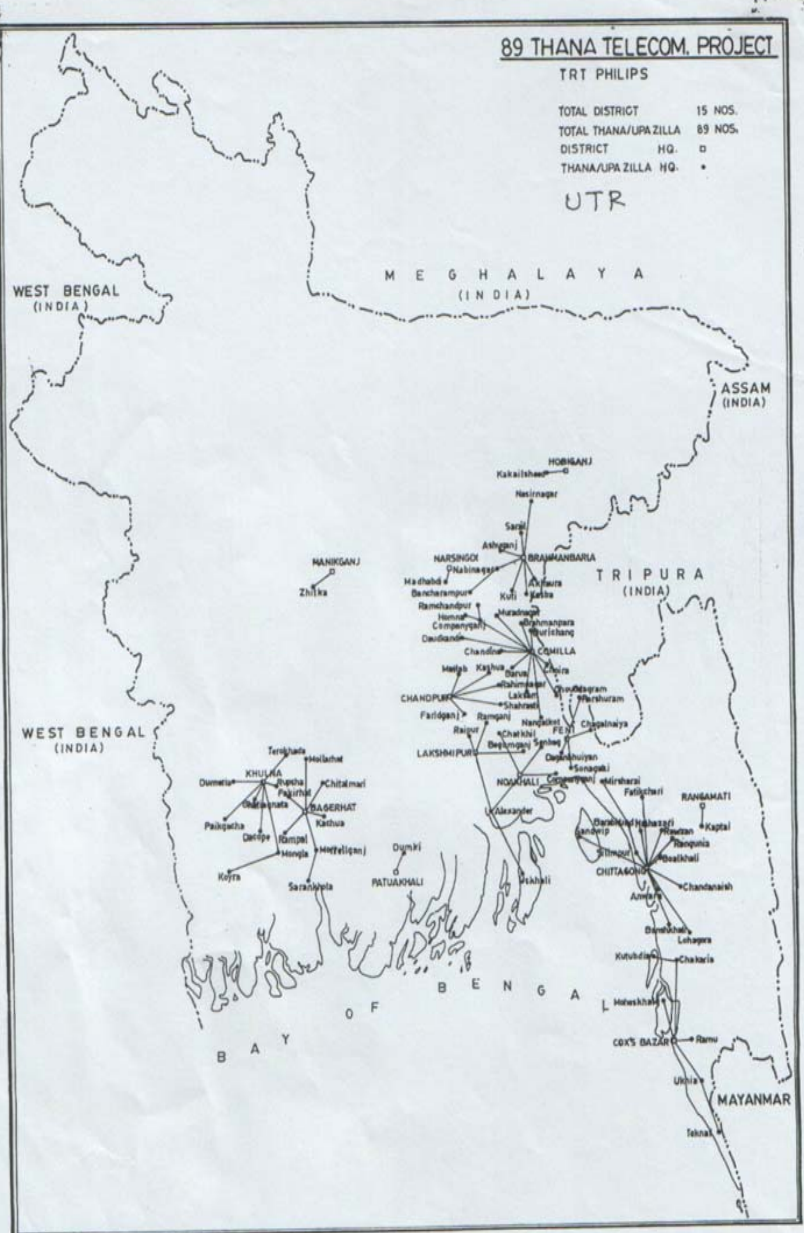


89 THANA TELECOM. PROJECT

TRT PHILIPS

TOTAL DISTRICT	15 NOS.
TOTAL THANA/UPAZILLA	89 NOS.
DISTRICT HQ.	□
THANA/UPAZILLA HQ.	•

UTR



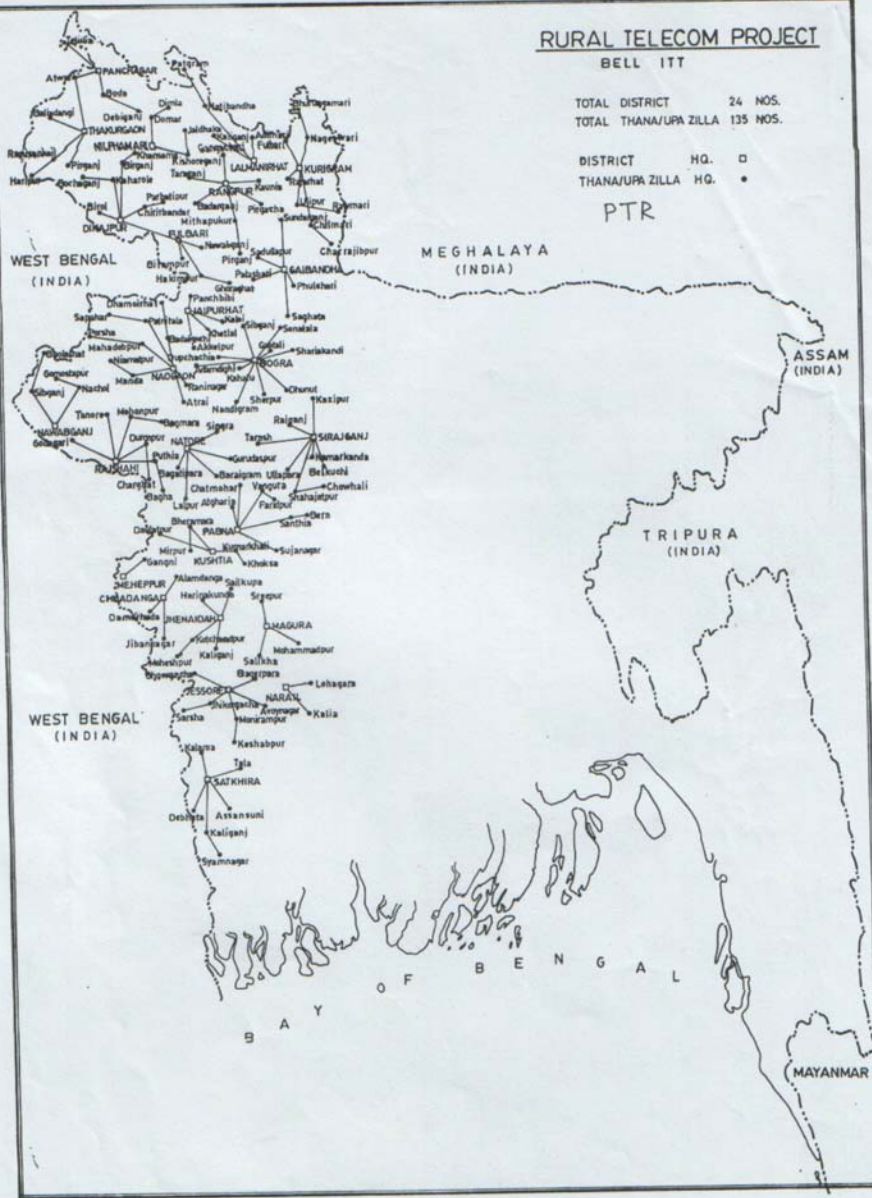
RURAL TELECOM PROJECT

BELL ITT

TOTAL DISTRICT 24 NOS.
TOTAL THANA/UPA ZILLA 135 NOS.

DISTRICT HQ. □
THANA/UPA ZILLA HQ. •

PTR



Digital Data Network (DDN) Nodes: Nationwide

- Dhaka
- Chittagong
- Khulna
- Rajshahi
- Sylhet
- Barisal
- Bogra
- Sunamganj
- Moulavibazar
- Netrokona
- Rangamati
- Gazipur
- Narayanganj
- Mymensingh
- Comilla
- Natore
- Panchgar
- Dinajpur
- Thakurgaon
- Naogaon
- Sirajganj
- Chapai'n'ganj
- Lalmonirhat
- Tangail
- Jhenaidaha
- Joypurhat
- Bagerhat
- Jessore
- Kushtia
- Pabna
- Nilphamari
- Rangpur
- Patuakhali
- Feni
- Noakhali
- Magura
- Faridpur
- B.Barua
- Manikganj
- Munshiganj

BTTB Telephone Exchanges

Total number of Digital Exchanges 270

Moreover EMD analog and CB & Magneto Manual Exchanges are still working in BTTB Network.

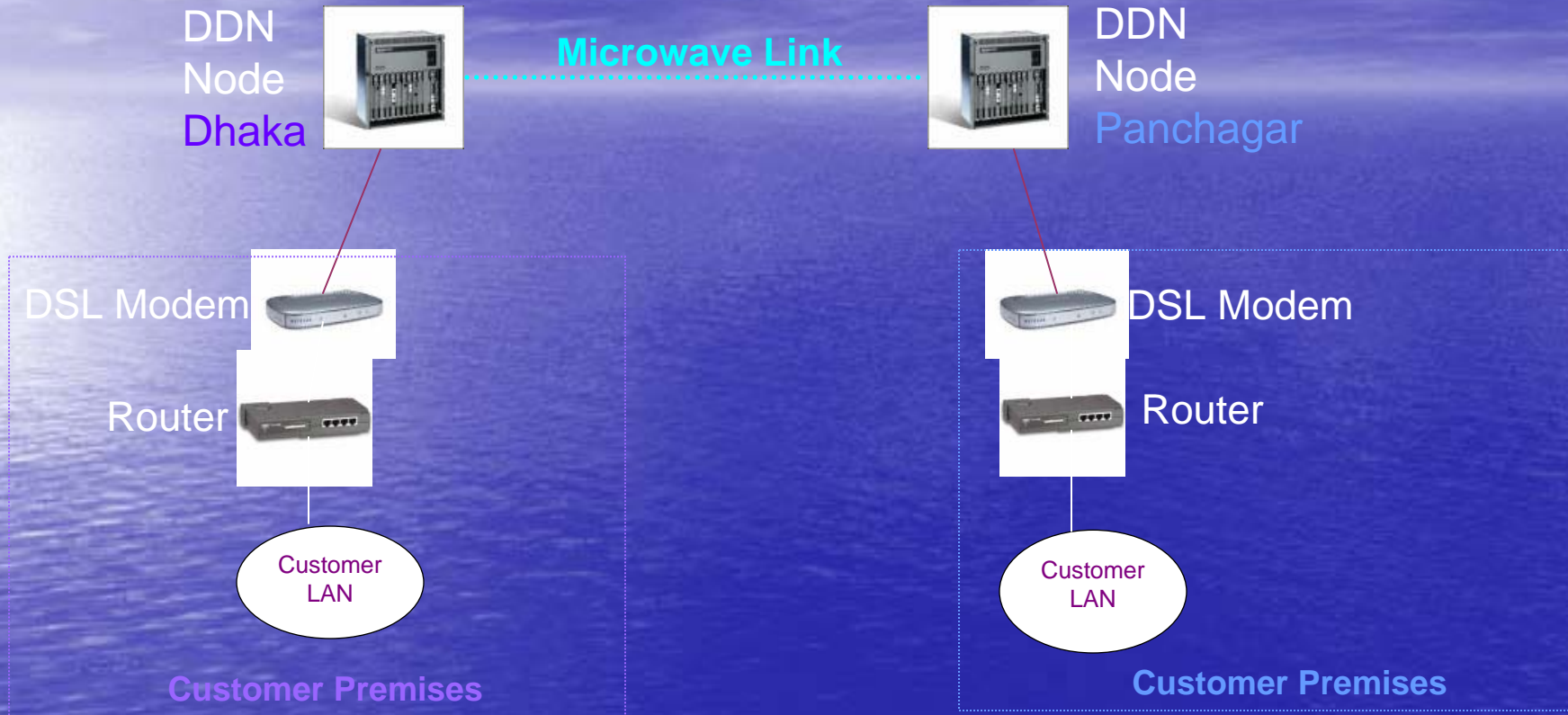
Total number of subscribers are 915000.

Direct dialing Facilities for national and International calls are available from 64 Districts, Upazila HQs having Digital Exchanges and national calls from upazila and growth center having EMD Analog Exchange.

DDN (Digital Data Network) Node are working in 41 Districts where Board Band Internet services are available for corporate users.

Internet services are available for 64 Districts and 206 Upazila.

A Sample Solution: From a Location in Panchagar to Dhaka



* Provides Bandwidth from 64 kbps to 1 mbps with 2-wire DSL Modem

Data Services

- 1. Dial-up Internet : Access code - 0101111
- 2. Lease Internet (dedicated BW 64 Kbps – 2 Mbps)
- 3. Point to point TDM lease lines (64 Kbps – 2 Mbps)
- 4. X.25 Packet switch (8Kbps – 128 Kbps)
- 5. E1 line Driver (2 Mbps) – for ISP and PBX
- 6. Domain registration and hosting
- 7. Wave Hosting

Others services to be launched by BTTB very soon :

1. Frame relay
2. ADSL

BTTB on going Projects

- Installation works of 58 MSU (Digital Exchanges) at district level and 220 RSU (178 upazila+42 GC) together with 185 digital UHF radio links to connect with districts HQs.
- Hill Tracts project – 25 Digital Exchanges and Digital Microwave link will be install at 22 Upazila and 3 growth center of Chittagong hill tract area to connect upazila HQs/growth center with District HQs
- Up-gradation of Dhaka – Chittagong Optical Fiber link up to STM 64.
- Expansion of Chittagong – Cox's Bazar SDH Microwave Link Up to 3+1 configuration.

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- Expansion of Dhaka – Khulna, Bogra – Natore – Rajshahi, Natore – Pabna – Kushtia SDH Radio link Up to 3+1 Configuration
- Bogra – Nator- Rajshahi –Chapai Nawabganj Optical Fiber link.
- Keraniganj –Srinagar Optical Fiber link.
- Srinagar – Madaripur new SDH Radio link.
- After implementation for Keraniganj –Srinagar Optical Fiber link and Srinagar – Madaripur new SDH Radio link there will be a ring Network between Dhaka – Barisal, Barisal - Khulna and Dhaka – Khulna as well.


Approved Project

GMDSS (Global Maritime Distressed Safety system) in collaboration with Ministry of Shipping.

Under this Project two base stations one at Silimpur (Chiitagong) another at Mongla (Bagerhat), one Monitoring station in Dhaka and Microwave links to be installed along the costal belt.

After implementation Communications will be passable with ships in deep sea through IMMERSAT.

1. Disasters Management Bureau can act as a coordinator to integrate the services of all public utility departments to cope with the havoc caused by natural disaster.
2. BTTB can render all its existing facilities using own resources and also sharing resources with other private Operators at the time of disaster.
3. In addition to existing facilities, BTTB can provide services or Procure equipments such as long haul VHF point to point radio equipments, HF radio sets to access the remote areas to send voice as well as data to be needed at the time of natural disaster like cyclone, earthquake, tsunami as per the request of Disasters Management Bureau



Mobile Telephone services provided by private and public limited company can be used to collect information from the place occurrence.



Thank You