Country Updates

on

Internet Network Traffic Management and E-resilience

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ICT in Bangladesh

❖Election Pledge of the present government to endeavoring vision 2021: Digital Bangladesh is now a national motto.

❖Bangladesh sets a Vision to form Digital Bangladesh, a middle income country by 2021.

❖Bangladesh Government is way forward in ensuring extensive use of ICT in all development sectors.

❖ICT infrastructures like Hi-tech Parks, Software Technology Park, ICT Incubators were established.

❖It promotes the expansion of ICT uses in the business areas as well as in educational sectors to ensuring business oriented skill developments.

ICT in Bangladesh
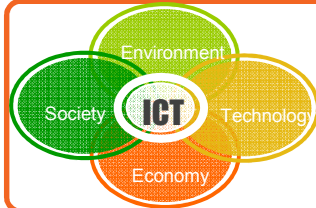
➢National ICT infra-network is established with a view to form a networked society in Bangladesh to bridge the digital divides.

➢Promoting of e-services to provide services at the doorstep of people. District and upazila e-center along with Union Digital Center (UDC) are playing vital roles in digital inclusion in Bangladesh.

➢Three thousand five hundred and forty four computer labs have been established. Establishment of 2001 highly specialized labs is already complete, including which 65 are IT based language training labs where 9 internationals languages will be taught.

➢National Data Center and the motive of substantial use of ICT based data in our day to day activities are being developed significantly.
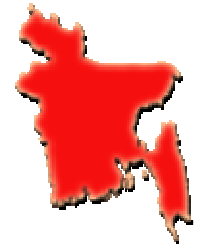
International Connectivity

- Bangladesh has all three types of international connectivity
- International terrestrial connectivity
- Submarine cable connectivity
- Satellite connectivity
- Terrestrial link has a connection of 80 Gbps
- Submarine cable has a connection of 30 Gbps
- Satellite connection 24/8 Mbps
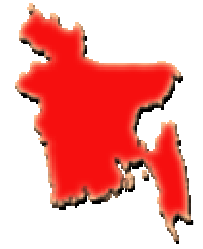
International Connectivity

1. Bangladesh's primary international link is the Sea-Me-We-4 Europe-to-Asia cable, which was activated in Jhilongja, Cox's Bazar in May of 2006 (the cable was significantly delayed due to the construction of the Chittagong-Cox's Bazar fiber link; the Bangladeshi landing point entered service seven months after the rest of the cable's landing points and a year after Alcatel-Lucent completed installation of the Bangladeshi segment and construction of the cable landing station). The cable was upgraded in 2012, providing its Bangladeshi landing party, the Bangladesh Submarine Cable Company Ltd., with 200 Gbps, of which it reported a utilization rate of only 20 percent. BSCCL's largest customer is Bangladesh Telecommunications Company Ltd. (BTCL).
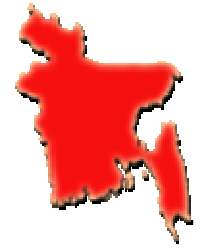
International Connectivity

2. Six "International Terrestrial Cable" (ITC) operators were licensed in 2012: 1Asia-AHL Joint Venture, BD Link Communication, Fiber@Home, Mango Teleservices, Novocom, and Summit Communications.

3. The interconnection of BTCL's network with that of Indian operator BSNL was completed via a terrestrial cable that entered service in late-2010, connecting Chuadanga of Bangladesh to Kolkata of India via a new 25-kilometer link through Darshana and Krishna Nagar of India.

4. A cable linking Bangladesh to the Bharti Airtel network in India entered service in July of 2013, linking Bangladesh with Benapole and Petrapole of India.

International Connectivity

5. Tata Communications is reportedly in the process of implementing an India-Bangladesh connection in partnership with Bangladeshi ITC operator BD Link, connecting Benapole, Bangladesh to Bangaon (West Bengal), India.

6. The Sea-Me-We-5 Europe-to-Asia cable, expected to enter service in 2016, will land at Kuakata in the southern district of Patuakhali. BSCCL invested BDT 560 crore (USD$72 million) and will receive 1.4 Tbps of capacity through it.

7. Myanmar Posts and Telecommunications (MPT) and BSCCL are implementing a terrestrial link between Myanmar and Bangladesh in order to provide Bangladesh with connectivity to Sea-Me-We-3 and Myanmar with connectivity to Sea-Me-We-4. The Bangladesh Submarine Cable Company Ltd. (BSSCL) has reportedly budgeted $2.75 million for their share of the project, which would include a 50-kilometer link between its Cox's Bazar landing station and the Myanmar border.

Domestic Connectivity

ationwide transmission network that spanned 5,000 kilometers
ell as a microwave network connecting 88 points.

awarded two licenses for Nationwide Telecommunication
rk (NTTN), to Summit Communications Ltd. and Fiber@Home.

cations Ltd.'s domestic network spans about 15,000 kilometers
er backbone, a fiber pair leased from Power Grid Company of
and leased capacity from other operators.