A4AI-Bangldesh Working Group meeting, July 9, 2018

Strategy development to achieve broadband development through specific activity plan

Group 3

Members:

1. Dr. Bikarna Kumar Ghosh, Project Director-Info Sarkar 3, ICT Division
2. Khurshid Hasan, Manager-Regulatory Affairs, edotco Bangladesh
3. Md. Zahidul Islam, Assistant Programmer, DoICT
4. Hasan Uj Jaman, Architect (Enterprise & Data Center), BCC

Outcomes of the discussion - Submitted in September

Vision statement of Bangladesh's Broad Band development

Affordable Broadband Internet for All by 2021

Connectivity goal: **100 MBPS connectivity at home user level across the country.**

Strategic Objectives:

1. Human Resources (Skill Sets) development in IT/ITES sector
2. Connectivity up-to citizen's doorstep
3. ICT infrastructure & industry development
4. Affordability and inclusiveness
5. E commerce, Localized Content & Remote Education
6. Enabling online access to Health safety, Security & Citizen Services
7. Reliable & Resilient Broadband Infrastructure
8. Broadband friendly policy & regulatory framework
9. Technology adaptation, convergence & innovation
10. Safe Internet

1. *__Human Resources (Skill Sets) development in IT/ITES sector__*

Achievements	Targets for 2021
Yearly 30,000 graduation in IT	Increasing up to 50,000 graduation per year and to improve quality competitive internationally
Around 700,000 skilled manpower in outsourcing	Targeted number of expertise to be reached up to Two Million
Earning of around 750 Million USD per year from outsourcing market	Target as Five Billion USD by 2021
ICT training to 30,000 women for social & economic development by the ICT Division LED project LICT project She Power	Targeted group for women training 150,000
ICT compulsory in secondary education level	
High School Programming Contest	
Collegiate programming contest	
Specialized labs in universities	

2. Connectivity up-to citizen's doorstep

Achievements	Targets for 2021
Connectivity establishment up to Upazila Level	Doorstep connectivity will be provided through establishing digital connectivity project
BTCL has connected 1100 unions	
BCC is connecting another 2600 unions by December 2018. (600 connections are already made)	
Launching of Bangabandhu Seattleite for remote connectivity	
770 connectivity at remote union level through microwave & other radio technology using SOF.	

4500+ Union Digital Centres providing > 140 types of services to citizens Public exam results, passport, different forms, land records,	70% of total public services will be provided through internet (number/type)
Mobile penetration to >140 million (>90%) Internet penetration 80 million (around 50%) Fixed household connectivity 5%	20% of the total household will be connected through fixed broadband (OFC) Increase DGP by 1%

3. **ICT infrastructure & industry development**

Achievements	Targets for 2021
Various yearly summit, workshop & ICT fairs (Digital World, ICT Expo, BPO Summit, Connecting Start UP)	Exposure at international level and forums & capacity development
Tax reduction/Tax holiday	Further incentive for heavy investment in ICT
Cash incentive	Huge investment in ICT
Public private partnership	
Ready utility for ICT investors	
Hi-Tech Parks (three has already completed i.e.: Kaliakoir Bangabandhu Hi-Tech City, Sheikh Hasina Software Technology Park, Janata Tower Technology Park)	Targeted number of Hi Tech Park is 30 (Sylhet Electronic City, 12 IT Parks at District Level, 7 at Greater Districts)
20,000 km of optical fiber cable deployment under Info Sarkar Phase 3	
National Data Center	Regional Data Center
DRS, e government ERP & Master Plan	

4. **Affordability and Inclusiveness**
- Reduction of transmission cost
- Develop policy for industry incentive
- Capacity building at local ISP level for doorstep connectivity for quality of service
- Reduction of regulatory fees, taxation and charges for remote service providers
- Special projects and expansion plan to cover the underserved and geographically challenging areas

7. **Reliable & Resilient Broadband Infrastructure**
- Redundant High Speed ASON Transmission network

- Ring & Mash Network Deployment considering geographical redundancy
- Access network standardization and incentivising
- Planned transmission capacity forecasting future demand
- CDN deployment across the country
- Service monitoring and service level development at hierarchal level
- Coordination and assurance of least possible damage at inter operator level
- GIS mapping for underground fiber

8. **Broadband friendly policy & regulatory framework**
    - Up gradation of Broadband Policy targeting maximum penetration
    - Redefining broadband from 5MBPS to 100 MBPS & above
    - Maximum service incentive for penetration in remote areas
    - Process simplification for license awarding at local ISP level
    - Facilitation focused regulatory policy
    - Policy reviewing to minimize operational obstacles

9. **Internet Safety:**
- Privacy act and data protection act
- Internet Safety and awareness building for students, parents and professionals
- Research and avail content for internet safety to all

connectivity options for broadband in Bangladesh?

Connectivity Goal:

Integrated Platform for Tomorrow

Establishing Digital Connectivity