A4AI-Bangladesh Working Group meeting, July 9, 2018

Strategy development to achieve broadband development through specific activity plan

Group 3

Members:

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3. Md. Zahidul Islam, Assistant Programmer, DoICT
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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

<table>
<thead>
<tr>
<th>Achievements</th>
<th>Targets for 2021</th>
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<tbody>
<tr>
<td>Yearly 30,000 graduation in IT</td>
<td>Increasing up to 50,000 graduation per year and to improve quality competitive internationally</td>
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<tr>
<td>Around 700,000 skilled manpower in outsourcing</td>
<td>Targeted number of expertise to be reached up to Two Million</td>
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<td>Earning of around 750 Million USD per year from outsourcing market</td>
<td>Target as Five Billion USD by 2021</td>
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<td>ICT training to 30,000 women for social &amp; economic development by the ICT Division</td>
<td>Targeted group for women training 150,000</td>
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<td>LED project</td>
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<td>LICT project</td>
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<td>She Power</td>
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<td>ICT compulsory in secondary education level</td>
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<td>High School Programming Contest</td>
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<td>Collegiate programming contest</td>
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<td>Specialized labs in universities</td>
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### 2. Connectivity up-to citizen’s doorstep

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<tr>
<th>Achievements</th>
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<tr>
<td>Connectivity establishment up to Upazila Level</td>
<td>Doorstep connectivity will be provided through establishing digital connectivity project</td>
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<td>BTCL has connected 1100 unions</td>
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<td>BCC is connecting another 2600 unions by December 2018. (600 connections are already made)</td>
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<td>Launching of Bangabandhu Seattleite for remote connectivity</td>
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<td>770 connectivity at remote union level through microwave &amp; other radio technology using SOF.</td>
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<td>4500+ Union Digital Centres providing &gt; 140 types of services to citizens</td>
<td>70% of total public services will be provided through internet (number/type)</td>
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<td>Public exam results, passport, different forms, land records,</td>
<td>Mobile penetration to &gt;140 million (&gt;90%) Internet penetration 80 million (around 50%) Fixed household connectivity 5%</td>
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3. **ICT infrastructure & industry development**

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