**Grant No. 25**

**128 - Information & Communication Technology Division**

**Medium Term Expenditure**

(Taka in Thousands)

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | **Budget**  **2020-21** | **Projection** | |
| **2021-22** | **2022-23** |
| Operating Expenditure |  |  |  |
| Development Expenditure |  |  |  |
| **Total** |  |  |  |
|  | | | |
| Recurrent |  |  |  |
| Capital |  |  |  |
| Financial Asset |  |  |  |
| Liability |  |  |  |
| **Total** |  |  |  |

**1.0 Mission Statement and Major Functions**

**1.1 Mission Statement**

Trustworthy digital retreat at grassroot level, information technology based human resource development, export-oriented development of IT industry and establishment of a prosperous Sonar Bangla through the use of citizen-friendly IT technology.

**1.2 Major Functions**

* + 1. Assisting the ministries/ agencies through implementing e-Government and e-Infrastructure;
    2. Conducting publicity to take ICT services to the door steps of people;
    3. Formulation of acts, policies and strategies etc. for ICT Division;
    4. Preparing a guideline (roadmap) for making ICT services commercially profitable;
    5. Coordination among different ministries and agencies on ICT related issues;
    6. Implementation of recommendations of Digital Bangladesh Task Force;
    7. Updating different activities through survey, design, research etc, and broadcast them, and
    8. Taking initiatives to engage Bangladesh with ICT development activities in the international arena.

**2.0 Medium Term Strategic Objectives and Activities**

| **Medium-Term Strategic Objectives** | **Activities** | **Implementing Departments/Agencies** |
| --- | --- | --- |
| **1** | **2** | **3** |
| 1. Strengthening e-Governance Framework | * Provide support regarding ICT to all government offices at field level. | * Directorate of ICT |
| * Inspection of offices and establishments of licensed CAs | * Controller of Certifying Authorities |
| 1. Human Resource Development on ICT sector and Enhancement of mass awareness | * Arrange ICT-related conference/ seminar/workshop and digital fair | * Secretariat * Bangladesh Computer Council |
| * Provide fellowship/scholarship for research work and grants for innovative projects on ICT | * Secretariat |
| * Conduct ICT-related training programs at division, district and upazila level * Arrange competitions on ICT * Conduct examinations for enhancement of skills of ICT professionals | * Bangladesh Computer Council |
| * Conduct training programs to introduce Digital signature * Arrange seminar/workshops on cyber security and digital signature at national level * Distribution of digital signature certificate | * Controller of Certifying Authorities |
| * Establishment of ICT Lab in educational institutions * Develop skilled women entrepreneurs through ICT training * Training on e-nothi, portal and information technology at field level | * Directorate of ICT |
| * Conduct training Programme on IT skill/freelancer | * Bangladesh Hi-tech Park Authority |
| 1. Development of ICT Infrastructure | * Establish Hi-Tech Park/IT Village/ICT Incubator/Software Park/Private STP at divisional and district level | * Bangladesh Hi-tech Park Authority |
| * Provide broadband connections at union level | * Bangladesh Computer Council |
| 1. Development of ICT Industry | * Organize Digital World Event | * Bangladesh Computer Council |
| * Provide fund and technical assistance to Start-Up/Idea under innovation planning and entrepreneurship development academy |
| * Provide Co-working Space with Mentoring facilities to Start-Ups |
| * Participation in international conferences/events |

**3.0 Poverty and Gender Reporting**

**3.1 Impact of Medium Term Strategic Objectives on Poverty Reduction and Women's Advancement**

**3.1.1 Strengthening e-Governance framework**

**Impact on Poverty Reduction:** Poverty reduction is being done by job creation for poor, meritorious and IT savvy unemployed people by organizing job fairs specially for trained and educated unemployed youths.

**Impact on Women’s Advancement:** Direct and indirect effect has been made through creating employment of IT skilled women.

**3.1.2 Human resource development in ICT sector and enhancement of mass awareness**

**Impact on Poverty Reduction:** Different trainings on ICT are being provided at grass-root level to develop skill of ICT professionals, to create opportunities for enhanced income-generating activities for making suitable for local and international market which assists to reduce poverty.

**Impact on Women’s Advancement:** Women are being involved in all the trainings including trainings which are arranged only for women. Through this, women entrepreneurs are being created through women’s empowerment, enhancing competence and income generating activities.

**3.1.3 Development of ICT Infrastructure**

**Impact on Poverty Reduction:** Employment opportunities for the poor are being created as a result of ICT related infrastructure development activities resulting poverty reduction.

**Impact on Women’s Advancement**: In ICT work-plan, priority is being given to women’s participation to create equal opportunity. Women’s participation in infrastructure development activities is also creating employment opportunities for them.]

**3.1.4 ICT industry development**

**Impact on Poverty Reduction:** By attracting domestic and foreign investments in information technology, export earning of ICT sector is increasing and generating huge employment and reducing poverty.

**Impact on Women's Advancement:** Indirect effect has been increasingly made this sector through employment generation of IT skilled women. This is creating huge opportunities for women entrepreneurs to participate in the ICT industry.

**3.2 Poverty Reduction and Women’s Advancement Related Spending**

(Taka in Thousands)

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | **Budget**  **2020-21** | **Projection** | |
| **2021-22** | **2022-23** |
| Poverty Reduction |  |  |  |
| Gender |  |  |  |

**4.1 Priority Spending Areas/Schemes**

| **Priority Spending Areas/Schemes** | **Related Medium Term Strategic Objectives** |
| --- | --- |
| 1. **Development of ICT Infrastructure**  In order to provide faster service to citizen by using more ICTs in the ministry/divisions and government agencies, priority has been given for improving infrastructure in the ICT sector | * Strengthening e-Governance Framework] * [Development of ICT Infrastructure |
| 2. **Establishment of** Digital Bangladesh  Information Technology is imperatives for building Digital Bangladesh. Also, it is necessary to create skilled manpower and entrepreneurs in this sector. So, in Bangladesh, IT sector has been given priority to establish as a important sector of earning foreign currency. | * Strengthening e-Governance Framework] * Human resource development on ICT sector and enhancement of mass awareness] * [Development of ICT Infrastructure |

**4.2 Medium Term Expenditure Estimates and Projection (2020-21 to 2022-23)**

**4.2.1 Expenditure by Department/Agencies/Institutional Units**

(Taka in Thousands)

| **Description** | **Budget** | **Revised** | **Budget**  **2020-21** | **Projection** | |
| --- | --- | --- | --- | --- | --- |
| **2019-20** | | **2021-22** | **2022-23** |
|  |  |  |  |  |  |

**4.2.2 Expenditure by Economic Group Wise**

(Taka in Thousands)

| **Economic**  **Group** | **Description** | **Budget** | **Revised** | **Budget**  **2020-21** | **Projection** | |
| --- | --- | --- | --- | --- | --- | --- |
| **2019-20** | | **2021-22** | **2022-23** |
|  |  |  |  |  |  |  |

**5.0 Key Performance Indicator (KPIs)**

| **Indicator** | **Related Strategic Objectives** | **Unit** | **Revised**  **Target** | **Actual** | **Target** | **Revised Target** | **Medium Term Targets** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2018-19** | | **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| 1. Increasing use of e-services | 1,4 | Number | 15 |  | 16 |  | 18 | 20 |  |
| 1. Increasing Information Technology Export | 2,3,4 | Billion Taka | 45 |  | 55 |  | 60 | 65 |  |
| 1. Expansion of broadband connectivity | 1 | % | 80% |  | 90% |  | 95% | 100% |  |
| 1. Establishment of hi-tech park/ software park across the country | 3 | Number | 8 |  | 10 |  | 11 | 12 |  |
| 1. Employment Generation through IT Skills/Freelancers Training | 2 | Number (thousand) | 7 |  | 15 |  | 25 | 35 |  |

**6.0 Recent Achievements, Activities, Output Indicators and Targets and Expenditure Estimates of the Departments/Agencies**

**6.1 Secretariat**

**6.1.1 Recent Achievements:** Information and Communication Technology Division has set up Sheikh Russell Digital Lab in 2901 educational institutions, Connectivity in 18,500 government offices at district and upazila levels, 800 video conferencing systems, 254 agricultural information & communication centres and 25 telemedicine centres within the country. 25,000 tabs have been distributed among government officials. 21 textbooks have been converted into digital multimedia texts for the ‘first-to-fifth’ grade students of primary school. National Emergency Service '999' has been launched to provide emergency services (Police, Ambulance, Fire) to people.

**6.1.2 Activities, Output Indicators and Targets**

| **Activities** | **Output Indicator** | **Related Strategic Objectives** | **Unit** | **Revised Target** | **Actual** | **Target** | **Revised Target** | **Medium Term Targets** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2018-19** | | **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| 1. Arrange ICT-related conference/ seminar/workshop/digital fair | Fair/ workshop organized | 2 | Number | 10 |  | 12 |  | 14 | 16 |  |
| 2. Provide fellowship/scholarship for research work and grants for innovative projects on ICT | persons/ institutions received grants | 2 | Number | 170 |  | 170 |  | 180 | 185 |  |

**6.1.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects**

(Taka in Thousands)

| **Name of the Institutional Unit/Scheme/ Project** | **Related Activity** | **Actual**  **2018-19** | **Budget** | **Revised** | **Medium Term Expenditure Estimates** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
|  |  |  |  |  |  |  |  |

**6.2 Bangladesh Computer Council**

**6.2.1 Recent Achievements:** As part of the e-governance implementation 18,434 government offices have been connected to the national e-government network; Broadband internet connection has been provided in 2000 Unions; Capacity of National Data Centre has been enhanced; Disaster Recovery Centre has been established in Jessore; With a view to simplifying e-services delivery like e-Recruitment System, Project Tracking System, Food Grain Procurement Management System and online system for Geo-spatial data management service ‘GeoDash’ has been developed under National Enterprise Architecture (NEA). A total of 43631 people including 691 persons with disabilities were trained in the last 3 years; Job placement of 330 persons with disabilities through job fair.

**6.2.2 Activities, Output Indicators and Targets**

| **Activities** | **Output Indicator** | **Related Strategic Objectives** | **Unit** | **Revised Target** | **Actual** | **Target** | **Revised Target** | **Medium Term Targets** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2018-19** | | **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| 1. Arrange ICT-related conference/ seminar/workshop and digital fair | organized  Fair/workshop | 2 | No. | 30 |  | 30 |  | 30 | 35 |  |
| 1. Conduct ICT-related training programs at division, district and upazila levels | trained Person | 2 | No (thousand) | 4.50 |  | 5.00 |  | 5.50 | 6.00 |  |
| 1. Arrange competitions on ICT sector | organized Competitions | 2 | No (thousand) | 6 |  | 6 |  | 8 | 9 |  |
| 1. Conduct examinations for ICT professionals | trained Professionals | 2 | No.  (thousand) | 0.75 |  | 0.80 |  | 0.85 | 0.90 |  |
| 1. Provide broadband connections at union level | established Connections | 3 | No. | 3372 |  | 300 |  | 472 | 500 |  |
| 1. Organize Digital World Event | Participated  Institutions | 4 | No | 200 |  | 200 |  | 210 | 220 |  |
| 1. Provide fund and technical assistance to start-up/Idea under innovation planning and entrepreneurship development academy | Start-up / Idea | 4 | No | 50 |  | 55 |  | 60 | 65 |  |
| 1. Provide co-working space with mentoring facilities to start-ups. | Beneficiary | 4 | No | 30 |  | 35 |  | 40 | 45 |  |
| 1. Participation in international conferences/events | Participated Events | 4 | No | 4 |  | 5 |  | 6 | 7 |  |

**6.2.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects**

(Taka in Thousands)

| **Name of the Institutional Unit/Scheme/ Project** | **Related Activity** | **Actual**  **2018-19** | **Budget** | **Revised** | **Medium Term Expenditure Estimates** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
|  |  |  |  |  |  |  |  |

**6.3 Bangladesh Hi-tech Park Authority**

6.3.1 **Recent Achievements**: Bangladesh High-Tech Park Authority has completed the work of Sheikh Hasina Software Technology Park, Jessore. In these two software technology parks, 1857 persons are working. Bangladesh High-Tech Park Authority has trained up 10500 persons out of, 4456 persons have been provided employment. Additionally, 5872 persons are working in 13 private software technology parks.

**6.3.2 Activities, Output Indicators and Targets**

| **Activities** | **Output Indicator** | **Related Strategic Objectives** | **Unit** | **Revised Target** | **Actual** | **Target** | **Revised Target** | **Medium Term Targets** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2018-19** | | **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| 1. High-tech Park /IT Village/ICT Incubator/ Software Park / Private STP Installation at Division and District Level | established Park | 3 | Number] | 6 |  | 8 |  | 9 | 10 |  |
| 1. Training on IT skill / freelancing | Trained manpower | 2 | [Number Thousand | 7 |  | 10 |  | 15 | 25 |  |

**6.3.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects**

(Taka in Thousands)

| **Name of the Institutional Unit/Scheme/ Project** | **Related Activity** | **Actual**  **2018-19** | **Budget** | **Revised** | **Medium Term Expenditure Estimates** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
|  |  |  |  |  |  |  |  |

**6.4 Controller of the Certifying Authority**

**6.4.1 Recent Achievements**: Within FY2015-16 to 2017-18, 06 Licensed Organizations as a CA have completed their own technical process and distributed Digital Signature Certificates and services to government-non-governmental organizations and interested individuals.600 public officials have been awarded of digital signature. In 40 schools/colleges throughout the country, 10 thousand students of 9th-12th class have been given cyber-security training in their hands in “Cyber Security Awareness for Women Empowerment” workshop. At CCA office, PKI system, cyber forensic labs,3 software based online services called Digital Evidence Management & Reporting System (DEMRS), Leave Management Service and Training Calendar Automation have been upgraded, setup and introduced respectively.

**6.4.2 Activities, Output Indicators and Targets**

| **Activities** | **Output Indicator** | **Related Strategic Objectives** | **Unit** | **Revised Target** | **Actual** | **Target** | **Revised Target** | **Medium Term Targets** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2018-19** | | **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| 1. Training on the introduction of digital signatures in the use and application of information and technology | Trained manpower | 2 | No.  (person) | 600 |  | 600 |  | 650 | 700 |  |
| 1. Inspect offices and establishment of licensed CAs | inspected CA offices | 1 | No | 6 |  | 6 |  | 6 | 6 |  |
| 1. Arrange seminar/workshops on cyber security at national level | organized Seminar | 2 | No | 8 |  | 7 |  | 8 | 8 |  |
| 1. Digital Signature Certificate Delivery | users | 2 | No | 600 |  | 600 |  | 650 | 700 |  |

**6.4.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects**

(Taka in Thousands)

| **Name of the Institutional Unit/Scheme/ Project** | **Related Activity** | **Actual**  **2018-19** | **Budget** | **Revised** | **Medium Term Expenditure Estimates** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
|  |  |  |  |  |  |  |  |

**6.5 Directorate of Information and Communication Technology**

**6.5.1 Recent Achievements**: 2901 Labs have been set up in different educational institutions in 64 districts by Directorate of Information and Communication Technology and 14505 teachers including head masters have been trained up in different durations. Advanced computer labs and libraries have been set up at ICT Tower. A total number of 500 young male and female are employed by arranging BPO Summit.

**6.5.2 Activities, Output Indicators and Targets**

| **Activities** | **Output Indicator** | **Related Strategic Objectives** | **Unit** | **Revised Target** | **Actual** | **Target** | **Revised Target** | **Medium Term Targets** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2018-19** | | **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| 1. Provide support on ICT in all government offices at district and upazila level | ICT support Provided at District and Upazila level offices | 1 | Number | 17568 |  | 18000 |  | 20000 | 25000 |  |
| 1. Establish ICT lab at educational institutions | established Lab | 2 | Number | 1275 |  | 8500 |  | 8500 | 8500 |  |
| 1. Create skilled women entrepreneurs through ICT training | trained Women entrepreneurs | 2 | Number person | 9915 |  | 11251 |  | 10666 | 10666 |  |
| 1. e-file, Portal and ICT training at field level | Number of trainees | 2 | Number person | 12575 |  | 15000 |  | 20000 | 25000 |  |

**6.5.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects**

(Taka in Thousands)

| **Name of the Institutional Unit/Scheme/ Project** | **Related Activity** | **Actual**  **2018-19** | **Budget** | **Revised** | **Medium Term Expenditure Estimates** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2019-20** | | **2020-21** | **2021-22** | **2022-23** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
|  |  |  |  |  |  |  |  |