Demand Side Innovation Policies

Creation of Local IT Technical Capacities through the use of Public Procurement & Others

A Sri Lankan Perspective

21st March 2014
Multi Year Expert Meeting
UNCTAD
Geneva, Switzerland

Reshan Dewapura
CEO, ICT Agency of Sri Lanka
Sri Lanka

Land Area: 65,610 Sq. Km
Population: 20,300,000
GDP/capita: US$ 3000 +
Currency: Sri Lankan Rupee
Time Zone: GMT +5:30
Languages: Sinhala, Tamil, English
Capital: Colombo (Commercial)
          Sri Jayawardenepura (Admin)
Exports: Garments, Tea, Gems, Rubber, Tourism, IT/BPO
Administration: 9 Provinces, 25 Districts,
               325 Divisional Secretariats
Telephone: 125% penetration
Internet: 6 million users
Broadband: 1.75 million connections
“Take the dividends of ICT

- to every village,
- to every citizen,
- to every business and also
- transform the way government think and works”
e-Sri Lanka

An Integrated e-Development Model

- ICT Policy, Leadership & Institutional Development
- ICT Human Resources Capacity Building
- ICT Investment & Private Sector Development
- Re-engineering Government
- Information Infrastructure
- e-Society

Peace

Equity

Growth
e-Government

Sri Lanka Country Portal

G2C
Govt. to Citizen

Internet

G2B
Govt. to Business

Intranet

G2G
Govt. to Govt.

Information Bank

People Hub

Land Hub

Establishments Hub

Policy, standards

Service Management

HR Policy & HRD

Lanka Gate Payment Gateway

National Certificate Authority

LGN (Lanka Government Network)

Telecommunication Backbone

Government Internal Solutions

Government e-Services

e-Motoring Solution
e-Foreign Employment Solution
e-Pension Solution
e-HRM Solution
e-Procurement Solution
e-Bill Solution
e-EPF Solution

Lanka - Gate

Lanka Government Cloud

ICTA
ideas actioned
Demand Side Innovation Activities

Local ICT Industry Development & Technical Capacity Building

1. Public Procurement Process
2. National Enterprise Architecture
3. Societal Applications & Content
1. Public Procurement Process

- Process used
  - World Bank Guide-lines
  - GoSL: NPA Guide-lines
  - Development of IS Procurement Documents

- Transparent Process
  - Procurement Information on Web-site
  - Transparent Bid-Openings, Bid Clarifications
  - Strictly no deviation from basic guide-lines

- Number of Contracts signed - 1029
  - Local Firms - 997 (96.9%)
  - Foreign Firms - 32 (3.1%)
1. Public Procurement Process

- Opportunities for Local Industry
  - Domestic Preference
  - Creation of JVs with Foreign principals
  - Prospects for Large Established Entities as well as SMEs

- Technology Standards
  - Technology Agnostic & permitting FOSS & Open Standards
  - Clearly documented Technology Data Standards
  - Turnkey Solutions, Modular approach and Resource Augmentation
  - Agile Development & Quality Assurance

- Industry Education
  - Procurement Workshops for ICT Industry – 6 Workshops held
2. National Enterprise Architecture

- **Lanka Gate – Government e-Service Delivery Platform**
  - Service Oriented Architecture
  - Based on Open Standards
  - APIs for plugging services / applications
  - Availability of Common Services
    - Payment Gateway
    - Identity Management
    - Access to Databases / Registries

- **LIFe – Lanka Interoperability Framework**
  - Stakeholder agreed common Data Standards for each domain
3. Societal Applications & Content

- Community Assistance Project (CAP) Grants
  - Grants to CBOs for ICT based solutions to everyday problems
  - 151 Grants awarded

- Partnership Assistance Project (PAP) Grants
  - Grants to public or private entity, entrepreneur or NGO to develop ICT applications benefitting multiple communities
  - 35 Grants awarded

- Replication & Sustainability Assistance Project Grants
  - Grants to replicate and sustain successful CAP & PAP projects
  - 59 Grants awarded

245 Projects – over 75,000 people benefitting every month
3. Societal Applications & Content

- Sample of Projects
  - Wiki-Goviya: Agriculture e-learning system
  - e-Farms: e-Learning content for value addition to produce
  - Crop price tracker for farmers
  - HHIMS: Hospital Health Info Management System
  - Fishing Lanka: Information to fisherman via SMS
  - Sri Lanka Jobs Net: On-line job bank for rural societies
  - ViduNena: e-Learning system for A/L science students
  - Rural BPO’s: Serving blue chip companies
  - SME Portal for small businesses
  - Happy Life: Sexual & Reproductive Health Info system
  - A day in the life of the Jethawanaramaya Monastery
  - Bhasha Guru – Language Learning & Translation tool
### 3. Societal Applications & Content

#### Economic Impact:
- Access to Market Prices / Agri. Information
- Access to Marine / Weather Information
- Access to Employment Opportunities
- Access to Additional Educational Opportunities
- Access to Business Opportunities
- Access to Communication Opportunities
- Availability & Usage of Mobile Money

#### Social Impact:
- Equal Opportunities (Urban v Rural)
- Access to Health Care Services
- Access to Comms Opportunities
- Access to Educational Opportunities
- Removal of Traditional Barriers
- Uplifting the Quality of Life / Poverty Reduction
- Benefits to disadvantaged communities
- Benefits to differently-abled communities
- Solutions to societal problems
- Conflict avoidance (access to info)
Support Activities for Better Results

- Conducting of Quarterly Private Sector Forums
- Quality Certification of Local IT Industry Companies
- Capacity Building of IT Industry resources
- Project Management Capability Improvement
- Promoting IT/ITeS as new-age career among youth/students
- Spirational program – Incubator for new start-ups
- Breeding of Small & Medium IT Enterprises

- Encouraging e-Content (& m-Content) Development
- National contest, awards and recognition
- Enabling e-Content eco-system
- Hosting South Asia Mobile Content conferences
IT/ITeS Industry Development

Target No of Employees

Time Line - Sri Lanka

IT/ITeS Industry Development

Revenue (USD Million)

- 2006A
- 2007
- 2008
- 2009
- 2010
- 2013
- 2016

11,200
14,946
21,094
31,379
50,000
80,000
120,000

$350 m
$650 m
$1b

Sri Lanka Target Employee Nos.
Sri Lanka Target Export Revenue
Demand Side Innovation Policies
Creation of Local IT Technical Capacities through the use of Public Procurement & Others

A Sri Lankan Perspective

Thank You

www.icta.lk