1. INTRODUCTION
2. e-GOVERNMENT
3. ICT INFRASTRUCTURE
4. CONNECTIVITY
5. APPLICATIONS
INTRODUCTION

- Robust ICT Infrastructure
- Nationwide Management Structure
- Improved Connectivity
- Reliable, Affordable Services to People
- Host of Applications
National and State Data Centre

- 5 National Data Centres
- Hosting 7000+ applications/websites
- 24X7 Services
- 3000+ TB of storage
- 1000+ Racks
NICNET

- Internet services including email / messaging provided to the Government sector up to grass roots level
- Web hosting services - over 7000 Government portals and websites
- Registrar for gov.in domain and has registered more than 4500 domains
- Internet connectivity of more than 10 Gbps with alternate / redundant paths
- NICNET peering with NIXI with a bandwidth of 1 Gbps.
NIC Services

- **GIS and Remote Sensing Services:**
  - The national GIS with NSDB in 1:50,000 scales
  - Thematic layers on Transportation network, Water body, Wetlands, Geology, Geomorphology etc. developed
  - Accurate village location system has been developed from raster data sets

- **Utility Mapping Services:**
  - Utility mapping infrastructure set up for Delhi Government.
  - Spatial data infrastructure available for Ahmedabad, Bangalore, Chennai, Hyderabad, Kolkata and Mumbai at 1:1000 scale

- **Cyber Security:**
  - Dedicated Cyber Security Group to secure the Network operations and protect vital data/information.
  - It detects, prevents and report security incidents/attacks
  - Well defined Security Policies and Procedures at Network level, Perimeter level, Server Level and Application levels

- **NICeMail Services**
  - Handles around 30 lakh mails (including spam) everyday

- **SMS Services**
  - Handles around 3.5 lakh SMS everyday

- **NIC-CA**
  - Had issued more than 91,000 DSCs
  - 16 RA Offices created (https://nicca.nic.in)

- **Smart Card**
  - Developed SCOSTA along with IIT/Kanpur
  - Supporting KM for large projects such as VAHAN, SARATHI, RSBY, PDS
E Governance Applications and Services

NIC

Social Sector
Agriculture
Finance
Health
HRD
Home
Judiciary
Rural Development
Transport

MGNREGA
PDS
SSA
RSBY
Scholarships
Emp. Exch.
NSAP
Pensioners’ Portal
RTI Portal
PG Portal

AGRISNET
AGMARKNET
APHNET
ARISNET
ARINET
HORTNET
PPIN
FERTNET
SEEDNET
FISHNET
NADRS
ARINET, Agri. Census
PQIS
ICT-NBM, etc.

CPSMS
E-GPF
COMPACT
E-Lekha
CePG
Budget Mgmt
VATSoft
Treasury, etc

MCTS
NRHM
CGHS
IDSP
Drug LMS
e-Hospital

Mid-day Meal
Exam
Results
Admission-counseling

Police
Prisons
IVRFT

e-Courts
Cause list
Case Status
Daily Orders
Certified Copies

NPP
PRIASoft
PlanPlus
NLRMP
Property-
Registration
TSC
IAY

VAHAN
SARATHI
NTR

Informatics
e-Gov appl. and services report

http://nic.in

http://nicsi.nic.in

next

21 June 2012
Citizen Centric e-Governance
A work flow based application covering
Job-Card to Disbursal of wages to workers
121 million households covered
1476 million man-days of work generated
709 million man-days for women workers only
Details of various work done in a panchayat

- Data volume – 1.8 TB
- Being used by 32 States / UTs
- 30k panchayats are accessing the application
- 1GB data is being added everyday
Smart Card based

Targeted Public Distribution System

A Step Towards Empowering Citizens

With

Greater Transparency and Ensured Delivery in TPDS

- Replacement of 52 lakh+ paper based Ration Cards by Smart Ration Cards as per families category.
- Storing of Monthly entitlements & Finger print of authorized members in Smart Ration Card (SRC).
- Secure Allocations to FPS (Fair Price Shop) Cards – via digital and biometric verification of FPS Owner
- Distributions happen on Biometrics Authentication.
- All transactions at FPS to be performed only on SRC & FPS Smart Card through PoS (Point of Sale) Terminal
- Other entitlements to be stored in central data base at State Data Centre.
- Project ensures end to end computerization of allocation and distribution of commodities.
RSBY

- Health insurance to poor people
- 28.4 million households covered
- 3.3 million hospitalisations
- Cash-less transaction
- Smart-Card based authentication

[http://rsby.gov.in](http://rsby.gov.in)
Counseling for Admissions

- Single Window Admission process
- Web based result publication
- Online submission of admission forms
- Eligibility-wise information on Institutions and Courses
- Online information on Vacant seats
- Totally transparent process
- System compliant with reservation processes
- Seats are allotted in the order of merit as per the choices exercised by the student
- Online candidates’ integrated database reducing redundancy
- Online reporting of admissions by Institutions
Financial transactions of the states are carried out through treasuries.

Generic solution of NIC has been customised and implemented in several states:
- Maharashtra
- Haryana
- Karnataka
- Manipur
- Rajasthan
- Himachal Pradesh
- Uttar Pradesh
- Tamil Nadu
- Meghalaya
- Tripura
- Kerala
Co-operatives movement in India is more than 100 yr old

Largest outreach in rural areas

Can play an important role in financial inclusion

Facilitate payment to rural masses for social sector schemes such as MGNREGA, NOAPS, etc

Core Banking Solution to cover co-operatives at all levels

Implemented at:
Meghalaya State Co-op Apex Bank: HO and 4 Br
DCCB Nainital: 3 Branches
DCCB Tehri Garhwal: 3 Branches
DCCB Raipur: 4 Branches
PACS in Rajasthan

Request Received from:
DCCB Raipur: 41 additional Branches
MACB, Shillong: 4 additional Branches
UCB, Cuttak: 1 HO and 5 Branches
TSB: Kerala: 1 HO and 213 Treasuries

http://ccbs.nic.in
e-Hospital@Nic is a generic application, which addresses all the major functional areas of a hospital.

A workflow based Application Software for hospital deals with complete treatment cycle of OPD/IPD patients and integrates various functions in the areas of clinical, administrative and billing/insurance.

An Integrated HMIS Suite consisting of HIS, LIS, RIS, PACS, Blood Bank and Telemedicine Suite

Implemented
- RML
- CGHS
- Tripura
- Kerala

Under Implementation
- AIIMS
- NIMHANS, etc.

Simplifying Healthcare Delivery
Large number of applications in Agriculture Sector

- **AGRISNET**
  - Infrastructure network up to block level agriculture offices facilitating agricultural extensions services and agribusiness activities to usher in rural prosperity

- **AGMARKNET**
  - To network 7000 agricultural produce wholesale markets
  - And 32000 rural markets: [http://www.agmarknet.nic.in](http://www.agmarknet.nic.in)

- **HORTNET**
  - Horticultural Informatics Network [http://www.nhm.nic.in](http://www.nhm.nic.in)

- **FERTNET**
  - Fertilizers (Chemical, Bio and Organic Manure) Informatics Network facilitating “Integrated Nutrient Management” at farm level [http://www.fishcraft.nic.in](http://www.fishcraft.nic.in)

- **FISHNET**
  - Fisheries Informatics Network: [http://www.realcraft.nic.in](http://www.realcraft.nic.in)

- **FOOD SECURITY MISSION**
  - [http://www.nfsm.gov.in](http://www.nfsm.gov.in)

Large number of applications have been developed in the Agriculture Sector which will lead to the realisation of a “Digital Network for Farmers (DNF)” for moving towards faster and more sustainable and inclusive growth.
Vahan & Sarathi

- **VAHAN**
  Vehicle Registration, Permit & Taxes, Fitness Certification, Issue & Settlement of Challans

- **SARATHI**
  Issue & Renewal of Driving Licenses along with cancellations

- **Application provides for a Standard Software for all RTOs, Standardized Datasets and Formats, Smart Card OS Standards Available**

- **Present Status**
  - Vahan  614 RTOs Covered
  - Sarathi  509 RTOs Covered
  - Smart Card Being issued by 11 States
  - Proposed to cover all RTOs
  - National Transport Register
Other applications

- Commerce and Industry
- e-Post Services
- Instant Money Order
- Postal Life Insurance
- National Do Not Call Registry
- Integrated Disease Surveillance Program (IDSP)
- Examination Results
- Pension Portal
- Public Grievances Redressal
- Limited Liability Partnership Act
- e-Panchayat
- Rajiv Gandhi Grameen Vidyuticaran Yojana
- Rural Drinking Water & Sanitation
- Indira Gandhi National Old Age Pension
- NLRMP (Land Records & Property Registration)
- Registration of fishing vessels
- Employment Exchanges
- IT in Parliament
- Tele Education in North East
- Passport
- Immigration
- CIPA
- VAT
- National Horticulture Mission
- Jawaharlal Nehru National Urban Renewal Mission
- Municipality Services
Other applications

- Bhunaksha
- E-Granthalaya
- ELECON
- e-Lekha
- e-Post
- AwasSoft for IAY
- Census of Minor Irrigation
- Central Public Grievance Redress System
- Port Community System
- EPFO
- http://forestrights.nic.in
- Pension Authorisation Retrieval and Accounting System
- Pensioners Portal (http://pensioners.gov.in)
- PLI
- Retail Prices Monitoring System (dacnet.nic.in/rpms)
- Port Operations Management System
- MIS for SJGSY (http://sgsy.gov.in)
- DNDNC Registry (http://ndncregistry.gov.in)
- Overseas Citizenship of India (http://ociindia.nic.in)
- official Language Portal (http://rajbhasha.gov.in)
- Indiawater.gov.in (Integrated Mgmt System for Rural Water Sector)
- IDSP
- Indian Customs EDI System
- Land use Statistics Information System
- http://avianflumonitoring.nic.in
- http://pcserver.nic.in/efc (monitoring of projects submitted to EFC)
- National Employment Service Project (http://employmentservice.nic.in)
- National Horticulture Mission (http://nhm.nic.in)
- NSAP (http://rural.nic.in)
- National Consumer Preference Registry (http://www.nccp.trai.gov.in)
- Waqf Management System of India (http://waqf.nic.gov.in)
- National Vocational Training Information Service (http://dget.nic.in/lisdapp/nvtis/nvtis.htm)
- Total Sanitation Campaign Monitoring, etc.
Managed Services

NIC

- e-office
- e-procurement
- Document Management
- Hosting Services
- Digital Certificate
- Smart Card
The National Portal of India (india.gov.in)

- One point Access to Government Information & Services
- Gateway to over 6700 Government Websites and Portals
- Guidelines for Indian Government Websites (GIGW)
- Platform for Citizen Participation in Governance
- Institutionalized Web Ratna Awards
- Accessible to Visual, Hearing, Mobility challenged and Elderly Citizens
- ISO 9126 Certified
- Web Site Quality certified
• Generic solution for government procurement being implemented as a MMP

• Confirms to the IT Act 2000

• Bid encryption at client end

• Adopted for use under Central Public Procurement Portal by the Department of Expenditure

• Implemented in PMGSY, DGS&D and 16 States such as Odisha, Tamil Nadu, Delhi, Rajasthan, J and K and Uttarakhand

• Zero cost to bidders

• Adheres to the guidelines of CVC, ADB and World Bank

http://eprocure.gov.in

1,18,448 tenders worth 1,50,008 Crores have been processed till March., 2012
THANK YOU

Ms. C. Lalhmacchuani
SIO, NIC Mizoram State Unit
Annex-2, Civil Secretariat, Treasury Sq., Aizwal
email: sio-miz@nic.in
(0389) 2316191, 09862304845, 09436360262

A. K. Singh
a.ksingh@nic.in
0996869633