Public Digital Platforms enabling Good Governance

Date – 29th November 2021
Enabling Good Governance: The Meghalaya Way…

Governance through Digital Monitoring
- Scheme delivery progress monitoring
- Dashboard of citizen centric schemes and benefits delivery
- Integration of data from multiple schemes and services

Efficiency improvement in Internal Processes
- Business process re-engineering
- Digitalization of department’s internal processes
- Integration of multiple systems and data

Citizen Centric Service Implementation
- Implementation of Digital Services
- Service Delivery through multiple channels
- Digital Service Design
Governance through Digital Monitoring

**Scheme MIS**
- Identify specific data for progress monitoring
- Identify frequency of update

**CM Dashboard**
- GIS based monitoring of scheme data
- Monitoring at village level, block level and district level

**Citizen Dashboard (MyMeG)**
- Citizen centric data
- Data planned to available at village level
- Success story repository
Efficiency improvement in Internal Processes

Enabled by Meghalaya Enterprise Architecture

Aug 2019
Kick-off – Meghalaya Enterprise Architecture aligned to IndEA

Journey
• MeghEA recommendations
• Selection of System Integrator
• NIC system adoption
• Integration and Implementation

Challenges
• COVID-19 related challenges
• Unavailability of documentation for Services and Systems

Sept 2021
• Launch of Integrated Finance Solution
  • iOBS
  • BEAMS
  • Megh e-Billing
  • TreasuryNet 2.0
  • Scheme Management System
  • State Integration Platform
Meghalaya Enterprise Architecture: MeghEA

**Vision & Scope of MeghEA**
- 19 Departments Assessed
- 50+ IT Systems Assessed
- 700+ Services Identified

**Sector wise High-Level Architecture**

**State-wide Detailed Architecture**
- 200+ Services Prioritized

**Blueprint for MeghEA Implementation**
- Budgetary Requirements & Roadmap Prepared

**Implementation**
- Scheme Mgmt., BEAMS, State Integration Platform, TreasuryNet, e-Billing, iOBS Roll-out
MeghEA: Service Implementation Plan

<table>
<thead>
<tr>
<th>Primary Sector</th>
<th>Human Development</th>
<th>Infrastructure Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture &amp; Farmers’ Welfare</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>Animal Husbandry &amp; Veterinary</td>
<td>15</td>
<td>36</td>
</tr>
<tr>
<td>Fisheries</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Textiles</td>
<td>2</td>
<td>19</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>74</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

- **Finance Services**
  - Implementation of new digital services in existing systems
  - System re-architecture (modernization aligned to architecture assessment)
  - New system implementations

Other sectors include:
- Community & Rural Development
- Tourism
- Labour
- Education
- Health & Family Welfare
- Social Welfare
- Commerce & Industry
- Forest & Environment
- Mining & Geology
- Environment
- Governance
- Excise Registration Taxation & Stamps
- Planning
- Finance

<table>
<thead>
<tr>
<th>Sector</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture &amp; Farmers’ Welfare</td>
<td>20%</td>
</tr>
<tr>
<td>Animal Husbandry &amp; Veterinary</td>
<td>8%</td>
</tr>
<tr>
<td>Fisheries</td>
<td>5%</td>
</tr>
<tr>
<td>Textiles</td>
<td>2%</td>
</tr>
<tr>
<td>Finance Services</td>
<td>12%</td>
</tr>
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</table>
# MeghEA Value Realization

<table>
<thead>
<tr>
<th>Before MeghEA</th>
<th>After MeghEA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Fragmented systems and manual reporting</td>
<td>1 Integrated Real-Time Reporting</td>
</tr>
<tr>
<td>2 Manual processing of sanction/administrative approval</td>
<td>2 Digital workflow implementation</td>
</tr>
<tr>
<td>3 Paper based file management – high stationery and printing cost</td>
<td>3 Digital Administration</td>
</tr>
<tr>
<td>4 Lack of traceability of approval status of sanctions</td>
<td>4 Digital Tracking through system and SMS, Email Notifications</td>
</tr>
<tr>
<td>5 Repetitive process of approvals, LOA and final disbursement</td>
<td>5 Integrated Digital system and Process Reengineering</td>
</tr>
</tbody>
</table>
Journey Transformation of a Proposal File – Process Improvement

Directorate
- LDA/UDA
- Planning Officer
- FAO
- Assist. Director
- Director (HoD)

Departmental Committee & Minister Approval

Administrative Department
- LDA/UDA
- Under Secretary
- Finance Officer
- Joint Secretary
- Secretary
- Commissioner & Secretary

Finance Department
- Under Secretary
- Joint Secretary
- Secretary
- Commissioner & Secretary
- Minister

Planning Department
- Research Officer
- Under Secretary
- Joint Secretary
- Secretary
- Commissioner & Secretary
- Minister

File sent back to Finance for Issuance of LOA & Disbursement

File sent back to Department with issued LOA / Disbursement
<table>
<thead>
<tr>
<th>Outcome</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>7X</td>
<td>Faster and seamless sanctions and disbursement of funds</td>
</tr>
<tr>
<td>120+ Man Years</td>
<td>Digital System driven efficient tracking of proposals</td>
</tr>
<tr>
<td>130+ Man Days</td>
<td>Dashboard based efficient monitoring of expenditures and sanctions</td>
</tr>
</tbody>
</table>
NIC Systems Enabling MeghEA

**BEAMS**
- Cash Flow Management
- Fund Requisition
- Fund Allocation
- Fund Release
- Fund Withdrawal
- Fund Surrender
- Authorization Slips

**e-Billing**
- Beneficiary Registration
- Bill Preparation
- Bills Submission
- Bills Monitoring

**Pensioner Life Certificate using Facial Recognition**
- One time Registration
- Verification by Treasury officer
- Live Photo Capturing
- Liveness Confirmation
- Marital status Declaration
- Employment status declaration
Meghalaya Digital Service Implementation Platform

- Low Code No Code platform
  Enables faster development of services

- Inbuilt Form Builder
  Enables department technical officers to implement new services

- Configurable Workflow

- Easy of Integration through inbuilt APIs
  Effective service integration with minimum technical effort
Common Architecture Components: MVA

<table>
<thead>
<tr>
<th>Primary Sector</th>
<th>Human Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure</td>
<td>Entrepreneurship</td>
</tr>
<tr>
<td>Environment</td>
<td>Governance</td>
</tr>
</tbody>
</table>

**Common System**

- Financial Management
- Land & Resource Record Management
- Content & Document Management
- Procurement Management
- Service Provisioning
- Project & Scheme Management
- Human Resource Management
- Litigation Management
- Grievance Management
- Monitoring & Evaluation
- Learning Management

**Core Platform**

- Digital Identity
- Digital Registries
- Integration Management
- Messaging
- Geographical Information
- Enterprise App Store
- Payments
- Artificial Intelligence & Blockchain
- Security & Access
- Data Warehouse
- Workflow Management
- Data Quality Management
- Cloud Infrastructure
- Collaboration
- SDC Infrastructure
<table>
<thead>
<tr>
<th>Service Code</th>
<th>Service Name</th>
<th>Description</th>
<th>Service Type</th>
<th>Service Delivery Location</th>
<th>Beneficiary Life Cycle Stage</th>
<th>Service Level (Days)</th>
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<tbody>
<tr>
<td>AFW.07</td>
<td>Financial Assistance for Purchase of Machinery</td>
<td>Financial Assistance to farmers for purchase of farm equipments and machinery including Honeybee colony, hives, Plant Protection Equipments, Power Tiller, Tractor etc.</td>
<td>G2C</td>
<td>State HQ District HQ Block Office CSC Web Mobile</td>
<td>Plantation</td>
<td>Service will be delivered in XX days</td>
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</table>
MeghEA – Next Steps..

- Setting up of Aadhaar AUA in the State
- Department wise Implementation of Prioritized Services
- Implementation of rest of the Architecture Building Blocks
- Procurement of Computers, IT Infrastructure devices and Implementation Partners
Appendix
Basic Details of the Proposal

Linkage of Proposal with state Priorities & SDGs
Proceeding of the Departmental Scheme Committee Meeting held on 2021-09-13 16:14:00 in the Office Chamber of Soil Hod Office, Soil & Water Conservation Department for Examination/Recommendation

Member Present:

1. Dr. D Vijay Kumar, Commissioner & Secretary, Soil & Water Conservation Department (Chairman)

The meeting was presided over by Dr. D Vijay Kumar, Commissioner & Secretary, Soil & Water Conservation Department. He welcomed all the members present and took up the agenda wise discussion and examination of the State Plan Schemes.

List of Proposal

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Title of the Scheme with File Number</th>
<th>Amount Proposed (in Rs.)</th>
<th>Amount Recommended (in Rs.)</th>
<th>Objective of the Scheme</th>
<th>Remarks</th>
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<tbody>
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<td>1</td>
<td>SWCD/0035/2021 Electricity Work Proposal T1</td>
<td>500000 Break up: HOA: 240200101020001, 01-Salaries:500000, Budget Provision: 1200000, Amount Recommended: 50000</td>
<td>100000</td>
<td>Industry Innovation and Infrastructure</td>
<td>Approved Approved by DSC</td>
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### Scheme Sanction Order

<table>
<thead>
<tr>
<th>Form ID</th>
<th>Item ID</th>
<th>Scheme Sanction Order</th>
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<tbody>
<tr>
<td>331</td>
<td>7</td>
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</tr>
<tr>
<td>Scheme Title</td>
<td>Scheme Category</td>
<td>soil conservation scheme 2020-21</td>
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<td>Proposal Type</td>
<td>Funding Category</td>
<td>New</td>
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<tr>
<td>Department</td>
<td>Office</td>
<td>Soil &amp; Water Conservation Department</td>
</tr>
<tr>
<td>Function Name</td>
<td>Year</td>
<td>pushsanctiondetails</td>
</tr>
<tr>
<td>Year 2</td>
<td>Scheme Code</td>
<td>2022</td>
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<tr>
<td>Object Head</td>
<td>Dept Code</td>
<td>06</td>
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<tr>
<td>Sanction No</td>
<td>Sanction ID</td>
<td>SWCD/522/10092021/2402/05</td>
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<tr>
<td>Sanction Date</td>
<td>Financial Year</td>
<td>2021-09-10</td>
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<td>Sanction Amount (In Rs.)</td>
<td>Release Amount (In Rs.)</td>
<td>70000</td>
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Sanction and LOA amount sent to BEAMS in real time.
Government of Meghalaya
Soil & Water Conservation Department

No: SWCD/583/13092021/2402/05
Sanction ID: 18
Dated: 13-09-2021

From: Shri Linbert N. Marak
Director,
Soil & Water Conservation Department

To: The Commissioner & Secretary
Meghalaya Shillong


Sir,

I am directed to convey the sanction of the Governor of Meghalaya for an amount not exceeding Rs.2 (Rupees Two only). Only for Implementation of Testing DFP Directorate.

The relevant rules and procedures laid down for incurring the expenditure and drawing and disbursement of the money should be strictly adhered to.

The expenditure is debitable to the Head of Account "452402000010500V1" (45-ADMINISTRATION OF SOIL AND WATER CONSERVATION, 2402-SOIL AND WATER CONSERVATION, 00--., 001-DIRECTION AND ADMINISTRATION, 05-Project Formulation Cell, 00--., General - Plan, V, 06-Medical Treatment)" during the year 2021-2022.

Approvals and decisions in the form of notings and buff sheets
**Sanctioned Amount from Scheme Management System**

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Description</th>
<th>Object Head</th>
<th>Total</th>
<th>Modified</th>
<th>Released In Final</th>
<th>Released In Draft</th>
<th>Proposed Release</th>
<th>Balance Upto 12</th>
<th>Total Balance</th>
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<tr>
<td>09-2040-00-001-01-00-V-1</td>
<td>Directorate Level Organisation</td>
<td>01 Salaries</td>
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<td>Directorate Level Organisation</td>
<td>02 Wages</td>
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<td>Directorate Level Organisation</td>
<td>06 Medical Treatment</td>
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<td>210.00</td>
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<td>09-2040-00-001-01-00-V-1</td>
<td>Directorate Level Organisation</td>
<td>11 Domestic Travel Expenses</td>
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<td>09-2040-00-001-01-00-V-1</td>
<td>Directorate Level Organisation</td>
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<td>09-2040-00-001-01-00-V-1</td>
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