23rd National e-Governance conference, DARPG – Mumbai

The 23rd National e-Governance conference is being organized by Department of Administrative Reforms and Public Grievances (DARPG) along with Ministry of Electronics and Information Technology (MeitY), GoI and Government of Maharashtra. It was inaugurated by Shri. Adithya Thackeray, hon’ble minister for Environment and Tourism, Govt. of Maharashtra. More than 800 delegates from across the country are participating in the conference along with an exhibition with 51 stalls from both Government and private agencies on the theme ‘India 2020:Digital Transformation’.

A team comprising members from DoRD, NIC, NRIDA and CDAC are representing Department of Rural Development, MoRD, GoI in the conference. DorD has one of the largest stalls at the conference showcasing the Ministry’s IT capabilities and technologies for schemes – Mahatma Gandhi NREGS, PMAY-G, PMGSY, NSAP, DDU-GKY, DAY-NRLM, Mission Antyodaya and Ease of Living. The conference is focused on using emerging technology such as blockchain, AI, etc. for Government schemes, with the launch of Maharashtra blockchain sandbox Maha-Shrinkhala.

A compendium of papers on e-Governance initiatives has also been launched/published as part of the conference, with 2 papers from MoRD, under following titles:

1) Ensuring timely wage payments – MGNREGS
2) Ushering a trust-based benefit delivery ecosystem in rural India powered by blockchain.
IT Applications for Mahatma Gandhi NREGS

NREGAsoft - A multilingual, Unicode enabled end to end workflow-based e-Governance system to capture all the activities under Mahatma Gandhi NREGA at Center/State/District/Block and Panchayat level. It has been developed and deployed at http://nrega.nic.in by NIC in collaboration with Ministry of Rural Development. The NREGAsoft suite is an integrated system that provides efficiency, transparency and accountability at all levels.

- Total no. of Job Cards issued: 13.53 crore
- Total no. of Workers Registered: 26.41 crore
- Person days generated since inception: 2774.59 crore
- Total fund release: ₹ 4,88,781.43 crore

What makes NREGAsoft unique?
- First JAM (Jan-Dhan, Aadhaar, Mobile) complaint system in any rural programme.
- Local language enabled (Multilingual).
- First rural programme to use DBT
- First to use Digital Signatures Certificate
- First rural programme to use APBS (Aadhaar Payment Bridge System)
- Automated financial estimation based of CPWD Statement of Rates
- GIS and Geotagging is being used to – tag completed assets, tag new assets and track their process along with releasing payments basis the stages completed

Other features
- Transparency: Any transaction can be traced by anyone at anytime. A single rupee expenditure can be traced up to Beneficiary level. Along with all reporting in public domain
- Convenience: Convenience of all stakeholders has been factored in while designing the NREGAsoft.
- Grassroot Implementation: Application implemented till village level, making it possible to track all execution processes
- Localization: Supports Unicode local languages, like Hindi, Kannada, Tamil, Malayalam etc.
- Innovative: With passage of time many challenges were discovered and overcome with innovative disruptions, eg: Payment performance Dashboard – tracking Fund transfer orders across systems, GeoMNREGA, GIS based planning
- Scalability: System is future proof, capable enough to handle increased voluminous transactions in future

Coverage

PRADHAN MANTRI AWAAS YOJANA - GRAMIN (PMAY-G)

AwaasSoft
Local language enabled workflow, web-based transaction based electronic service delivery MIS platform facilitating e-governance in PMAY-G. All the critical functions of PMAY-G program like the identification of beneficiaries, fixing of targets, the release of funds, the issue of sanction and release of the assistance to the beneficiary, monitoring of the progress of PMAY-G etc. are done through the Awaassoft

Performance Index Dashboard
This dashboard provides comparative ranking of states based on 9 evaluation parameters. It helps implementing officials to monitor the progress and performance of their respective States/Districts/Blocks by understanding the gap areas and take corrective action promoting healthy competition.

Minimum 5 geo-tagged photographs capturing different stages of construction through mobile application AwaasApp
**DEENDAYAL ANTYODAYA YOJANA - NATIONAL RURAL LIVELIHOODS MISSION (DAY-NRLM)**

**DAY-NRLM e-Governance Application**
- Comprehensive web portal for capturing the profiles of Community Based Organisations & capitalization.
  - SHG, VO and CLF Profiles
  - Community Resource Person Profiles
  - Process of Fund disbursement to CBOs
  - Participation of CBOs in National Level Mela
  - Analytical reports on CBOs

**SHG Bank Linkage App**
- The web portal enables viewing information about achievement on loan disbursement, outstanding, Interest Subvention to SHG etc.
  - Getting SHG loan information from associated Banks & calculating interest subsidy based on repayment by SHGs.
  - Monitoring NPA and loan outstanding
  - Submission of SHG loan application to banks

This portal enables beneficiaries with features of
- Mahila Kisan and their Assets Profiles.
- Producer Groups and Organic Clusters
- Community Cadres on Livelihoods verticals
- Crop Planning and agro-ecological practices adoption by Mahila Kisans
- Training and capacity building of Mahila Kisans

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**THE PRADHAN MANTRI GRAM SADAK YOJANA – GRAMIN (PMGSY)**

**OMMAS**
- Web-based ERP for managing and monitoring rural road construction and scheme objectives. It has in-built accounting system, integration with PFMS, linked with GePNIC for micro-monitoring of tendering and other integrations with external websites. It is developed and managed by C-DAC - Pune.

**GePNIC**
- Centralized single place procurement for all PMGSY works nationally. Managed by NIC – Chennai. 1500+ works are being micro-tracked.

**EMARG**
- Web-based ERP system to manage and monitoring performance based maintenance contracts for works constructed under PMGSY. Managed by NIC-Bhopal

**Trace Maps**
- GIS based network analysis tool to simulate rural traffic for identification of high utility roads for PMGSY-III and creation of planning maps called Trace Maps. Developed and managed by NRIDA internally. 2000+ TraceMaps created and use for sanction of roads in PMGSY-III

**MeriSadak**
- Android application for citizen feedback and crowdsourcing of complaints for PMGSY roads. About 1,00,000 complaints filed by citizens.

**GEO-PMGSY & QMS**
- Android application for all of PMGSY’s geo-tagging requirements. GEOPMGSY is used for facility surveys, progress photographs, field lab photographs etc. QMS is by National & State Quality Monitors for recording road inspections transparently.

**GRRIS**
- GIS based information system open to public to view on a map all rural roads along with additional layers such as forest, water bodies etc. 11 million habitations and 0.8 million rural roads mapped on GIS.
NSAP NATIONAL SOCIAL ASSISTANCE PROGRAM

NSAP-PPS
NSAP-PPS is platform provided by Ministry to states for quick disbursal of pension in respective bank account of pensioners using PFMS.

Target
To provide monthly pension to 3.26 crore beneficiaries across all states and UT’s under four scheme of NSAP based on the criteria adopted

Key Features
- Pensioners registration
- Annual verification
- On fly authentication of Aadhaar from UIDAI and A/c linkages status from NPCI
- Account validation through PFMS
- Auto up-gradation at age 80
- Pension arrear management
- Aadhaar based payments

Highlights
- Coverage of 3.26 Cr. pensioners in all States
- Pension disbursement on every 1st day of the month by 10 States
- Beneficiary list in public domain through Mobile App (Gram Samvaad)
- Elimination of duplication/ghost beneficiaries
- Pension delivery at doorstep
- Online claim payment to BPL family in case of death under NFBS

EASE OF LIVING
The ease of living survey aligns with the Sustainable Development Goals (17 SDGs). The universe of the survey includes automatically included and deprived households identified under SECC totalling to 8.87 crore (approx) households out of 17.97 crore of total rural households in the country.

Key Features
- Carried out throughout the country involving the automatically included & deprived households identified in SECC 2011
- Survey conducted through a Mobile App
- Data collection after due validation & progress monitored through a web portal
- Aggregate data display functionality on EoL Dashboard

GRAM SAMVAAD
It is a citizen-centric mobile app, created to serve and empower the rural citizens to the level that they could access almost all information related to schemes for rural development.

Key Features
- Supported in both Android and iOS (in house)
- GPS location based detection up to Block
- Supports offline/Online mode
- Supports Hindi, English & Telugu
- Information on 7 RD programs & releases under 14th PC Grants

DEEN DAYAL UPADHYAYA GRAMEEN KAUSHALYA YOJANA (DDU-GKY)
Deen Dayal Upadhyaya — Grameen Kaushalya Yojana (DDU-GKY) is the demand driven placement-linked skill training initiative of the Ministry of Rural Development. Rural Self Employment Training Institutes (RSETI) is a credit linked self-employment training initiative with the aim to hand-hold trainees to set-up micro-enterprises. Ministry of Rural Development has developed an end to end mobilisation solution which will enable grass-root level mobilization for both skilling initiatives as it’s important to reach the neediest of the beneficiary.

Kaushal Panjee Skill Register

Key Features
1) Can be used for both DDU-GKY and RSETI initiatives
2) Registration form is pre-populated with SECC 2011 so the State can target, evaluate and plan its outreach
3) Registration can be done through CSCs, SHG Members, Panchayat/ Block Officers or directly by candidate
4) PIA/Banks can log in and find the list of registered candidates by geography, interest etc.
5) List of trainings centers in an area can be viewed by selecting the appropriate location
6) Prospective employers can register and view the list of trained candidates by trade and sector

Highlights
1) Multi-platform - available on both web and app.
2) Facilitates incentive based mobilisation through PRI functionaries
3) Supports Gram Panchayat Saturation Model for mobilisation
4) Generates detailed profile of interested candidates in State
5) Multiple mechanisms to register a candidate
6) Offline mode available for bad network areas

KaushalPragati

MPR MIS

Key Features
1) Management of registered candidates through training and placement
2) User Management of PIAs and SRLM
3) Generate Monthly Progress reports at various levels