List of Projects by NIC

1. CARD
2. Webland
3. ePDS
4. Water Soft
5. Digital Panchayat
6. WEB counseling
7. Sarkar Bhumi
8. Debt Redemption
9. Unified Births & Deaths
10. Mahila-Sishu
11. CM Dashboard
12. e-Nursing
13. GCPS
14. e-Compliance Management
15. e-Results
16. Online Post Metric scholarship
17. e- Recruitment
18. Electronic Public Relations
19. e Granthalaya
20. Online application- Entrance Exam
21. MCTS-MAARPU Dash Board
22. Labor Informatics
23. JRMS
24. APSLMA
25. Vidyawaan
26. e-Labs
27. DMR
28. Gram Vikas
29. NIC e-Sign
30. Jeevandan
31. Sandesh
32. e-HRMS
33. e-Hostels
34. e-Office
35. Sarathi
36. GISTNIC
37. Fishnet real Craft
38. NADRS
39. Agrisnet
40. Agmarknet
41. Sahakara Seva
http://digitalpanchayat.ap.gov.in/

Digital PANCHAYAT
Citizen Services

Government of Andhra Pradesh
The annual income of Panchayat Raj was Rs. 220 crore. After introducing Digital Panchayat in the first year itself, the income had increased to Rs. 400 crore. Plans have been made to further increase it to Rs. 600 crore during the present financial year.
Panchayat Raj Department of Andhra Pradesh awarded National Award “Incremental Devolution Index Award”

Minister for Panchayat Raj, AP, Chintakayala Ayyanna Patrudu received the award from Prime Minister Narendra Modi, JRD Tata Complex at Jamshedpur in Jharkhand on Sunday 24/4/2016.
## Digital Panchayat- State Level Dashboard

### State Level Dashboard

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GPS Participated/Total GPS</th>
<th>Total Requests</th>
<th>Approved</th>
<th>Rejected</th>
<th>Pending</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Permission</td>
<td>16/12922</td>
<td>23</td>
<td>0</td>
<td>0</td>
<td>23</td>
</tr>
<tr>
<td>House Tax</td>
<td>11/12922</td>
<td>13</td>
<td>13</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Layout Permission</td>
<td>0/12922</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Marriage Certificate</td>
<td>135/12922</td>
<td>192</td>
<td>125</td>
<td>5</td>
<td>62</td>
</tr>
<tr>
<td>Mutation</td>
<td>22/12922</td>
<td>40</td>
<td>23</td>
<td>0</td>
<td>26</td>
</tr>
<tr>
<td>No Objection Certificate</td>
<td>28/12922</td>
<td>37</td>
<td>3</td>
<td>2</td>
<td>32</td>
</tr>
<tr>
<td>Property Valuation</td>
<td>3638/12922</td>
<td>15238</td>
<td>9033</td>
<td>83</td>
<td>6122</td>
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<tr>
<td>Trade License</td>
<td>120/12922</td>
<td>1673</td>
<td>730</td>
<td>0</td>
<td>943</td>
</tr>
<tr>
<td>Water Tap Connection</td>
<td>133/12922</td>
<td>284</td>
<td>3</td>
<td>27</td>
<td>254</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>4103 / 12922</strong></td>
<td><strong>17509</strong></td>
<td><strong>9930</strong></td>
<td><strong>117</strong></td>
<td><strong>7462</strong></td>
</tr>
</tbody>
</table>
### District Wise Citizen Services Rendered by Digital Panchayat

#### Citizen Services Rendered by the Gram Panchayats

<table>
<thead>
<tr>
<th>SL No.</th>
<th>District</th>
<th>Total</th>
<th>Building Permission</th>
<th>House Tax</th>
<th>Layout Permission</th>
<th>Marriage Certificate</th>
<th>Mutation</th>
<th>NOC</th>
<th>Property Valuation</th>
<th>Trade License</th>
<th>Private Water Tap Connection</th>
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<tbody>
<tr>
<td>1</td>
<td>ANANTHAPUR</td>
<td>5633</td>
<td>3436</td>
<td>2153</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>588</td>
<td>3425</td>
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<td>2</td>
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<td>227</td>
<td>136</td>
<td>7</td>
<td>84</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>13</td>
<td>123</td>
<td>81</td>
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<tr>
<td>3</td>
<td>EAST GODAVARI</td>
<td>2706</td>
<td>1825</td>
<td>914</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>1222</td>
<td>791</td>
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<tr>
<td>4</td>
<td>GUNTUR</td>
<td>1195</td>
<td>801</td>
<td>296</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>1045</td>
<td>788</td>
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<tr>
<td>5</td>
<td>KRISHNA</td>
<td>1800</td>
<td>1071</td>
<td>14</td>
<td>715</td>
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<td>0</td>
<td>0</td>
<td>65</td>
<td>1339</td>
<td>817</td>
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<td>6</td>
<td>KURNOOL</td>
<td>951</td>
<td>543</td>
<td>13</td>
<td>395</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>909</td>
<td>537</td>
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<tr>
<td>7</td>
<td>POTI SREEAMULU NELLORE</td>
<td>175</td>
<td>67</td>
<td>105</td>
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<td>0</td>
<td>4</td>
<td>164</td>
<td>64</td>
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<td>8</td>
<td>PRAKASAM</td>
<td>1021</td>
<td>1235</td>
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<td>584</td>
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<td>0</td>
<td>0</td>
<td>15</td>
<td>1799</td>
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<td>9</td>
<td>SRIKAKULAM</td>
<td>530</td>
<td>310</td>
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<td>224</td>
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<td>0</td>
<td>0</td>
<td>19</td>
<td>515</td>
<td>301</td>
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<tr>
<td>10</td>
<td>VISAKHAPATNAM</td>
<td>1690</td>
<td>642</td>
<td>11</td>
<td>1037</td>
<td>6</td>
<td>0</td>
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<td>1648</td>
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<tr>
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<td>VIZIANAGARAM</td>
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<td>167</td>
<td>4</td>
<td>81</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>233</td>
<td>158</td>
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<tr>
<td>12</td>
<td>WEST GODAVARI</td>
<td>213</td>
<td>48</td>
<td>1</td>
<td>104</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>191</td>
<td>48</td>
</tr>
<tr>
<td>13</td>
<td>Y.S.R</td>
<td>398</td>
<td>187</td>
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<td>296</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>367</td>
<td>184</td>
</tr>
<tr>
<td>Grand Total</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>192</td>
<td>15236</td>
<td>9031</td>
</tr>
</tbody>
</table>

**Note:** T - Total Requests | A - Approved | R - Rejected | P - Pending
Automation of Fair Price Shops (AePDS)

Aadhaar enabled Public Distribution System

http://epos.ap.gov.in

Department of Consumer Affairs, Food & Civil Supplies, Government of Andhra Pradesh
### Aadhaar enabled Public Distribution System (AePDS)

**Department of Consumer Affairs, Food & Civil Supplies**

**Government of Andhra Pradesh**

**National Food Security Act 2013**

The Act ensures food grains to lower income families of India at an affordable price.

### Regular PDS

<table>
<thead>
<tr>
<th>S No</th>
<th>District Name</th>
<th>Total(Online)</th>
<th>Date (19-05-2016)</th>
<th>Current Month</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Shops Cards</td>
<td>Trans Availed Cards Active Shops InActive Shops Active Cards Commodity %</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>West Godavari</td>
<td>2087 1159322</td>
<td>88 88 12</td>
<td>2075 3887 3746 1088356 326208</td>
</tr>
<tr>
<td>2</td>
<td>Visayanagram</td>
<td>1344 656142</td>
<td>244 244 20</td>
<td>1324 812 8616 563184 1927469</td>
</tr>
<tr>
<td>3</td>
<td>East Godavari</td>
<td>2444 1468356</td>
<td>0 0 0</td>
<td>2444 3710 4932 1325089 4080380</td>
</tr>
<tr>
<td>4</td>
<td>Chittoor</td>
<td>2828 1044517</td>
<td>633 633 88</td>
<td>2742 249 338 634225 2989081</td>
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<tr>
<td>5</td>
<td>Krishna</td>
<td>2163 1205913</td>
<td>2 2 2</td>
<td>2181 4086 3006 1088763 3406417</td>
</tr>
<tr>
<td>6</td>
<td>Ananthapur</td>
<td>2927 1132308</td>
<td>46 46 21</td>
<td>2808 858 634 898883 3804897</td>
</tr>
<tr>
<td>7</td>
<td>Srikakulam</td>
<td>1978 788885</td>
<td>529 628 60</td>
<td>1928 597 7523 898042 2074867</td>
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<tr>
<td>8</td>
<td>Prakasam</td>
<td>2118 865441</td>
<td>27 27 12</td>
<td>2108 2100 2502 743135 2149918</td>
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<tr>
<td>9</td>
<td>Kurnool</td>
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<td>2373 403 891 843765 2823891</td>
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<tr>
<td>10</td>
<td>YSR Kadapa</td>
<td>1737 738691</td>
<td>888 888 122</td>
<td>1816 806 848 828840 2108260</td>
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<tr>
<td>11</td>
<td>Vizagapatnam</td>
<td>1624 1023593</td>
<td>122 122 15</td>
<td>180815386 1982 864440 3082873</td>
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<tr>
<td>12</td>
<td>Guntur</td>
<td>2727 1355542</td>
<td>102 102 15</td>
<td>2712 4786 2380 1130756 3236286</td>
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<tr>
<td>13</td>
<td>Nellore</td>
<td>1879 844038</td>
<td>36 35 22</td>
<td>1857 874 1003 702828 2073808</td>
</tr>
</tbody>
</table>

**Grand Total**

28286 13382734 2867 2866 414 2785238630 38666 11983026 37128252 87.

### State AePDS Trans Count

<table>
<thead>
<tr>
<th>Date</th>
<th>May 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-05-2018</td>
<td>3,550</td>
</tr>
<tr>
<td>May 2018</td>
<td>1,31,46,575</td>
</tr>
</tbody>
</table>

### Select District

- **Select District:**

**May - 2016 Bar Chart**

**Whats New**
- [ SCM Status ] Click here to know SCM Status
- [ Gallery ]
- [ Price Chart ] Click here to See Price Chart
- [ Portability Report ] Added Inside

**Contact Us**
- Email: pda-ap@nic.in
- Phone: 040-23494893 / 822

**Android Apps**
- [ SCM ]
- [ Deepam ]

**Visitors Count** 1296794
Key Process – End-to-end computerization of ePDS

- Aadhaar seeding
- ePDS - Monthly DKR
- Stock allotment
- Core dashboard
- Distribution through PoS
- SCM
- FPS Stock
Net saving (Apr’15 -Oct’15 for around 8000 fps)

<table>
<thead>
<tr>
<th>Commodity</th>
<th>from April 2014 to October 2014</th>
<th>from April 2015 to October 2015</th>
<th>Savings of Quantities in MT's ./KL's</th>
<th>Savings to State Govt. Rupees in Crores @Rs.6,400/- per Mt for rice</th>
<th>Savings to GOI Rupees in Crores @ Rs.23,600/- per Mt for rice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rice</td>
<td>10951</td>
<td>67296</td>
<td>56345</td>
<td>36.06</td>
<td>132.97</td>
</tr>
<tr>
<td>Sugar</td>
<td>253</td>
<td>3043</td>
<td>2790</td>
<td>0.61</td>
<td>5.16</td>
</tr>
<tr>
<td>Wheat</td>
<td>475</td>
<td>2070</td>
<td>1595</td>
<td>0</td>
<td>2.47</td>
</tr>
<tr>
<td>K. Oil</td>
<td>0</td>
<td>2998</td>
<td>2998</td>
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<td>3.45</td>
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<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>36.67</td>
<td>144.05</td>
</tr>
</tbody>
</table>

23,94,972 card holders have not been drawn ration for the month of October 2015. This amounts 20,575 MT’s of rice has been saved.
Aadhaar Based Mobile Based DBT Solution for Distribution of Subsidized Inputs to Farmers
Inputs  Distribution features

- Farmers or any one of the farmers family members are the Beneficiaries.

- Land Records, Aadhaar and Family Database are Integrated. Based on the landownership data of the farmers linked to his Aadhaar id, the area of land and associated eligible seed quantity shall be calculated by the system.

- The farmer gets the seeds. The system keeps records of each farmer wise seed distributed and the stock.
The Aadhaar ID infrastructure linked beneficiary's bio-metric based authentication takes place in real-time through smart phone connected to bio-metric device in the field.

The system works with any android mobile device. The farmer can use fingerprint or his iris for authentication purpose.

This system can be used to distribute any other inputs to the farmers.

As the system is based on smart phone connected to bio-metric readers, costly ePOS devices also are not required. So this is a low cost and sustainable solution.
The Real Time Authentication with AADHAR Bio-metrics (Finger Print / Iris) Scanning
Long Queue of Farmers for inputs & the pilferage of subsidized inputs. This is the earlier scenario.

D-Krishi Eliminates Long Queues and Pilferage of Subsidized Inputs and ensures total transparency
NRTS
Nurses Registration & Tracking System

- Online Registrations, Renewals, NOCs
- Legacy Data
- CMIS
- Job Portal
- Examinations Module
- Field Inspections of Institutes
- National Portal Integration
- Aadhaar Compliance
- Bio-metrics & Aadhaar Link
- CMS
Online Registration Flow

1. hmis.ap.nic.in
2. hmis.ap.nic.in
3. PAY ONLINE
   - VISA
   - MASTERCARD
   - AMERICAN EXPRESS
4. Successful
5. Digitally Signed 2D Barcode Certification
6. Physical Verification
7. Online Schedule for Verification
8. Online Receipt No.
HORTNET – Work flow

- Farmer
  - Application Filling
  - Online Filling
  - Verification
  - Issue of permits
  - Proceedings & Estimates

- Horticulture Officer
  - Counseling & Approval
  - Release of Subsidy

- Input Supply Agency
  - Raising Indents

- ADH
  - Release of Subsidy
HORTNET Salient Features

- Online Registrations & Multiple Scheme Filing
- Registration Alerts on SMS
- Multiple Scheme Sanctioning
- Generation of Pre-Sanction Orders in Local language
- Automated Subsidy Calculation
- Mobile app based uploads
- E-sign and Payment Gateway
Features of CARD

- Replacing Manual Endorsement with e-Endorsement (QR code enabled)
- Integration between SRO & MRO to & fro, CRDA, CDMA, Mee Seva
- Detection of Prohibited Property during the Registration process
- Implementation of “Registration on Anywhere basis” first time in INDIA.
- SMS / Mail Services for registration process
- Sale of stamps at different levels (IGRS / DIG / DR /SR )
- Capture Photo and thumb impression of the citizens
- Scanning of the documents
- Quick Digital signing of multiple documents as a batch.
- Payment Gateway for Registration of document (ready for implementation)
- Pre Slot booking for Registration (ready for implementation)
- Chief Minister Dashboard
G → C Registration Services

- Deed details of Registered document
- Duty fee calculator for Market Value
- Search for Encumbrances on any property from 1983 to till date
- Thumb nail copy after registration
- Market Value Registers
- SMS service for Registration process status
- Stock position of stamps
- Search for GPA
- Document templates
G → G Registration Services

- Online access to property for Income-Tax (AIR, CIB, 50C) reports.

- Integration of Revenue data with Registration: Sub registrar can access the revenue data and verify the genuinity with reference to Pattadar passbook and title deeds
  - Automatic transfer of registered documents to Web land
  - Automatic Mutation process (pilot implementation)

- Integration with Urban and rural local bodies data: Sub Registrar can access the data and verify the genuinity

- AADHAR Integration: Sub registrar can access the data and verify the genuinity of the parties

- The citizen is also provided with delivery of services through alternative channels such as Mee-Seva
Online filing of schemes by Farmers
Status & Grievance Monitoring by Farmers
RTI Complaint (Record of all rejections with reasons)
Knowledge Dissemination to Farmers in Local language / Multimedia
Drill-down Dashboard from National, State, District, Block up to Beneficiary level
Horizontal & Vertical Transparency
Eliminates Duplicity though use of Technology (GIS)
Credit of Subsidy through DBT to the bank Accounts of farmers
3TR : Timely, Total, Truthful Information in Real-Time
Identity Management : Aadhaar No., Ration Card, Voter Id, PAN, Contact Number etc.
Authentication with Land Records through Web-service.
eCFMS Module for subsidy disbursement is adopted.
Open Source Cloud Initiative of NIC

- To take part in Digital India Program, NIC, AP has initiated “Digital Infrastructure Creation” through Open Cloud Platforms.
- Evaluated & finalised “Apache Cloud Stack” as a IAAS platform for deployment.
- Private Cloud deployment is in progress
Salient Features of Cloud Stack

- Purely Open Source & Community driven Platform
- Highly Available, Scalable, Secure & Elastic
- Heterogeneous Hypervisor support including XEN, Hyper-V, VMware, KVM
- Amazon S3/EC2 compatible
- Supports Public, Private & Hybrid Clouds
- Multi tenancy & Account separation support
- In-built Load Balancing support & Firewall features
Complete Solution for Testing Labs

To whom

Ministry

Various Govt. Dept. Officials

Individuals, Local Bodies / Associations etc

Distributors/Agencies / Farmers

Law Enforcement Agency

Universities / Research Institutes

Empowering the Quality
Gram Vikas
Vidyawaan - App

- Registrations of Institutes
- Faculty
- Facilities
- Courses
- Student
- Performance
- Examinations
- Hall tickets
- Digitally Signed Certificates
- Evaluation, etc.
Smart Village
E-Recruitment
STATE DISASTER RESPONSE AND FIRE SERVICE DEPARTMENT

We serve to Save
WEB counseling
Mobile Computing and dedicated apps (100X12X30)
e-Office
e- Grandhalaya
Sahakara Seva
Agmarknet
Advantages with NIC

- Hardware Cost
- System Software Cost
- Licensing Costs
- Consultancy Services Cost
- Bandwidth Cost
- Data Centre Services Cost
- Data Management Cost
- Security Audit Cost
K. Rajasekhar,
DDG & SIO,
NIC, Andhra Pradesh.