PRADHAN MANTRI GRAM SADAK YOJANA

15th November 2019
PMGSY - SALIENT FEATURES

• Launched on 25\textsuperscript{th} December 2000 as a 100\% Centrally Sponsored Scheme to provide road connectivity in rural areas of the country by the then-prime minister of India Late Shri Atal Bihari Vajpayee.

• Since 2015, Centre- State Sharing: : 60:40 in plain areas and 90:10 in NE and Hilly Area

• All weather road connectivity to eligible habitations

• Eligible Habitations: Population 500+ in plains, 250-499 in the North-East states including Sikkim, Hilly states i.e Himachal Pradesh, Jammu & Kashmir and Uttarakhand, the Tribal (Schedule V) areas, the Desert (as identified in the Desert Development Programme) areas and in the 88 selected Tribal and Backward Districts in 9 States under Integrated Action Plan (IAP), (Basis Census 2001)
PMGSY - SALIENT FEATURES (Contd..)

• PMGSY has large socio-economic benefits
  - Access to market
  - Improved employment opportunities
  - Access to better health care facilities specially to pregnant mothers and children
  - Improved educational facilities specially for girl children
PMGSY - SALIENT FEATURES (Contd..)

• **Five-year Maintenance** along with initial construction. Maintenance budgeted by the States. Provision of financial incentives for maint works by MoRD also provided to the states.

• **Funding**
  • Cess on High Speed Diesel (HSD) (Rs. 0.75 / litre)
  • Budgetary Support from Govt of India
  • ADB funding
  • World Bank funding
  • Internal Borrowings—NABARD Loans.

• **Standard Bidding Document**
PMGSY-II - Features

✓ Union Cabinet approved PMGSY-II on 1\textsuperscript{st} May, 2013.

✓ Aims at consolidation of rural road network, through upgradation of ‘Through Routes’ and ‘Major Link Routes’.

✓ All States/ UTs are eligible to Participate in PMGSY-II once they substantially (90%) complete PMGSY works.

✓ Centre- State Sharing: 60:40 [ Special Areas- 90:10]

✓ 12\textsuperscript{th} Five Year Plan period target - 50,000 Km length under PMGSY-II.

✓ Till `date 41629 Km road length sanctioned under PMGSY-II.
LWE (Left Wing Extremism) Area

- Launched in 2013
- All weather road connectivity to habitations of 100-249 in LWE Areas: Jharkhand, Bihar, Chhattisgarh, Orissa, Madhya Pradesh, Andhra Pradesh, Telangana, Maharashtra & West Bengal.
- Completion date: March, 2020

RCPLWEA (Road Connectivity Project Left Wing Extremism Areas)

- Launched in Dec 2016
- Separate vertical under PMGSY
- Construction of strategically important road/bridges in LWE areas: Jharkhand, Bihar, Chhattisgarh, Orissa, Madhya Pradesh, Andhra Pradesh, Telangana, Maharashtra & UP.
- Completion date: March 2020
Institutional Architecture

Ministry of Rural Development

Nodal Deptt. State Govt.

NRRDA (now NRIDA)
(Tech & Management Support)

SRRDA
(Programme Implementation)

STA/PTA
(Project Appraisal Support)

NQM (Independent Quality Monitor)

PIU

NRRDA: National Rural roads Development Agency,
SRRDA: State Rural Road Development Agency,
STA: State Technical Agency,
PTA: Principal Technical Agency,
NQM: National Quality Monitor,
PIU: Programme Implementation Unit

CRRI, IRC and other premier institutions have also joined hands to provide support on matters relating to standards, technology and other relevant aspects.
• A Web-based online monitoring system.

• Embedded Decision support systems.

• Data Base in Citizen’s domain.

Modules include Rural Road Plan & Core Network, Proposals, Tendering & Contracting, Execution (Physical and Financial Progress), Quality Monitoring, Funds Flow and Receipt & Payment Accounts (work accounts).
Setting Technical Standards & Specifications for Rural Roads

Standard setting with the help of IRC:

- Rural Roads Manual prepared in October 2002. (Under revision)
- Standards for Steel Bridges published in March 2009.
- Guidelines for Tree Plantation on Rural Roads 2014
New Standards and Publications Issued by NRRDA

• Report of the Expert Group on Measures for achieving economy in construction of rural roads under PMGSY

• Do it Yourself, Rural Roads Construction using Fly Ash

• Do it Yourself, Construction of Cement Stabilized sub-base/base

• Do it Yourself, Gabion Retaining walls for rural roads

• Do it Yourself, Cell Filled Concrete Pavement

• Training films on Routine Maintenance, Use of Plastic waste and Use of Coir Geo Textiles
QUALITY MONITORING

TIER 1
Quality control at PIU level, at the time of construction. Lab- must for all works and is responsibility of the contractor

TIER 2
100% independent quality inspection of the roads by state Quality Monitors. SQMs

TIER 3
Independent National Quality Monitors deployed for inspection at random. NQMs

Five year Maintenance Guarantee of contractor

Quality Target
95% satisfactory grading in Completed works
85% Satisfactory grading in work under Maintenance

Works Graded U/SRI/S All U/SRI Works rectified with regular monitoring of compliance
PRADHAN MANTRI GRAM SADAK YOJANA

PMGSY-I
1,78,184 Target habitations
100% sanctions
97% completion

PMGSY-II
50,000 kms upgradation
84% sanctions
72 % completion

100-249 (LWE)
8,242 habitations
100% sanctions
73 % completion

RCPLWE
100% sanctions (Phase 1)
21 % completion

6,94,181 km Sanctioned
6,05,232 Km Completed
PHYSICAL PROGRESS: ROAD LENGTH CONSTRUCTED (Km)

**Kilometers constructed**

- 2014-15: 38043
- 2015-16: 35150
- 2016-17: 47447
- 2017-18: 48730
- 2018-19: 49043
- 2019-20: 50097

**Target**

**Pace of construction km/day**

- 2014-15: 104
- 2015-16: 96
- 2016-17: 130
- 2017-18: 134
- 2018-19: 134
## PMGSY - Current Implementation Status

### PMGSY-I (AS PER OMMAS)

#### A: PHYSICAL PROGRESS (UPTO Sept, 2019)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Total Eligible</th>
<th>Projects Cleared</th>
<th>Achievement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Habitations (After Reconciliation including 100-249 category with States as per OMMAS) (Nos.)</td>
<td>186,426</td>
<td>164,421</td>
<td>1,72,152 (including 17,451 other State connected)</td>
</tr>
<tr>
<td>New Connectivity (km.)</td>
<td>-</td>
<td>439,811</td>
<td>3,81,502 of cleared (87%)</td>
</tr>
<tr>
<td>Up-gradation of Target length (km)</td>
<td>224,906</td>
<td>207,448</td>
<td>1,91,720 (92%)</td>
</tr>
<tr>
<td>RCPLWEA (km)</td>
<td></td>
<td>5,065</td>
<td>997 (20%)</td>
</tr>
</tbody>
</table>

### PMGSY-II

<table>
<thead>
<tr>
<th>Activity</th>
<th>Total Eligible</th>
<th>Projects Cleared</th>
<th>Achievement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgradation</td>
<td>50,000 km.</td>
<td>41,629 km.</td>
<td>30,261 km. (73%)</td>
</tr>
</tbody>
</table>

#### B- Financial (value cleared)

- **Fund Released**
  - Rs. 2,66,984 Crore (केंद्रीय शेयर)
  - Rs. 8,700 Crore (राज्य शेयर)

- **Expenditure**
  - Rs. 1,82,020 Crore (i/c Interest) - Actual ex. Admin fund
  - Rs. 2,12,838 Crore (केंद्रीय शेयर राज्य शेयर सहित)
Mandate to construct **15% roads** using new and IRC accredited technology since 2013-14.
KRRDA (Karnataka) Phase IX PKG KN 11-72 Cells (plastic) laid on sub base with form works on both sides.
<table>
<thead>
<tr>
<th>State</th>
<th>Type of Technology</th>
<th>No. of Roads</th>
<th>Length (in km)</th>
<th>Status</th>
<th>Year of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chhattisgarh</td>
<td>Jute Geo Textiles</td>
<td>16</td>
<td>10.30</td>
<td>Completed</td>
<td>2009 - 2010</td>
</tr>
<tr>
<td>Madhya Pradesh</td>
<td>Jute Geo Textiles</td>
<td>17</td>
<td>8.24</td>
<td>Completed</td>
<td>2009 - 2010</td>
</tr>
<tr>
<td>West Bengal</td>
<td>Jute Geo Textiles</td>
<td>18</td>
<td>4.80</td>
<td>Completed</td>
<td>2009 - 2010</td>
</tr>
</tbody>
</table>
Panelled Concrete
Roller Compacted Concrete
<table>
<thead>
<tr>
<th>Particulars</th>
<th>UK</th>
<th>MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Rural Roads for maintenance through SHGs</td>
<td>29</td>
<td>16</td>
</tr>
<tr>
<td>Length (Km) undertaken</td>
<td>194.02</td>
<td>83</td>
</tr>
<tr>
<td>No. of Districts involved</td>
<td>09</td>
<td>4</td>
</tr>
<tr>
<td>No. of PIUs involved</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>No. of SHGs/MMDs involved</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>No. of Members involved</td>
<td>1706</td>
<td></td>
</tr>
</tbody>
</table>

One road work covering a length of 11.70 km in Firozepur district of Punjab, off carriageway work of routine maintenance through community contracting has been done involving 20 percent women.
# GOOD GOVERNANCE MEASURES

<table>
<thead>
<tr>
<th>FINANCIAL REFORMS</th>
<th>MONITORING</th>
<th>INCLUSION &amp; TRANSPARENCY</th>
<th>MONITORING &amp; TRANSPARENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>• PFMS since August 2018</td>
<td>• e-Marg – online monitoring of maintenance works.</td>
<td>Meri Sadak’ Mobile application for Citizen Feedback System of PMGSY roads</td>
<td>GRRIS - All roads mapped on GIS (27 states)</td>
</tr>
<tr>
<td>• Online Generation of online balance sheet in OMMAS</td>
<td>• OMMAS- Real time progress monitoring</td>
<td>Citizen information boards on all roads</td>
<td>GIS based decision support system for planning/monitoring</td>
</tr>
<tr>
<td>• Final bill closure within 6 months</td>
<td>• Remote Sensing- Validating roads construction using satellite imagery</td>
<td>Smart allocation of works to NQMs</td>
<td>Algorithmic planning of important routes (PMGSY-III)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>GepNIC Integration - 100% electronic tendering</td>
</tr>
</tbody>
</table>
“Meri Sadak” – a Mobile Application for Citizens Feedback System for PMGSY Roads

- Launched on 20th July, 2015 by Hon’ble Minister (RD) for Citizens Feedback System for PMGSY Roads.
- Mobile application for citizens to enable them to submit their feedback related to slow pace, abandoned works, poor quality of work and for other categories of any PMGSY roads
- On registration of the complaint, the application provides the e-mail and contact number of the concerned State Quality Coordinator.
- Support Hindi and other languages
PMGSY-III - Features

- Up-gradation of existing Through Routes (TR) and Major Rural Links (MRL)
- Priority to critical facilities like:
  - Agricultural and Rural Markets (GrAMs)
  - Educational facilities (High School, HSC, Girls High School, ITIs, Degree college)
  - Health facilities (PHC, Veterinary hospital, Bedded hospital, CHC)
- Cabinet approved for 1,25,000 kms.
- Estimated Outlay for PMGSY-III: Rs 80,000 Cr
- The target date of completion of PMGSY-III programme is March 2025.
- GIS based DRRP and Planning for higher Utility.
Issues and Challenges

- Completion of Works in Some Hilly areas and LWE affected areas.
- Limited Contracting Capacity and Limited Time for completion
- Maintenance of already constructed Roads.
- Rural Roads Safety
Stabilized Roads after 4 years