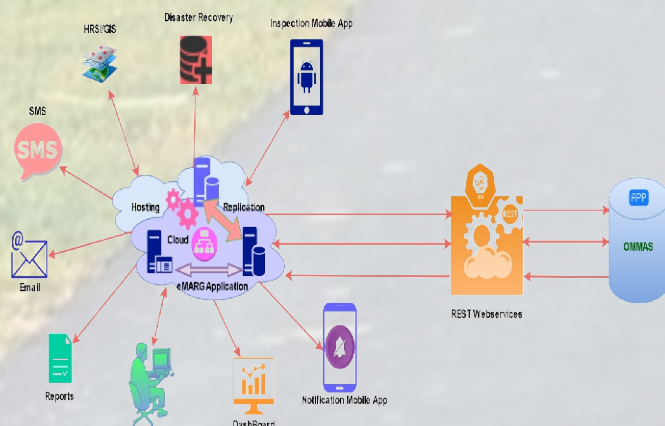


AWARDS AND RECOGNITION SO FAR

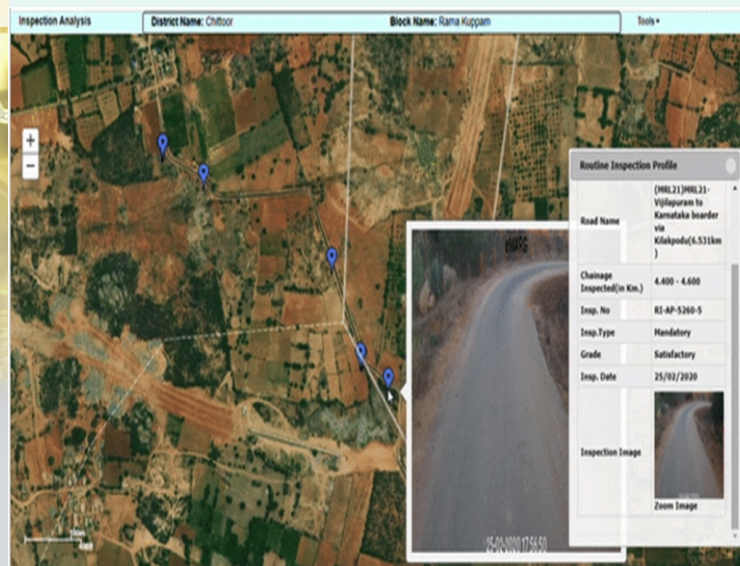
Gold Award Winners for Skoch Awards 2020

Silver Award Winners for National Awards for eGovernance 2021

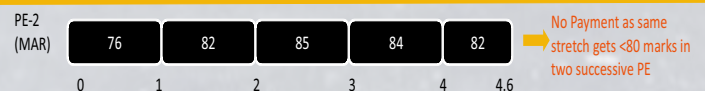
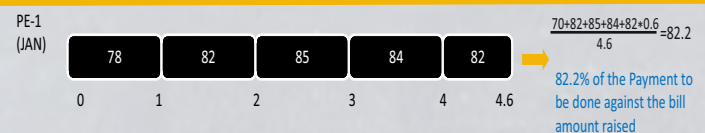
Award of Appreciation, 19th CSI SIG eGovernance Awards 2021



DIGITAL WALKING ON ROAD FOR MONITORING



Time and Space Walking:
Option to see the condition of road at different time intervals



NATIONAL RURAL INFRASTRUCTURE DEVELOPMENT AGENCY (NRIDA)
MINISTRY OF RURAL DEVELOPMENT
GOVERNMENT OF INDIA

eMARG

(electronic Maintenance of Rural Roads under PMGSY)

www.emarg.gov.in

THE ROAD TO DIGITAL TRANSFORMATION

EXCELLENCE IN GOVERNMENT PROCESS RE-ENGINEERING FOR DIGITAL TRANSFORMATION

Development Partners





Pradhan Mantri Gram Sadak Yojana

Rural Road Connectivity

7,78,625 km of roads sanctioned
6,81,984 km roads constructed
3,40,370 Cr Asset value worth
12% of India's entire road network
1,78,000+ habitations connected
40.5 Cr population (48% rural population) benefitted

MAINTENANCE OF PMGSY ROADS UNDER PERFORMANCE BASED MAINTENANCE CONTRACTS (PBMC)

BOQ system (OLD)



- INPUT BASED MEASURE THE SIZE OF THE POTHOLE FILLED AND MATERIAL INVOLVED
- PAY CONTRACTOR BASED ON THE SAME
- NO GUARANTEE ROAD IS IN GOOD CONDITION



PBMC (NEW)

- OUTCOME BASED MEASURE IF THE ROAD FINALLY IS IN GOOD CONDITION OR NOT
- UNRELATED TO HOW MUCH EFFORT CONTRACTOR PUT IN BRING ROAD TO GOOD CONDITION

PERFORMANCE RUBRIC FOR MAINTENANCE OF ROAD

#	Parameters	Marks	#	Parameters	Marks
1	Maintenance of surface of road including filling potholes and patch repairs etc.	50	7	Maintenance of road signs, speed breakers, standing trees adjacent to road wherever required	2
2	Making up of berms/shoulders	20	8	Maintenance of 200 m and Kilo Meter stones	2
3	Restoration of rain cuts and dressing of side slopes/berms	10	9	Cutting of branches of trees, shrubs and trimming of grass and weeds etc	3
4	Maintenance of drains	3	10	White washing parapets of Works including CD	2
5	Maintenance of culverts and cause ways	4	11	Painting of guard stones	2
6	Maintenance of guardrails and parapet rails	1	12	Re-fixing displaced guard stones	1
			Total		100

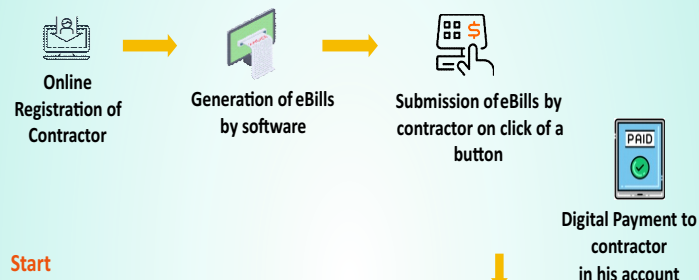
eMARG

Electronic Maintenance of Rural Roads

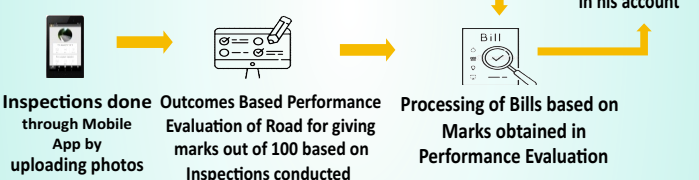
- IT re-engineering for all functions related to the execution, monitoring and management of rural road maintenance centered around outcomes and evidence
- End to end digitization of all processes related to maintenance from billing, verification of work, final payment to contractors and monitoring.
- Fusion of multiple e-governance technologies such as Web ERP, GIS, mobile apps, SMS, digital payments and accounting.

Maintenance Through eMARG

Start



Start



DATA ANALYTICS FOR EFFECTIVE MONITORING

PERFORMANCE BASED MAINTENANCE CONTRACT

PLATFORM DIGITIZATION

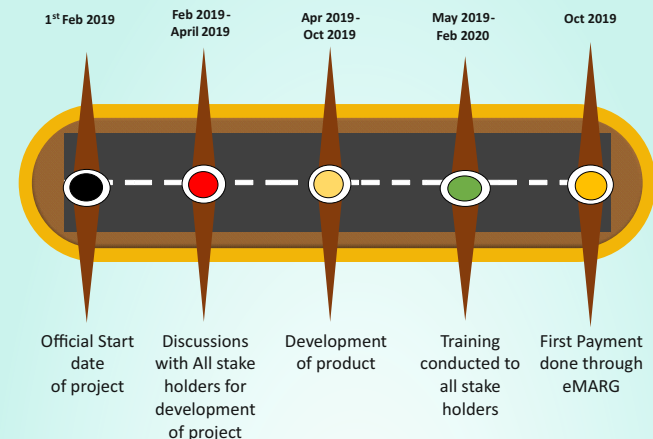
PROCESS AUTOMATION & OPTIMIZATION

SMS NOTIFICATIONS & REMINDERS TO ENSURE TIMELY MAINTENANCE

MOBILE APPLICATION BASED INSPECTIONS WITH GIS INTEGRATION

FEATURES OF eMARG

JOURNEY OF IMPLEMENTATION



ACHIEVEMENTS SO FAR

Milestone of 1000 Cr Payment through eMARG Achieved

29 States and UTs making payments	1,330 Engineers from 737 districts PAN India using eMARG	13,038 Contractors registered on eMARG
1,96,000 km Road available in eMARG for payments	5,07,242 Routine Inspections carried out	10,00,000+ Photographs on record for seeing the condition of roads
8,91,539 Bills Submitted by contractors across country	1,033 Cr Payments disbursed Nationally	5,662 Zero Payment Roads

Payments made through eMARG (Cr)

