

File No. P-17024/12/2020-RC (369983)

Government of India  
Ministry of Rural Development  
Department of Rural Development

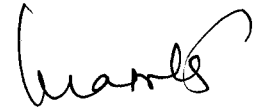
Krishi Bhavan, New Delhi  
Dated the 27<sup>th</sup> February, 2020

MINUTES

**Sub: Minutes of the Meeting of Empowered Committee to discuss the project proposals for PMGSY-III submitted by the State Government of Karnataka for the 2019-20 (Batch-I) -reg.**

The undersigned is directed to enclose herewith a copy of minutes of the meeting of Empowered Committee held on 26<sup>th</sup> February, 2020 under the Chairmanship of Secretary (RD) to consider the proposals submitted by the State of Karnataka under PMGSY-III Batch-I (2019-20).

2. It is requested that a compliance report on all the observations of the Committee may be sent to the Ministry/NRIDA.



(Mamta)

Joint Director (RC)

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**Distribution:**

1. The Principal Secretary, 3rd floor, M.S.Building, K.R.Circle, Bengaluru-01.
2. The Chief Engineer Karnataka Rural Road Development Agency 3rd floor, Grameenabhivrudhi bhavana, Anand Rao Circle Bengaluru-09.
3. The Adviser, NITI Aayog
4. Shri I.K Pandey, DG (RD) &SS, Road Wing Department, Ministry of Road Transport & Highways Transport Bhawan, New Delhi.
5. The Chief Scientist, Central Roads Research Institute, Mathura Road, New Delhi.
6. The Secretary General, Indian Road Congress, Kama Koti Marg, Ranji Nagar, Sector 6, Rama Krishna Puram, New Delhi, Delhi 1100227.
7. The Secretary, Department of Agriculture, Cooperation and Farmers' Welfare, Ministry of Agriculture and Farmers' Welfare, Krishi Bhavan, New Delhi, with the request to nominate an officer dealing with Agricultural Produce and Live Stock Marketing (Promotion and Facilitation) Model Act 2017, for the meeting.
8. All Directors in National Rural Infrastructure Development Agency (NRIDA), 15 NBCC Tower, 5th Floor, Bhikaji Cama Place, New Delhi-110001

**Copy for information to:-**

PPS to MRD/PS to MoS/PPS to Secretary (RD)/ PSO to AS & FA/PPS to AS (RD).

**MINUTES OF THE MEETING OF THE EMPOWERED COMMITTEE HELD ON 26<sup>th</sup> FEBRUARY, 2020 TO CONSIDER PROJECT PROPOSALS SUBMITTED BY GOVERNMENT OF KARNATAKA UNDER PMGSY III, BATCH I, 2019-20**

A Meeting of the Empowered Committee (EC) was held on 26<sup>th</sup> February, 2020 at 11:30 AM under the Chairmanship of Secretary, Department of Rural Development to consider the proposals of the State of Karnataka for PMGSY-III, Batch I of 2019-20. Following officials were present in the meeting.

Shri Rajesh Bhushan	Secretary (RD)
Smt. Alka Upadhyaya	Addl. Secretary (RD)
Shri Mam Chand	DS (Finance), MoRD
Miss Mamta	Joint Director (RC), MoRD
Shri. B C Pradhan	Director (Tech), NRIDA
Shri Deepak Ashish Kaul	Dir (F&A), NRIDA
Dr I. K. Pateriya	Director (P III), NRIDA
Shri P. Mohanasundaram	Joint Director (Tech.), NRIDA
Shri Harsh Nisar	Data Scientist, NRIDA
<b>State Govt. Representatives</b>	
Shri. L. K. Atheeq	Principal Secretary to Government, RD&PR Department, Govt. of Karnataka
Shri. Prabhakar D Hamigi	Chief Operating Officer, KRRDA
Sri. C. K. Mallappa	SQC, KRRDA
Shri. M. K. Vidyashankar	Executive Engineer, KRRDA
Smt. Radha	ITNO, KRRDA
Shri. Dineshkumar	Assistant Executive Engineer
Shri. Sampathkumar	Assistant Executive Engineer

**2. Current Proposal by the State:**

A detailed presentation on the proposal for PMGSY-III, Batch I of 2019-20 submitted by the State of Karnataka was made by NRIDA before the Empowered Committee. The details of the proposal are as under:-

Length (in km) Cost (Rs in Crores)

As per Pre EC dated 31.01.2020					Current proposal as per OMMAS as on 25.02.2020			
Item	No of works	Length	Cost (Rs.)	Avg. Cost/km (Lakhs)	No of works	Length (in km)	Cost (Rs.)	Avg. Cost/km (Lakhs)
Up-gradation	498	3,620.61	2,948.62	81.44	513	3,626.98	2,463.36	67.92
LSBs					26	1,023.67 m	45.30	4.43/m
<b>Total</b>	498	3,620.61	2,948.62*	81.44	513 roads 26 LSBs	3,626.98 Km roads 1,023.67 m LSBs	2,508.66*	

**\*MoRD Share: Rs. 1,477.36 Crores      State Share : Rs. 1,031.30 Crores**

**PMGSY Allocation : 5,612.50 Kms      Sanctioned: Nil**

Out of 513 proposed roads, 22 roads (215.16 Km) are 5.5 m wide with average cost of Rs 95.46 lakhs/km, 491 roads (3,411.83 km) are 3.75 m wide with 66.18 lakh/km. All the proposals have been uploaded on OMMAS and scrutinized by STAs.

The State has informed that 6 roads of 14.24 Km have been removed since the proposed length is less than 3 Km. Further, State informed that 12 roads of 63.45 Km have also been removed due to issue of habitation mapping raised in the Pre EC meeting. Accordingly, the EC has considered only 495 roads of 3,549.29 Km under Batch – I. The details of 495 roads and 26 bridges considered by the EC is as under

As per Pre EC dated 31.01.2020					Current proposal considered by the EC			
Item	No of works	Length (in Km)	Cost (Rs in Crores)	Avg. Cost/km (Lakhs)	No of works	Length (in km)	Cost (Rs in Crores)	Avg. Cost/km (Lakhs)
Up-gradation	498	3,620.61	2,948.62	81.44	495	3,549.29	2,413.72	68.01
LSBs					26	1,023.67 m	45.30	4.43 /m
<b>Total</b>	498	3,620.61	2,948.62*	81.44	495 roads 26 LSBs	3,549.29 Km roads 1,023.67 m LSBs	2,459.02*	

\*MoRD Share: Rs. 1,448.40 Crores      State Share : Rs. 1,010.62 Crores

PMGSY Allocation : 5,612.50 Kms      Sanctioned: Nil

State was asked to make provision of the adequate fund for the programme (State share) in the state Budget for FY 2020-21. State has assured that it will bring another 2,000 km in Batch II, PMGSY III in June, 2020.

### 3. Quality of Proposed Roads (Trace Map Ranks)

- Higher the trace map rank, higher the assumed use of the road directly and indirectly for access to schools, hospitals and markets.
- For Karnataka we can assume consider Top-50 to be good instead of Top-15 because average Block Size is >600 roads. Then 77% coverage is achieved.

Details of 495 roads are as under.

Trace Map Rank	Number of Proposals	%
1-15	253	51%
15-50	128	25%
50-100	66	14%
100-300	48	10%

### 4. Direct Connectivity Statistics:

After dropping 18 roads, 7602 facilities directly (<3 km) lay on 495 roads considered in the EC. On an average 15 facilities are lying per route. 47 roads are connecting Rurban Clusters. This is perhaps an underestimate as roads lead to facilities which don't have to be on the particular road itself. The details are as under:

Facility Type	Number of Unique Facilities
Admin	1532
Education	1633
Medical	1066
Agro	2044
Transport	1327

## 5. Planning Compliances:

- i. The 6 Blocks for which the CUCPL generated was not as per guidelines as per Pre-EC, have not been rectified by the State. Hence all such proposals are removed from the first batch. The proposals for these blocks will be deleted and fresh CUCPL needs to be generated for the consequent batches. This is pre-requisite for the consequent batch.
- ii. 6 Blocks with exceptionally high number of roads proposed vis-à-vis the DRRP length were required to be investigated by SQC or senior SRRDA officials if they met the eligibility requirement of PMGSY (PCI, DLP etc) by means of field visit. SQC has to sign-off on the report and ensure the roads are actually eligible under PMGSY-III. SRRDA has not submitted the verification report and has intimated it will be submitted. The State has responded that certain roads were already removed in the Batch I and only 24 roads are included in the current proposal. The EC has directed the State to submit the verification report and if found satisfactory such roads will be cleared on file. In case, if any proposal found to be ineligible and the same will be dropped.
- iii. 3 Blocks from Aspirations Districts have no proposals yet – the State has intimated that the candidate roads will be expanded to find eligible roads in these blocks in the consequent batches. Similarly, 9 Blocks with high number of rural roads but with no proposal the SRRDA to ensure the blocks have proposals in the next Batch. This is pre-requisite for the consequent batch.
- iv. For the blocks coming in consequent batches, the SRRDA has agreed to increase the coverage of candidate roads to cover routes from the Top-50 Trace Map ranks. This is pre-requisite for the consequent batch.
- v. 47 roads which were skipped for land issue and forest issue; the SRRDA is required to submit a road wise detail on whether forest clearances are being pursued and ensure land is not available after such pursuance. This is pre-requisite for the consequent batch.

## 6. General Observations:

- i. Bituminous Macadam (BM) is proposed on 11 roads where the traffic is less than T7, which is against IRC:SP:72:2015. The State has informed that the roads have been proposed BM overlay alone without disturbing the existing crust and found cost savings and the same was accepted by the STAs during their scrutiny. The EC has agreed to the proposal.
- ii. GSB layer proposed to full width of road, which is not as per IRC:SP:72:2015. The GSB layer should be restricted to 4.05 m for 3.75 m carriageway roads and 5.80 m for 5.50 m carriageway roads. The State has responded that the provision has been corrected in all the DPRs.
- iii. 3<sup>rd</sup> party traffic survey or axle load survey details needs to be provided wherever roads proposed more than 1 MSA, as per guidelines. This needs compliance before tendering of the works.
- iv. The cost towards road safety items is on the higher side. On an average Rs. 5 Lakhs/km has been proposed. The State was asked to relook the DPRs and make necessary changes before tendering.
- v. State has proposed 1% of project cost towards shifting water supply lines, Utility shifting ie shifting Electric/Telephone poles and LS provision made for afforestation charges. State has not uploaded this cost under higher specification. Chairman suggested that Utility Shifting component should be part of DPR and cost on Utility Shifting should be decided on case to case basis and the same should be entirely borne by the State.

## 7. DPR Issues

- i. All existing CDs have been replaced and higher number of new CDs proposed. CDs need to be justified with L and X section drawings.
- ii. The maximum length of return walls must be 1.5 times of the height of embankment.
- iii. RCC retaining wall proposed. Needs to be justified with X section drawings and for economical construction it must be either RR masonry or PCC.
- iv. Road marking – edge line with hot-applied Thermoplastic compound should be proposed only in vulnerable portions such as sharp curves, approach to the narrow bridge, on pavements with width transitions, etc., and not for the entire length.
- v. Metal Beam Crash Barrier proposed invariably in all roads. Needs to be justified.
- vi. Junction improvements, all the branch roads do not require improvements from the embankment construction. Certain branch roads are existing BT/CC roads and they requires only repair. However, in the DPR similar provisions made for all the branch roads (Approach road) and needs to be rationalised.
- vii. Bridge Joint Inspection reports have not been received.

***Committee directed the State to relook the DPRs keeping in view the above observations as well as the requirements as per the road safety provisions and send the appropriate justification and compliance by 15.03.2020 before tendering of works.***

The Technical division of NRIDA has brought to the notice of EC that 26 roads of 151.63 Km are having higher average cost. The EC suggested shifting these proposals to next batch and after verification of DPRs by the State and NRIDA the proposal will be considered on file for issuing clearance.

## 8. Status of Marketing Reforms

Karnataka has adopted all the Provisions under model APLM Act, 2017.

## 9. Maintenance

Committee has agreed to the State's proposal of Rs. 19,235.42 lakh (7.97 % of the construction cost) for 5 years routine maintenance cost under PMGSY III. However, state needs to increase the allocation for 6<sup>th</sup> year's renewal from 10.53% (Rs. 25,419.84 lakh) to 18-20% of the construction cost. State should also have to make provision of Rs 250 crore for maintenance during FY 2020-21. Committee also observed that there is low expenditure of fund provided against financial incentive which needs the attention of the State.

## 10. e-MARG

Payment under e-Marg is done in 1 out of 22 registered packages. For remaining registered packages, payment needs to be completed by the State immediately.

## 11. R & D Proposals

The state has proposed 246 no of roads of 528.81 km using various new technologies as indicated below:

Sl.No	Name of Technology	No	Length(in Km)
1	Waste Plastics	155	333.71
2	Cold Mix	12	49.63
3	Cement Stabilization	1	5.57
4	White Topping	3	3.52
5	Soil Stabilizer JGRS**	1	1.22
6	Coir Technology for Subgrade improvement**	4	5.94
7	Geocell**	14	35.36
8	Terrazyme	53	66.74
9	None*	3	27.12
	<b>Total</b>	<b>246</b>	<b>528.81</b>

\*Technology to be specified.

\*\*DPRs need to be scrutinized on sample basis for the roads using IRC Accredited Materials/Technologies, before tendering.

State has proposed 392.43 km (11.06 % of length) using Main Streaming Technology and 136.38 km (3.84 % length) using IRC Accredited Materials/Technologies. State was suggested to propose at least 5% of total length under IRC Accredited Materials/Technologies as per New Technology Initiative guidelines.

State must sign MoU with Technology Provider and NRIDA before physically starting the work for Performance Evaluation in all these cases. State needs to provide performance evaluation reports of earlier sanctioned works and the roads have been completed.

## 12. Progress of PMGSY works

State has connected all habitations and completed all works sanctioned under PMGSY I&II. Details of the programme in the state are as under:

### Roads

S.No	SCHEME	SANCTIONED		COMPLETED		BALANCE ROAD LENGTH (Km)
		Nos.	LENGTH (Km)	Nos.	LENGTH (Km)	
1	PMGSY I	3277	16359.36	3277	16357.15	-
2	PMGSY II	314	2241.17	314	2218.16	-

### Bridges

S.No	SCHEME	SANCTION (Nos.)	COMPLETED (Nos.)	BALANCE (Nos.)
1	PMGSY I	36	36	-
2	PMGSY II	11	11	-

### Connectivity Status

Total Eligible Habs	Sanctioned Habs	Connected Habs	State Connected Habs.	Total
423	296	296	127	423

### **13. Finance Issues:**

Committee observed that as against the provision of Rs 50 lakh ceiling of cash in hand, State has 6.46 crore in Savings Bank Account and Committee directed the State to shift the excess amount in FD. TDS deducted under Programme Fund and Maintenance Fund is in contravention of the stipulated rule and needs to be resolved by the State.

### **14. Recommendations of Empowered Committee**

Empowered Committee recommended the above proposal at Para 2 above subject to fulfillment of the observations made in the foregoing paras and compliance thereof.

**15.** The meeting ended with vote of thanks to the Chair.

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