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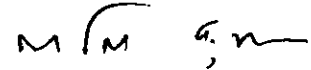
Government of India
Ministry of Rural Development
Department of Rural Development
Rural Connectivity (RC) Division

Room No.366-C
Krishi Bhavan, New Delhi,
Dated the 24th August, 2018

MEETING NOTICE

Subject: Minutes of Pre Empowered Committee to consider the project proposals under Pradhan Mantri Gram Sadak Yojana-I (Batch-I, 2018-19) in respect of the State of Tamil Nadu.

A copy of the Minutes of the Pre Empowered Committee Meeting held on 20th August, 2018 to discuss the proposal received from Tamil Nadu under PMGSY-I (Batch-I, 2018-19) is forwarded herewith for information and necessary action.



(Lalit Kumar)
Under Secretary (RC)
Tel No. 011-23386378

Distribution:

1. The Principal Secretary, Rural Development & Panchayt Raj Department, Government of Tamil Nadu, Secretariat, Chennai-600009. - 141109/18
2. Director/CEO PMGSY, Rural Development & Panchayat Raj Department/Tamil Nadu Rural Housing & Infrastructure Development Corporation (TNRHIDC), Government of Tamil Nadu, Panagal Building, Saidpet, Chennai-600015, Tamil Nadu. - 141109/18-1
3. All Directors in National Rural Roads Development Agency (NRRDA), 15th NBCC Tower, 5th Floor, Bhikaji Cama Place, New Delhi-110066. - 378841/18 to (2)

Copy for information to:-

PS to MRD)/PPS to Secretary (RD)/PPS to AS&FA/ PPS to JS (RC), Ministry of Rural Development. - (3) to (6)

Issued
24/8/18

**MINUTES OF THE MEETING OF THE PRE-EMPOWERED COMMITTEE HELD ON
20TH AUGUST, 2018 TO CONSIDER PROJECT PROPOSALS SUBMITTED BY THE
GOVERNMENT OF TAMILNADU UNDER PRADHAN MANTRI GRAM SADAK
YOJANA (PMGSY)**

A Meeting of the Pre-Empowered Committee was held under the Chairpersonship of Joint Secretary (RC), Ministry of Rural Development on 20th August, 2018 to discuss the proposals submitted by the State of Tamil Nadu under Pradhan Mantri Gram Sadak Yojana (PMGSY) (Batch-I, 2018-19). List of participants is given below:-

Smt. Alka Upadhyaya	Joint Secretary (RC), MoRD
Ms. Mamta	Joint Director (RC), MoRD
Shri Mam Chand	DS (IFD), MoRD
Shri Lalit Kumar	Under Secretary (RC), MoRD
Shri B.C. Pradhan	Consultant, NRIDA
Shri P. Mohansundaram	Joint Director (Tech.), NRIDA
Shri Kailash Bisht	Deputy Director, DD (F&A), NRIDA
State Govt. Representatives	
Ms. R. Rajashree	Addl. Director
Shri A. Sarvana Kumar	SE (RD)
Shri A. Kuttalingam	SE
Shri R. Harikrishnan	SQC
Shri J. Pancerselvam	SRRDA, Tamil Nadu
Ms. T. Sujatha	AEE (RD)
Shri R. Balachandran	Financial Controller
Shri S. Selvam	AE, SRRDA

2. Details of proposals discussed by the Committee for the State of Tamil Nadu (Batch-I, 2018-19) are as under:-

Item	Current Proposal as per OMMAS as on 18.08.2018			
	No. of Roads	Length (in Km)	Cost (Rs. in crores)	Average Cost/Km (in lakhs)
Upgradation	477	1,001.57	600.69	59.97
LSBs	26	1,027.80 m	50.79	4.94
Total	477 roads, 26 bridges	1,001.57 Kms roads, 1,027.80 m bridges	651.48*	

* MoRD Share- Rs.389.03 Crores, State Share- Rs. 262.45 Crores

i. The total upgradation target allocated to the State of Tamil Nadu under PMGSY-I is 13,320.60 Kms, out of which the State has so far been sanctioned 11,881.94 Kms.

ii. Out of 26 LSBs, 3 LSBs in Tiruvarur District are left out bridges on roads sanctioned prior to 2011. It may be noted that Ministry had conveyed its in-principle approval on 1050 km road length for upgradation under PMGSY I as a special case on the ground that the State has a balanced length of 1646.70 Km out of the allocated target of Upgradation under PMGSY-I and that the eligible

roads in the Core Network in the State got damaged due to natural calamities. Since the above mentioned 3 LSBs do not constitute a part of the road length agreed to by the Ministry, it was decided in the pre EC meeting that the matter may be flagged before the Empowered Committee for taking a view in the matter.

iii. 9 roads uploaded on OMMAS under Batch-I of ADB should be shifted to Batch-I of Regular PMGSY (2 roads in Pudukottai and 7 roads in Nilgiris districts)

3. Habitation Connectivity Status

Item	1000+	500+	Total
Eligible unconnected habitations as per Cabinet approval	555	1648	2203
Net eligible unconnected habitations reconciled by the State	558	1456	2014
As per OMMAS as on 18.8.2018	558	1456	2014
Connected under State Schemes as per OMMAS as on 18.8.2018	0	8	8
Habitations sanctioned as per NRRDA's record	558	1437	1995
Habitations sanctioned as per OMMAS	558	1437	1995
Balance unconnected habitations as per OMMAS as on 18.8.2018	0	11	11
Balance unconnected habitations to be sanctioned as per OMMAS	0	0	0
Habitations not feasible	0	11	11

4. DPR/General Issues

- No habitation mapped on 3 Link roads (TN08116, TN09322, TN09325), which are not eligible as per PMGSY guidelines, needs to be dropped.
- Transect walk photographs have not been attached with the DPRs.
- Existing pavement materials are mixed with Fly Ash and used as improved sub-grade. The reported CBR of improved sub grade is 7 to 9, which does not seem to be realistic, as this will be much higher probably eliminating the need of sub-base layer. State should provide test results indicating LL, PI, MDD, OMC, Gradation and CBR through STA laboratory before EC meeting. These materials can be used for stabilized sub base/base using cement/commercial stabilizers.
- As per Clause 2.2.3 of IRC SP-72-2015, Overlay thickness required for traffic up to T5 category, the additional WBM layers to be provided shall not exceed 150 mm comprising of two layers of WBM irrespective of CBR. GSB Layer should be provided for widening portions. GSB cannot be provided over existing BT/WBM layers, majority of the DPRs, GSB has been proposed.

- All existing Hume pipe culverts proposed for replacement with RCC slab culverts in most of the cases. It needs to be verified according to site requirements and Hume Pipe Culverts may be proposed wherever suitable instead of slab culverts.
- Invariably Cement concrete protective works have been proposed in many of the road works to widen and to protect the road embankment from water course. As these roads are proposed for up-gradation, State needs to find out the extent of land available as per revenue records and tangible action should be taken to remove the encroachments, which will reduce the requirements of costlier protective works.
- State should explore the possibility to provide revetments with Toe wall in place of Concrete retaining walls.
- Provision of OGPC should be changed to surface dressing for roads having low traffic upto T5 as per IRC SP:72-2015 (Cl 7.3.3).
- Average Cost per km in Nagapattinam, Ramanathapuram and Thanjavur districts are higher when compared to State average because of higher length of concrete retaining wall and higher number of CD structures. This needs to be verified by senior officers of SRRDA.
- Higher length of CC pavement proposed in Nilgiris (24%) and Kanniyakumari (19%) district, which increase higher average cost. Majority of CC pavement may be converted to Cell Filled Concrete or Panelled Cement concrete pavement to economies the cost of construction.
- Average cost per Km of roads in Thirumarugal block of Nagapattinam district is very high in the order of Rs. 138 Lakhs/Km to Rs. 282.46 Lakhs/Km, which is mainly due to concrete protective works (60 to 80% of total cost). These DPRs should be verified by the senior officers of SRRDA/experts and ensure that the provisions made in the DPRs are as per site requirements.
- State should verify the DPRs including site inspections by the CE/SE level officers where the average cost is more than Rs. 80 Lakhs/Km (98 cases).
- Sand soling provided in the foundation of culverts needs to be deleted and depth of foundation/Width should be decided as per the height of abutment.
- One road proposed with 5.50 m carriageway width (TN21204) in Tiruvarur block of Tiruvarur district. Additional cost beyond 3.75 m width should come from State share.
- The bridges proposed in Link routes. As per guidelines, 5.50 m width of bridge is only permitted for Link routes. The difference in amount from 7.50 m to 5.50 m width of Bridge is to be borne by the State as additional share.

5. R & D Proposals

Technology	Nos.	Length in Km
Bitumen Stabilization	04	6.74
Mechanical Stabilization	09	19.43
Cement Stabilization	03	5.95
Cold Mix	06	30.10
Waste Plastic	02	7.00
CMR Bitplast Wet process	47	134.78
Terrazyme	08	17.90
RBI Grade 81*	40	14.66
Nano Technology	45	117.38
Coir Technology for sub-grade improvement	03	6.00
Other Technology/None**	02	3.87
Total	169	363.81

* Not available in IRC accredited material list. State needs to provide copy of IRC accreditation.

** Technology name needs to be specified.

6. R & D Technology

S.No.	Description	Minimum length to be proposed	Length proposed	Percentage of R&D roads with respect to total length
1.	Technology with IRC specification (Main streaming of Technology) -10%	100.16	69.22	6.91%
2.	Technology with IRC Accreditation -5%	50.08	290.72**	29.03%

State must sign MoU with Technology Provider and NRIDA before physically starting the work for Performance Evaluation in all these cases, as this has not been done in earlier sanctioned works and the roads have been completed.

State should propose more length (10% of total length) using Mainstreaming technology as per guidelines.

Defect liability relaxation can be allowed only for 5 roads proposed with IRC accredited materials/technologies after signing of MoU as per the recommendations of Standing Advisory Committee of NRIDA.

**State may be asked to propose 100 Km length under A2 component of WB RRP II Additional Financing (piloting of climate resilient and environmentally optimized design). A target length of 1500 Kms is available for non WB States.

7. Quality Control

41.62 % Contractors work have not been inspected by NQM even once. Since this is a serious matter, JS (RC) has taken cognizance of the same and directed that Director (P.III), NRIDA may depute NQMs immediately.

8. Recommendation of the Committee

After due deliberations, pre EC has decided that the State should send a compliance report to the Ministry on all observations as indicated in the foregoing paras within two weeks.

9. The meeting ended with Vote of Thanks to and from the Chair.
