

File No-P.17024/19/2023-RC (FMS-383086)

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

Krishi Bhavan, New Delhi
Date: 13th February, 2023

MINUTES

Subject: Minutes of the Meeting of Pre-Empowered Committee held on 18th January, 2023 to discuss project proposals of State of Nagaland under PMGSY-III (Batch-I, 2022-23)-reg.

The undersigned is directed to enclose herewith the Minutes of the Pre-Empowered Committee meeting held on **18th January, 2023 at 02:00 PM** under the Chairmanship of Additional Secretary (RD) & DG, NRIDA (**through Video Conferencing**) to discuss the project proposals submitted by the State of Nagaland under PMGSY-III (Batch-I, 2022-23).

2. This issues with the approval of the competent authority.



(Devinder Kumar)

Director (RC)

Tel. No: 011-23070129

Distribution:

- i. The Commissioner & Secretary, Works & Housing Department, Government of Nagaland Kohima 797001.
- ii. Er. Kevide Nakhro, Chief Engineer (PWD) and Empowered Officer, PWD (Roads & Bridges) PWD Complex, Nagaland Rural Roads Development Agency (NGRRDA), Nagaland, Kohima-797001.
- iii. All Directors in NRIDA.

Copy to:-

PPS to AS (RD)/PPS to JS (RC)

Minutes of the Pre- Empowered Committee meeting held on 18th January, 2023 at 02:00 PM to discuss the project submitted by the Government of Nagaland under PMGSY-III, (Batch-I, 2022-23)

A Meeting of the Pre- Empowered Committee was held through Video Conference on 18th January, 2023 at 02:00 PM under the Chairmanship of Additional Secretary (RD) & DG, NRIDA to consider the Project proposals submitted by the State of Nagaland under Pradhan Mantri Gram Sadak Yojana-III (PMGSY-III) for the year 2022-23 (Batch-I).The following officials were present in the meeting:-

Dr. Ashish Kumar Goel	Additional Secretary (RD), MoRD& DG, NRIDA
Shri Amit Shukla	Joint Secretary (RC)
Shri Devinder Kumar	Director (RC), MoRD
Shri B C Pradhan	Consultant/Director (Tech), NRIDA
Shri Pradeep Aggarwal	Director (Projects-I), NRIDA
Dr. I.K. Pateriya	Director (Projects-III), NRIDA
Shri Nirmal Bhagat	Director (Finance), NRIDA
State Govt. Representatives	
Shri Kesonyu Yhome	Secretary, PWD, Nagaland
Er. Kahulie Sema	Engineer in Chief & Empowered Officer, NGRRDA, Nagaland
Er. Kevide Nakhro	Chief Engineer, NGRRDA, Nagaland
Er. Hozheto Shikhu	Add Chief Engineer & SQC, NGRRDA, Nagaland
Er. Swarai Meru	S.E, NGRRDA, Nagaland
Er. Imnameren	EE(NGRRDA & NMO)
Er. Wecie	ITNO, NGRRDA, Nagaland

2. Details of Proposal

The details of the current proposal submitted by the State of Nagaland under PMGSY-III, Batch-I of 2022-23 are as under:-

Item	As per OMMAS dated 18.01.2022			
	No	Length (in km/m)	Cost (Rs in Crores)	Avg. Cost per km/m (Lakhs)
Up-Gradation Roads	40	511.41	454.92	88.95
LSBs	-	-	-	-
Total	40	511.41	454.92	88.95
*MoRD Share : Rs. 409.43 Crore Target: 562.5 km		State share : Rs. 45.49 Crore Sanctioned : Nil		

3. General Observations

- i. State has informed that STA has done scrutiny of proposals, but not uploaded on OMMAS. The State should ensure that 100% scrutiny of projects by STA is done on OMMAS. PTA scrutiny of at least 10% of the proposals is yet to be done. The state was advised to complete the PTA scrutiny before EC.
- ii. The State of Nagaland has submitted the proposals of 40 road works of 511.41 km. Out of 40 roads, 37 roads of 440.93 km are in 3.75 m carriageway width category with average cost of Rs. 85.68 Lakhs/km and 03 roads of 70.48 Km are in 5.50 m carriageway width category with average cost of Rs. 109.48 Lakhs/km.
- iii. State has informed that LSBs will also be proposed for roads taken under this Batch.

4. Trace Map ranking

Trace Map Rank	Numbers of Proposals (%)
1 to 15	37 (93%)
16 to 22	03 (07%)
Total	40

Trace map rank of all the proposals is satisfactory.

5. Planning Audit (Proposals)

- i. All 40 road proposals are uploaded on GEOSADAK. Planning Team of NRIDA verified 40 road proposals and audited for their utility as TR/MRL under PMGSY-III. Total 13 proposals were flagged for Justification, out of which state has submitted compliance for 08 proposals.
- ii. State was asked for modifications in 04 proposals, out of which state has made minor modifications in 02 proposals.
- iii. State has deleted 09 unsatisfactory road proposals from current batch.

Pre-Empowered Committee directed NRIDA to examine all the alignments on GIS and do field visits and verify whether these roads are meeting the objectives of PMGSY-III.

6. Surface wise details of existing roads

Out of total proposed length of 511.41 km in the current batch, 1.23 km is gravel/moorum, 22.27 km is WBM and 487.91 km is BT. All the roads have more than 75% BT/CC.

7. High Priority roads skipped in CUCPL

It was observed that 51 high priority roads have been skipped citing different reasons. Pre-Empowered Committee directed that State needs to examine and provide road-wise justification with necessary documentary proof for 02 roads where ownership is with another department. State should also examine that 01 road where proposed road length is less than the limit and 20 road works where TR/MRL is a terminating link route and not permitted till all TR/MRL are saturated as these roads might be useful from PMGSY-III objectives.

8. Length wise proposal details

Sl No	Items	No of roads	Total Length in km	Average Pavement cost/ km (in lakhs)	cost/km (in lakhs)	Total cost/km (in crore)	Total average cost/km (in lakhs)
	3 to 5 km	1	4.7	1.97	41.87	2.96	63.06
	5 km and above	39	506.71	358.97	70.84	451.96	89.20
	Total	40	511.41	360.93	70.58	454.92	88.95

Out of 40 roads, 1 road is 3 to 5 Km in length and 39 roads are more than 5 Km in length. Average Candidate Road length is 12.7 km and average proposed road length is 12.7 km.

9. Distribution of roads based on Traffic category

Distribution of roads based on Traffic Category											
S.No	Traffic	3.75 m carriageway width					5.5 m carriageway width				
		No of road s	Total Length in km	Average Pavement cost/ Km (in lakh)	Average Non-Pa ve cost/ Km (in lakh)	Total A verage Cost/km (in lakh)	No of road s	Total Length in km	Average Pavement cost/ Km (in lakh)	Average Non-Pa ve cost/ Km (in lakh)	Total A verage Cost/km (in lakh)
1	T3	08	67.2	67.88	19.16	87.04					
2	T4	21	230.21	66.77	19.89	86.66					
3	T5	08	143.52	66.79	16.67	83.46					
4	T6						03	70.48	93.31	16.17	109.48
	Total	37	440.93	66.95	18.73	85.68	03	70.48	93.31	16.17	109.48

No specific issue was observed for distribution of roads based on different traffic categories.

10. Details of roads with PCU/day

In case of 3.75 m carriageway width road, 33 roads have PCU < 500, 2 roads have PCU 500-1000 and 02 roads have PCU 1000-1500.

In case of 5.5 m width carriageway roads, 02 roads have PCU 1500-2000 but 01 road has PCU 1000-1500 which need re-verification. State should re-verify the PCU of this particular road (1000-1500) and examining why it has been proposed with 5.5 m carriageway.

11. Distribution of roads based on widening

State has proposed widening of 31 roads from 3 to 3.75 m and 2 roads from 3.75 to 5.50 m. All roads are being proposed under FDR.

12. Details of roads with pavement cost/km

It was observed by Pre-Empowered Committee (Pre-EC) that in case of 3.75 m carriageway width roads, average cost of Rs.85.60 lakhs/km is lower than Rs.93.69 lakhs/km of PMGSY-II sanction of 2019-20. However, state is requested to look in to pavement cost of 3.75 m carriageway width roads having cost more than 70 lakhs/km.

State is requested to check the design of FDR being adopted from a reputed Institute IIT, CRRRI etc. and also check necessity and technical requirement of SAMI layer above FDR base. State should also send SOR of FDR to NRIDA for examination/ approval.

13. Details of roads with non-pavement cost/km

The 18 roads have very high non-pavement cost. *Detailed justification is required for such abnormal high non pavement cost. Pre EC observed that this high non pavement cost may be due to inclusion of non-BT/CC (Kucha) roads. State should examine the DPRs in consultation with NRIDA. NRIDA should do field inspections and suggest ways to bring down the cost and remove unnecessary/superfluous items.*

14. DPR Issues

- i. STA has not yet scrutinised the DPRs on OMMAS. State must pursue the issue and get the DPRs scrutiny done on OMMAS.
- ii. Proper Transect walk photographs, Transect walk summary/minutes and copy of Gramma Sabha approval have not been attached to the DPRs.
- iii. State has mentioned majority of roads as worn-out BT, but in some DPR photographs at 100 m intervals, the roads seems to have very less existing crust.
- iv. As per PMGSY-III guidelines, road safety audit should be done on all road with a length of 5 km & more. RSA reports are not found attached with the DPR.
- v. Height of retaining wall and breast walls is not taken properly rather slant height is taken for calculations.
- vi. In the DPR (NG0703) 22.785 km is proposed for 5.5 C/W and 13.450 km is proposed for 3.75m C/W. State needs to provide justification for same as well as for all other DPRs proposed with varying carriageway widths. *NRIDA should examine this issue in detail during field visit and bring out the specific reasons, why it is so. STA should also be consulted how they have scrutinized these roads*
- vii. *SOR of FDR needs to be put up for examination by NRIDA.*

15. Maintenance

The State has proposed a 5-year routine maintenance cost of Rs. 3,751.98 lakh which is 8.24% of construction cost and 6th year renewal cost of Rs7,587.1 lakh which is 16.66% of construction cost. State has been advised that 6th year's renewal cost should be accompanied by a post 5-year routine maintenance period and such cost should be a part of the DPRs.

16. R&D Proposals

- i. **The State has proposed construction of 100% length with FDR Technology.** Therefore, State should adopt the following steps to implement FDR technology.

- Finalization of Mix-Design by the contractor, PIU and SRRDA/PMU/PMC in consultation with expert institutions such as IITs.
 - Construction of Test Patch and its testing, and verification of the outcome of mix design on each and every road before taking up construction of the whole length.
 - State should engage a professional PMU/PMC for management, supervision and quality control of FDR works, as it would not be possible for the existing SRRDA setup to monitor it on day to day basis. State must also adopt UTTAM app created by UPSRRDA for monitoring of FDR works.
- ii. NRIDA should also send teams to the State for field inspection & DPR scrutiny.
 - iii. State was asked to adopt paneled cement concrete or cell filled concrete where ever road passes through habitation area with proper arrangement of drainage system.
 - iv. State has proposed Mechanized Surface Dressing in entire length i.e.511.41 km (100%) under T3 to T6category.
 - v. There are 04 roads constructed using FDR technology in Nagaland. State should ensure that performance evaluation of these roads is done from the reputed institute with prior approval of NRIDA.
 - vi. For FDR, State should ensure that there is no monopoly of any contractor or additive supplier. Chemical additive should be chosen according to soil type and site conditions. Proper transparent procurement and competition should be ensured.

17. Progress of PMGSY works

Annual physical target of the State is 262 Km, out of which, only 55 Km has been completed. State still needs to complete balance target. The State should expedite the pace of execution to achieve the target. The details of work sanctioned, completed, and pending under PMGSY-I& II are given below:

Roads

S.No	Scheme	Sanctioned		Completed		Balance		Unawarded	
		No. of roads	Length (Km)	No. of roads	Length (Km)	No. of Roads	Length (km)	No. of Road	Length (km)
1.	PMGSY I	343	4,154.450	321	4,069.130	22	85.680	0	0
2.	PMGSY II	13	227.600	2	88.700	11	138.900	0	0
	Total:	356	4,382.05	323	4,157.83	33	224.58	0	0

LSBs

Sl. No	Scheme	Sanction (Nos.)	Completed (Nos.)	Balance (Nos.)	Unaward (Nos.)
1	PMGSY I	48	41	7	0
2	PMGSY II	5	4	1	0
	Total:	53	45	8	0

State has informed that out of 22 balance roads under PMGSY-I, 6 roads having some issues will be taken up by the State separately and rest will be completed by March 2023. Under PMGSY-II, out of balance 11 roads, 08 will be completed by March 2023. 08 LSBs pending for completion under PMGSY-I&II will also be completed by March 2023.

18. Maintenance of roads under DLP

During 2021-22, against the liability of Rs. 1.24 crore, expenditure of Rs. 0.01 crore has been done. For the current financial year 2022-23, the maintenance liability is Rs. 2.04 crore and as on 17.01.2023, the expenditure is Rs. 0.67 crore. State has not credited any fund in SRRDA's account in FY 2022-23. The State was asked to expedite the expenditure on maintenance of roads under DLP and credit the required maintenance fund for roads under DLP.

19. eMARG

Out of total 31 packages pushed to e-MARG, 4 (13%) packages are pending for locking, 4 (13%) packages are pending for manual entry expenditure (MEE). 13 roads are eligible for routine inspection in December, 2022, 7 roads (54%) are pending for routine inspection (RI) missed. 20 packages are pending for payment for >3 months. 7 (35%) packages are pending for payment for first payment. An expenditure of Rs.0.67 core has been done using e-MARG on roads under DLP. Total expenditure of Rs. 0.15 crore has been done on bills having liability of FY 2022-23. The state was asked to saturate 100% roads on **eMARG before sanction of projects.**

20. Quality Issues

- i. Out of 40 packages in progress, QC labs for all packages have been established.
- ii. Number of active SQMs are 12 against requirement of 2 SQMs. During 2022-23, 169 SQM inspections are targeted and till date, 107 inspections have been conducted. There are 64 works which have not been inspected even once.
- iii. Action Taken Report (ATR) in respect of 06 completed works and 23 ongoing works are pending with State. The State was asked to expedite the same.
- iv. Unsatisfactory grading by NQM from January, 2020 to December, 2022 for completed works is 85.71%, for ongoing works it is 37.50% and for maintenance works it is 90.00% which is quite unsatisfactory. The State was advised to take immediate corrective action and show some improvement in the aforesaid indicators. **State was also asked to come up with complete action plan for quality improvement before EC.NRIDA should also detail more NQMs (i.e 100% inspections by NQMs) to the state.**
- v. It was observed during the meeting that SQMs empanelled by the State have graded very few works 'Unsatisfactory' out of the large number of projects inspected by them. The State was advised to scrutinize and find out whether the performance of such SQMs satisfactory.

State was advised to take immediate corrective action and show some improvement in the aforesaid issues.

21. Finance Issues

- i. Interest verification certificate has also not been submitted for FY 2004-05 to 20015-16 and 2020-21 to 2021-22.
- ii. Interest recovery of Rs. 0.13 crore is pending for recovery from bank.
- iii. Financial closure of 03 works is pending for more than 180 days as on 27.01.2023.

The State was asked to look into these financial issues and take appropriate action.

22. The State was asked to furnish the compliance report on the observations of the Pre-Empowered Committee urgently so that the proposal could be placed before the Empowered Committee at the earliest possible.

The meeting ended with vote of thanks to and from the Chair.