

15th TECHNICAL COMMITTEE MEETING

8th Technical Committee meeting for granting Technical Sanction to the projects for which Administrative Sanction has been granted and for the scrutiny and appraisal of the project reports prepared by the PMU.

Meeting No. 15

Date – 6th February 2021, 11.00am

Venue: Online (Google meet)

AGENDA

1. Granting Technical Sanction to the 15 projects for which Administrative Sanction has been granted
2. Scrutiny and Appraisal of Project Reports (6Nos) prepared by PMU and Consultants

PRESENT

S. No	Name	Designation and Office Address	Signature
1	Sri Johnson	Chief Engineer, LSGD	
2	Dr. B.G.Sreedevi	Former Director, NATPAC	
3	Dr. Nivin Philip	Professor, Saint Gits College of Engineering	
4	Dr Jaya V	Professor CET	
5	Dr Ashalatha R	Professor, CET	
6	Dr.M Nazeer	Professor, TKMCE Kollam	
7	Dr. Vishnu R	Assistant Professor, NIT, Waranagal	
8	Sri Vishnukumar G	Project Director, PMU RKI LSGD	
9	Sri Sajish R	Executive Engineer, PIU RKI LSGD	
10	Sri Shiju Chandran	Assistant Executive Engineer, PMU RKI LSGD	
11	Shainy N	Assistant Executive Engineer, PMU RKI LSGD	
12	Sathyanath B	Assistant Executive Engineer, PMU RKI LSGD	
13	Jiju V	Assistant Engineer, PMU RKI LSGD	

14	Binod S	Assistant Engineer, PMU RKI LSGD
15	Jithu Raj	Assistant Engineer, PMU RKI LSGD
16	Binil Gopinath	Assistant Engineer, PMU RKI LSGD
17	Sharavaneswar	Assistant Executive Engineer, PMU RKI LSGD
18	Rasheed	Assistant Engineer, PMU RKI LSGD

Sl.No.	Description	Action
1.1	The Chief Engineer, LSGD informed that the proposed meeting is scheduled for according the Technical Sanction of 15 DPRs submitted by PD,PMU for which Administrative Sanction has been accorded by the Government based on the designs approved by the Technical Committee and also for Scrutiny and approval of project reports (6 nos) prepared by PMU & Consultants.	-
1.2	PD, PMU informed that the Designs are approved by the 14 th Technical Committee, and relevant corrections suggested by the Technical Committee are incorporated in the DPRs.	
PROGRESS		
2.1	The Chief Engineer, LSGD informed that, PMU has submitted 15 DPRs for according Technical Sanction for which Technical Committee has had already approved the designs.	
DISCUSSIONS		
3.1	The Chief Engineer informed that the Rates of the items in each DPR based on the design approved by the Technical Committee has been scrutinized in the Office of Chief Engineer, LSGD.	
3.2	PD, PMU, Consultant and the Engineers of PMU RKI LSGD explained the Nature of work, components of work (for the approval of 6nos) included in the estimate. The details of the work proposed is listed in the table below.	
SI No	Name of Work	Features of Road
DPR Presentation by Consultants		
	Ambalappara – Kadaplackal	Length of Road (in kms) 0.693

Road

Reconstruction or Rehabilitation Suggested	Reconstruction
Nature of Pavement Suggested	Rigid
Additional Features or Structures provided	Retaining wall, DR wall
Total Cost (in lakhs)	117
Per km Cost of Pavement (in lakhs)	168.83

Surianelly Gundumala Road	Length of Road (in kms)	2.12
	Reconstruction or Rehabilitation Suggested	Rehabilitation
	Nature of Pavement Suggested	Flexible
	Additional Features or Structures provided	New construction of Box Culvert 1x2x1.5 @1+740 Reconstruction of Box culvert 1x2x1.5 @1+527
	Total Cost (in lakhs)	233.7
	Per km Cost of Pavement (in lakhs)	110.23

Technical committee insisted that subgrade should be mechanically stabilized with the existing granular material. For GSB grading III can be adopted.

Pallikudi City Mangalathu Palam Road	Length of Road (in kms)	0.854
	Reconstruction or Rehabilitation Suggested	Reconstruction
	Nature of Pavement Suggested	Flexible
	Additional Features or Structures provided	New construction of Box Culvert 1x2x1.5 @+060 1x2x1.5 @+219 <u>1x2x1.5@+495</u> <u>1x2x1.5@+637</u> 1x2x15@+720 DR R/wall
	Total Cost (in lakhs)	273

		Per km Cost of Pavement (in lakhs)	319
	Technical Committee opined that the comparison of Retaining wall using DR masonry and RCC is not mentioned in DPR. Comparison has to be done with the material availability and also according to cost, so this DPR will consider for next technical committee.		
		Length of Road (in kms)	0.671
		Reconstruction or Rehabilitation Suggested	Reconstruction
		Nature of Pavement Suggested	Flexible
	Kattekanam- Chelamoodu Road	Additional Features or Structures provided	New construction of Box Culvert 1x3x3@0+468 Reconstruction of Culvert 1x2x2@0+769
		Total Cost (in lakhs)	105
		Per km Cost of Pavement (in lakhs)	156
	Technical committee suggested to adopt an MSS wearing course in place of BC in order to match the pavement configuration of the remaining portion of the road.		
		Length of Road (in kms)	0.631
		Reconstruction or Rehabilitation Suggested	Reconstruction
		Nature of Pavement Suggested	Flexible
	Perikkankaval – Kollamkulambadi - Karikavala Road	Additional Features or Structures provided	Reconstruction of Culvert <u>1x2x1.5@0+090</u> 1x5x3@0+506 DR masonry R/wall
		Total Cost (in lakhs)	193
		Per km Cost of Pavement (in lakhs)	305
	In traffic survey traffic category obtained is T1 category, but recommended as T4 category. Based on this traffic category, flexible pavement adopted in DPR. Technical committee suggested that for low volume traffic road and the road which have no connectivity to any State Highway roads panel concrete can be adopted. So, redesign the pavement configuration and will consider this DPR in next technical committee.		
	Kurushupallipadi	Length of Road (in kms)	3.297

Thannikandam
Kumbiluvilipadi

Reconstruction or Rehabilitation Suggested	Reconstruction
Nature of Pavement Suggested	Flexible
Additional Features or Structures provided	New construction of Box Culvert <u>1x2x1.5@1+040</u>
	<u>1x2x1.5@1+150</u>
	<u>1x2x1.5@1+537</u>
	<u>1x2x1.5@1+840</u>
	<u>1x2x1.5@2+267</u>
	<u>1x2x1.5@3+044</u> R/wall @1+845 to 1+900
Total Cost (in lakhs)	381
Per km Cost of Pavement (in lakhs)	116

DECISIONS

4.1	PMU and consultant should design the road based on the importance of connectivity and as per drainage conditions. Roads where drainage conditions have to be improved and traffic volume, connectivity to main road can be justifiable adopt flexible pavement. Otherwise go for rigid pavement.	PD, PMU
4.2	Technical Committee granted approval for the Works listed above subject to the conditions mentioned below each set of works	PD, PMU
4.3	Technical Committee accorded Technical Sanction for the the 15 DPRs (Annexure 1) submitted by PD, PMU subject to the conditions attached along with these minutes	PD, PMU
NEXT MEETING		
Next Technical Committee meeting will be informed well in advance		

1. D. Nivind Philip

2. Dr. Vishnu R

Gayal
Dr. Jayal

Dr. Ashok R

Johnson K
Chief Engineer
PEN 538757
CHIEF ENGINEER
OFFICE OF THE CHIEF ENGINEER
SGD (LD&EW)
THIRUVANANTHAPURAM
Dr. B.G. Sreedhar

S. No	Name of Work	Length of Road (in kms)	Reconstruction or Rehabilitation Suggested	Nature of Pavement Suggested	Additional Features or Structures provided	Total Cost (in lakhs)	Per km Cost of Pavement (in lakhs)
1	Karlad - Marjoora Road, wayanad	1.955	Reconstruction/ Rehabilitation	Flexible	New / Reconstruction of culverts, DR	189	96.68
2	Erumatherivu Choottakadavu Road, Wayanad	1.721	Reconstruction/ Rehabilitation	DBM & BC	New culvert	246	142.94
3	Cheriyamkolli - Kalluvettumthazhe Road wayanad	1.766	Reconstruction/ Rehabilitation	BC	Reconstruction of Box culvert (1no)	144	81.54
4	Kuppadihara - Millumukku Kurumani Road	1.365	Reconstruction	BC	DR, Reconstruction of 2 Culverts	145	106
5	Chudel-Chudel Estate-Pappala Anoth Road	4.69	Reconstruction/ Rehabilitation	BC	New / Reconstruction of culverts 4 culverts	566.10	120.7
6	Kottathara Kakkanchal Thekkumthara Road	1.72	Reconstruction	Rigid (PQC M30)	Box Culvert, Reconstruction of Slab Culvert, DR r/wall	274	159.3
7	Varayal - Melevarayal Road	1.45	Reconstruction/ Rehabilitation	BC	Reconstruction of Box Culverts	134	92
8	Ediyamvayal Pinangodu Road	2.28	Reconstruction/ Rehabilitation	BC	Reconstruction of 4 Culverts	222	97.37
9	Varayad - Thekkumpadi Road	1.17	Reconstruction	Rigid (PQC M30)	Box Culvert, Reconstruction	187	159.82

10	MH Nagar - Cholapuram Road	2.55	Reconstruction/ Rehabilitation	BC	New (1 No)/ Reconstruction of 5 culverts, DR	240	94.0
11	Adoor Gopalakrishnan Road	1.86	Rehabilitation	DBM & BC	Irish drain, CC drain, R/wall	240	129
12	Thannithodu Plantation Thekkumthodu Road	4.305	Reconstruction/ Rehabilitation	DBM&BC	Retaining wall	505	117.30
13	CK Road	2	Reconstruction	DBM & BC	Irish drain, CC drain, Box culvert	225	112.5
14	Paivazhi Nedyyakala Road	2.67	Rehabilitation	DBM & BC	New / Reconstruction of culverts, DR, Drain	346	129.59
15	Chakrashalakadavu Panadimotil Road	2.475	Rehabilitation	Rigid (PQC M30)	New construction of culvert, Drain, Irish drain, R/wall	255	103.0

ANNEXURE 2

The Technical Sanction for the estimate is hereby accorded as per the decision (Minutes of Meeting) of the 15th Technical Committee subject to the put forth by the Technical Committee in the previous meetings and as per the conditions listed below:

- a. All the instructions put forth by the Technical Committee should be adhered to
- b. All required statutory approval should be obtained from competent authority. NOC from concerned authorities in connection with utility shifting may be obtained.
- c. Consent from the land owners shall be obtained where the widening of the road, construction of retaining wall, if any, is proposed through private property.
- d. Necessary quality check and lab tests should be ensured and conducted as per MoRD / MORTH Specifications and relevant IS / IRC codes .Supervising officers should ensure that the work is carried out as per MoRD / MORTH Specifications and relevant IS / IRC codes (including density of all the layers after compaction, their thickness, Gradation, bitumen content, spreading and compaction temperatures, and density after compaction and other relevant tests)
- e. Initial and final Levels for earthwork, GSB, WMM, BM and BC etc should be reported to CTE. All the Circulars / instructions issued by the CTE should be adhered to and followed
- f. Excavated earth should be accounted for before disposal.
- g. Materials obtained from demolition of existing structures should be accounted.
- h. The gradient provided for the road shall be as per IRC Specification or the relevant codes
- i. Adequate number of Weep Holes should be provided in the Retaining Wall. It shall also be ensured that the base width of the retaining wall is provided as per provisions prevailing in the relevant IS codes
- j. In the case of Culverts and Minor Bridges, the Safe bearing Capacity of the soil should be ensured prior construction of these.
- k. Safety measures wherever required should be done at site.
- l. If any changes have to be made in the sanctioned estimate during execution, the same shall be intimated to this office and If any extra item of work is proposed for execution during while the work is in progress, prior approval should be obtained from Technical sanctioning Authority/Technical Committee or otherwise cannot be approved.
- m. Different principal stages such as tendering, awarding of work (road work and foundation work etc), completion etc. should be reported to this office / PMU before effecting the final payment.
- n. Every Completed work should be test checked by the Project Director/Executive Engineer before effecting payment.
- o. Pre-Qualification method of tendering should be followed as per existing norms.