11th TECHNICAL COMMITTEE MEETING

11th Technical Committee meeting for Scrutiny and approval of project reports prepared by PMU

Meeting No. 10

Date - 12^h August, 2020; 2.00 pm

Venue: Online Platform (Google Meet)

AGENDA

Scrutiny and approval of project reports prepared by PMU

PRESENT

		PRESENT Designation and Office Address
S.No	Name /	Designation and Office
1	Sri Rajan M V	Chief Engineer, LSGD
2	Dr. B.G.Sreedevi	Former Director, NATPAC
3	Dr. Nivin Philip	Professor, Saint Gits College of Engineering
4	Dr Neethu Roy	Professor, Mar Baselios College of Engineering and Technology
5	Dr Jaya V	Professor CET
6	Dr Ashalatha R	Professor, CET
7	Dr.M Nazeer	Professor, TKMCE Kollam
8	Dr. Vishnu R	Assistant Professor, NIT, Waranagal
9	Sri Vishnukumar G	Project Director, PMU RKI LSGD
10	Sri Sajish R	Executive Engineer, PIU RKI LSGD
11	Sri Shiju Chandran	Assistant Executive Engineer, PMU RKI LSGD
12	Shainy N	Assistant Executive Engineer, PMU RKI LSGD
13	Sathyanath B	Assistant Executive Engineer, PMU RKI LSGD
14	Jiju V	Assistant Engineer, PMU RKI LSGD
15	Binod S	Assistant Engineer, PMU RKI LSGD
16	Anil D J	Assistant Engineer, PMU RKI LSGD

17	Riphin K John	Assistant Engineer, PMU RKI LS	SGD		
18	Binil Gopinath	Assistant Engineer, PMU RKI LS	Assistant Engineer, PMU RKI LSGD		
19	Hascena	Assistant Engineer, PMU RKI LS	Assistant Engineer, PMU RKI LSGD		
20	Sajna Sayed	Assistant Engineer, PMU RKI LS	Assistant Engineer, PMU RKI LSGD		
21	Praveen C G	Assistant Engineer, PMU RKI LS	GD		
22	Remjish	Assistant Engineer, PMU RKI LS	GD		
23	Vinod M K	Assistant Executive Engineer, PM	U RKI LSG	D	
24	Rehana A C	Assistant Engineer, PMU RKI LS	GD		
Sl.No		Description		Action	
1.1		The Chief Engineer, LSGD informed that the proposed meeting is for Scrutiny and approval of project reports (20 nos) prepared by PMU			
		DISCUSSIONS			
	PD, PMU and the Engineers of PMU RKI LSGD explained the Nature of				
2.1	work, components of work inc	cluded in the estimate. The details of	1	-	
	proposed is listed in the table below Name of Work Features of Road				
S.No	Name of Work	Length of Road (in kms)		. 0	
		Reconstruction or Rehabilitation Suggested -		struction	
		Nature of Pavement Suggested	MSS		
1	AC Canal to Mankuzhy Road	Additional Features or Structures provided	Coir G	eotextile	
1			115.00		
1		Total Cost (in lakhs)	11	2.00	
1		Total Cost (in lakhs) Per km Cost of Pavement (in lakhs)		3.75	
1	Technical Committee opined to paddy field or any other measures	Per km Cost of Pavement (in lakhs) check and ensure the longitudinal selections of the selection of the longitudinal selections.	14		
	Technical Committee opined to paddy field or any other measures	Per km Cost of Pavement (in lakhs) check and ensure the longitudinal s	lope to the	3.75	

		Nature of Pavement Suggested	Rigid (F	PQC M40)
		Additional Features or Structures provided	I	OR
		Total Cost (in lakhs)	10	0.00
		Per km Cost of Pavement (in lakhs)	38	7.60
	Technical Committee opined		procedure	
	actablished in the current and und	lated IRC should be adhered to.		
	Technical Committee instructed possibility of Cement stabilization	to check the road stabilization and on may also be explored during execute the type of stabilization fixed sho	ould not be	PMU
	based purely on CBR data but sl future. Hence, the soil stabilization	hould also be based on type of soil in methods adopted should be suppler	nented with	
	Proofs.	Length of Road (in kms)	1	.095
		Reconstruction or Rehabilitation Suggested	Rehabilitation	
	Panjamkavala road ward-18	Nature of Pavement Suggested	White topping (PQC N 40)	
		Additional Features or Structures provided	DR	
3		Total Cost (in lakhs)	134.00	
		Per km Cost of Pavement (in lakhs)	122.37	
		at possibility of using ICBP show	ıld also be	PMU
	checked	Length of Road (in kms)	1	.175
		Reconstruction or Rehabilitation Suggested	Reconstruc	tion/Rehabilitat ion
		Nature of Pavement Suggested	_	nnelled (PQC M30)
4	Harbour Road to Maaladi Jetty Road	Additional Features or Structures provided	Coir	Geotextile
A.		Total Cost (in lakhs)	1	24.00
		Per km Cost of Pavement (in lakhs)	1	105.53

200		Length of Rond (in kma)	estine algerismo, compres montene entrice	A COLUMN TO THE PARTY OF THE PA
-		Reconstruction or Rehabilitation		1.288
Constitution of the Consti		Suggested		inbilitation
	Acceptance	Nature of Pavement Suggested	White to	opping (PQC M 40)
5	Maravayal Chathothu road	Additional Features or Structures provided	agida (a consistence and a consistence of	NII
200-il. disapaien	Anglian microwoday (pr	Total Cost (in lakhs)		60.00
The second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a section in the second section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section in the section is a section in the section in the section in the section is a section in the section in the section in the section in the section is a section in the section in		Per km Cost of Pavement (in lakhs)		24.22
and Zure		Length of Road (in kms)		0.995
and the analysis of the control of t		Reconstruction or Rehabilitation Suggested	Reha	bilitation
Cheston (g) of the		Nature of Pavement Suggested	White topping (PQC M	
6	Kothadu School Road	Additional Features or Structures provided		Nil
and the second second	• BT Cyanity - cyane	Total Cost (in lakhs)	8	6.00
energy (Carlotte) (Car	* A Company of the Co	Per km Cost of Pavement (in lakhs)	8	6.43
		Length of Road (in kms)	4	.988
		Reconstruction or Rehabilitation Suggested		pilitation
		Nature of Pavement Suggested	ВС	
7	Kuranchery - Nayarangadi road- Kallampara colony -	Additional Features or Structures provided	DR	
		Total Cost (in lakhs)	12	50.00
		Per km Cost of Pavement (in lakhs)		0.60
	Technical committee instructed to clogging of drains and also ensuring	provide cover slabs for drains for g safety	preventing	PMU
		Length of Road (in kms)	0.4	4765
		Reconstruction or Rehabilitation	1	
0 1	amankary LPS Vaikkathussery	Suggosted	Reconstruction	
bi	ridge road	Nature of Pavement Suggested	Panelled concrete (PQCM30)	
1		Additional Features or Structures	DR	

		Per km Cost of Pavement (in		156.63
	Technical Committee opined th	lakhs) nat Bio fencing planting and mainten	ance strategy	PMU
	should be formulated.			
. 1		Length of Road (in kms)		0.828
		Reconstruction or Rehabilitation Suggested	Reco	nstruction
		Nature of Pavement Suggested	Rigid (PQC M40)
9	Chakram colony road	Additional Features or Structures provided		Nil
		Total Cost (in lakhs)	9	3.00
	-	Per km Cost of Pavement (in lakhs)	1	12.32
		Length of Road (in kms)	1	.305
		Reconstruction or Rehabilitation Suggested	Reha	bilitation
		Nature of Pavement Suggested		ВС
10	Paris Road	Additional Features or Structures provided		Nil
		Total Cost (in lakhs)	17	70.00
		Per km Cost of Pavement (in lakhs)	13	0.27
	Technical Committee opined the pavement surfacing for 5mtrs wid	at the paved shoulders may be re th may be ensured	placed and	PMU
	paromone sarrang	Length of Road (in kms)	0	.84
		Reconstruction or Rehabilitation Suggested	Rehab	pilitation
		Nature of Pavement Suggested		oing (PQC M
1	Puthiyakavu - Pozhankavu road	Additional Features or Structures provided		Nil
		Total Cost (in lakhs)	75	5.00
		Per km Cost of Pavement (in lakhs)	89.29	
	Thickness of Culvert Slab should	be made to 18cm or else proper desi	ign may be	PMU

(10)

		Reconstruction or Rehabilitation Suggested	Reconstruction/Rehabilitat
		Nature of Pavement Suggested	Rigid/White topping (PQC M 40)
		Additional Features or Structures provided	Nil
		Total Cost (in lakhs)	114.00
		Per km Cost of Pavement (in lakhs)	86.69
		Length of Road (in kms)	1.2
		Reconstruction or Rehabilitation Suggested	Rehabilitation
		Nature of Pavement Suggested	White topping (PQC M 30)
6	Chillukarankunnu road	Additional Features or Structures provided	Nil
		Total Cost (in lakhs)	96.00
		Per km Cost of Pavement (in lakhs)	80.00
	1	Length of Road (in kms)	1.095
		Reconstruction or Rehabilitation Suggested	Rehabilitation
		Nature of Pavement Suggested	White Topping (PQC M30)
7	Cheepunkal - Malikayal Chira Road	Additional Features or Structures provided	DR
		Total Cost (in lakhs)	148.00
		Per km Cost of Pavement (in lakhs)	135.16
		Length of Road (in kms)	0.332
		Reconstruction or Rehabilitation Suggested	Rehabilitation
	LPS Mukkam Kollori Road	Nature of Pavement Suggested	Rigid (PQC M30)
		Additional Features or Structures provided	Coir Geotextile
		Total Cost (in lakhs)	52.00
	LPS Mukkam Kollori Road	Additional Features or Structures provided	Coir Geotexti

				The state of the s
		Total Cost (in laklıs)		60.00
		Per km Cost of Pavement (in lakhs)	1	25.92
		Length of Road (in kms)		2.71
		Reconstruction or Rehabilitation Suggested	Rehabi	litation/New
		Nature of Payement Suggested		ВС
9	Chirakkarapadi Chetalapuncha, Pmattipuncha, Pazhamchira Road	Additional Features or Structures provided		DR
		Total Cost (in lakhs)	34	48.00
		Per km Cost of Pavement (in lakhs)	12	28.41
		DECISIONS		
	L	ned that the mix for BC layer of th	e pavement	
	> Technical Committee ascertain	d Binder Samples should be collected	ed and kept	PMU
3.1	should be Design Mix. Mix and	Fier-II of the Quality Control mechan	nism	
	in the selected Colleges as per	unction marking should be provided		
	Technical Committee opined that s	provided in both the directions, I	Regulatory,	PMU
3.2	Also Signal boards should be provided in both the directions, Regulatory, Warning, and Guide signs should be provided in the estimate and site			1,110
	> Traffic markings should be as p			
		that where Pedestrian facility is no	t provided	
3.3	in the site, design speed should	be restricted to 30 km/hr and war	ning signs	PMU
	should be installed at site			
	Technical Committee granted appro	oval for the Works listed above sub	ject to the	PMU
3.4	conditions mentioned below each set	of works		I WIC
	Technical Committee opined that I	new technologies like use of ceme	ent treated	
3.5	bases, emulsified base materials, f	ly ash with lime combination sta	bilization,	PMU
3.3	provision for crack relief layer may	also be considered while prepari	ng project	11110
	reports in future and it's performance	should be monitored		
	NEX	r meeting		
4.1	Next Technical Committee meetin	g will be informed well in advan	ce.	
			1	

DR. MYIN THILIP

L. Vishur. Pm

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Dr B.G. Srudu

Chief Engineer

Dr. Jayal Alel Askelet

Klithury Neithu Roy

11th TECHNICAL COMMITTEE MEETING

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Meeting No. 10

Date - 11h August, 2020; 2.00 pm

Venue: Online Platform (Google Meet)

AGENDA

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5	Dr Jaya V	Professor CET
6	Dr Ashalatha R	Professor, CET
7	Dr.M Nazcer	Professor, TKMCE Kollam
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16	Anil D J	Assistant Engineer, PMU RKI LSGD

2 de La Companya de L	Riphin K John	Assistant Engineer, PMU RKI LS	GD	
18	Binil Gopinath	Assistant Engineer, PMU RKI LSGD		
19	Haseena	Assistant Engineer, PMU RKI LS	GD	
20	Sajna Sayed	Assistant Engineer, PMU RKI LS	GD	
21	Praveen C G	Assistant Engineer, PMU RKI LS	GD	
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23	Vinod M K	Assistant Executive Engineer, PM	U RKI LSGD	
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Sl.No.		Description	Action	
1.1	1	informed that the proposed meet reports (20 nos) prepared by PMU	ing is for	
		ISCUSSIONS		
	PD, PMU and the Engineers o	f PMU RKI LSGD explained the	Nature of	
2.1	work, components of work incl	uded in the estimate. The details o		
(2.21)	proposed is listed in the table be	Features of 1	Road	
S.No	Name of Work	Length of Road (in kms)	1.62	
		Reconstruction or Rehabilitation Suggested	Reconstruction	
		Nature of Pavement Suggested	BC	
1	Kanjikkal mukku ganam theatre road	Additional Features or Structures provided	DR Side Protection	
		Total Cost (in lakhs)	214.00	
		Per km Cost of Pavement (in lakhs)	132,10	
and the second second second second		Length of Road (in kms)	0.85	
2	Madathilkadavu Mahilasamajam Kandathilpalli Road	Reconstruction or Rehabilitation Suggested	Reconstruction	
		Nature of Pavement Suggested	Panelled concrete (PQCM30)	

	1		Τ		
		Additional Features or Structures	Coir C	Geotextile _	
		provided	1.0	5.00	
		Total Cost (in lakhs)	()		
		Per km Cost of Payement (in	17	0.59	
	Technical Committee raised concern about the Brosion Control and asked to check				
	1		Cu to	PMU	
-	the Shear resistance before finaliz		1	145	
		Length of Road (in kms) Reconstruction or Rehabilitation Suggested		struction	
		Nature of Pavement Suggested	Rigid (F	PQC M40)	
	Manathukadu Puthuveedu Road & Protection	Additional Features or Structures provided	Coir G	cotextile	
		Total Cost (in lakhs)	20	0.00	
3		Per km Cost of Pavement (in lakhs)	17	4.67	
	structures is provided since the either side is paddy field. Technical Committee opined to provide GSB for full width for effectively functioning as a drainage layer. Further Technical Committee opined to check if any other additional material than Bamboo could also be used for Bio fencing				
	works				
		Length of Road (in kms)	0	.88	
		Reconstruction or Rehabilitation Suggested	Reconstruction		
		Nature of Pavement Suggested	l .	d concrete CM30)	
	Olassa - Cherthalli Road	Additional Features or Structures provided		DR	
4		Total Cost (in lakhs)	12	21.00	
		Per km Cost of Pavement (in lakhs)		37.50	
		o check the method of soil stabiliz			
	finalizing the estimate and also the	e aggregates size should be designed	l and used if	PMU	
	stabilization using aggregates is considered				
	Stabilization using abbrebares in	Length of Road (in kms)			

		Reconstruction or Rehabilitation	T
		Suggested	Reconstruction/Rehabilitat
		Nature of Pavement Suggested	Rigid/White topping (PQC M 40)
		Additional Features or Structures provided	Nil
		Total Cost (in lakhs)	114.00
		Per km Cost of Pavement (in lakhs)	86.69
	-	Length of Road (in kms)	1.2
		Reconstruction or Rehabilitation Suggested	Rehabilitation
		Nature of Pavement Suggested	White topping (PQC M 30)
6	Chillukarankunnu road	Additional Features or Structures provided	Nil
		Total Cost (in lakhs)	96.00
		Per km Cost of Pavement (in lakhs)	80.00
	1	Length of Road (in kms)	1.095
		Reconstruction or Rehabilitation Suggested	Rehabilitation
		Nature of Pavement Suggested	White Topping (PQC M30)
7	Cheepunkal - Malikayal Chira Road	Additional Féatures or Structures provided	DR
		Total Cost (in lakhs)	148.00
		Per km Cost of Pavement (in lakhs)	135.16
		Length of Road (in kms)	0.332
		Reconstruction or Rehabilitation Suggested	Rehabilitation
8	LPS Mukkam Kollori Road	Nature of Pavement Suggested	Rigid (PQC M30)
	LPS Mukkam Konon Road	Additional Features or Structures provided	Coir Geotextile
		Total Cost (in lakhs)	52.00

Iress

		Per km Cost of Pavement (in	1:	56.63
		lakhs)	ance strategy	
		at Bio fencing planting and mainten	ance since by	PML
	should be formulated.		1 0	.828
		Length of Road (in kms)	0	.020
		Reconstruction or Rehabilitation Suggested	Recon	struction
		Nature of Pavement Suggested	Rigid (F	QC M40)
9	Chakram colony road	Additional Features or Structures provided	1	Vil
		Total Cost (in lakhs)	93	.00
	-	Per km Cost of Pavement (in lakhs)	112	2.32
		Length of Road (in kms)	1.3	305
		Reconstruction or Rehabilitation Suggested	Rehabi	litation
	Paris Road	Nature of Pavement Suggested	ВС	
10		Additional Features or Structures provided	N	il
		Total Cost (in lakhs)	170	.00
		Per km Cost of Pavement (in lakhs)	130	.27
		nat the paved shoulders may be re	placed and	PMU
	pavement surfacing for 5mtrs wid			
		Length of Road (in kms)	0.8	34
		Reconstruction or Rehabilitation Suggested	Rehabi	litation
		Nature of Pavement Suggested	White toppi 4(-
11	Puthiyakavu - Pozhankavu road	Additional Features or Structures provided	N	il
		Total Cost (in lakhs)	75.	00
		Per km Cost of Pavement (in lakhs)	89.	29
		be made to 18cm or else proper des		

	submitted			T
12	Karoorchira - Anjalangadi road	Length of Road (in kms)		1.65
		Reconstruction or Rehabilitation Suggested	Reha	bilitation
		Nature of Pavement Suggested	ВС	
		Additional Features or Structures provided	DR	
		Total Cost (in lakhs)	195.00	
	-	Per km Cost of Pavement (in lakhs)	118.18	
	Technical Committee opined that since widening is considered and existing culvert also has to be widened. In doing so, the PMU should ensure the stability of the existing culvert as well the abutment area over which widening is proposed as there is a chance that the area where abutment is resting may become weak.			PMU
	DECISIONS			
3.1	> Technical Committee ascertained that the mix for BC layer of the pavement should be Design Mix. Mix and Binder Samples should be collected and kept in the selected Colleges as per Tier-II of the Quality Control mechanism			PMU
3.2	 Technical Committee opined that Junction marking should be provided Also Signal boards should be provided in both the directions, Regulatory, Warning, and Guide signs should be provided in the estimate and site Traffic markings should be as per latest IRC 35, 67 			PMU
3.3	Technical Committee informed that where Pedestrian facility is not provided in the site, design speed should be restricted to 30 km/hr and warning signs should be installed at site			PMU
3.4	Technical Committee granted approval for the Works listed above subject to the conditions mentioned below each set of works			PMU
	NEXT MEETING			
4.1	Next Technical Committee meeting will be informed well in advance.			

A.B.G. Sreeden Chief Engineer

2. Dr. Vishur. R. Vish P. Jaya Vish Dr. Jaya Vish Dr. Jaya V Mell Propolate P