

26th TECHNICAL COMMITTEE MEETING FOR EVALUATION OF PMURKILSGD

Technical Committee Meeting for scrutiny of 25 new DPRs, 7 revised DPRs and 4 revised estimates (Contd from 25th Technical Committee)

Meeting No: 26

Date: 22.10.2021, 11.00am to 5.00pm

Venue: Online (google meet)

AGENDA

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| I | Scrutiny of 25 nos of new DPRs prepared by PMU |
| II | Scrutiny of 7 nos of revised DPRs prepared by Consultants |
| III | Scrutiny of 4 nos revised estimates submitted by PMU |

PRESENT

Sl No	Name	Designation and Office address
1	Johnson K	Chief Engineer, LSGD
2	Dr. B.G. Sreedevi	Former Director, NATPAC
3	Dr. Jaya V	Professor, College of Engineering, Trivandrum
4	Dr. Ashalatha R	Professor, College of Engineering, Trivandrum
5	Dr. Vishnu R	Assistant Professor, NIT, Warangal
6	Dr. Nivin Philip	Professor, Saint Gits College of Engineering
7	Dr. Neethu Roy	Professor, Mar Baselios College of Engineering and Technology
8	Sreela S	Superintending Engineer (Rtd), LSGD
9	Sri. Vishnukumar G	Project Director, PMU
10	Prasad P	Executive Engineer, PIU, Kottayam
11	Sri. Shainy N	Assistant Executive Engineer
12	Sathyanath B	Assistant Executive Engineer
13	Shiju Chandran R	Assistant Executive Engineer
14	Saravaneshvar	Assistant Executive Engineer
15	Benzilal S D	Assistant Executive Engineer
16	Binod J	Assistant Engineer
17	Remjish R S	Assistant Engineer
18	Haseena A	Assistant Engineer
19	Jithu Raj R	Assistant Engineer
20	Krishnakumar P	Assistant Engineer
21	Rasheed	Assistant Engineer
22	Riphin K John	Assistant Engineer

The Chief Engineer, LID&EW started the meeting at 11.00 am

The Project Director, Project management Unit described about the projects being presented before the Technical Committee. The projects consists of 25 nos of DPRs newly prepared by PMU, 7 nos of revised DPRs prepared by Consultants and 4 numbers of revised estimates. The engineers from PMU started the presentation of DPRs prepared by PMU. The details of the projects and discussions are listed below.

I New DPRs prepared by PMU (11/25 nos)

1	Reconstruction of Eranjoli Pilikkal Road in Kaniyambatta GP in Wayanad District
	Length of Road 2269 m
	Reconstruction/Rehabilitation suggested Reconstruction/New
	Nature of Pavement Flexible

	Pavement Configuration	300 mm Mechanically Stabilised Subgrade+ 100 mm GSB + 75mm WMM +40mm BC
	Details of RWs	2145m
	Details of Culverts	Pipe Culvert (Ch 0+240, 1+410), Box Culvert (Ch 0+310,
	Details of Drains	Nil
	Total Cost	338 lakhs
	Per km cost	149 lakhs/km
	Comments from Technical Committee	PMU Engineers expressed their difficulties in implementation of cement stabilisation considering the moisture bound nature of Wayanad and they have requested for mechanical stabilisation. The same has been
II	Scrutiny of 7 nos of revised DPRs prepared by Consultants	
1	V1-W10 Valliurkkavu Varadimoola road in Mananthavadi GP, Wayanad District (Presented for the second time incorporating changes suggested by earlier TC, like the cross section in presentation does not match that in DPR.)	
	Length of Road	1530 m
	Reconstruction/Rehabilitation suggested	Rehabilitation
	Nature of Pavement	Flexible/Rigid (Short Panel)
	Pavement Configuration	Ch 0+000 to Ch 0+780 (100 mm GSB+75mm WMM+40mm BC); Ch 0+780 to Ch 1+260 (100mm WMM+40mm BC); Ch 1+260 to Ch 1+440 (75mm GSB+75mm WMM+40mm BC); Ch 1+440 to Ch 1+530 (100mm PQC M30 short panel)
	Details of RWs	135 m
	Details of Culverts	Box Culvert Ch 1+350
	Details of Drains	Nil
	Total Cost	129 lakhs
	Per km cost	84 lakhs/km
	Comments from Technical Committee	DPR approved.
2	V1-W 14 Vilanilam Pilakavu Road in Mananthavadi GP in Wayanad District	
	Length of Road	2450 m
	Reconstruction/Rehabilitation suggested	Rehabilitation/New
	Nature of Pavement	Flexible

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	Pavement Configuration	Ch 0+000 to Ch 0+480 (75mm WMM+50 mm DBM+30mm BC); Ch 0+480 to Ch 1+245 (100mm WMM+50mm DBM+30mm BC); Ch 1+245 to Ch 1+740 (300mm Subgrade+150mm GSB+75mm WMM+50mm DBM+30mm BC); Ch 1+740 to Ch 1+875 (75mm WMM+50 mm DBM+30mm BC); Ch 1+875 to Ch 2+450 (300mm Subgrade+150mm GSB+75mm WMM+50mm DBM+30mm
	Details of RWs	912 m
	Details of Culverts	Box Culverts Ch 0+680, 1+206, 1+507, 2+236
	Details of Drains	Nil
	Total Cost	398 lakhs
	Per km cost	162 lakhs
	Comments from Technical Committee	DPR approved.
3	V1-I-27 Perikkankaval - Kollamkulambadi - Karikavala road in Vathikudi GP, Idukki	
	Length of Road	631 m
	Reconstruction/Rehabilitation suggested	Reconstruction
	Nature of Pavement	Flexible
	Pavement Configuration	300mm Cement Treated Subgrade+100mm GSB+75mm
	Details of RWs	250 m
	Details of Culverts	Box culvert Ch 0+090, Ch 0+506
	Details of Drains	Nil
	Total Cost	200 lakhs
	Per km cost	317 lakhs/km
	Comments from Technical Committee	DPR approved.
4	V1-I-21 Puthed Anoor Thodu road in Arakulam GP in Idukki District	
	Length of Road	4175 m
	Reconstruction/Rehabilitation suggested	Rehabilitation/New Construction
	Nature of Pavement Suggested	Flexible/Rigid Pavement (short panel concrete)
	Pavement Configuration	Ch 0+000 to Ch 0+615 (100mm PQC M30); Ch 0+615 to Ch 0+675 (300mm stabilised subgrade+150mm CTSB using crushed aggregate+100mm PQC); Ch 0+675 to Ch 0+870 (100mm PQC M30); Ch 0+870 to Ch 3+210 (300mm stabilised subgrade+150mm CTSB using crushed aggregate+100mm PQC); Ch 3+210 to Ch 4+260 (100mm GSB+75mm WMM+20mm MSS.
	Details of RWs	80m

	Details of Culverts	Box culvert Ch 0+335, Ch 0+635, 0+864, 1+003, 2+638,
	Details of Drains	Nil
	Total Cost	400 lakhs
	Per km cost	96 lakhs/km
	Comments from Technical Committee	DPR approved.
5	V1-I-17 Pallikudi City Mangathu palam road in Vathikudi GP in Idukki District	
	Length of Road	854 m
	Reconstruction/Rehabilitation suggested	Reconstruction
	Nature of Pavement	Flexible
	Pavement Configuration	300mm Cement Stabilised Subgrade+100mm GSB+75mm
	Details of RWs	335 m
	Details of Culverts	Box Culvert Ch 0+060, Ch 0+219, Ch 0+495, 0+637,
	Details of Drains	Nil
	Total Cost	320 lakhs
	Per km cost	375 lakhs/km
	Comments from Technical Committee	DPR approved.
6	V1-I-05 Padicup Plakkayam Kuttamudi tribal colony road in Adimaly GP Idukki	
	Length of Road	4331 m
	Reconstruction/Rehabilitation suggested	Rehabilitation/New Construction
	Nature of Pavement	Rigid Pavement
	Pavement Configuration	Ch 0+000 to Ch 0+090 (150mm PQc M30); Ch 0+090 to Ch 1+140 (300mm cement stabilised subgrade+150mm CTSB using crushed aggregate+150mm PQC M30); Ch 1+140 to Ch 1+275 (150mm PQc M30); Ch 1+275 to Ch 1+410 (300mm cement stabilised subgrade+150mm CTSB using crushed aggregate+150mm PQC M30); Ch 1+410 to Ch 1+635 (150mm PQC M30); Ch 1+635 to Ch 4+331 (300mm cement stabilised subgrade+150mm CTSB using crushed aggregate+150mm PQC M30)
	Details of RWs	80 m
	Details of Culverts	Box Culvert Ch 0+175, 0+950, 1+440, 1+570, 1+902, 2+484, 2+645, 3+156
	Details of Drains	20 m
	Total Cost	550 lakhs
	Per km cost	127 lakhs/km
	Comments from Technical Committee	DPR approved.
7	V1-I-03 Kallarkutti Naikunnam Road in Vellathooval GP, Idukki District	

	Length of Road	637 m
	Reconstruction/Rehabilitation suggested	Reconstruction
	Nature of Pavement	Rigid Pavement (short panel concrete)
	Pavement Configuration	300 mm Stabilised subgrade+150mm CTSB using crushed aggregate+100mm PQC M30)
	Details of RWs	Nil
	Details of Culverts	Nil
	Details of Drains	Nil
	Total Cost	85 lakhs
	Per km cost	133 lakhs/km
	Comments from Technical Committee	DPR approved.
I	New DPRs prepared by PMU (11/25 nos)	
1	Changadakadavu Chamadipoyil Road in Edavaka GP, Mananthavadi LAC,	
	Length of Road	1757 m
	Reconstruction/Rehabilitation suggested	New Construction/Rehabilitation
	Nature of Pavement	Rigid Pavement
	Pavement Configuration	300 mm Compacted Subgrade+100mm GSB +75mm WMM+PQC M30 150mm
	Details of RWs	80m DR RW and 100m Soil Reinforced Wall
	Details of Culverts	Box Culvert Ch 1+400
	Details of Drains	Nil
	Total Cost	304 lakhs
	Per km cost	173 lakhs/km
	Comments from Technical Committee	Guard post shall be painted to ensure proper visibility. Painting already included in data. DPR approved
2	Kuruppuswamy Kovil- Mamachanpady Road in Upputhura GP, Idukki District	
	Length of Road	622 m
	Reconstruction/Rehabilitation suggested	Reconstruction
	Nature of Pavement	Rigid (Short Panel)
	Pavement Configuration	300mm cement stabilised Subgrade+150mm CTSB using crushed aggregate+100mm GSB
	Details of RWs	341m
	Details of Culverts	Nil
	Details of Drains	Nil
	Total Cost	129 lakhs
	Per km cost	207 lakhs/km
	Comments from Technical Committee	TC suggested review the inclusion of this road in the PMU RKI proposal as the direct beneficiaries of the road is less

3	Kanichukulangarakavala Kalathilveedu road in Kanjikkuzhy GP in Alappuzha Dist. (The 25th TC suggested to consider binder layer also as the traffic is T6, moderate surface condition and possible diverted traffic from NH to Pathiramanal). The revised design configuration including binder layer DBM presented by PMU.	
	Length of Road	1222
	Reconstruction/Rehabilitation suggested	Rehabilitation
	Nature of Pavement	Flexible
	Pavement Configuration	WMM 75mm+DBM 50mm+BC 30mm
	Details of RWs	15 m
	Details of Culverts	Nil
	Details of Drains	Nil
	Total Cost	157
	Per km cost	128
	Comments from Technical Committee	DPR approved.
4	St Therasas LPS to Nalpathil Kalinku in Kavalam GP in Alappuzha District	
	Length of Road	766 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid (Short Panel)
	Pavement Configuration	300mm compacted Subgrade+150mm CTSB using crushed aggregate+100mm PQC M30
	Details of RWs	813 m
	Details of Culverts	Pipe culvert Ch 0+035
	Details of Drains	Nil
	Total Cost	174 lakhs
	Per km cost	227 lakhs/km
	Comments from Technical Committee	DPR approved.
5	Kavumpadi to perumal jetty in Kavalam GP in Alappuzha District	
	Length of Road	865 m
	Reconstruction/Rehabilitation suggested	Rehabilitation
	Nature of Pavement	Rigid
	Pavement Configuration	75mm WMM levelling coarse+150mm PQC M30
	Details of RWs	608 m
	Details of Culverts	Box Culvert Ch 0+093, Pipe Culvert Ch 0+526
	Details of Drains	Nil
	Total Cost	201 lakhs
	Per km cost	232 lakhs/km
	Comments from Technical Committee	DPR approved.
6	Karichira to puthusseri road in Ambalapuzha South GP in Alappuzha District	

	Length of Road	1230 m
	Reconstruction/Rehabilitation suggested	Reconstruction
	Nature of Pavement	Rigid (Short Panel)
	Pavement Configuration	300mm cement stabilised/filled Subgrade+150mm CTSB using crushed aggregate+100mm PQC M30
	Details of RWs	315 m
	Details of Culverts	Pipe Culvert Ch 0+321, 0+502, 0+564, 0+659, 0+729, 0+758, 0+809, 0+982, 1+012, 1+130, 1+210
	Details of Drains	Nil
	Total Cost	261 lakhs
	Per km cost	212 lakhs/km
	Comments from Technical Committee	DPR approved.
7	Amarthodu to Pathilchira road in Chambakulam GP in Alappuzha District	
	Length of Road	1125 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid (Short Panel)
	Pavement Configuration	Earthfilling+Geotextile+150mm CTSB using crushed aggregate+100mm PQC M30
	Details of RWs	652 m
	Details of Culverts	Box Culvert Ch 0+141, 1+017, Pipe Culvert Ch 0+432, 0+505, 0+715
	Details of Drains	Nil
	Total Cost	250 lakhs
	Per km cost	222 lakhs/km
	Comments from Technical Committee	Woven geotextile to be replaced with non woven geotextile at top portion. Sectional drawing to be corrected. DPR approved.
8	Holy family school to pazhoor temple road in Kainakary GP in Alappuzha District	
	Length of Road	758 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid (Short Panel)
	Pavement Configuration	300mm cement stabilised Subgrade+150mm CTSB using crushed aggregate+100mm PQC M30
	Details of RWs	346m
	Details of Culverts	Box Culvert Ch 0+098, 0+374,0+280
	Details of Drains	Nil
	Total Cost	135 lakhs
	Per km cost	178 lakhs/km
	Comments from Technical Committee	As the width of road is 3-4, adequate compaction of edges shall be ensured during execution. DPR
9	Kainadu pally karumathra Kshethram road in Neelamperoor GP in Alappuzha	

	Length of Road	974 m
	Reconstruction/Rehabilitation suggested	Rehabilitation
	Nature of Pavement	Rigid
	Pavement Configuration	75mm WMM levelling coarse+150mm PQC M30
	Details of RWs	220 m
	Details of Culverts	Box Culvert Ch 0+853, Pipe Culvert Ch 0+526, 0+710
	Details of Drains	360m
	Total Cost	181 lakhs
	Per km cost	185 lakhs/km
	Comments from Technical Committee	DPR approved.
10	Kumaramkari society road in Veliyanad GP in Alappuzha District	
	Length of Road	1777 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid (Short Panel)
	Pavement Configuration	Compacted Subgrade+150mm CTSB using crushed aggregate+100mm PQC M30
	Details of RWs	628 m
	Details of Culverts	Box Culvert Ch 0+220, 0+556, 0+756, 1+215, 1+418, 1+475, Pipe culvert Ch 0+692, 1+550
	Details of Drains	Nil
	Total Cost	379 lakhs
	Per km cost	213 lakhs/km
	Comments from Technical Committee	DPR approved.
11	Bakery jn to Aayiravalli palam in Kainakary GP in Alappuzha District	
	Length of Road	2324 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid (Cell filled concrete)
	Pavement Configuration	300mm cement stabilised Subgrade+100mm GSB+75mm WMM+Cell filled concrete 100mm PQC M30
	Details of RWs	634 m
	Details of Culverts	Box Culvert Ch 0+254, 0+340, 0+427, 0+552, 0+585, 0+737, 1+115, 1+456, 1+298, 1+697, 1+943, 2+135
	Details of Drains	Nil
	Total Cost	268 lakhs
	Per km cost	115 lakhs/km

	Comments from Technical Committee	TC suggested to verify whether this road need to be taken up in the RKI scheme considering an existing width of 2- 3m. The work may be taken up by the respective LSGI. DPR not approved.
12	Thiruvamanapuram - Parakadavu Road in Eraviperoor GP in Pathanamthitta District	
	Length of Road	430 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid
	Pavement Configuration	300mm Subgrade+150mm CTSB using crushed aggregate+150mm PQC
	Details of RWs	255m
	Details of Culverts	2 nos
	Details of Drains	Nil
	Total Cost	186 lakhs
	Per km cost	432 lakhs/km
	Comments from Technical Committee	TC suggested review the inclusion of this road in the PMU RKI proposal as the width of the road is just 3m and the length is only 430m
13	Koipallymelepadi- Melethil padi Road in Ayroor GP in Pathanamthitta District	
	Length of Road	860 m
	Reconstruction/Rehabilitation suggested	New Construction+Rehabilitation
	Nature of Pavement	Rigid
	Pavement Configuration	300mm cement stabilised Subgrade+150mm CTSB using crushed aggregate+150mm PQC
	Details of RWs	261m
	Details of Culverts	2 nos
	Details of Drains	255 m irish drain
	Total Cost	144 lakhs
	Per km cost	167 lakhs/km
	Comments from Technical Committee	Approved without comments
14	Ozhukunettipadi - Paruthimootilpadi in Peringara GP in Pathanamthitta District	
	Length of Road	920 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid
	Pavement Configuration	300mm cement stabilised Subgrade+150mm CTSB using crushed aggregate+150mm PQC
	Details of RWs	835 m new construction+65m raising
	Details of Culverts	2 nos
	Details of Drains	Nil

	Total Cost	347 lakhs
	Per km cost	377 lakhs/km
	Comments from Technical Committee	Approved without comments
15	Footpath Thottuvila first bridge to Aattutheeram in Kainakkary GP	
	Length of Road	645 m
	Reconstruction/Rehabilitation suggested	New Construction
	Nature of Pavement	Rigid (short panel)
	Pavement Configuration	Earthfilling+Geotextile+150mm CTSB using crushed aggregate+100mm PQC M30
	Details of RWs	645 m
	Details of Culverts	Box Culvert Ch 0+090, 0+473
	Details of Drains	Nil
	Total Cost	149 lakhs
	Per km cost	231 lakhs/km
	Comments from Technical Committee	Woven geotextile to be replaced with non woven geotextile at top portion. Sectional drawing to be corrected. DPR approved.

Srb
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