

PROJECT MANAGEMENT FOR CLIMATE-RESILIENT RECONSTRUCTION AFTER FLOODING IN KERALA



MONTHLY PROGRESS REPORT FOR THE MONTH OF FEBRUARY 2021



Monthly Progress Report – February 2021

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1. Introduction

1.1. Project Background

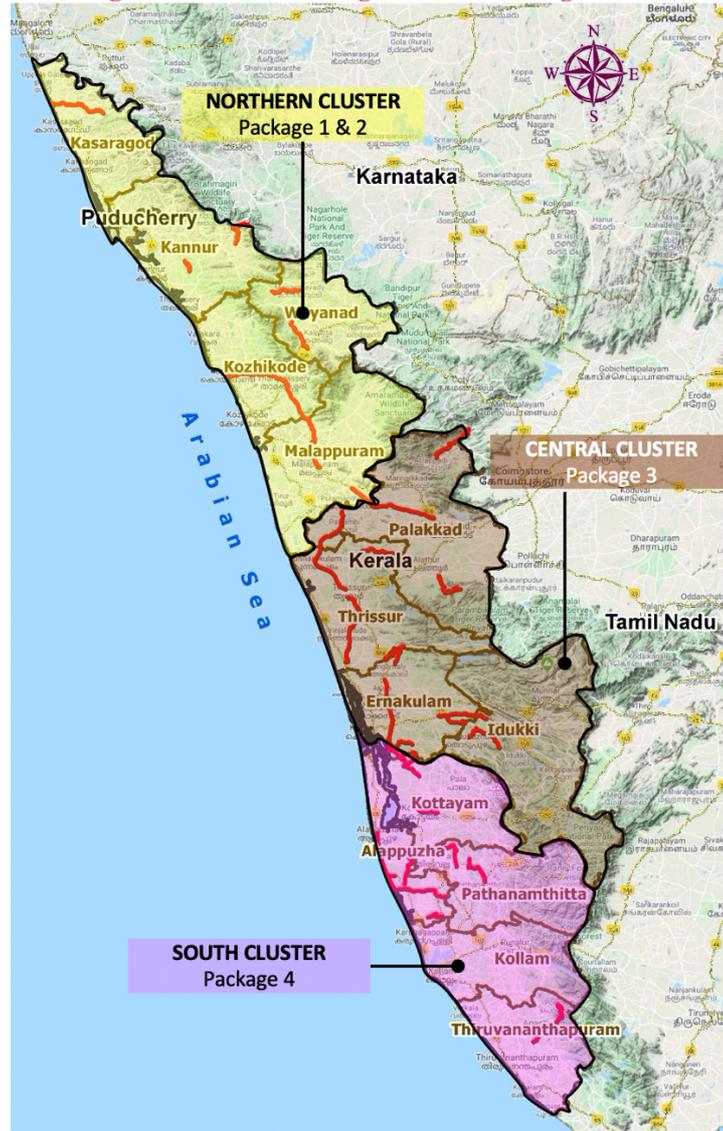
Kerala, a coastal State in the south of India, was inundated with a once in 100-year state-wide flood in 2018, by way of unusually high rainfall, that led to damages of nearly USD 5.6 billion, affected 5.4 million people, and left 483 people dead. This disaster, which affected thirteen out of the fourteen districts, led to the Government of Kerala launching a comprehensive rebuild framework and emergency action plan, under the umbrella scheme of the Rebuild Kerala Programme, that is being directed by the Kerala Public Works Department (PWD), with the core vision, strategy and way forward being articulated in the Government document titled “Rebuild Kerala Development Programme: A Resilient Recovery Policy Framework and Action Plan for Shaping Kerala’s Resilient, Risk-Informed Development and Recovery from 2018 Floods”.

It is with this background, that the Kerala State Transport Project (KSTP), an extension of the PWD of the Government of Kerala, and hereafter referred to as the PEA/ Client, was tasked with the development of a more sustainable and climate resilient reconstruction of flood damaged roads and bridges in Kerala. The mission of the Climate-Resilient Reconstruction Project is profound; increase the usability of rehabilitated road infrastructure in Kerala and reduce its vulnerability towards future climate-related damages.

Globally, there is a growing conjuncture from Scientists and Climate Change Experts that due to the effects of Global Warming and the subsequent rise in average temperatures, the occurrence of extreme weather and climate events has increased in recent decades. Specifically, for wet and maritime tropical climate regions located close to the equator, such as Kerala, the rise in temperatures are resulting in extreme swings in weather, from droughts in the summer months to an increase in extreme rainfall during the monsoon. Thus, going forward, the State must be adequately prepared for an increased frequency of such calamitic events such as the 2018 floods and must strengthen its Institutional Capacity, Sectoral and Urban Planning, Disaster Financing, Building Standards, Data Analysis and Infrastructure Quality.

To tackle the tremendous task of rebuilding the State, the Government of Kerala reached out to multilateral funding agencies, such as the World Bank and the Kreditanstalt für Wiederaufbau Bank (KfW), for development loans. For ease of coordination, the Government split the works for the flood damaged roads into four packages, with two located in the north of Kerala, one in central and one in south Kerala, as shown in Figure 1 below:

Figure 1 List of Packages for RKI Programme



Source: Government of Kerala

In this regard, the Government of Kerala, and the KfW, formerly KfW Bankengruppe, based in Frankfurt, Germany, signed two Loan Agreements in November 2019, totalling EUR 170 million, with an additional Loan of EUR 3 million, for the rebuilding of the State’s road infrastructure.

Parallely, the Government also entered into a Loan Agreement of USD 250 million with the World Bank Group, to enhance the State's resilience against the impacts of natural disasters and climate change.

Thus, under the ambit of the KSTP-II initiative, the Government, as a first step, undertook the prioritization of the roads to be rebuilt in 2019, through a study conducted by M/s L&T Infrastructure Engineering Limited (LNTIEL). The list of roads to be funded were approved in July 2019, at the 5th Meeting of the High-Level Empowered Committee (HLEC) of the Rebuild Kerala

Initiative. The meeting further decided that the two clusters in the north would be financed through the World Bank, while the southern and central cluster would be financed through the KfW Development Bank. On this basis, the KSTP bifurcated the roads into their respective clusters and appointed Detailed Project Report (DPR) Consultants. The main objective of the DPR Consultants were to design roads that would be resilient to adverse climatic elements and that would be safer, and more robust than the existing infrastructure.

1.2. Project Objective

The mission of the Climate-Resilient Reconstruction Project is to increase the usability of rehabilitated road infrastructure in Kerala and reduce its vulnerability towards future climate-related damages.

1.3. Project Components

The overall Project Objective would be achieved through the following Project Cluster Packages:

- (1) North Cluster Package 01
- (2) North Cluster Package 02
- (3) Central Cluster Package 03
- (4) South Cluster Package 04



1.3.1. North Cluster Package 01

Table 1 Roads in North Cluster Package One

No	Reference	District	Category	Road Name	Total Length (Kms)
1	RKI-11	Kannur	Major District Road (MDR)	Edoor - Companynirath - Anapanthy - Angadikkadavu- Vaniyappara - Charal - Valavupara - Kacherikkadavu Palathumkadav road	24.45
2	RKI-12	Kannur	Major District Road (MDR)	Uruvachal Manakkayi valayal (including bridge parallel to aqueduct at valayal)- Keezhallur Therur Palayod-Vellaparamba Karimbala Colony Maruthaayi road	18.46
3	RKI-13	Kasaragod	Major District Road (MDR)	Kumbla- badiadka-Mulleria road	29.14
4	RKI-14	Kozhikode	State Highway SH -34	Koyilandy Thamrassery Mukkam Areekode Edavanna road: 1. km 0.00 to 25.00-Koyilandy to Poonoor: 2. km:25.00 to 37.500-Poonoor- Omassery 3. km 37.500 to 51.200 Omassery to Eranhimav	46.32
5	RKI-15	Wayanad	Major District Road (MDR)	Vythiri-Tharuvana road	13.33
6	RKI-10	Wayanad	Major District Road (MDR)	Mananthavady - Vimalanagar - Kulathada - Valad HS - Periya road between km2/500 to 27/300 in Wayanad District	27.3
Total Length of Roads (Kms)					159.01

Source: Government of Kerala

1.3.2. North Cluster Package 02

Table 2 Roads in North Cluster Package Two

No	Reference	District	Category	Road Name	Total Length (Kms)
1	RKI-5	Malappuram	State Highway SH -39	Perumbilavu-Nilambur Road B/W Km30/700 to 42/780 and 50/000 to 62/320 including upgradation of 53/000 to 54/000, 54/000 to 54/800 and 56/000 to 57/200.	30.88
2	RKI-6	Malappuram	SH-34/MDR	Koyilandy - Edavanna road between Km 51/200 to 69/700 & Areekode - Manjeri road Km 0/000 to 13/600	31.53
3	RKI-7	Palakkad	SH-53	Palakkad -Perinthalmanna Road (Mundur Junction to Thootha Junction of SH-53 from Km 12/800 to Km 49/600)	36.8
4	RKI-8	Palakkad	Major District Road (MDR)	Thavalam Mully Road CH 0/000 to 28/800	28.50
Total Length of Roads (Kms)					127.71

Source: Government of Kerala

1.3.3. Central Cluster Package 03

Table 3 Roads in Central Cluster Package Three

No	Reference	District	Category	Road Name	Total Length (Kms)
1	Rd-1	Ernakulam	MDR	Mookannoor Ezhattumugham Rd ch 0/000 to 14/200 and Blachippara Palissery Rd ch 0/000 to 6/000 (Model/ Pilot Road)	19.95
2	Rd-2	Ernakulam	MDR	Kakkadassery - Kaliyar road Ch. 0/000 to 20/000	20.18
3	Rd-3	Ernakulam	SH-43	Muvattupuzha - Theni SH (Ch. 0/000 to 15/750)	16.18
4	Rd-4	Ernakulam	MDR	Kumarakom Nedumbassery (proposed SH) from Peruva to Peruvammuzhi	21.4
5	Rd-5	Idukki	MDR	Neyyassery Thokkumbansaddle road	31.92
6	Rd-6	Palakkad	MDR	Nenmara - Nellyampathy road km 0/00 to 30/714	30.47
7	Rd-7	Thrissur	SH-22	Kodungallur- shornur SH (SH 22) (Model/ Pilot Road)	34.35
8	Rd-8	Thrissur	SH-74	Vazhakkodu Plazhy road Km.0/000 to 22/642	22.72
9	Rd-9	Thrissur	SH-69	Thrissur Kuttippuram Road (SH 69) 4 stretches (Many stretches in between in progress by other agency KIIFB)	33
10	Rd-10	Ernakulam	MDR	Arakunnam-Amballoor-Poothatta-Piravam Road (Additional Road Added)	7.98
Total Length of Roads (Kms)					238.14

Source: Government of Kerala

1.3.4. South Cluster Package 04

Table 4 Roads in South Cluster Package Four

No	Reference	District	Category	Road Name	Total Length (Kms)
1	Rd-1	Kottayam	MDR	Gandhinagar-Medical College-Babu Chazhikadan Road- Kottayam-Parippu Road- Athirampuzha Liessue-Kaippuzha- Mannanam-Pulikkuttissery-Parolickal-Muttappally Road	20.20
2	Rd-2	Kottayam	MDR	Vadayar Chandappalam- Mulakkulam Road and Vadayar Kallattippalam Muttuchira Road	22.48
3	Rd-3	Pathanamthitta	MDR	Pathanamthitta Ayroor-Muttukudukka illathupadi - Muttukudukka prakkanam - Parakkanam Elavumathitta - Kulanada Ramanchira - Thanikkuzhy Thonnamala	28.20
4	Rd-4	Pathanamthitta	MDR	Mallapally, Komalam Paduthodu Kalloopara Chengaroor Komalam Kavungumprayar Pattakala, TMV road	23.13
5	Rd-5	Pathanamthitta	MDR	Malamekkara Kunnathukala Chala Puthenchanda factory Jn Azad Jn road 0/00 to 8/600	7.87
6	Rd-6	Thiruvananthapuram	SH	Thiruvananthapuram Ponmudi road (From Nedumangad to Ponmudi)	41.75
7	Rd-7	Alappuzha	SH/MDR	Thattaranbalam-Michael Junction-Kochalumood-Mangankuzhy-Pandalam	18.66
8	Rd-8	Alappuzha	MDR	Veeyapuram-Edathua-Puthukarry-Marnbuzhakkary-Kidangara- Kunnamgary- Kumarangary-Valady-Mullakarthuruthy	21.45
9	Rd-9	Pathanamthitta	MDR	Vayuttupuzha-Potheppad Road	35
Total Length of Roads (Kms)					218.64

Source: Government of Kerala

1.3.5. Supervision Consultants/ Authority’s Engineer

In addition to the total 29 road contracts for these aforementioned packages, the Government of Kerala has also initiated the procurement for Authority’s Engineers for the northern packages (as the contracts for the road contractors are on EPC Mode), as well as Supervision Consultants for the central and south packages (as the contracts for the road contractors are on Item Rate Mode), as per the following:

- For North Package 01 , LOA has been issued to M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd
- For North Package 02, M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd has been selected as AE 01
- Bids of Supervision Consultants for Central package 03 and South Package 04 has been opened on 19th Feb’21. Evaluation reports are under review with KfW

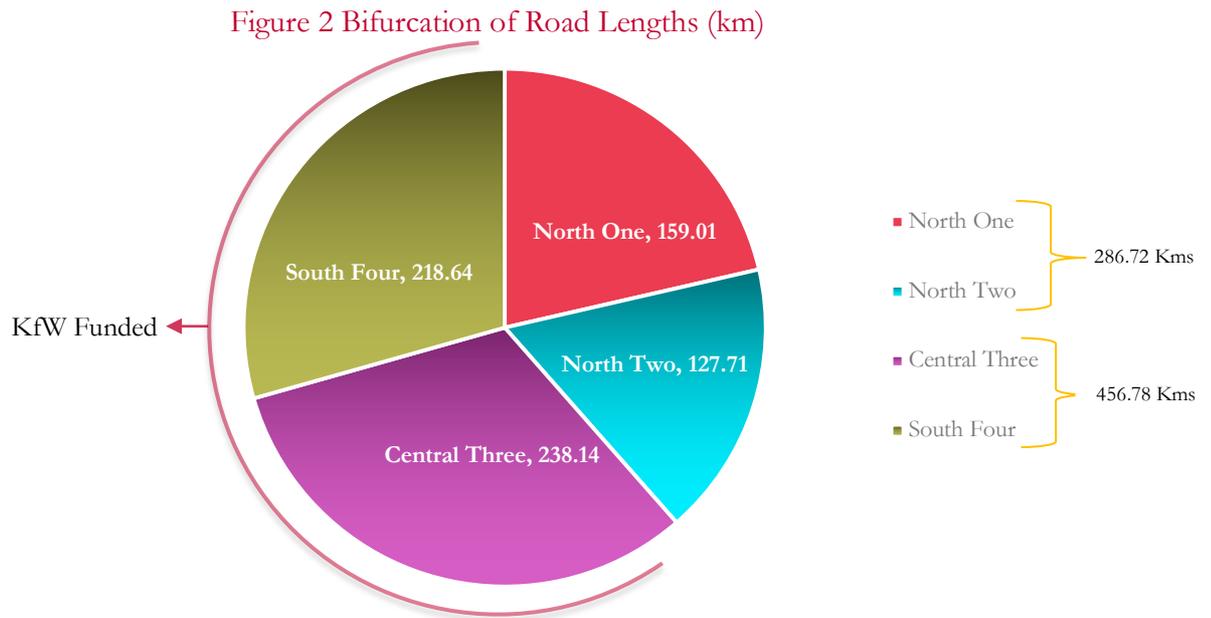
Table 5 Supervision Consultants and Authority’s Engineer

No	Contract Name	Package	Awarded to
1	Consulting Services for Construction Supervision for Climate Resilient Reconstruction after Flooding in Kerala	3 & 4	Bids opened on 19th Feb’21
2	Consultancy Services For Authority’s Engineer For Supervision Of ‘Rehabilitation &Upgrading the State Highways & Major District Roads, having varying width, by Climatic Resilient Reconstruction, 6 roads in the Northern Districts of Kannur, Kasaragod, Kozhikode & Wayanad of Kerala State under Rebuild Kerala Initiative’ on EPC.	1	M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd
3	Selection of Consulting Services for Authority’s Engineer for Supervision of ‘Rehabilitation &Upgrading the State Highways & Major District Roads, having varying width, by Climatic Resilient Reconstruction, 4 roads in the Northern Districts of Malappuram & Palakkad of Kerala State) under Rebuild Kerala Initiative’	2	M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd

Source: Government of Kerala

1.3.6. Overall Package Specifics

With total road contracts numbering 29 (10 north, 10 central and 9 south), with 743.5 km (KfW 456.78 and World Bank 286.72Kms), an overview of the roads from a pan Kerala perspective is provided below as part of Figure 2. These numbers are provisional, and subject to be updated, as the contracts for these road packages are awarded.:



Source: Government of Kerala, Louis Berger Analysis

2. Key Data Page

Client	Project Executing Agency – PWD of Kerala Project Management Unit- Kerala State Transport Project	
External Financier 01	World Bank	
External Financier 02	Kfw (Germany)	
Long Term Consultant	Louis Berger Consulting Pvt. Ltd., India JV with The Louis Berger Group, Inc., USA”	
Report Title & No.	Monthly Progress Report	No :5
Report Duration	1-Feb-2021 to 28-Feb-2021	
Date of Agreement	14-Aug-2020	
Date of Commencement	18-Aug-2020	
Duration of Contract	42 Months	

3. Project Cockpit

3.1. Objectives of Project Partners

The project Cockpit aims at improving the management of construction processes and at supporting the communication among its various participants. The method is based on the minimization of waste during the whole process. The result will be a methodology integrated into an IT solution, with the aim of:

Allowing for real-time progress monitoring, used to update process modelling and scheduling, so as to meet real conditions on-site which is divided into three matrices, namely:

1. Modelling
2. Scheduling
3. Monitoring

3.2. Project Context

The construction industry comprises of one of the biggest shares of the market for Small and Medium Enterprises (SMEs) in the region. Unfortunately, it is generally plagued by a low productivity rate, bad resource management, frequent delays and cost overruns.

The main reasons are:

- High fragmentation of the sector, mostly consisting of professional individuals or SMEs.
- High complexity of the final product and high unpredictability of the work environment on a construction site, characterized by unforeseen circumstances and subject to uncontrollable external factors.

These aspects make activity planning difficult, also due to the low degree of digitalization and IT-support in the construction sector. In this setting, a flexible activity planning together with a high level of communication between the stakeholders are needed to promptly adjust the building process, so as to react to possible causes of delays and cost increases.

3.3. Goals

3.3.1. Collaborative Process Modelling

Participation of all the different players involved in the construction project from the very beginning of the planning stage, in order to achieve a more reliable construction process model. The model is supposed to be comprehensive of all relevant process information for execution.

3.3.2. Short-time Scheduling:

Construction schedule for short period of time and periodically revised based on the actual results achieved on the construction site. The schedule is thus flexible and tailored to counteract potential changes of plan or delays due to unforeseeable circumstances.

3.3.3. Real-time Progress Monitoring:

Real-time monitoring aimed to have a constant, instant comparison with the process as planned. The schedule can be then revised based on the progress data, thus allowing an interactive optimization of the construction process.

The following sub chapters relating to the Real Time Progress Monitoring is tabled below and will be updated in the forthcoming Progress Reports since no construction activities has commenced during the reporting month:

- 3.4. Forward Schedule**
- 3.5. Current and Projected Costs**
- 3.6. Overall Construction Progress**
- 3.7. Risk Exposure**
- 3.8. Open Changes and Claims**
- 3.9. Health and Safety Statistics**
- 3.10. Staff Deployment**

4. Consultant’s Activities, Staffing and Time Schedule

4.1. Project Scope

A list of Tasks to be performed by Louis Berger as part of the Project Long Term Consultancy Services is provided below:

Table 6 Consultant’s Project Scope

No	Task List
1	PM01 Bid Evaluation Process, Contract Negotiations and Award
2	PM02 Quality Assurance and Control Monitoring
3	PM03 Liaison with Client and Governmental Agencies
4	PM04 Public Information
5	PM05 Project Controls
6	PM06 Contract Management
7	PM07 Financial Management
8	PM08 Claims Management
9	PM09 Change/Variation Management
10	PM10 Risk Management
11	PM11 Document Control
12	PM12 Environmental, Social, Health and Safety Management and Monitoring
13	PM13 Assistance during Defect Liability Period
14	PM14 Steering Accompanying Measures

Source: Louis Berger Analysis, Government of Kerala

4.2. Team Composition

The PMC Project Team led by Mr. Mohan K. Krishnan Poduval is being supported by Key Project Staff and Support Staff as illustrated in the table below:

Table 7 Status of Mobilization

No	Position	Name	Date of Joining	Date of Leaving	Total Planned Man months	Utilized Man months	Balance Man months
Key Experts							
1	Team Leader	Mohan K. Krishnan Poduval	18-Aug-2020	-	33	6.38	26.62
2	Senior Cost Surveyor	Shalini Thomas	20-Aug-2020	-	30	6.31	23.69
3	Contract/Procurement Expert	Sanjeev Agarwal	18-Aug-20	08-Sep-2020	30	0.69	29.31
4	Environmental & Social Specialist	AM Reddy	29-Oct-2020	-	30	4.01	25.99
5	Community Liaison Officer	Dilkush K	16-Sep-2020	-	30	5.42	24.58
Non-Key Expert							
6	Materials & Pavement Engineer	Sunil Srivastava	10-Feb-2021	-	16	0.59	15.41
7	Highway Engineer	Ambedkar Chilka	15-Feb-2021	-	20	0.43	19.57
8	Bridge Engineer	S. Prasad	25-Feb-2021	-	16	0.10	15.90
9	Planning Engineer	Amrutha	18-Aug-2020	07-Nov-2020	30	2.66	23.66
		Y. Srikanth	8-Nov-2020	-		3.68	
Supporting Staff							
7	Document Controller	Kishore Nair	24-Sep-2020	-	30	5.16	24.84
8	Accountant	Balu V	23-Nov-2020	-	30	3.19	26.81

Source: Louis Berger Analysis

The following sub chapters form part of this report: will be updated in the forthcoming progress reports since no construction activities has commenced during the reporting month:

4.3. Main Activities

4.4. Target/Actual Comparison of activities

4.5. Time

4.6. Preparation of documents and approvals

4.7. Organization of meetings

Meetings organized and attended by Long term PMC is listed below

Table 8 Event Dairy

S.No	Event	Date & Location	Agenda
1	Meeting with Chief Engineer KSTP	Date :2nd Feb'21 Location : KSTP	Discussion on Site Issues
2	Meeting with KfW	Date : 2nd Feb'21 Location: Video Conference	PMC Team introduction
3	Meeting with Chief Engineer KSTP	Date : 3rd Feb'21 Location : KSTP	Discussion Regarding Mobilization of AE 02
4	Meeting with Project Director	Date : 4th Feb'21 Location : KSTP	Discussion on KfW Review meeting
5	Meeting with Project Director	Date : 8th Feb'21 Location : KSTP	Project review Meeting
6	Meeting with World Bank team	Date : 11th Feb'21 Location: Video Conference	Project Review Meeting
7	Meeting with Project Director	Date : 15th Feb'21 Location : KSTP	Project Review Meeting
8	Negotiation Meeting AE 02	Date :15th Feb'21 Location: KSTP	Agenda of the meeting was to agree on TOR and the proposal in case of any discrepancy and confirmation of consultants regarding mobilization of Key experts
9	Meeting with Chief Engineer	Date : 24th Feb'21 Location : KSTP	Agenda of the meeting was to discuss about post contract activities of Package 3 & 4
10	Meeting with Project Director	Date : 25th Feb'21 Location :GoK Secretariat	To discuss about flow of communication between KSTP,PMC,AE/CSC & Contractors

4.8. Table of Correspondences

Table 9 List of Outward Correspondences in Feb'21

Sr. No	Letter No.	Date	Addressed To	Reference	Subject
1	4800221-GGN-OC-71	02.02.2021	CE KSTP	1) OC-56 dt02/01/2021 2) OC-14 dt23/01/2020 3) KSTP/J821/2019-EE-P(4)dt18/08/2020	Role of PMC for Northern World Bank Package and Southern & Central KFW Packages
2	4800221-GGN-OC-73	02.02.2021	CE KSTP	1) OC-54 TBER dt29/12/2020 2) OC-65 TBER dt25/01/2021	PKG-IV/Rd3- Submission of FBER
3	4800221-GGN-OC-74	05.02.2021	CE KSTP	1) KSTP/J821/2019-EE-Part(4) dt18.08.2020	Submission of CV for Position K6 Health and Safety officer(Key Expert)
4	4800221-GGN-OC-75	05.02.2021	CE KSTP	1)KSTP/J821/2019-EE-Part(4) dt18.08.2020	Submission of CV for Position E7 Environmental Specialist(Non Key Expert)
5	4800221-GGN-OC-76	12.02.2021	CE KSTP	1) KSTP/J821/2019-EE-Part(4) dt18.08.2020	Submission of Monthly progress Report for January 2021
6	4800221-GGN-OC-77	12.02.2021	CE KSTP	1) KSTP/J821/2019-EE-Part(4) dt18.08.2020 2) OC 30dt06.11.2020	PM14 Steering Accompanying Measures Personnel Approval Status
7	4800221-GGN-OC-78	16.02.2021	CE KSTP	1)OC 29 dt 29.10.2020 2) LOA-KSTP/192/2020-AE-9 dt20.01.2021	Draft Minutes of Negotiation Meeting of the Consultant - KSTP II - RKI AE 2
8	4800221-GGN-OC-79	18.02.2021	CE KSTP	1) KSTP/J821/2019-EE-Part(4) dt18.08.2020	Non Availability of Contract/Procurement Expert Mr.Sanjeev Sharma
9	4800221-GGN-OC-80	18.02.2021	CE KSTP	1)KSTP/J821/2019-EE-Part(4) dt18.08.2020 2) OC 30 dt06.11.2020 3) KSTP/227/2020-AE9 dt02.02.2021	Approval for Steering Accompanying Expert for Innovative Materials Study and Mobilization Update
10	4800221-GGN-OC-81	22.02.2021	CE KSTP	4) KSTP/J821/2019-EE-Part(4) dt18.08.20	Draft RFP for Vulnerability Assessment
11	4800221-GGN-OC-82	24.02.2021	CE KSTP	1) OC 63 dt18.01.2021 2) OC 51 dt22.12.2020 3)KSTP/328/PMT/PWD/2020 dt14.08.2020	Updated Application for Advance payment
12	4800221-GGN-OC-83	26.02.2021	CE KSTP	1) KSTP/227/2020-AE9 dt02/02/21 2)OC 30 dt06.11.2020 3)KSTP/J821/2019-EE-P(4) dt18.08.2020	Mobilization Update of Bridge Engineer
13	4800221-Contracts-AE-1/04	06.02.2021	CE KSTP	1) EGIS-EI/HO/KSTP-II/6580/2020 dt 21.12.2020 /email dt 11.01.2021	AE01 - Variation No.01
14	4800221-Contracts-AE-1/05	10.02.2021	CE KSTP	1) OC -38 dt20.11.2020 2)EGIS - EI/HO/KSTP-II/66309/2021 dt21.01.2021	AE 01- Recommendation for replacement of Lab Technician
15	4800221-Contracts-AE-2/01	16.02.2021	CE KSTP	1) OC 29 dt 29.10.2020 2) KSTP/192/2020-AE-9 dt 20.01.2021	Draft Minutes of Negotiation Meeting of the Consultant - KSTP II - RKI -AE 2
16	4800221-Env & Soc /01	05.02.2021	CE KSTP	1) Contract Agreement dated 14 August 2020	Submission of Minutes of Meeting on Seeking clarification on implementation of Rehabilitation & Resettlement(R&R) Policies for the proposed KSTP Roads Under RKI , Pkg 1,2,3 & 4
17	4800221-Contracts/Pkg IV Rd-8/01	19.02.2021	CE KSTP	1) SDC/ALP/2021/001 dt 16.02.2021	Key Personnel
18	4800221-Contracts-RKI 07/01	11.02.2021	CE KSTP	1)KSTP/253/2020/AE7 dt10/02/2021 2)KMC-CO/KSTP(RKI)Pkg-07/2020/013 dt02.01.2021	Submission of Proposal for Proof Consultanats

Table 10 Inward Correspondences Feb'21

Received on	From	Letter No.	Subject/Particulars
02.02.2021	KSTP	email - KSTP/PMT/330/2020/ AE-2	PKG IV R2 - Cancellation of Tender
02.02.2021	KSTP	email - KSTP/227/2020/AE-9	PMC - Approval of Highway Engineer , Bridge/Structural Engineer, Material and Pavement Engineer
03.02.2021	KFW - JAN	email	PKG 3 R1/7 and PKG 4 R5/8 - Clarification needed
04.02.2021	KSTP - CE	email	PMC - Review of Replacement of Key Expert - Contract/Procurement Specialist
04.02.2021	KMC - PM	email - KMC/KSTP/Pkg- 7/2021/016	RKI 07 - Key personnel - Appointment of Design Director
04.02.2021	KFW - Kiran	email	Important Issues related to KSTP
04.02.2021	KFW - JAN	email	Summary of PWD/KSTP and kfw management meeting dt 04.2.2021
05.02.2021	KFW - JAN	email	Kerala Roads Proposal for simplification of procurement processes for works - AGREED
05.02.2021	KFW - JAN	email	Kerala Roads Studies to be financed under KFW accompanying measure
06.02.2021	KFW - KORNEL	email	No objection to the Bidding Documents for the Re-Tender for Tender Package KSTP/KFW/RKI PKG -IV /Rd 2
06.02.2021	KFW - Kiran	email	Important Issues related to KSTP
06.02.2021	ST PMC - Vijay	email	PKG3 R9 - Prebid Query
08.02.2021	KMC	email - KMC/KSTP/Pkg- 5/2020-21/017	PKG2 RKI 5 - Request for revision/modification of Schedule H - for approval
08.02.2021	KFW - JAN	email	PKG 04 RKI R7 - Financial Evaluation Report- Signed Copy
09.02.2021	KFW - KORNEL	email	PKG3 R9 (Thrissur -Kuttipuram) - Prebid Query
09.02.2021	KFW - JAN	email	KFW Kerala Road Swap of Roads to be financed with kfw resources
09.02.2021	KSTP - AE	email	PKG 2 R4 (Malappuram - Palakkad) - Re Submission of CV of sub professional staff for approval
09.02.2021	KSTP - CE	email	PKG 03 R7 - Financila Evaluation Report Draft Agreement
10.02.2021	KSTP - CE	email	PKG 03 R7 PKG 04 R1, R5 ,R8 - Serial Post Facto No objection
10.02.2021	KSTP - CE	email	PKG 03 R3(Muvattupuzha - Theni) - Evaluation of Bid for the work
10.02.2021	KSTP - CE	email	PKG 04 R5 - Draft Agreement
10.02.2021	KSTP - CE	email	PKG 02 RKI 7 - Proof Consultant

Table 11 Inward Correspondences Feb'21

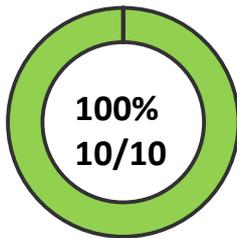
Received on	From	Letter No.	Subject/Particulars
10.02.2021	ST PMC - Vijay	email	PKG 03 R9(Thrissur -Kuttippuram) - Prebid Query
10.02.2021	ST PMC - Vijay	email	PKG 03 R4(Kumarakom- Nedumbassery) - Prebid Query & Replay
11.02.2021	JP Morgan	email - Letter	Confirmation of Issuance of Bank Guarantee No.AINMUSSOO5137 dt 1.01.2021
12.02.2021	KFW - KORNEL	email	PKG3 R4 (Kumarakom - Nedumbassery) - Prebid Query & Reply
12.02.2021	KFW - KORNEL	email	PKG4 R4 (Mallapally - Kavumpuram) -Finanacial Opening- Finanacial Evaluation Report
12.02.2021	KSTP -CE	Post - KSTP- PMT/330/2020/AE-2	PKG1 RKI 13 (Kumbla - Badiadka) - Intimation of appointed date
12.02.2021	KSTP - AE	Post - KSTP/227/2020-AE9	PMC -Approval of Highway Engineer , Bridge/Structural Engineer,Material and Pavement Engineer
15.02.2021	KFW - KORNEL	email	PKG 3 R7 - No objection Letter Final Draft Contract
15.02.2021	KMC	email	Pkg 2 RKI 07 - Survey Reports(Submission of Documents)
15.02.2021	KFW - JAN	email	Summary of PWD/KSTP and kfw management meeting dated 04.02.2021
15.02.2021	KSTP - AE	email	Northern Districts of Kannur, Kasargod,Kozhikode and Wayanad - Letter of Acceptance
16.02.2021	KFW - KORNEL	email	PKG 4 R5 - No objection Letter Final Draft Contract
16.02.2021	KFW - KORNEL	email	PKG 4 R8 - Final Draft Contract
25.02.2021	KSTP - CE	email	Copy of QPR Oct 2020 to Dec 2020
25.02.2021	KSTP - CE	KSTP/200/2020	Agreement
18.02.2021	LT PMC - VIJAY	email	Draft Agreement
18.02.2021	KSTP - CE	email	Details of Key Personnel
17.02.2021	KSTP - CE	KSTP/253/2020-AE7	Declaration of Appointed Date
23.02.2021	KMC - PM	KMC-CO/KSTP(RKI)/Pkg	Replay: Immediate patch repair works to be attended
25.02.2021	KMC - PM	KMC-CO/KSTP(RKI)/Pkg	Request for Source approval of the Ramco Cement
28.02.2021	KMC - PM	email - KMC-CO/KSTP(RKI)/Pkg-7/2021/31	Source approval of Dalmia Cement
25.02.2021	KSTP - CE	KSTP/200/2020	Agreement

5. Progress of Construction

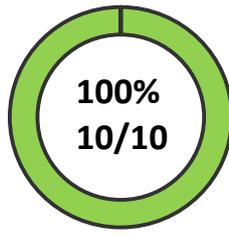
List of the Consultant(s) and Contractors incl. brief description of each Contractor’s tasks, contract volume and results, appendices:

- Status of tenders published, Contractors finalized and Construction progress of all the packages are Shown below:

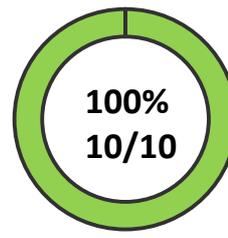
North Package 01 & 02 (Funded by World Bank)



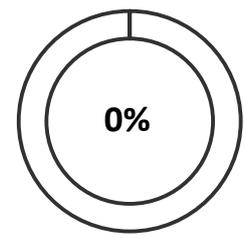
Tenders Published



Tenders Opened



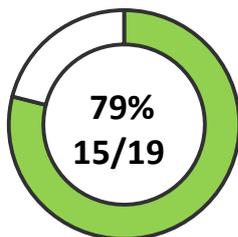
Contracts Awarded



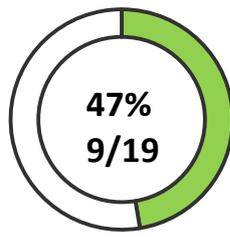
Construction Progress

- In North Packages, all the contractors are on board and commencement date has been issued for 7 roads out of 10 roads.
- M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd has been appointed as Authority Engineer 01 for North Package 02. And they are on board now
- M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd has been appointed as Authority Engineer 02 for North Package 01. LOA issued on 20-Jan’21 .

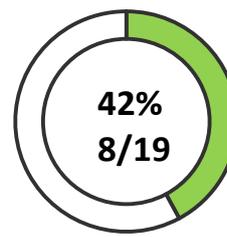
Central Package 03 & South Package 04 (Funded by KfW)



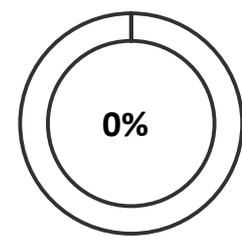
Tenders Published



Tenders Opened



Contracts Awarded



Construction Progress

- In Central Package 03, 2 roads (Rd-1,Rd-7) LOA has been issued , 5 roads (Rd-2,Rd-3,Rd-4,Rd-8,Rd-9,Rd-10) are in procurement stage and 2 roads (Rd-5,Rd-6) are in DPR approval stage.
- In South Package 04, 6 roads (Rd-1,Rd-3,Rd-4,Rd-5,Rd-7 & Rd-8) LOA has been issued , 1 road (Rd-2) retendered and 2 road (Rd-6 & Rd-9) are in DPR approval stage.

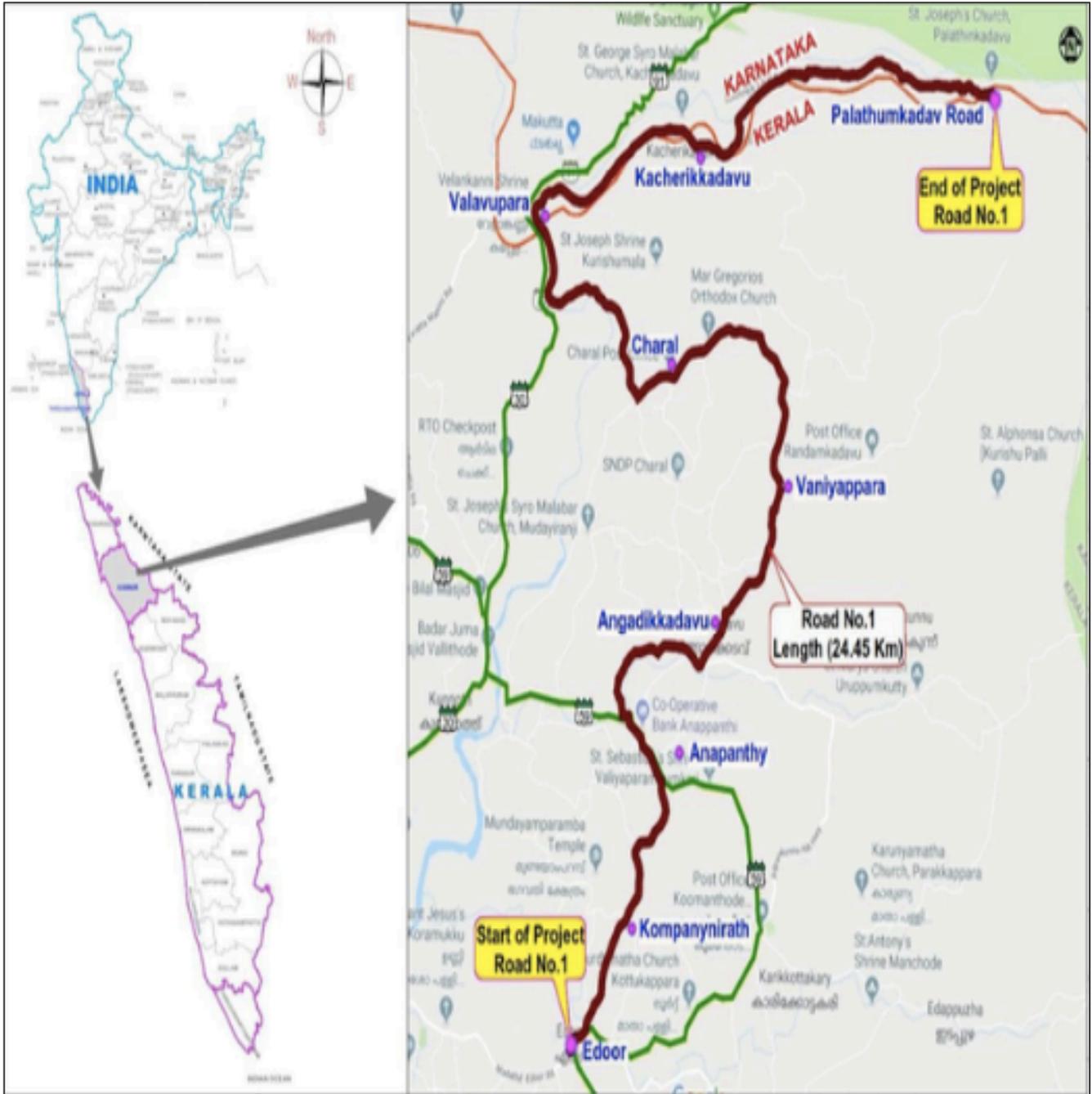
5.1. North Package 01

Table 12 Status of North Package 01

Procurement Status of North Package 01 funded by World bank under EPC Mode															
S.No	Package	Road Ref No	Description	District	Length (Kms)	Duration	Maintenance Period	Tender Submission Date	Technical bid Opening	Financial Bid Opening	Agreement Date	Contract Amount in INR Crores	Appointed Date	Contractor	Status
1	Package 01	RKI-10	Mananthavady - Vimalanagar - Kulathada - Valad HS - Periya road between km2/500 to 27/300 in Wayanad District	Wayanad	27.3	18	60	24-Aug-20	24-Aug-20	11-Sep-20	28-Oct-20	107.45	29-Dec-20	M/s ULCCS	*Site Installation and Survey works are in progress
2		RKI-11	Edoor – Companynirath - Anapanthy - Angadikkadavu- Vaniyappara - Charal - Valavupara - Kacherikkadavu - Palathumkadav road	Kannur	24.45	18	60	11-Sep-20	11-Sep-20	22-Sep-20	28-Oct-20	136.21	21-Dec-20	M/s RDS Projects	*Mobilization advance of 2.57Cr paid to contractor *Site Installation and Survey works are in progress
3		RKI-12	Uruvachal Manakkayi valayal (including bridge parallel to aqueduct at valayal)- Keezhallur Therur Palayod-Vellaparamba Karimbala Colony Maruthaayi Road	Kannur	18.46	18	60	12-Oct-20	12-Oct-20	23-Oct-20	14-Dec-20	100.42	TBN	M/s EPIL	Inventory Survey in progress
4		RKI-13	Kumbala- Badiadka-Mulleria Road	Kasargod	29.14	24	60	12-Oct-20	12-Oct-20	21-Oct-20	14-Dec-20	167.99	21-Jan-21	M/s RDS Projects	*Mobilization advance of 3.18Cr paid to contractor *Site Installation and Survey works are in progress
5		RKI-14	Koyilandy Thamrassery Mukkam Areekode Edavanna road	Kozikode	46.32	24	60	27-Oct-20	27-Oct-20	12-Nov-20	16-Feb-21	221.065	TBN	M/s. Sreedhanya Construction Company	Inventory Survey in progress
6		RKI-15	Vythiri-Tharuvana road	Wayanad	13.335	16	60	27-Oct-20	27-Oct-20	10-Nov-20		63.9	TBN	M/s. Midland Engineering and Contracting Company	Agreement to be executed
Total Length of North Package 01 (Kms)					159.01										

North Package 01 :

- 1) RKI-11: Upgrading Edoor to Palathumkadav Road Km 0.000 (Edoor) to Km 24.450 (Palathumkadav)



This stretch of length 24.45 Kms starts at Edoor, a small town in Kannur district. The alignment passes through Company nirath, Anapanthy, Angadikadavu, Vaniyappara, Charal , Valavupara and Kacherikkadavu before reaching Palathumkadavu Road, which is the end of project road close to the Karnataka border.

Salient features of the project:

Length of Road	:	24.45 Km
Right of way average	:	10m (Varies 8m-12.5m)
Major Junction	:	4
Minor Junction	:	46
Major Bridge	:	Nil
Minor Bridge	:	9
Culverts	:	84

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/s RDS Projects Ltd	18	136.21	21-Dec-2020

Status as on 28th Feb'2021:

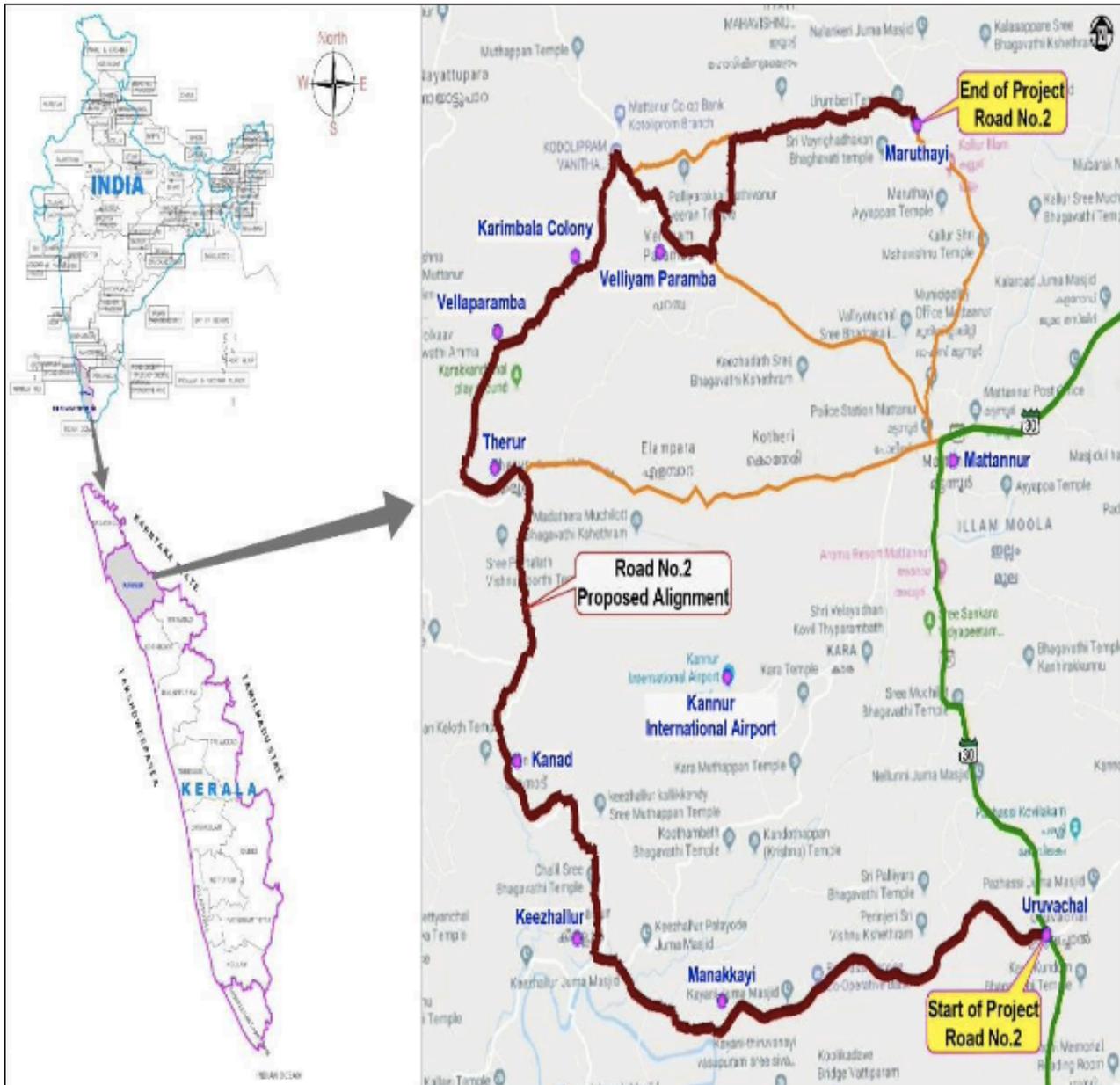
Inventor Survey and Site Installation Works are in progress

Financial Progress

First mobilization advance of Rs.2.57 Cr issued to the contractor

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	180	20%	-	19-Jun-2021	-	-	
Milestone II	330	55%	-	16-Nov-21	-		
Milestone III	440	75%	-	06-Mar-22	-		
Milestone IV	548	100%	-	22-Jun-22	-		

2) RKI-12 : Upgrading Uruvachal-Manakkai-Valayal, Kezhallur Therur-Palayod, Vallaparmba-Karimbala Colony- Kodolipram & Cholakkari-Nerammal- Maruthaayi road in Kannur district.



Key Project Road Map

The project road comprises of 4 stretches which starts at Uruvachal and passes through Manakkai- Valayal (Km 0+000 to 5+990- 5.99km) Kezhallur- Therur- Palayod (Km 6+270 to 11+570- 5.30km) Vallaparmba-Karimbala Colony- Kodolipram (Km 12+280 to 15+850- 3.57km), Cholakkari- Nerammal-Maruthaayi road (Km 17+600 to Km 21+200- 3.6km). Existing carriageway width varies from 3.6 m to 7.6 m along the 4 project stretches of total 18.46km. Existing type of pavement is flexible pavement throughout the project stretch. Two lane carriageways were observed for a length 2.74 km. The terrain along the stretch of the road is hilly, rolling and mountainous.

Salient features

Length of Road	:	18.46 km
Right of way average	:	9 m (Varies 8-12.5m)
Major Junction	:	7
Minor Junction	:	42
Major Bridge	:	Nil
Minor Bridge	:	3
Culverts	:	41
Bus Shelters	:	16

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/s Engineering Projects (India) Ltd	18	100.42	To be Notified

Status as on 28th Feb'2021:

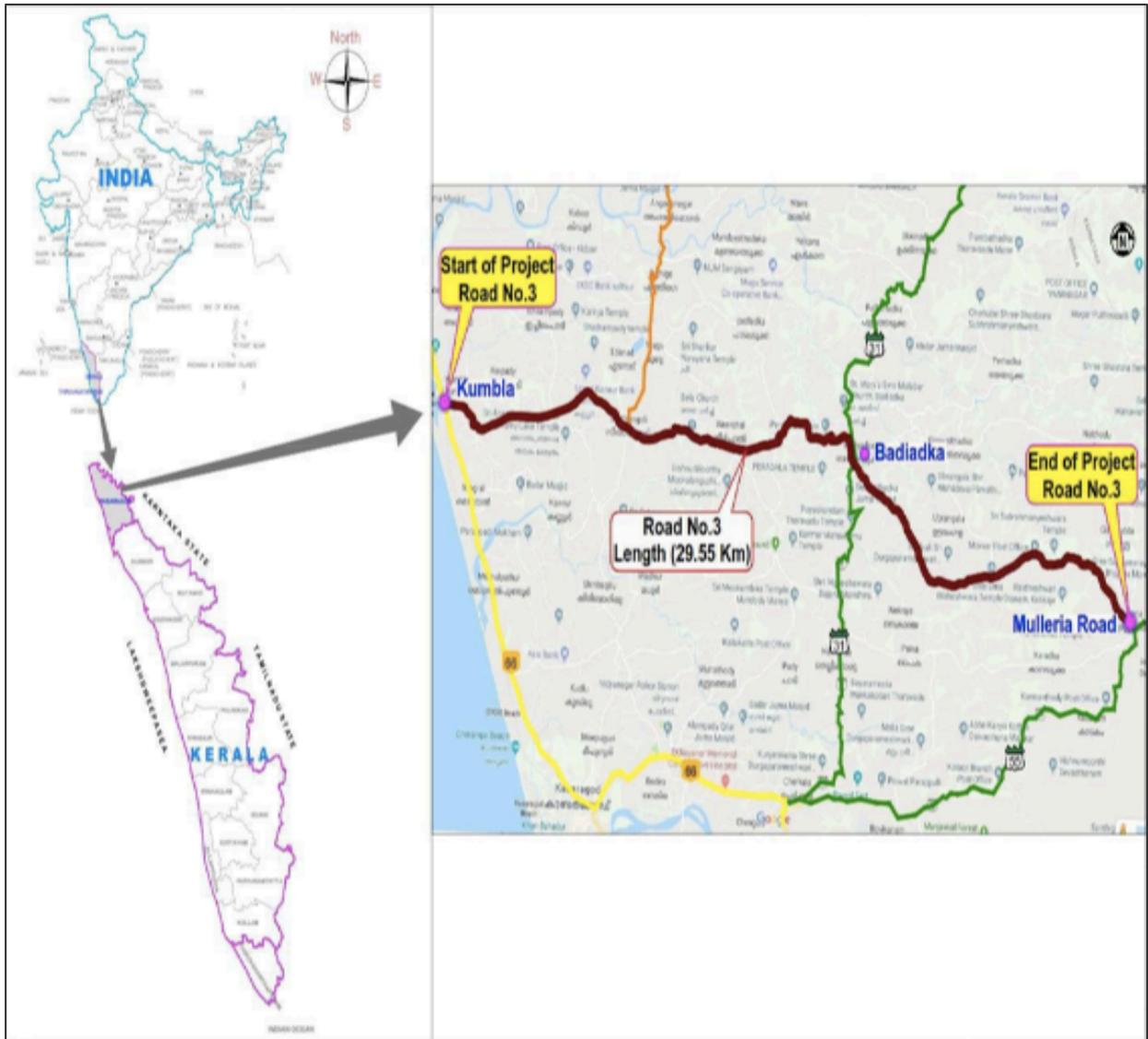
Inventory Survey in Progress

Financial Progress

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	218	20%	-	Appointed Date yet to be notified	-	-	
Milestone II	330	55%	-		-		
Milestone III	440	75%	-		-		
Milestone IV	548	100%	-		-		

3) RKI- 13: Upgrading Kumbala – Badiadka - Mulleria Road: Km 0+000 (Kumbala) to Km 29+135 (Mulleria) under Re-build Kerala Initiative

The project alignment and the major towns/ villages along the project road are presented below.



Key Project Road Map

The Site of the Project is Four Lane, Two Lane /Intermediate Lane Highway Road with a total length of 29.135 Km. The project road originates from Kumbala, a small coastal town in Kasargod district. The alignment passes through Badiadka before reaching Mulleria, which is the end of project road close to the Karnataka border. The terrain along the stretch of the road is hilly, rolling and mountainous. The type of the existing pavement is flexible pavement.

Salient features:

Length of Road	:	29.135 km
Right of way average	:	10 m (Varies 9-32m)
Major Junction	:	5
Minor Junction	:	48
Major Bridge	:	Nil
Minor Bridge	:	2
Causeways	:	2
Culverts	:	41
Bus Shelters	:	64

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/S RDS Project Ltd.	24	168	21-Jan-2021

Status as on 28th Feb'2021:

Site mobilization and inventory works are in progress

Financial Progress :

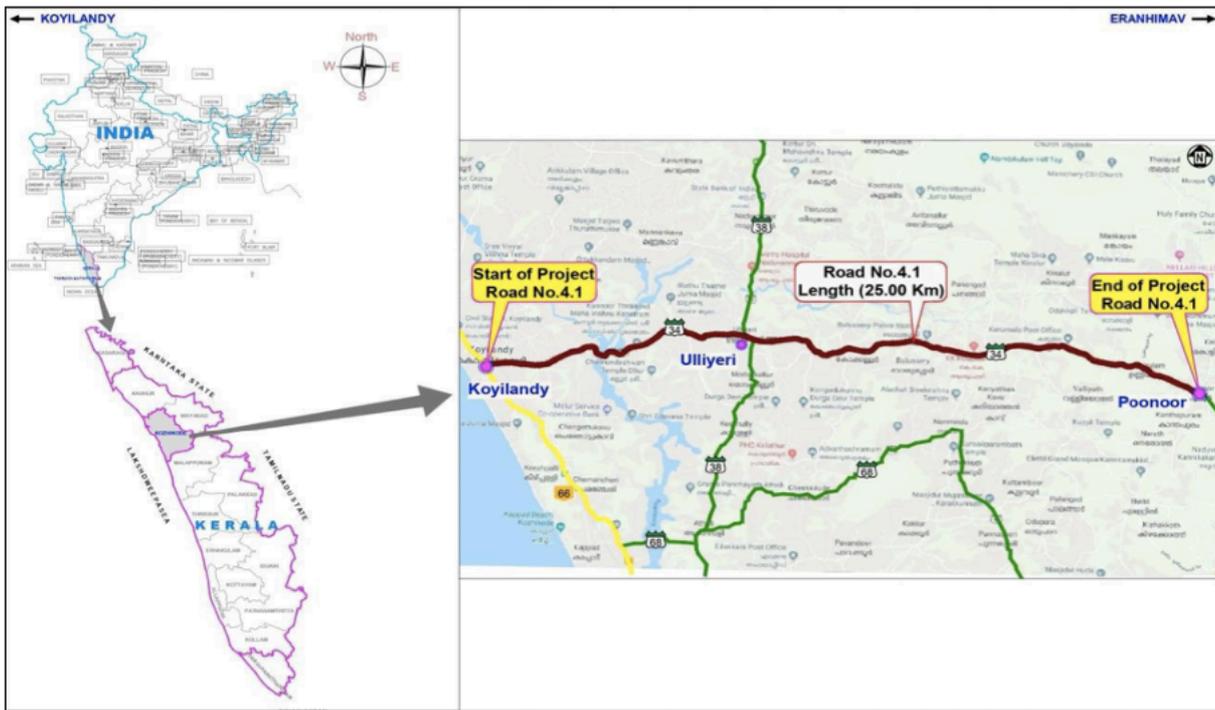
First Mobilization advance of Rs.3.18 Cr has been issued to contractor

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	218	20%	-	27-Aug-21	-	-	
Milestone II	440	55%	-	06-Apr-22	-		
Milestone III	585	75%	-	29-Aug-22	-		
Milestone IV	720	100%	-	11-Jan-23	-		

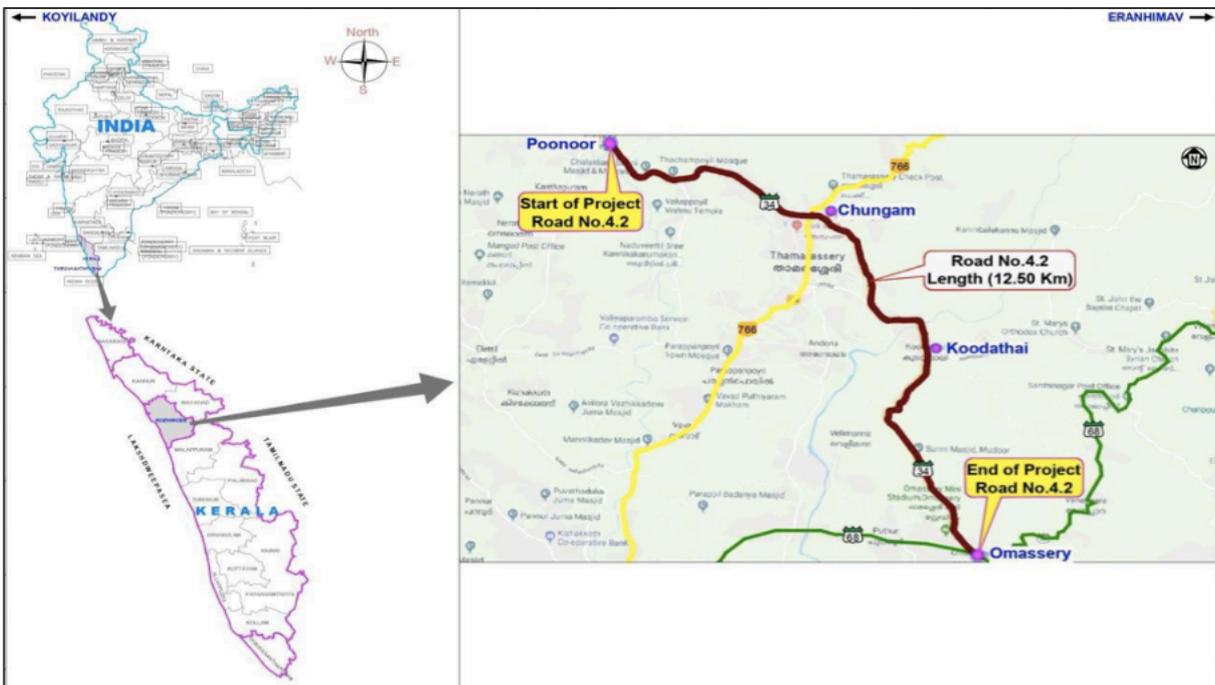
4) RKI-14 : Upgrading SH 34 Koyilandy –Thamarassery – Mukkam – Areekode Eranhimavu Road under Re-build Kerala Initiative

The project alignment and the major towns/ villages along the project road are presented below.

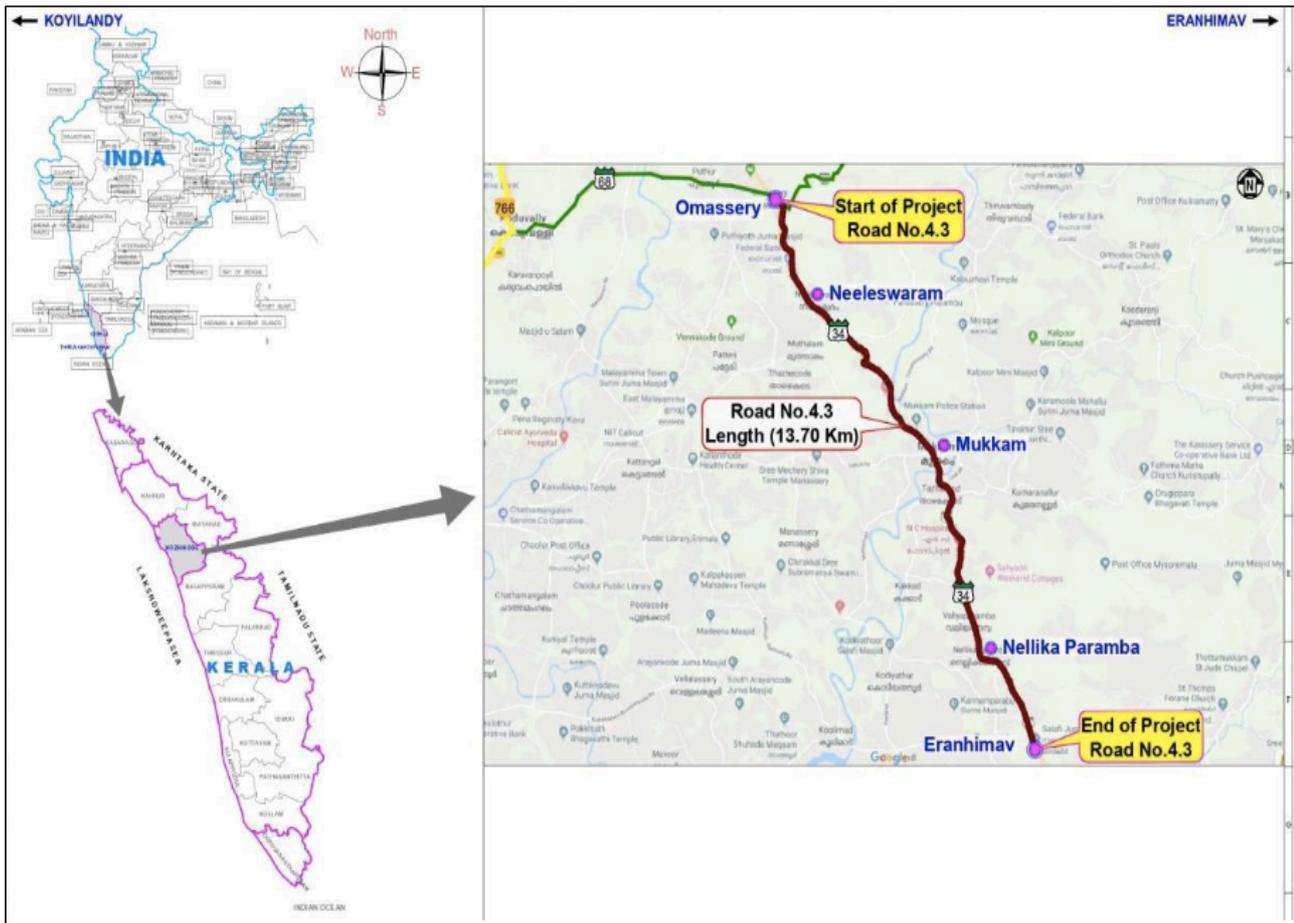
Location of Map Showing i) Koyilandy to Ponnor



Location of Map Showing ii) Ponnor - Omassery



Location of Map Showing iii) Omassery to Eranhimav



The Site of the Project is Two Lane Highway Road with a total length of 46.32 Kms. The project road comprises of 3 stretches originating from Koyilandy at 4+100km. The stretches are as follows.

- Km 4+100 to 25+000 - Koyilandy to Poonoor,
- Km:25+000 to 37+500 – Poonoor to Omassery,
- Km 37+500 to 44+000 and 44+600 to 51+020 Omassery to Eranhimav

The terrain along the stretch of the road is rolling, hilly and mountainous. The type of the existing pavement is flexible pavement.

Salient features:

Length of Road	:	46.32 km
Right of way average	:	15 m (Varies 10-30m)
Major Junction	:	8
Minor Junction	:	44
Major Bridge	:	2
Minor Bridge	:	6
ROB	:	1
Culverts	:	99 (Existing)
Bus Shelters	:	81
Aqueduct	:	1

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/S Sreedhanya Construction	24	221.065	To be Notified

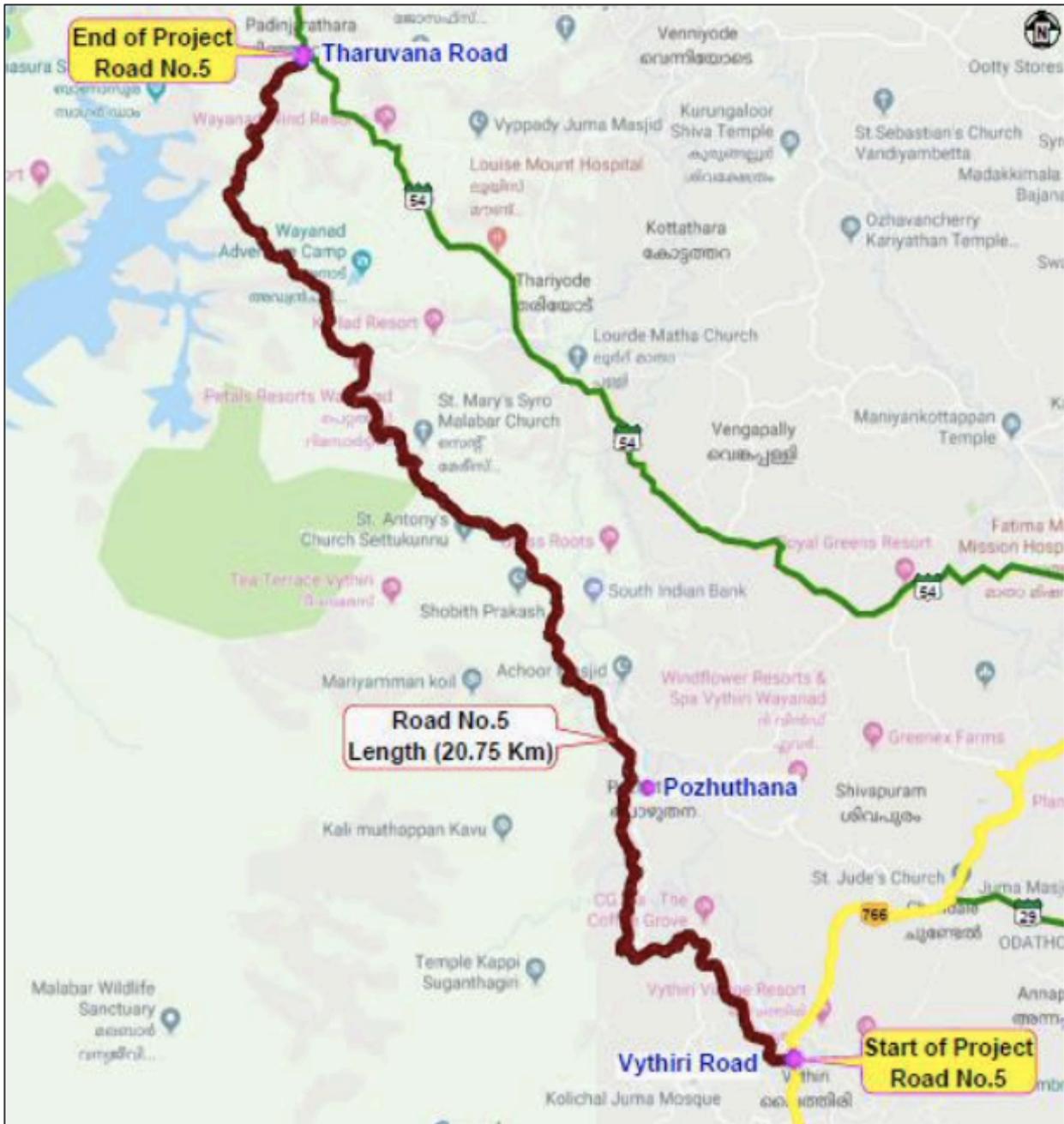
Status as on 28th Feb'2021:

Site mobilization and inventory works are in progress

Financial Progress :

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	290	20%	-	Appointed To be Notified	-	-	
Milestone II	440	55%	-		-		
Milestone III	585	75%	-		-		
Milestone IV	730	100%	-		-		

5) RKI-15: Upgrading Vythiri - Tharuvana Road



Key Project Road Map

The Site of the Project is Two Lane /Intermediate Lane Highway Road with a total length of 13.335 Km. The project road originates from Achooranam at 8+500km from Vythiri, a small town in Wayanad district and ends at the junction entering Tharuvana Road. The terrain along the stretch of the road is hilly and mountainous. The type of the existing pavement is flexible pavement. A brief description of the salient features of this corridor is given below.

Salient features:

Length of Road	:	13.335 km
Right of way average	:	11 m (Varies 8.75-15m)
Major Junction	:	2
Minor Junction	:	7
Major Bridge	:	Nil
Minor Bridge	:	2
Culverts	:	41 (Existing)
Bus Shelters	:	15
Aqueduct	:	1

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/S Midland-Royee Gowda JV	16	63.9	To be Notified

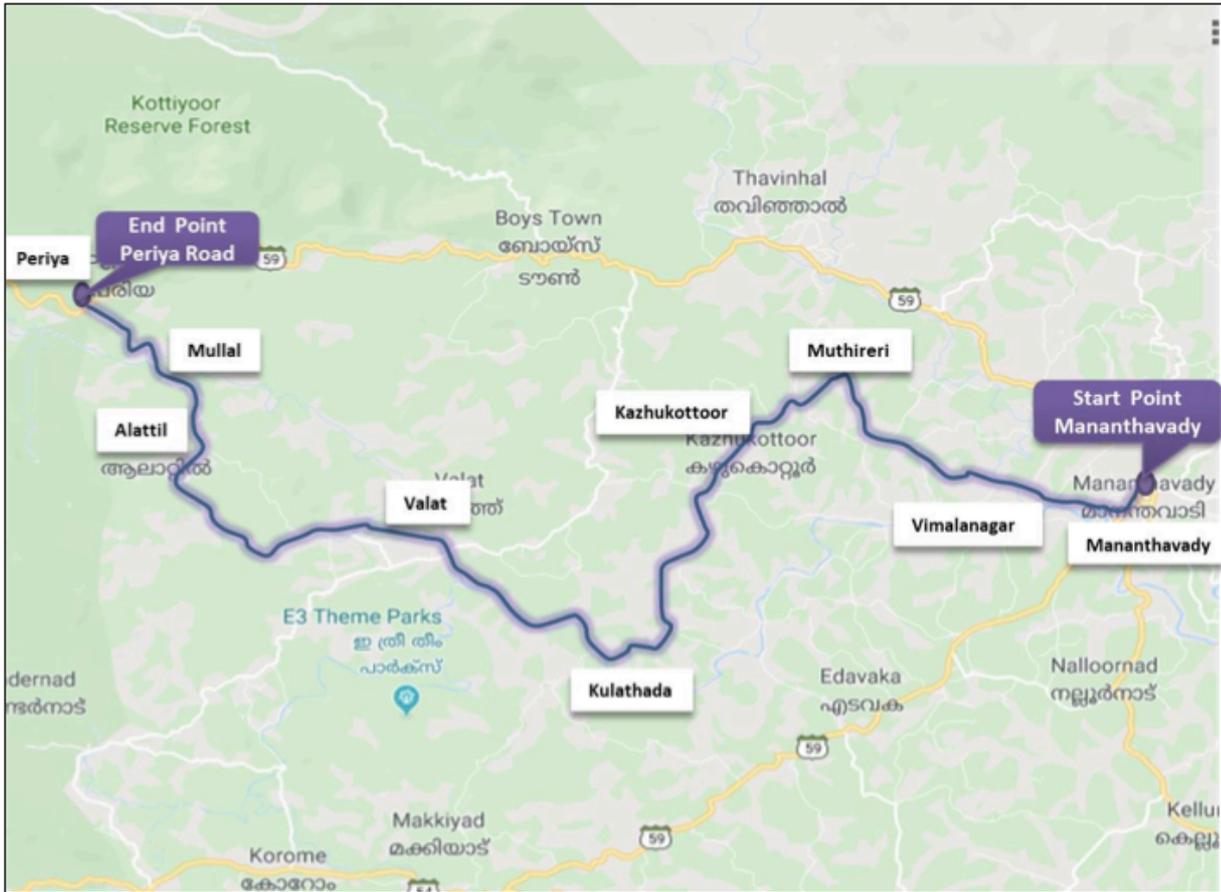
Status as on 28th Feb'2021:

Agreement to be executed

Financial Progress

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	145	20%	-	Appointed Date yet to be notified	-	-	
Milestone II	240	40%	-		-		
Milestone III	365	75%	-		-		
Milestone IV	480	100%	-		-		

6) RKI-10: Upgrading the road from Mananthavady to Periya Road of Major district road (Length of 27.30km), in Waynad district under Rebuild Kerala Initiative (RKI)



Key Project Road Map

The Site of the Project Highway comprises “Rehabilitation and Upgrading of Mananthavady to Periya Road to intermediate lane (27.30 Km) in Waynad District under Rebuild Kerala Initiative (RKI)”

Salient features of the project:

Length of Road	:	27.30 km
Right of Way		Varies 8.2m – 31.3m
Carriage way average	:	4 m (Varies 3m-5.5m)
Major Junction	:	3
Minor Junction	:	8
Major Bridge	:	Nil
Minor Bridge	:	3
Culverts	:	64
Bus Shelters	:	20

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/S ULCCS	18	107.45	29-Dec-2021

Status as on 28th Feb'2021:

Site mobilization and inventory works are in progress

Milestone Schedule :

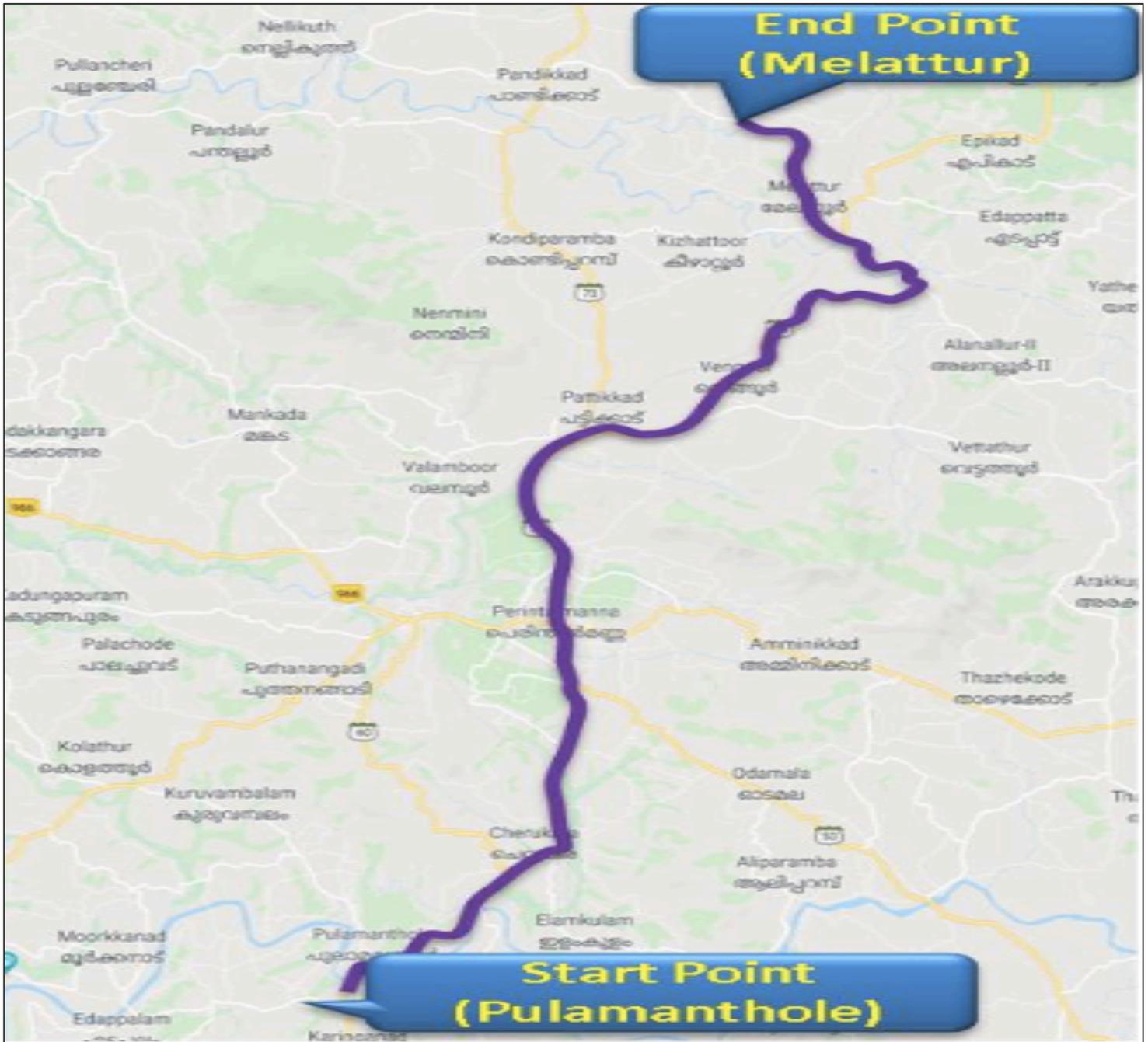
Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	220	20%	-	06-Aug-21	-	-	
Milestone II	330	55%	-	24-Nov-21	-		
Milestone III	440	75%	-	14-Mar-22	-		
Milestone IV	548	100%	-	30-Jun-22	-		

5.2. North Package 02

Table 13 Status of North package 02

Procurement Status of North Package 02 funded by World bank under EPC Mode															
S.No	Package	Road Ref No	Description	District	Length (Kms)	Duration	Maintenance Period	Tender Submission Date	Technical bid Opening	Financial Bid Opening	Agreement Date	Contract Amount in INR Crores	Appointed Date	Contractor	Status
1	Package 02	RKI-5	Perumbilavu-Nilambur Road B/W Km30/700 to 42/780 and 50/000 to 62/320 including upgradation of 53/000 to 54/000, 54/000 to 54/800 and 56/000 to 57/200.	Mallapuram	30.88	18	60	16-Jul-20	16-Jul-20	7-Sep-20	7-Oct-20	144	20-Jan-21	M/s KMC Constructions	*Plan and profile under review
2		RKI-6	Koyilandy - Edavanna road between Km 51/200 to 69/700 & Areekode - Manjeri road Km 0/000 to 13/600	Mallapuram	31.53	18	60	16-Jul-20	16-Jul-20	7-Sep-20	8-Oct-20	189.76	23-Nov-20	M/s Shreedanya Construction Company	* Plan and profile under review
3		RKI-7	Palakkad -Perinthalmanna Road (Mundur Junction to Thootha Junction of SH-53 from Km 12/800 to Km 49/600)	Palakkad	36.8	24	60	16-Jul-20	16-Jul-20	7-Sep-20	13-Nov-20	323.10	21-Jan-21	M/s KMC Constructions	* Plan and profile under review
4		RKI-8	Thavalam Mully Road CH 0/000 to 28/800	Palakkad	28.5	18	60	27-Aug-20	27-Aug-20	9-Sep-20	28-Oct-20	132.8	23-Nov-20	M/s Akshya Builder JV EKK	*Mobilization in progress
					Total Length of North Package 02 (Kms)	127.71									

1) RKI -5 : Upgrading the road Perambilavu to Nilambur section of SH-39
A key map of the project Highway is shown below.



Salient features of the project:

Length of Road	:	30.88 km
Right of way	:	Varies 9.7m- 49.8m
Carriage way average	:	Varies 5.5m-7m
Major Junction	:	5

Minor Junction	:	107
Major Bridge	:	Nil
Minor Bridge	:	5
Culverts	:	85
Bus Shelters	:	24
Railway Crossings	:	2

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/S KMC Constructions	18	144	20-Jan-2021

Status as on 28th Feb'2021:

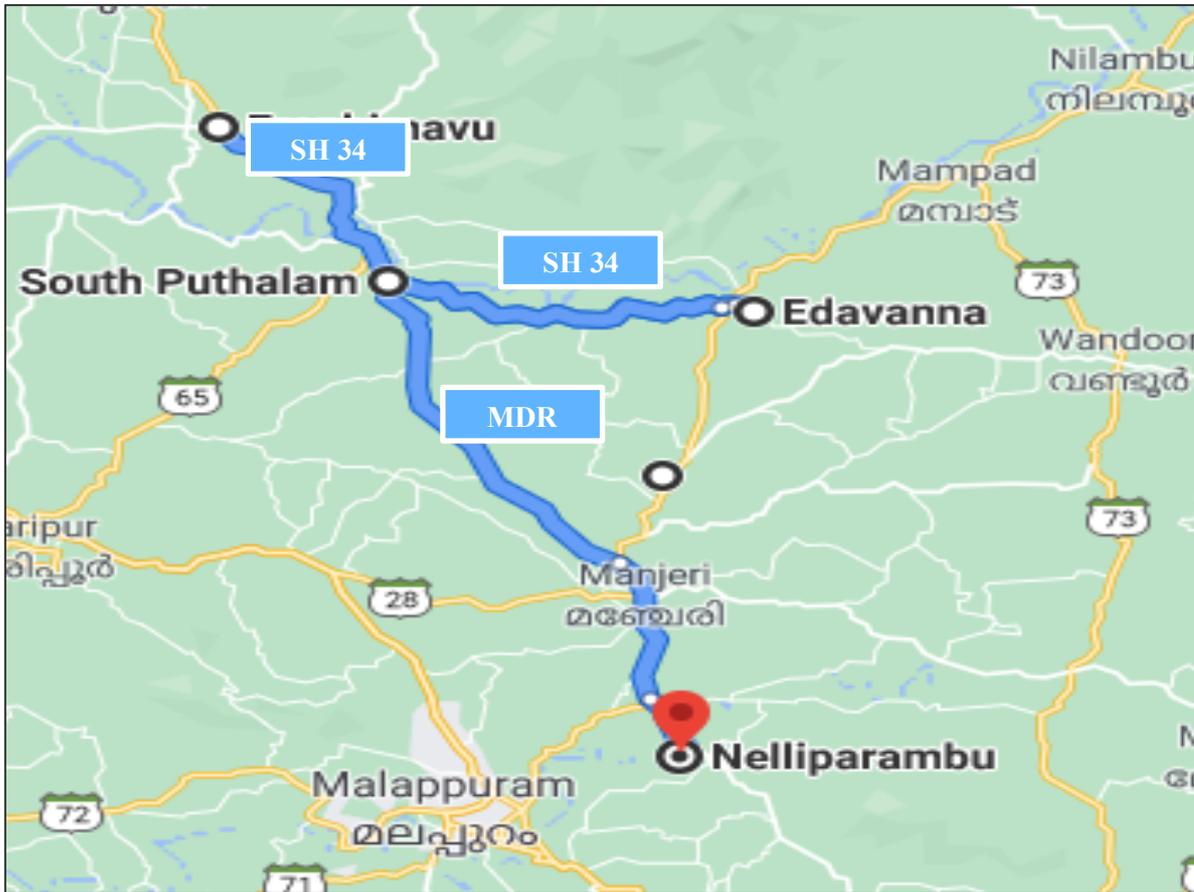
- Work Program is yet to be submitted by contractor
- Plan & Profile is under review
- Drawings of Culvert (12 Nos)/RCC drain, Retaining wall are reviewed

Milestone Schedule :

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	220	20%	-	28-Aug-21	-	-	
Milestone II	330	55%	-	16-Dec-21	-		
Milestone III	440	75%	-	05-Apr-22	-		
Milestone IV	548	100%	-	22-Jul-22	-		

2) RKI-6: Upgrading Eranhimavu to Edvanna Section of SH 34

The key map of the project Highway is shown below.



Salient features of the project:

Length of Road	:	31.53 km
Right of Way	:	Varies 10.4m – 61.7m
Carriage way	:	7 m
Major Junction	:	23
Minor Junction	:	93
Major Bridge	:	1
Minor Bridge	:	1
Culverts	:	114
Bus Shelters	:	34

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/s Sreedanya Construction Company	18	189.76	23-Nov-2020

Status as on 28th Feb'2021:

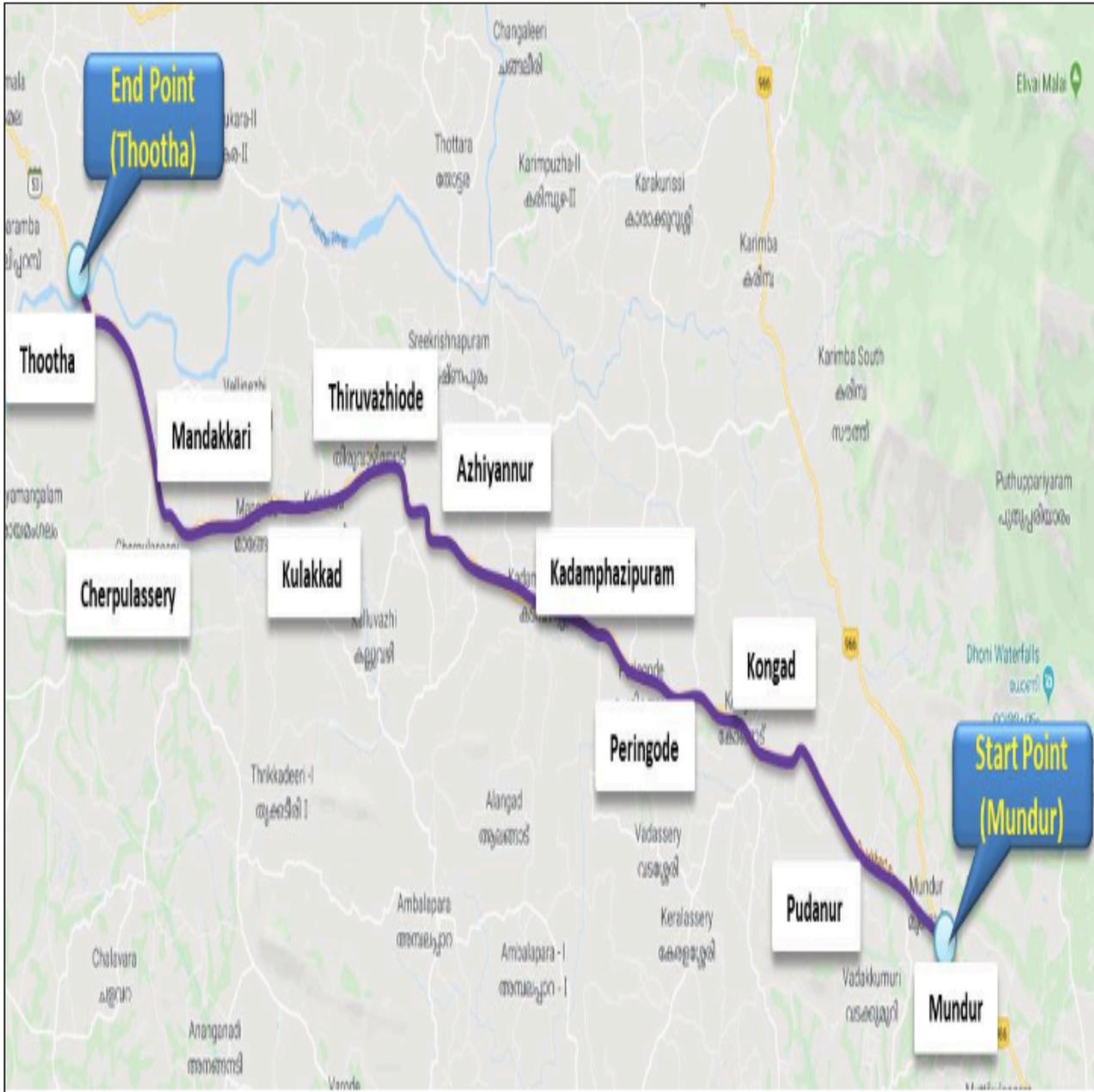
- Work Program is yet to be submitted by contractor
- Site installation works are in progress
- Plan & Profile is under review
- Culvert Drawings – 9 No approved
- Culvert construction in progress and RCC precast drain casting in progress

Milestone Schedule :

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	220	20%	-	01-Jul-21	-	-	
Milestone II	330	55%	-	19-Oct-21	-		
Milestone III	440	75%	-	06-Feb-22	-		
Milestone IV	548	100%	-	25-May-22	-		

3) RKI-7: Upgrading the section of SH 53 from Mundur Junction to Thootha Junction

A key map of the project Highway is shown below.



Salient features of the project:

Length of Road	:	36.8 km
Right of way	:	Varies 8.2m-43.7m
Carriage way average	:	7 m (Varies 4.25m-10.57m)
Major Junction	:	16
Minor Junction	:	94
Major Bridge	:	1

Minor Bridge	:	4
Culverts	:	106
Bus Shelters	:	27

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/s KMC Constructions	24	323.10	27-Jan-2021

Status as on 28th Feb'2021:

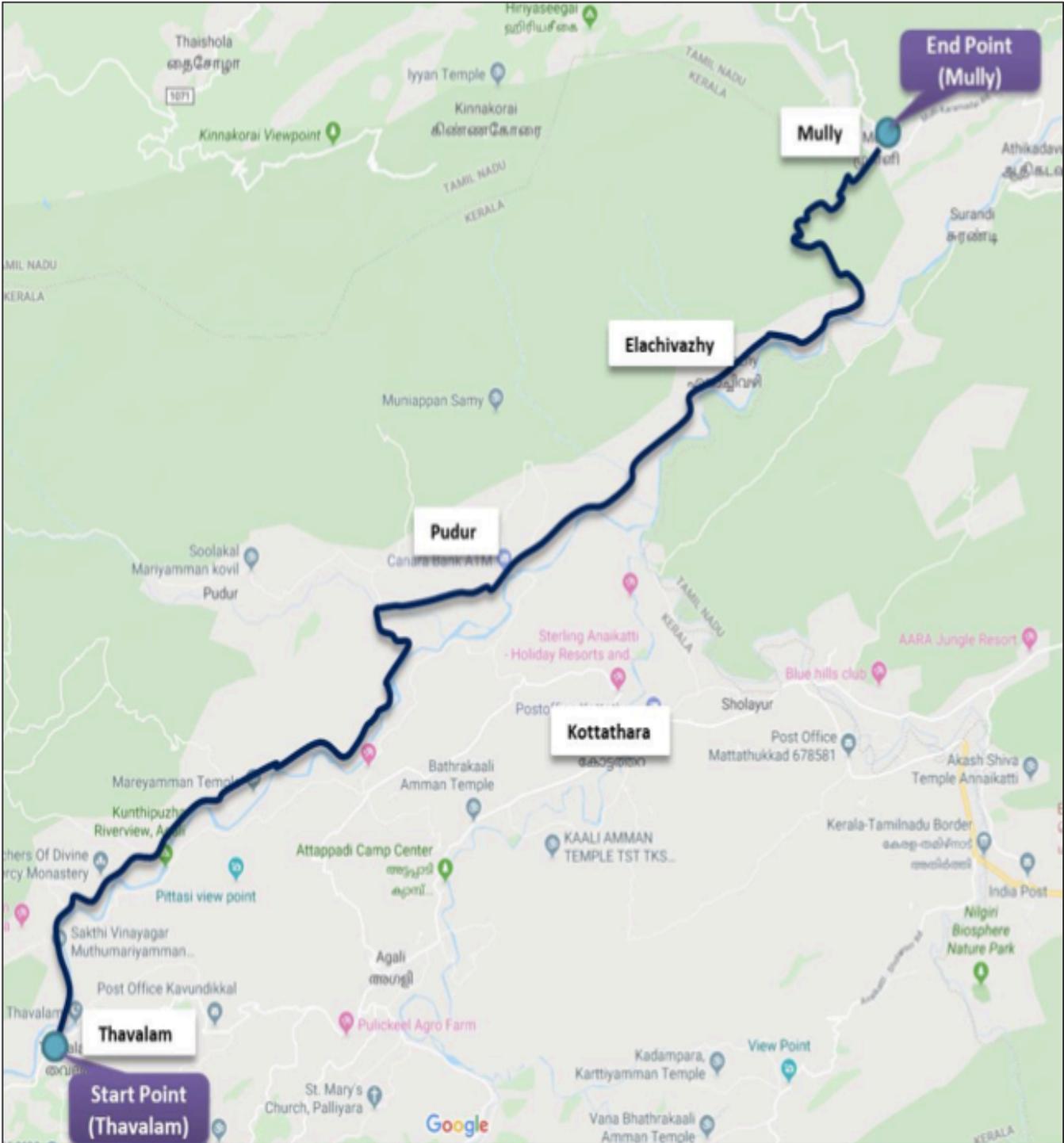
- Site mobilisation works are in progress
- Work Program is yet to be submitted by contractor
- Plan & Profile is under review
- Culvert Drawings under review

Milestone Schedule :

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	292	20%	-	15-Nov-21	-	-	
Milestone II	440	55%	-	12-Apr-22	-		
Milestone III	584	75%	-	03-Sep-22	-		
Milestone IV	731	100%	-	28-Jan-23	-		

4) RKI-8 : Upgrading of Thavalam to Mulli road to intermediate lane

A key map of the project Highway is shown below.



Salient features of the project:

Length of Road	:	28.5 km
Right of Way	:	Varies 6.6m-52.2m
Carriage way average	:	4m (Varies 3.75m-6m)

Major Junction	:	7
Minor Junction	:	39
Major Bridge	:	Nil
Minor Bridge	:	3
Culverts	:	37
Bus Shelters	:	10

Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/s Akshaya EKK JV	18	132.8	23-Nov-2020

Status as on 28th Feb'2021:

- Site mobilisation works are in progress
- Work Program is yet to be submitted by contractor
- Plan & Profile is under review
- Culvert Drawings under review

Milestone Schedule

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	220	20%	-	01-Jul-21	-	-	
Milestone II	330	55%	-	19-Oct-21	-		
Milestone III	440	75%	-	06-Feb-22	-		
Milestone IV	548	100%	-	25-May-22	-		

5.3. Central Package 03

Table 14 Central Package 03 Status

Status of Central Package 03 funded by KfW																
S.No	Package	Road Name	Road Ref No	District	Length (Kms)	Duration	Maintenance Period	Tender Submission Date	Technical bid Opening	Financial Bid Opening	LOA Issued	*Bid Price in Crs	Agreement Date	Contractor	Status	
1	Package 03	Mookannoor Ezhattumugham Rd ch 0/000 to 14/200 and Blachippara Palissery Rd ch 0/000 to 6/000	RD -1	Ernakulam	19.95	18	60	22-Oct-20	22-Oct-20	12-Jan-21	25-Feb-21	91.89	-	M/s Marymatha-Akshaya (JV)	*Draft agreement sent to KfW on 26.02.2021	
2		Kakkadassery - Kaliyar road Ch. 0/000 to 20/000	RD-02	Ernakulam	20.18	18	60	15-Mar-21	15-Mar-21	-	-	67.74	-	-	*Tendered with last date of submission of bids as on 15-03-2021	
3		Muvattupuzha - Theni SH (Ch. 0/000 to 15/750)	RD-03	Ernakulam	16.18	18	60	8-Feb-21	8-Feb-21	-	-	80.91	-	-	*Technical evaluation submitted on 17-Feb-2021	
4		Kumarakom Nedumbassery (proposed SH) from Peruva to Peruvammuzhi	RD-04	Ernakulam	21.40	18	60	26-Feb-21	26-Feb-21	-	-	96.85	-	-	*Technical bid evaluation in progress	
5		Neyyassery Thokkumbansaddle road	RD-05	Idukki	31.92	24	60	-	-	-	-	144.3	-	-	Forest land Issues	
6		Nenmara - Nelliampathy road km 0/00 to 30/714	RD-06	Palakkad	30.47	24	60	-	-	-	-	95.72	-	-	Forest land Issues	
7		Kodungallur- shornur SH (SH 22)	RD-07	Thrissur	34.35	24	60	2-Nov-20	2-Nov-20	1-Jan-21	22-Jan-21	203.22	-	-	M/s. Gawar Construction Ltd. ATCON India Ltd. (JV)	*Draft agreement sent to KfW on 09.02.2021
8		Vazhakkodu Plazhy road Km.0/000 to 22/642	RD-08	Thrissur	22.72	18	60	29-Mar-21	29-Mar-21	-	-	93.68	-	-	*Tendered with last date of submission of bids as on 29-03-2021	
9		Thrissur Kuttippuram Road (SH 69) 4 stretches (Many stretches in between in progress by other agency KIIFB)	RD-09	Thrissur	33.00	24	60	9-Mar-20	9-Mar-20	-	-	212.82	-	-	*Tender last date of submission of bids extended from 26-02-2021 to 09-03-2021	
10		Arakunnam-Amballoor-Poothatta-Piravam Road	RD-10	Ernakulam	7.98	12	60	18-Mar-21	18-Mar-21	-	-	27.94	-	-	*Tendered with last date of submission of bids as on 18-03-2021	
		Total Length of Central Package 03 (Kms)			238											
Note: Bid Price is including GST and maintenance cost for 5 years																



5.4. South Package 04

Table 15 South Package 04 Status

Status of South Package 04 funded by KfW																		
S.No	Package	Road Name	Road Ref No	District	Length (Kms)	Duration	Maintenance Period	Tender Submission Last Date	Technical bid Opening	Financial Bid Opening	TBER Submission	FBER Submission	LOA Issued	*Bid Price in Crs	Agreement Date	Contractor	Status	
1	Package 04	Gandhinagar-Medical College-Babu Chazhikadan Road- Kottayam-Parippu Road-Athirampuzha Liessue-Kaippuzha- Mannanam-Pulikkuttissery-Parolickal-Muttappally Road	Rd-1	Kottayam	20.20	18	60	18-Dec-20	18-Dec-20	11-Jan-21	24-Dec-20	20-Jan-21	25-Feb-21	121.11	-	M/s Sreedhanya Construction Company	Draft Agreement under preparation	
2		Vadayar Chandappalam- Mulakkulam Road and Vadayar Kallattippalam Muttuchira Road	Rd-2	Kottayam	22.48	18	60	29-Mar-21	29-Mar-21					-	98.96	-		* Retendered with last date of submission as 29-Mar-21
3		Pathanamthitta Ayroor-Muttukudukka illathupadi - Muttukudukka prakkanam - Parakkanam Elavumathitta - Kulanada Ramanchira - Thanikkuzhy Thonniamala	Rd-3	Pathanamthitta	28.20	18	60	18-Dec-20	18-Dec-20	21-Jan-21	29-Dec-20	2-Feb-21	25-Feb-21	107.52	-	M/s Theruvath-PRL (JV)	*Draft Agreement sent to KfW on 26.02.2021	
4		Mallapally, Komalam Paduthodu Kalloopara Chengaroor Komalam Kavungumprayar Pattakala, TMV road (Road 4)	Rd-4	Pathanamthitta	23.13	18	60	30-Nov-20	30-Nov-20	18-Jan-21	15-Dec-20	28-Jan-21	25-Feb-21	102.90	-	M/s SPL-RM JV	*Draft Agreement sent to KfW on 26.02.2021	
5		Malamekkara Kunmathukala Chala Puthenchanda factory Jn Azad Jn road 0/00 to 8/600	Rd-5	Pathanamthitta	7.87	18	60	5-Oct-20	5-Oct-20	13-Jan-21	20-Nov-20	16-Jan-21	22-Jan-21	28.80	-	M/s. KNM-EKK JV	*NO for draft agreement received on 15-Feb-2021	
6		Thiruvananthapuram Ponnudi road (From Nedumangad to Ponnudi)	Rd-6	Thiruvananthapuram	41.75	24	60							-	203.42	-	-	* Approval from RKI secretariat to tender using world bank funds. *Awaiting forest Clearance
7		Thattarambalam-Michael Junction-Kochalummood-Mangankuzhy-Pandalam	Rd-7	Allapuzha	18.66	18	60	30-Nov-20	30-Nov-20	18-Jan-21	12-Nov-20	27-Jan-20	25-Feb-21	119.13	-	M/s Begorra PRL JV	* Draft Agreement Sent to KfW on 26-02-2021	
8		Veeyapuram-Edathua-Puthukarry-Marnbuzhakkary-Kidangara-Kunnamgary-Kumarangary-Valady-Mullakarnthuruthy	Rd-8	Allapuzha	21.36	18	60	18-Dec-20	18-Dec-20	11-Jan-21	23-Dec-20	16-Jan-21	22-Jan-21	108.9	-	M/s Sreedhanya Construction Company	*Agreement to be executed	
9		Vayuttupuzha-Potheppad Road	Rd-9	Pathanamthitta	35.00	18	60	-	-	-				-	-	-	-	*DPR to be finalized
Total Length of South Package 04 (Kms)					218.64													

Note: Bid Price is including GST and maintenance cost for 5 years

5.5. Activities Completed in the month of Feb'2021

The following Table provides a brief snapshot of the bid evaluations that has been taken up and completed in the month of February 2021:

Table 16 Activities Completed in Feb'2021

Task	Description	Status
Evaluation of RD 03 (Pkg III)	<p>Rehabilitation and Up gradation of Muvattupuzha – Theni Road in Ernakulum District</p> <ul style="list-style-type: none"> Bidders for Rd-03 (Package 03) include <ol style="list-style-type: none"> M/s Marymatha Infrastructure (P) Ltd M/s Sreedhanya Construction Company 	<ul style="list-style-type: none"> Technical bid was opened on 8th Feb'2021 TBER was submitted on 17th Feb'2021
Evaluation of RD 3 (Pkg IV)	<p>Pathanamthitta Ayroor-Muttukudukka illathupadi - Muttukudukka prakkanam - Parakkanam Elavumathitta - Kulanada Ramanchira - Thanikkuzhy Thonniamala</p> <ul style="list-style-type: none"> Bidders for Rd-03 (Package 04) include <ol style="list-style-type: none"> M/s Theruvath – PRL JV M/s EKK Infrastructure Ltd M/s Sreedhanya Construction Company 	<ul style="list-style-type: none"> Financial bid was opened on 22nd Jan'2021 FBER was submitted on 2nd Feb'2021 Financial bid submitted by M/s Theruvath-PRL JV was the lowest. Letter of award was issued to M/s Theruvath PRL JV on 25th Feb'2021
PM14 Task PM14 Steering Accompanying Measures	Draft Request for Proposal(s) (RFP) for the Vulnerability Assessment Study titled “Consulting Services for Technical Assistance for Enhancing Climate Resilience of Kerala’s Road Network.”	<ul style="list-style-type: none"> Submitted on 22nd Feb'21

Source: Louis Berger Analysis

In addition to 4 packages, PMC is also providing services in reviewing the drawings and contractors’ correspondences of RKI 09 - Alapuzha-Changanassery road.

6. Conclusion

The intent of this Report has been to give a brief overview about the project along with the status of works that has been started/completed in Feb'2021.