



# GOVERNMENT OF KERALA PUBLIC WORKS DEPARTMENT



## CLIMATE-RESILIENT RECONSTRUCTION AFTER FLOODING IN KERALA

### QUARTERLY PROGRESS REPORT 01 OCT'20-DEC'20

**PROJECT MANAGEMENT TEAM**  
KERALA STATE TRANSPORT PROJECT  
T.C.11/339, SREE BALA BUILDING, KESTON ROAD, KOWDIAR P.O

Prep By :

PROJECT MANAGEMENT CONSULTANTS



**Louis Berger**

# 1. TABLE OF CONTENTS

<b>KEY DATA PAGE</b> .....	<b>2</b>
<b>1 EXECUTIVE SUMMARY</b> .....	<b>3</b>
1.1 Project Brief:.....	3
1.2 Project Scope and Mission:.....	3
1.3 Status of North Package funded by World Bank: .....	4
1.4 Status of Central and South Package.....	5
<b>2 PROJECT DESCRIPTION</b> .....	<b>6</b>
2.1 Introduction .....	6
2.2 Project Objective .....	6
2.3 Project Staffing .....	6
2.4 Project Coordination .....	7
2.5 Project Components.....	7
2.6 Supervision Consultants/ Authority’s Engineer .....	12
2.7 Target Group: .....	12
2.8 Involved Parties .....	13
2.9 Institutional setup of the Environmental, Social, Occupational Health and safety of Organization .....	15
<b>3 CONSULTANTS ACTIVITIES, STAFFING AND TIME SCHEDULE:</b> .....	<b>15</b>
3.1 Project Management Consultancy Services .....	15
3.2 Staffing, target/actual comparison, reporting + next period, remaining man-months.....	16
<b>4 PROGRESS OF SERVICES/CONSTRUCTION WORKS NORTH PACKAGE</b> .....	<b>17</b>
4.1 Procurement Status of North Package funded by World Bank .....	18
4.2 Financial Information of North Packages 01 & 02 .....	38
<b>5 PROGRESS OF SERVICES/CONSTRUCTION WORK CENTRAL &amp; SOUTH PACKAG</b> .....	<b>39</b>
5.1 Procurement status of central package 03 is shown below: .....	40
5.2 Procurement status of south package 04 is shown below: .....	46
5.3 Financial Information of Central and South Packages .....	64
<b>6. CONCLUSION</b> .....	<b>66</b>

## KEY DATA PAGE

<b>Project Title:</b>	Climate-Resilient Reconstruction after Flooding in Kerala	
<b>Project Executing Agency</b>	Public Works Department (PWD) of Government of Kerala	
<b>Project Management Unit/Implementation Agency</b>	Kerala State Transport Project (KSTP)	
<b>External Financier 01: (North 01 &amp; 02 )</b>	World Bank	
<b>External Financier 02: (Central 03 &amp; South 04)</b>	KfW (Germany)	
<b>Project Management Consultant:</b>	Louis Berger Consulting Pvt. Ltd., India JV with The Louis Berger Group, Inc., USA”	
<b>Report Title &amp; No.:</b>	Quarterly Progress Report	No: 01
<b>Report Duration:</b>	Oct-2020 – Dec-2020	

# 1 EXECUTIVE SUMMARY

## 1.1 Project Brief:

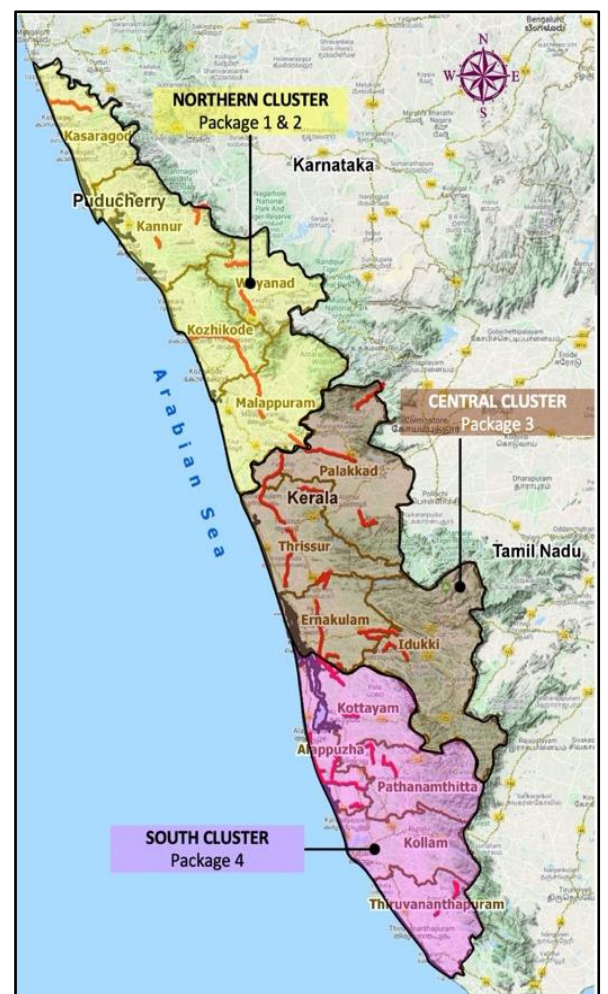
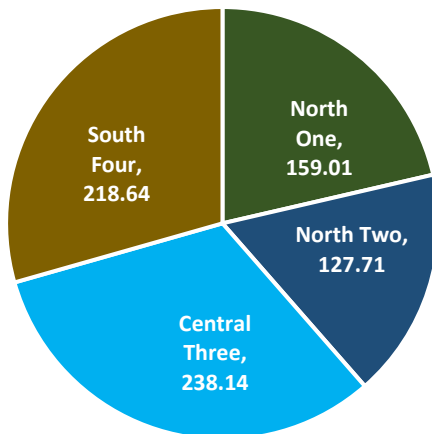
Government of Kerala started “Rebuild Kerala Development Programme: A Resilient Recovery Policy Framework and Action Plan for Shaping Kerala’s Resilient Risk-Informed Development and Recovery from 2018 Floods. The Project comprises the repair and climate-resilient reconstruction of flood damaged roads and bridges in Kerala under the responsibility of Public Works Department (PWD) of Government of Kerala. It is with this background, that the Kerala State Transport Project (KSTP), a wing of 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.

## 1.2 Project Scope and Mission:

The Scope includes 743.5 Kms of flood ravaged road infrastructure which includes nearly 13 districts of the State and is clustered as North 01 & 02, Central and South.

The Project is financed through the Government of Kerala, the KfW Development Bank (Central and South Clusters) and the Kerala State Budget (through the World Bank’s Development Policy Loan) (North Clusters).

During the Bid Tendering Stage for the Authority’s Engineer for the Northern Clusters, it was observed that one of the roads in Package Two (DPR by LNTIEL) road ref no RKI-10 was located in Wayanad District and geographically away/ distant from the other roads in the Package which were located in Malappuram and Palakkad Districts respectively. Thus, with reference to the Request for Proposal’s floated for the Authority’s Engineer 1 and 2, RKI-10 was shifted to Package One

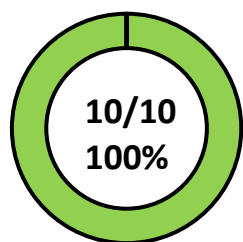




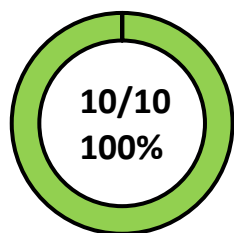
### 1.3 Status of North Package funded by World Bank:

No.	Description	Districts	No of Roads (Nos)	Cumulative (Kms)	Contract Awarded Cost	Source of Funds	Status
1	North Package 01	Kannur, Kasaragod, Kozhikode, Wayanad	6	159.01	₹797.03	World Bank	Procurement process of 6 No of roads completed LOA issued for 4 No of roads LOA to be issued for balance 2 no of roads
2	North Package 02	Malapuram, Palakkad	4	127.71	₹789.67	World Bank	Procurement process of 4 no of roads completed. Mobilization of contractor's manpower in progress
<b>Total</b>		<b>6</b>	<b>10</b>	<b>286.72</b>	<b>₹1586.73</b>		

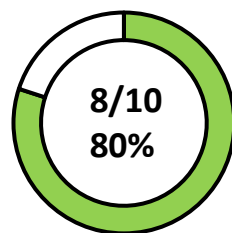
Overall percentage progress of North package 01 & 02 is shown in the below chart



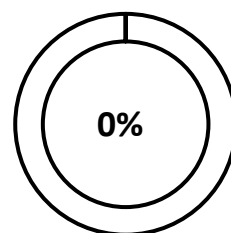
Tender Published



Tender Opened



Contract Awarded



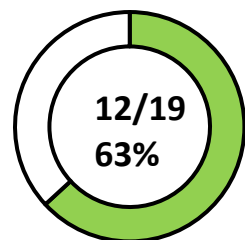
Construction Progress

## 1.4 Status of Central and South Package

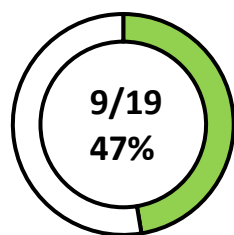
No	Description	Districts	No of Roads (Nos)	Cumulative (Kms)	Est. Cost in INR Crores (“ * “)	Source of Funds	Status
1	Central Package 03	Ernakulam, Idukki, Thrissur	10	238.14	₹1121.91	KfW	<ul style="list-style-type: none"> <li>Procurement process of 5 roads in progress</li> <li>Finalization of DPR of 5 roads in progress</li> </ul>
2	South Package 04	Alappuzha, Kottayam, Pathanamthitta, Thiruvananthapuram	9	218.64	₹886.36	KfW	<ul style="list-style-type: none"> <li>Procurement process of 7 roads has been started</li> <li>Finalization of DPR of 2 roads in progress</li> </ul>
<b>Total</b>		<b>7</b>	<b>19</b>	<b>456.78</b>	<b>₹2008.27</b>		

\* Estimated contract amount has been taken from FDPRs with the following consideration: Inclusion of Civil Construction Works with GST @ 12%, Utility Shifting Cost, Compensatory Plantation, Social Awareness Program. Excludes Maintenance and GST on Maintenance. Subject to change post signing of Letter of Award and finalization of Contract amount.

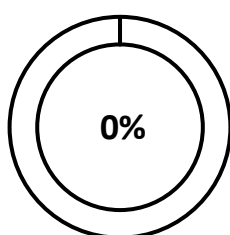
Overall percentage progress of Central and South package is shown in the below chart



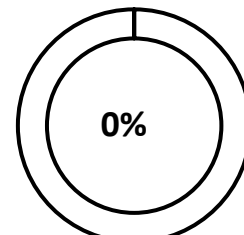
Tender Published



Tender Opened



Contract Awarded



Construction Progress

## 2 PROJECT DESCRIPTION

### 2.1 Introduction

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), a wing of PWD of the Government of Kerala, and hereafter referred to as the project management unit/Implementation unit, was tasked with the development of a more sustainable and climate resilient reconstruction of flood damaged roads and bridges in Kerala.

### 2.2 Project Objective

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

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 a grant 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.

### 2.3 Project Staffing

KSTP is managed by a Project Director, in the Rank of a senior level Chief Engineer assisted by one Chief Engineer, a Superintending Engineer and other engineers and officers. The Technical Wing headed by the Chief Engineer is responsible for activities related to engineering, environment, social and contract management. Further, the legal contract management cell is headed by a legal professional. KSTP has qualified and experienced Social and Environmental Experts and a Project Consultant. The Finance Wing headed by a Finance Controller (deputed from the Secretariat) has a qualified Finance Manager with support staff. On the field, the KSTP has Superintending Engineers, Executive Engineer to monitor project progress.

## 2.4 Project Coordination

Govt. of Kerala has established two committees to monitor, coordinate, and expedite project activities. The Project Steering Committee chaired by the Chief Secretary, has its main functions to review and approval of recommendations regarding acceptance of tenders and taking the final decisions on all matters concerning procurement and monitoring of project activities. The members of the committee are Principal Secretary (Finance), Secretaries to Government, PWD, Law Department, Revenue, Chief Engineer, R&B, Project Director, KSTP, Chief Engineer (Projects) KSTP. The second is an Evaluation Committee headed by the Principal Secretary PWD and comprising the Project Director, KSTP and Chief Engineer (Projects), to make recommendations on any issues on procurement as may require approval of the Steering Committee.

## 2.5 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



## North Cluster Package 01

Financed by the World Bank, under Engineering, Procurement and Construction (EPC) Mode

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. Koyilandy to Poonoor: 2. Poonoor- Omassery 3. 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

\*Revised as per Contract Agreement

Source: Government of Kerala

## North Cluster Package 02

Financed by the World Bank, under Engineering, Procurement and Construction (EPC) Mode,

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
<b>Total Length of Roads (Kms)</b>					<b>127.71</b>

Source: Government of Kerala

## Central Cluster Package 03

Financed by the KfW Development Bank, under Item Rate Contract Mode

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 - Nelliampathy 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
<b>Total Length of Roads (Kms)</b>					<b>238.14</b>

Source: Government of Kerala

### South Cluster Package 03

Financed by the KfW Development Bank, under Item Rate Contract Mode,

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	Thattararnbalam-Michael Junction-Kochalummood-Mangankuzhy-Pandalam	18.66
8	Rd-8	Alappuzha	MDR	Veeyapuram-Edathua-Puthukarry-Marnbuzhakkary-Kidangara- Kunnamgary-Kumarangary-Valady-Mullakarnthuruthy	21.45
9	Rd-9	Pathanamthitta	MDR	Vayuttupuzha-Potheppad Road	35
<b>Total Length of Roads (Kms)</b>					<b>218.64</b>

Source: Government of Kerala

## 2.6 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:

No	Contract Name	Length (km)	Status
1	Consulting Services for Construction Supervision for Climate Resilient Reconstruction after Flooding in Kerala	380.13	Procurement for Lot 01(Central package) & 02 (South package) is in progress
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 (Package – 1) under Rebuild Kerala Initiative' on EPC.	159.01	1) Financial bid evaluation has been completed on 28th Oct'20 and M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd has been selected as successful Bidder 2) LOA to be Issued
3	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 (Package -2) under Rebuild Kerala Initiative'	127.71	1) M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd has been selected as AE 01 2) Agreement was executed on 27th Oct'2020

## 2.7 Target Group:

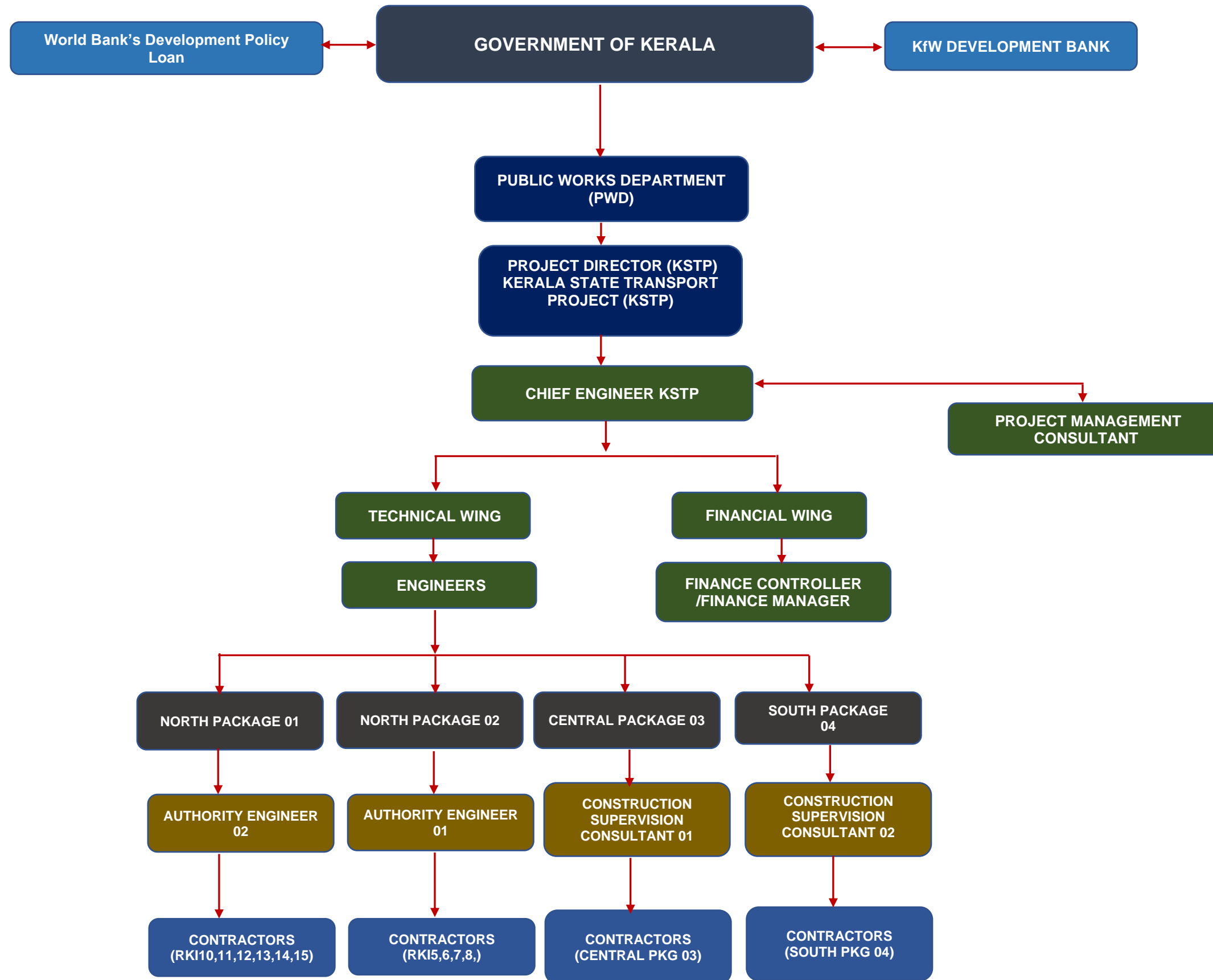
The main beneficiaries of the Project will be the users living along the Project corridors mainly the pedestrians, motorists, agricultural and industrial producers, consumers, and the local community. The main benefits under this implementation is to reduce human and financial losses during natural disasters like flood and also to reduce the transport bottlenecks, lower passenger freight transport costs, reduced travel time, and improved road safety in terms of reducing severe crashes and injury.



## 2.8 Involved Parties

Project Execution Agency (PEA)	PWD of Government of Kerala
Project Management Unit (PMU)/Implementation Unit	Kerala State Transport Project (KSTP)
External Financier 01	World Bank
External Financier 02	KfW
Project Management Consultant	M/s Louis Berger Consulting Pvt. Ltd
Contractors North Packages	<p><b>North Package 01</b></p> <ul style="list-style-type: none"> <li>▪ RKI 10 - M/s ULCCS</li> <li>▪ RKI 11 - M/s RDS Project Ltd</li> <li>▪ RKI 12 - M/s EPIL</li> <li>▪ RKI 13 - M/s RDS Project Ltd 5) RKI 14 – TO</li> </ul> <p><b>North Package 02</b></p> <ul style="list-style-type: none"> <li>▪ 1) RKI 05 - M/s KMC Constructions Ltd.</li> <li>▪ 2) RKI 06 - M/s Sreedhanya Construction company</li> <li>▪ 3) RKI 07 - M/s KMC Constructions Ltd.</li> <li>▪ 4) RKI 08 - M/s Akshaya-EKK(JV)</li> </ul>
Authority Engineer (North Package 01 & 02)	<p><b>AE 01 (Package 02)</b> M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd</p> <p><b>AE 02 (Package 01)</b> M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd</p>
Central & South Packages	Tenders to be awarded
Supervision Consultant (Central and South Package)	To be Appointed

Project Organization Chart



## 2.9 Institutional setup of the Environmental, Social, Occupational Health and safety of Organization

An Environmental and Social Management Cell (the “ESMC”) has been established within the PWD with competent, experienced and qualified staffed in sufficient numbers. Sociologist has been appointed in PMT KSTP/ in all field divisions of KSTP. Environmental/Social experts have been mobilized with all the Contractors,PMC,AE etc.

## 3 CONSULTANTS ACTIVITIES, STAFFING AND TIME SCHEDULE:

KSTP has appointed M/s Louis Berger Consulting Pvt. Ltd. to provide Project Management Services for the twenty-nine road contracts, as well as the Authority’s Engineer/ Supervision Consultant contracts (the Project). The Contract Agreement for this assignment was signed on the 14th of August 2020, with Commencement of Services dated the 18th of August 2020. The duration of the Contract is 42 months, which is split up as 30 months for construction of roads and 12 months as the Defect Liability Period (DLP).

### 3.1 Project Management Consultancy Services

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

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

From the day of commencement of services dated 18th Aug’2020, PMC submitted the monthly deliverables as per TOR and has been performing bid evaluations of North package 01 & 02, Central package 03 and South Package 04.

### 3.2 Staffing, target/actual comparison, reporting + next period, remaining man-months

The PMC Project Team led by Mr.Mohan K. Krishnan Poduval will be supported by Louis Berger's Management, Key Project Staff and Support Staff. Mobilization status of staff is illustrated in the below table

No	Position	Name	Date of Joining	Date of Leaving	Total Planned Man months	Utilized Man months	Balance Man months
<b>Key Experts</b>							
1	Team Leader	Mohan K. Krishnan Poduval	18-Aug-2020	-	33	4.44	28.56
2	Senior Cost Surveyor	Shalini Thomas	20-Aug-2020	-	30	4.37	25.63
3	Contract/Procurement Expert	Sanjeev Agarwal	18-Aug-20	08-Sep-2020	33	0.69	32.31
4	Environmental & Social Specialist	AM Reddy	29-Oct-2020	-	30	2.07	27.93
5	Community Liasoning Officer	Dilkush K	16-Sep-2020	-	30	3.48	26.52
<b>Non-Key Expert</b>							
6	Planning Engineer	Amrutha	18-Aug-2020	07-Nov-2020	30	2.66	25.60
		Y. Srikanth	8-Nov-2020	-		1.74	
<b>Supporting Staff</b>							
7	Document Controller	Kishore Nair	24-Sep-2020	-	30	3.22	26.78
8	Accountant	Balu V	23-Nov-2020	-	30	1.25	28.75

#### **4 PROGRESS OF SERVICES/CONSTRUCTION WORKS NORTH PACKAGE**



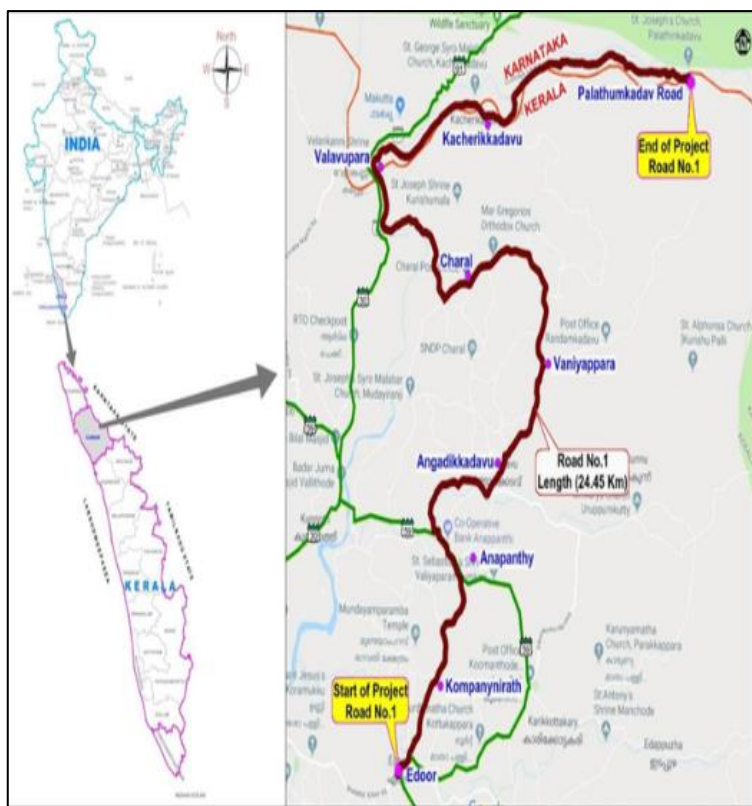
#### 4.1 Procurement Status of North Package funded by World Bank

Procurement Status of North Package 01 & 02 funded by World bank under EPC Mode Dec'20															
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	TBN	M/s ULCCS	*Inventory Survey 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	TBN	M/s RDS Projects	*Inventory Survey in Progress
3		RKI-12	Uruvachal Manakkayi valayal (including bridge parellel 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	Kumbla- 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	*Inventory Survey 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		221.065	TBN		* Under Steering Committee Review *LOA to be Issued
6		RKI-15	Vythiri-Tharuvana road	Wayanad	13.335	16	60	27-Oct-20	27-Oct-20	10-Nov-20		63.9	TBN		* Under Steering Committee Review *LOA to be Issued
7	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	TBN	M/s KMC Constructions	*Plan and profile under review
8		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
9		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	TBN	M/s KMC Constructions	* Plan and profile under review
10		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
<b>Total Length of North Package 1 &amp; 2 (Kms)</b>					<b>286.715</b>										

## North Package 01 :

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

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



This stretch of length 24.45 Kms starts at Edoor, a small town in Kannur district. The alignment passes through Companynirath, 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 31st Dec'2020:**

Site installation works and mobilization 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	180	20%	-	19-Jun-2021	-	-	
Milestone II	330	55%	-	16-Nov-2021	-		
Milestone III	440	75%	-	06-Mar-2022	-		
Milestone IV	548	100%	-	22-Jun-2022	-		

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

**Procurement Phase :**

The DPR of RKI-12 Uruvachal Maruthaayi road was prepared by M/s Feedback Infrastructure Service Pvt.Ltd. The Bid process was done under NCP, Single Stage, and Two-envelope Bidding Process using E-procurement.

Two Bids were received as below:

S.No	Name of Bidder	Nationality	Remarks
1	M/s RDS Projects Ltd	Indian	Single Company
2	M/s Engineering Projects (India) Ltd.	Indian	Single Company (Govt of India Undertaking)

**Technical Bid Evaluation:**

Technical bids are opened on 12th Oct'2020. The evaluation committee reviewed the technical bid and has recommended M/s. RDS Project Ltd. and M/s Engineering Projects (India) Ltd as technically responsive for opening of their price bid.

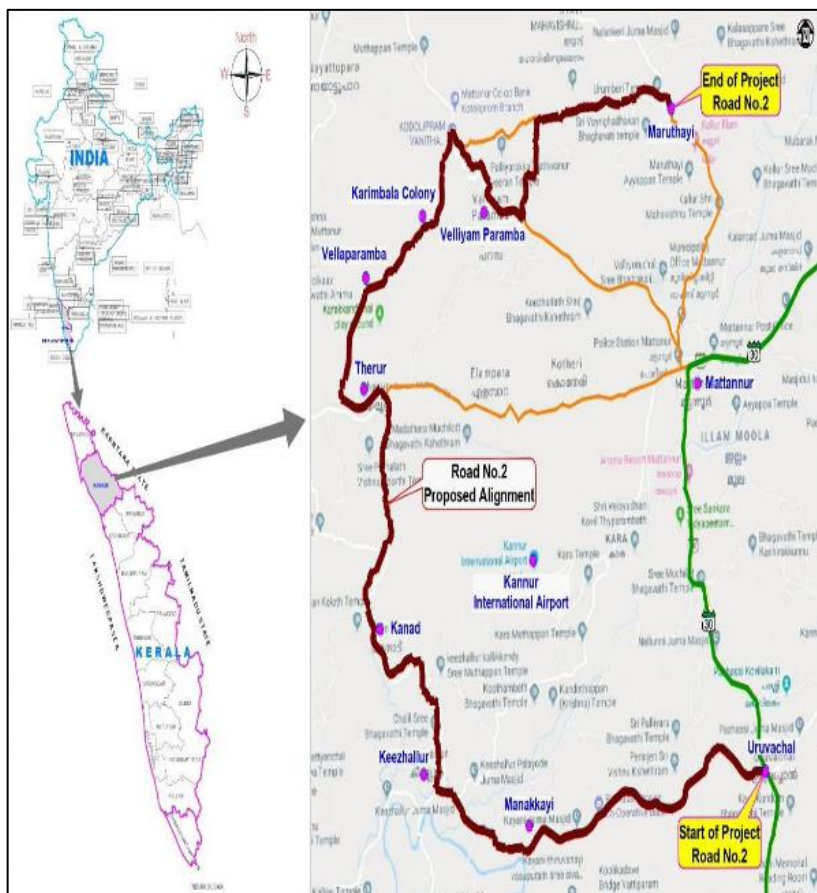
**Financial Bid Evaluation:**

Financial Bids are opened 23rd Oct'2020. The price quoted by M/s Engineering Projects (India) Ltd., INR 100.426Cr, which is 4.27% more than the estimated cost of Rs.96.311 Cr. Since the bid price is quite

competitive which is only 4.27% higher than the tender value, evaluation committee recommended to award the contract to M/s Engineering Projects (India) Ltd.

Contract agreement with M/s Engineering Projects (India) Ltd was signed on 14-Dec-2020

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



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) Vallaparamba- Karimbala Colony- Kodolipram (Km 12+280 to 15+850- 3.57km), Cholakari- 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 of Works :

Inventory Survey 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	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

#### Procurement Phase:

The DPR of RKI-13 Kumbala- Badiadka-Mulleria Road was prepared by M/s Feedback Infrastructure Service Pvt.Ltd. The Bid process was done under NCP, Single Stage, and Two-envelope Bidding Process using E-procurement.

Two Bids were received as below:

S.No	Name of Bidder	Nationality	Remarks
1	M/s RDS Projects Ltd	Indian	Single Company
2	M/s Eagle India Infra Ltd.	Indian	Single Company

#### Technical Bid Evaluation:

Technical bids are opened on 9th Oct'2020.



The Evaluation Committee reviewed the technical bid and found that the Technical Proposal submitted by M/s RDS Project Ltd., is substantially responsive.

The Evaluation Committee has found the Technical bid of M/s Eagle India Infra Ltd does not meet the minimum experience of completed projects nor the Specific Experience of various items of work namely BC, DBM, WMM and RCC.

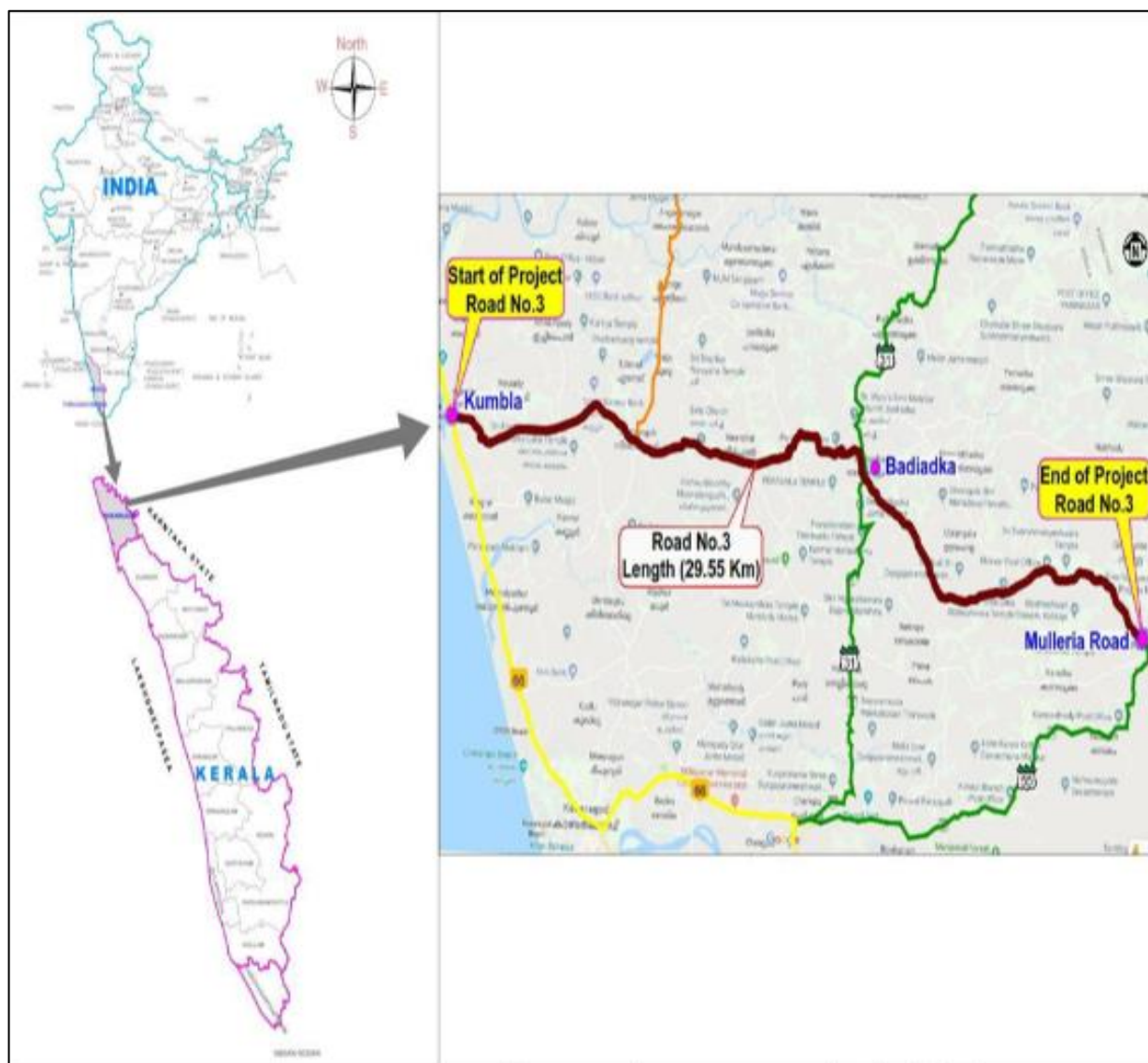
The committee recommended M/s. RDS Project Ltd.as technically responsive for opening of their price bid.

### Financial Bid Evaluation:

Financial Bid was opened on 21st Oct'2020.The price quoted by M/s. RDS Project Ltd. is Rs.158.85 Cr, which is 4.67% more than the estimated cost of Rs.151.74 Cr. Since the bid price is quite competitive which is only 4.67% higher than the tender value, evaluation committee recommended to award the contract to M/s. RDS Project Ltd.

LOA was issued by KSTP and agreement was signed with M/S RDS Project Ltd. On 14th Dec'202

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



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 Kumbia, a small coastaltown 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	To be Notified

### Status of Works:

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	218	20%	-	Appointed Date yet to be notified	-	-	
Milestone II	440	55%	-		-		
Milestone III	585	75%	-		-		
Milestone IV	720	100%	-		-		

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

##### Procurement Phase:

The DPR of RKI-14 Koyilandy –Thamarassery – Mukkam – Areekode Eranhimavu Road was prepared by M/s Feedback Infrastructure Service Pvt.Ltd. The Bid process was done under NCP, Single Stage, and Two-envelope Bidding Process using E-procurement.

Five Bids were received for this package from Bidders as per table below

S.No	Name of Bidder	Nationality	Remarks
1	M/s Sreedhanya Construction Company	Indian	Single Company
2	M/s Cherian Varkey Construction Co.[P] Ltd	Indian	Single Company
3	M/s Engineering Projects (India) Ltd	Indian	Single Company (Govt of India Undertaking)
4	M/s Uralunkal Labour Contract Co-operative Society Ltd.	Indian	Single Company

##### Technical Bid Evaluation:

Technical Bids are opened on 27th Oct'2020.

The Evaluation Committee reviewed the technical bid and found that the Technical Proposals submitted by M/s. Sreedhanya Construction Company and M/s. Cherian Varkey Construction Co. (P) Ltd. are substantially responsive.

The Evaluation Committee has declared M/s. Engineering Projects (India) Ltd and M/s Uralunkal Labour Contract Co-operative Society Ltd have not complied with requirements and have just placed undertaking which is not acceptable.

Committee recommended the following bids as technically responsive for opening of their price bid.

- 1) M/s Sreedhanya Construction Company
- 2) M/s. Cherian Varkey Construction Co. (P) Ltd

##### Financial Bid Evaluation:

Financial Bids are opened on 12th Nov'2020.

Price quoted by the recommended bidder, M/s. Sreedhanya Construction Company, INR 221.065Cr, which is 4.20% more than the estimated cost of Rs.212.14 Cr. Since the bid price is quite competitive which is only 4.20% higher than the tender value, evaluation committee recommended to award the contract to M/s. Sreedhanya Construction Company.

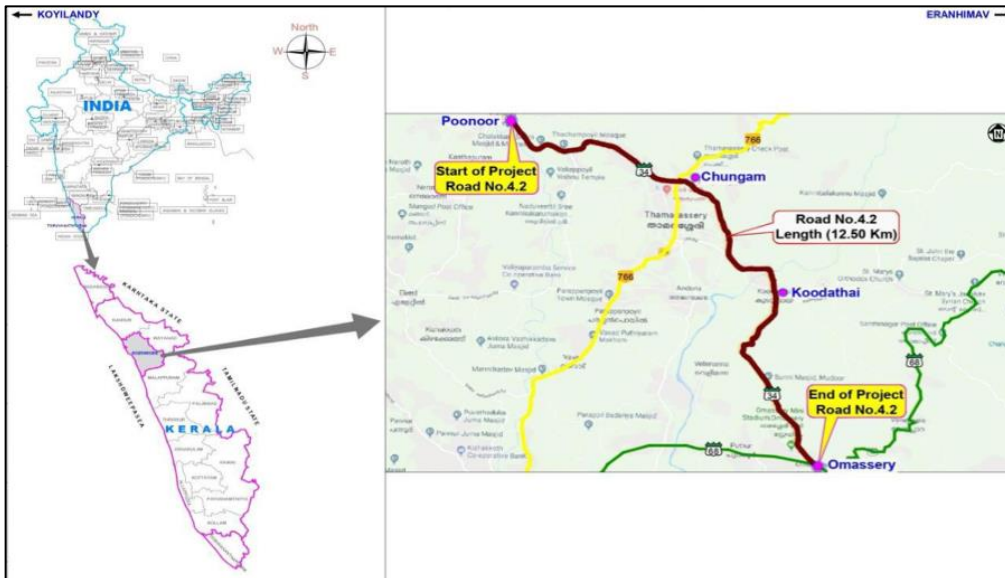
KSTP has sent the file to steering committee review as the price is exceeding the sanction amount.

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

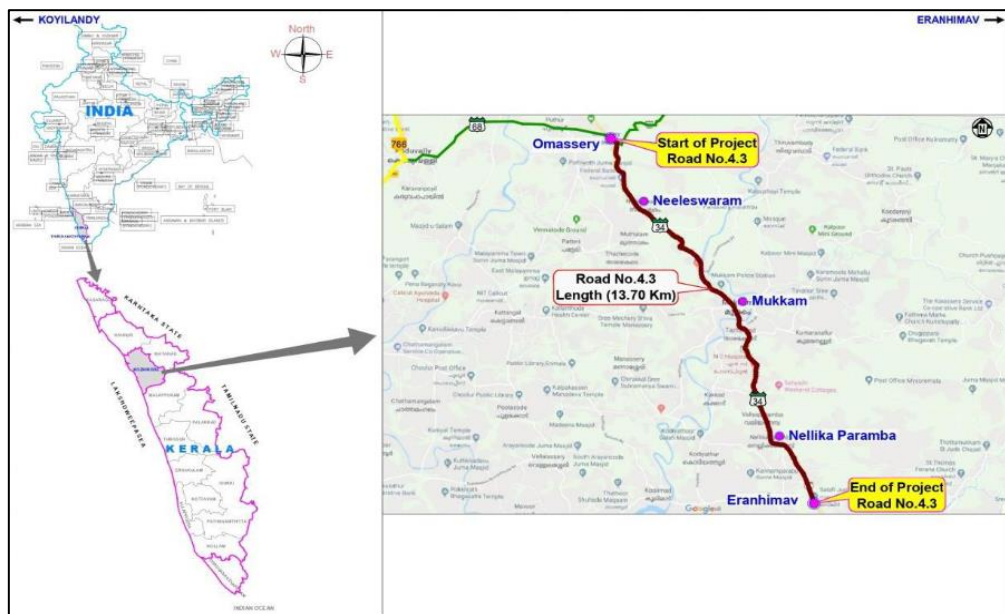
### Location of Map Showing i) Koyilandy to Ponnor



### Location of Map Showing ii) Ponnor - Omassery



### Location of Map Showing iii) Omassery to Eranhmiv



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

**5) RKI-15: Upgrading Vythiri - Tharuvana Road**

The DPR of RKI-15 Road was prepared by M/s Feedback Infrastructure Service Pvt.Ltd. The Bid process was done under NCP, Single Stage, and Two-envelope Bidding Process using E-procurement.

Four Bids were received for this package from Bidders as per table below

S.No	Name of Bidder	Nationality	Remarks
1	M/s Malabar Tech	Indian	Single Company
2	M/s. Midland Engineering & Contracting Company JV M/s. Rayee Gowda Construction Company	Indian	Joint Venture
3	M/s. PMR Construction Company	Indian	Single Company
4	M/s Uralunkal Labour Contract Co-operative Society Ltd.	Indian	Single Company



## Technical Bid Evaluation:

Technical Bids are opened on 27th Oct'2020.

The Evaluation Committee reviewed the technical bid and found that the Technical Proposals submitted by the above 4 bidders are substantially responsive.

The Evaluation Committee recommends the following bids as technically responsive for opening of their price bid.

- 1) M/s Malabar Tech
- 2) M/s. Midland Engineering & Contracting Company JV M/s. Rayee Gowda Construction Company
- 3) M/s. PMR Construction Company
- 4) M/s Uralunkal Labour Contract Co-operative Society Ltd.

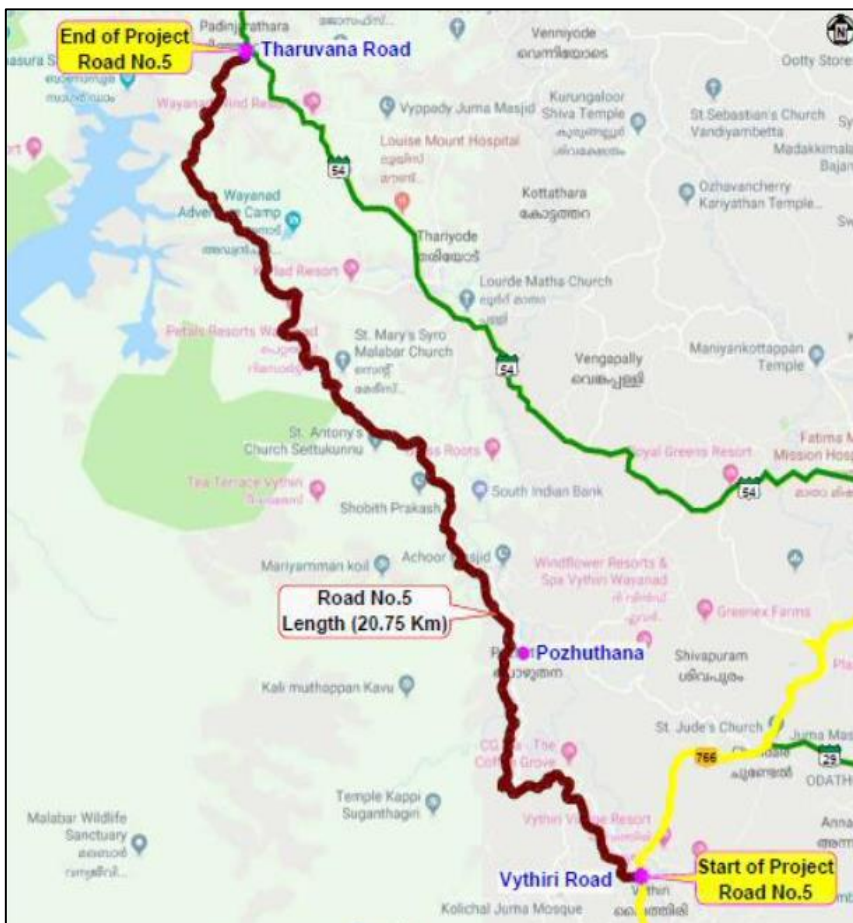
## Financial Bid Evaluation:

Financial Bids are opened on 10th Nov'2020.

Price quoted by the recommended bidder, M/s. Midland Engineering & Contracting Co. JV M/s. Rayee Gowda Construction Co., INR 63.90 Cr, which is 4.50% more than the estimated cost of Rs. 61.15 Cr. . Since the bid price is quite competitive which is only 4.20% higher than the tender value, evaluation committee recommended to award the contract to M/s. Midland Engineering & Contracting Co. JV M/s. Rayee Gowda Construction Co

LOA to be issued

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



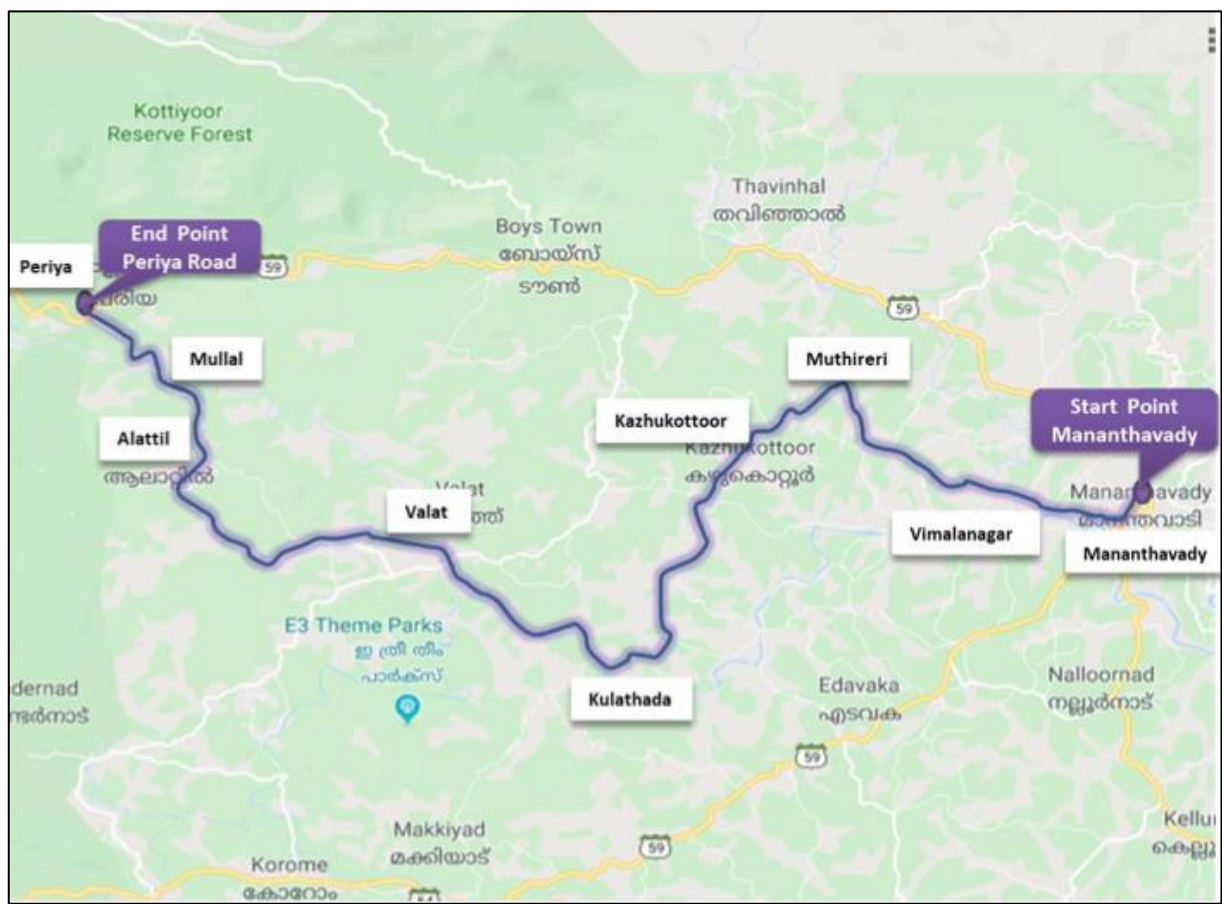
The Site of the Project is Two Lane /Intermediate Lane Highway Road with a total length of 21.84 Km. The project road originates from Achooranam at 8+500km from Vythiri, a small town in Wayanad district and ends at the junction entering Tharuvana Road. The terrain along the stretch of the road is hilly and mountainous. The type of the existing pavement is flexible pavement.

**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

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

A key map of the project Highway is shown below.



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:**

Length of Road	:	27.30 km
Carriage way average	:	4 m (Varies 3m-5.5m)
Major Junction	:	3
Minor Junction	:	8
Major Bridge	:	Nil
Minor Bridge	:	3
Culverts	:	64 (Existing)
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 31st Dec'2020:**

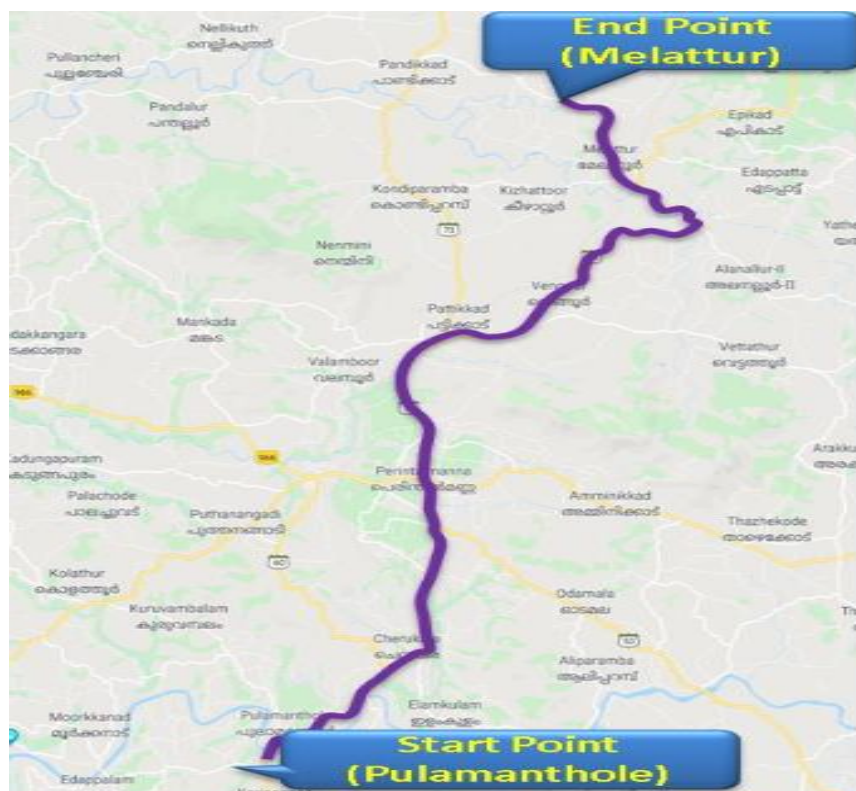
Site installation works and mobilization in progress

**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	-		

## 7) RKI -5 : Upgrading the road Perambilavu to Nilambur section of SH-39

A key map of the project Highway is shown below.



### Salient features:

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	To be notified



**Status as on 31st Dec'2020:**

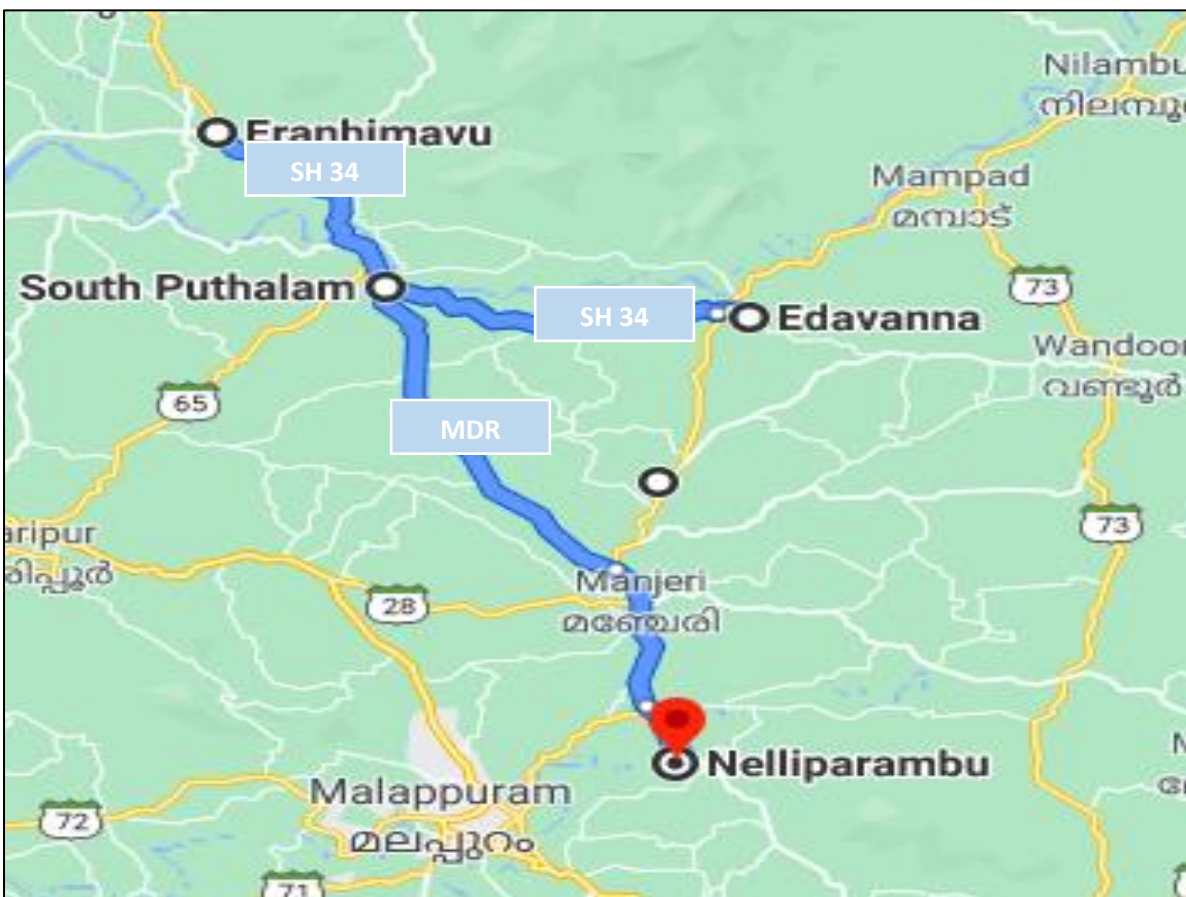
Inventory Survey in progress

**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%	-	Appointed date to be notified	-	-	
Milestone II	330	55%	-		-		
Milestone III	440	75%	-		-		
Milestone IV	548	100%	-		-		

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

The key map of the project Highway is shown below.



**Salient features:**

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 31st Dec'2020:**

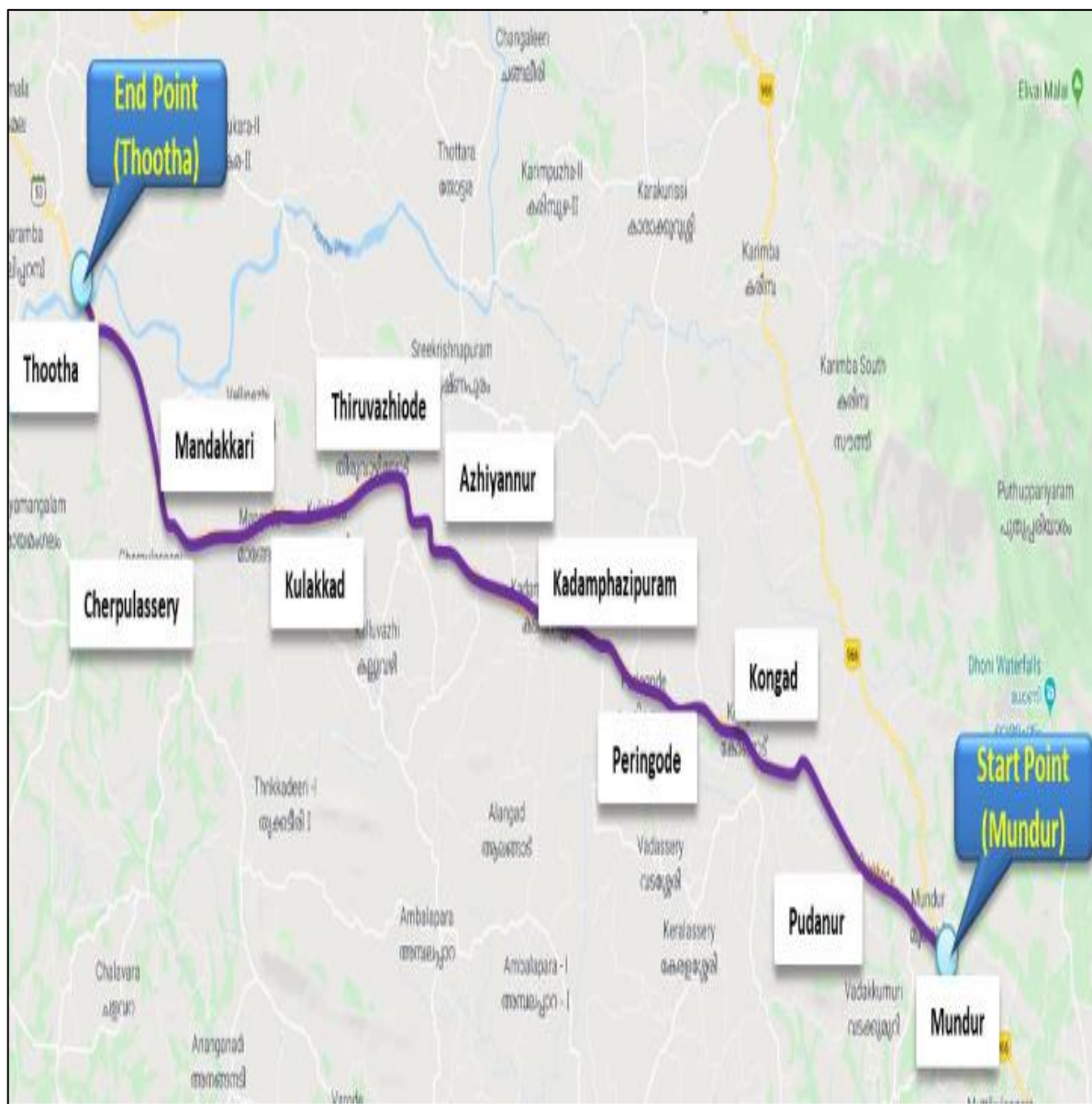
- Site installation works are in progress

**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%	-	01-Jul-21	-	-	
Milestone II	330	55%	-	19-Oct-21	-		
Milestone III	440	75%	-	06-Feb-22	-		
Milestone IV	548	100%	-	25-May-22	-		

## 9) 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:

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	To be notified

**Status as on 31st Dec'2020:**

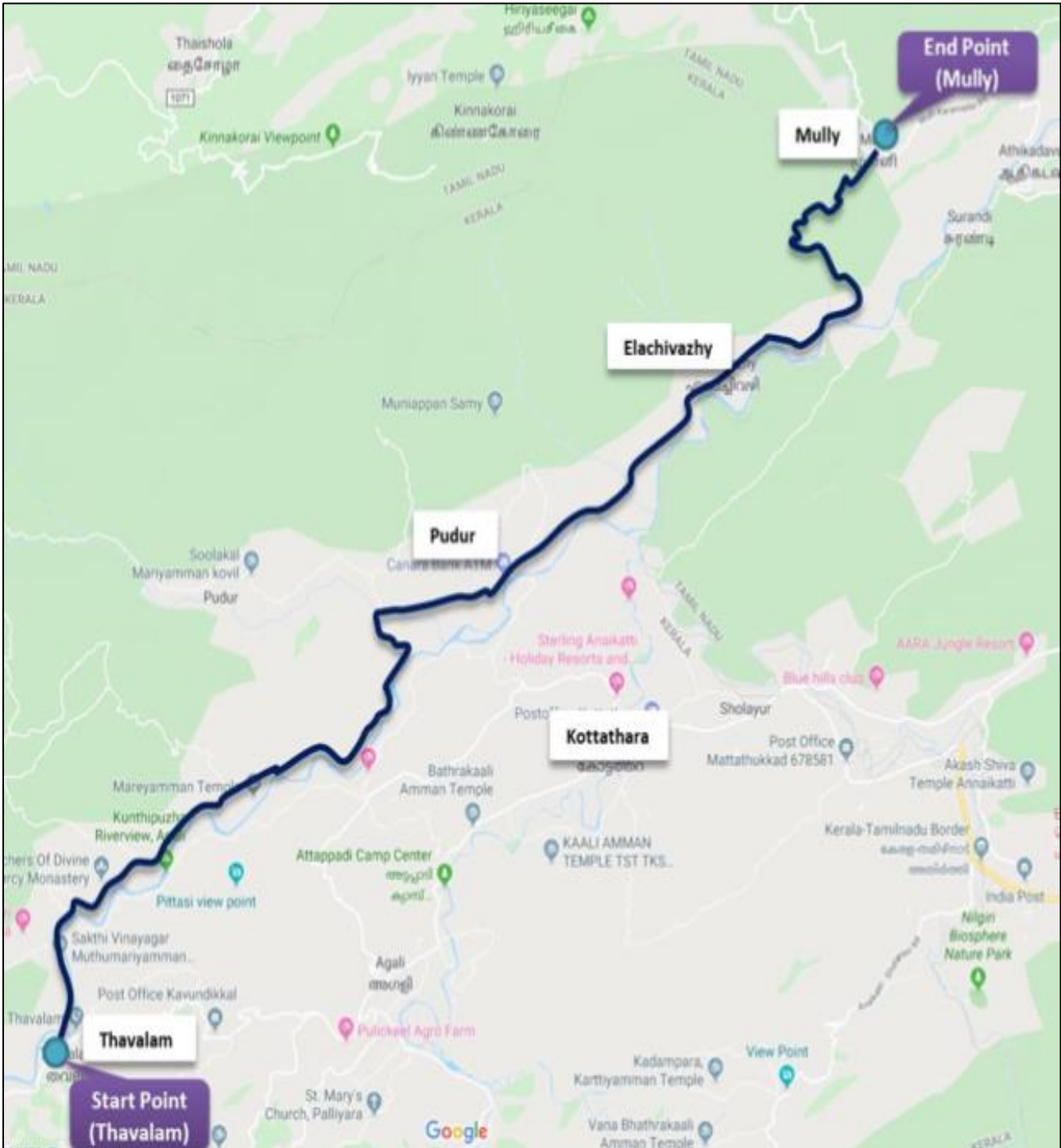
Inventory Works are in progress

**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	292	20%	-	Appointed date to be notified	-	-	
Milestone II	440	55%	-		-		
Milestone III	584	75%	-		-		
Milestone IV	731	100%	-		-		

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

A key map of the project Highway is shown below.



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	Date of Commencement
M/s Akshaya EKK JV	18	132.8	23-Nov-2020

**Status as on 31st Dec'2020:**

Site mobilisation 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%	-	01-Jul-21	-	-	
Milestone II	330	55%	-	19-Oct-21	-		
Milestone III	440	75%	-	06-Feb-22	-		
Milestone IV	548	100%	-	25-May-22	-		

## 4.2 Financial Information of North Packages 01 & 02

World Bank sanctioned two Development Policy Operations (DPOs) totalling to US\$250 million in May 2019 with an objective to mainstream disaster risks and climate change impacts information across the State's key areas of development including the roads sector. Part of this budget will finance the North Package 01 & 02.

Quarter wise tentative estimated fund disbursement is illustrated in the below table.

S.No	Road Ref No	Road Name	Contract Cost in INR Crores	Construction Period (Months)	EXPENDITURES IN INR Crores Withdrawal Projection													
					Q1 '21	Q2 '21	Q3 '21	Q4 '21	Q1 '22	Q2 '22	Q3 '22	Q4 '22	Q1 '23	Q2 '23	Q3 2023	Q4 2023	Total	
1	RKI-10	Mananthavady - Vimalanagar - Kulathada - Valad HS - Periya road between km2/500 to 27/300 in Wayanad District	107.45	18	5.4	13.9	8.0	32.6	26.3	21.3								107.5
2	RKI-11	Edoor – Companynirath - Anapanthy - Angadikkadavu– Vaniyappara - Charal - Valavupara - Kacherikkadavu - Palathumkadav road	136.2	18	9.0	18.8	16.0	34.0	30.7	27.7								136.2
3	RKI-12	Uruvachal Manakkayi valayal (including bridge pallel to aqueduct at valayal)-Keezhallur Therur Palayod-Vellaparamba Karimbala Colony Maruthaayi Road	100.42	18	5.0	12.0	8.0	32.0	25.3	18.1								100.4
4	RKI-13	Kumbla- Badiadka-Mulleria Road	167.99	24	8.4	18.4	10.0	22.8	32.8	33.6	18.0	24.0						168.0
5	RKI-14	Koyilandy Thamrassery Mukkam Areekode Edavanna road:	221.065	24		11.1	12.0	24.0	38.0	41.0	20.0	41.0	34.0					221.1
6	RKI-15	Vythiri-Tharuvana road	63.9	16		3.2	10.0	17.1	18.0	15.6								63.9
7	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.	144	18	7.2	18.0	16.0	40.0	32.0	30.8								144.0
8	RKI-6	Koyilandy - Edavanna road between Km 51/200 to 69/700 & Areekode - Manjeri road Km 0/000 to 13/600	189.76	18	9.5	28.0	22.0	45.0	46.3	39.0								189.8
9	RKI-7	Palakkad -Perinthalmanna Road (Mundur Junction to Thootha Junction of SH-53 from Km 12/800 to Km 49/600)	323.1	24	16.2	35.2	20.0	56.4	56.4	58.0	35.0	46.1						323.1
10	RKI-8	Thavalam Mully Road CH 0/000 to 28/800	132.81	18	6.6	20.0	12.0	35.0	32.5	26.7								132.8
					67.3	178.5	134.0	338.8	338.3	311.7	73.0	111.1	34.0	0.0				
<b>Total</b>			<b>1,587</b>		<b>718.6</b>				<b>834.1</b>				<b>34.0</b>					

\*This estimate may change according to the progress of works

**5 PROGRESS OF SERVICES/CONSTRUCTION WORK CENTRAL & SOUTH PACKAGE**

5.1 Procurement status of central package 03 is shown below:

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	TBER Submission to KfW	NO for TBER from KfW	Financial Bid Opening	FBER Submission to KfW	LOA Issued	*Estimated Contract Amount (*)	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	2-Nov-20	2-Nov-20	18-Dec-20	-	-	-	-	93.23	-	-	1) Technical Bids opened 02 Nov-2020. 2) Technical Evaluation submitted to KfW on 18-Dec-2020.
2		Kakkadassery - Kaliyar road Ch. 0/000 to 20/000	RD-02	Ernakulam	20.18	18	60	-	-	-	-	-	-	-	69.15	-	-	1) DPR + ESIA + Bid Docs submitted to KfW on 23-Dec-2020
3		Muvattupuzha - Theni SH (Ch. 0/000 to 15/750)	RD-03	Ernakulam	16.18	18	60	8-Feb-21	-	-	-	-	-	-	79.56	-	-	1) NO from KfW for tendering received on 3-Dec-2020. 2) Tendered with last date of submission as 8-Feb-2021
4		Kumarakom Nedumbassery (proposed SH) from Peruva to Peruvammuzhi	RD-04	Ernakulam	21.40	18	60	26-Feb-21	-	-	-	-	-	-	93.46	-	-	1) Tendered with last date of submission as 26-Feb-2021
5		Neyyassery Thokkumbansaddle road	RD-05	Idukki	31.92	24	60	-	-	-	-	-	-	-	144.3	-	-	1) DPR + ESIA submission in process by DPR consultant
6		Nenmara - Nelliampathy road km 0/00 to 30/714	RD-06	Palakkad	30.47	24	60	-	-	-	-	-	-	-	95.72	-	-	1) DPR + ESIA submission in process by DPR consultant
7		Kodungallur- shornur SH (SH 22)	RD-07	Thrissur	34.35	24	60	2-Nov-20	2-Nov-20	12-Dec-20	29-Dec-20	-	-	-	205.13	-	-	1) Financial bid to be opened
8		Vazhakkodu Plazhy road Km.0/000 to 22/642	RD-08	Thrissur	22.72	18	60	-	-	-	-	-	-	-	93.68	-	-	1)DPR + ESIA + Bid Docs submitted to be submitted to KfW
9		Thrissur Kuttippuram Road (SH 69)	RD-09	Thrissur	33.00	24	60	26-Feb-21	-	-	-	-	-	-	220.32	-	-	1) Tendered with last of date of submission as 26-Feb-2021
10		Arakunnam-Amballoor-Poothatta-Piravam Road	RD-10	Ernakulam	7.98	12	60	-	-	-	-	-	-	-	27.36	-	-	1)DPR + ESIA + Bid Docs submitted to be submitted to KfW
Total Length of Central Package 03 (Kms)					238													
Note:	* Estimated contract amount has been taken from FDPs with the following consideration: Inclusion of Civil Construction Works with GST @ 12%, Utility Shifting Cost, Compensatory Plantation, Social Awareness Program. Excludes Maintenance and GST on Maintenance. Subject to change post signing of Letter of Award and finalization of Contract amount.																	



## Central Package 03:

### 1) Road No 01 : Rehabilitation and Up gradation of Mookkannur- Ezhattumugham Road and Blachippara – Pallisserly Road in Ernakulum District under Rebuild Kerala Initiative

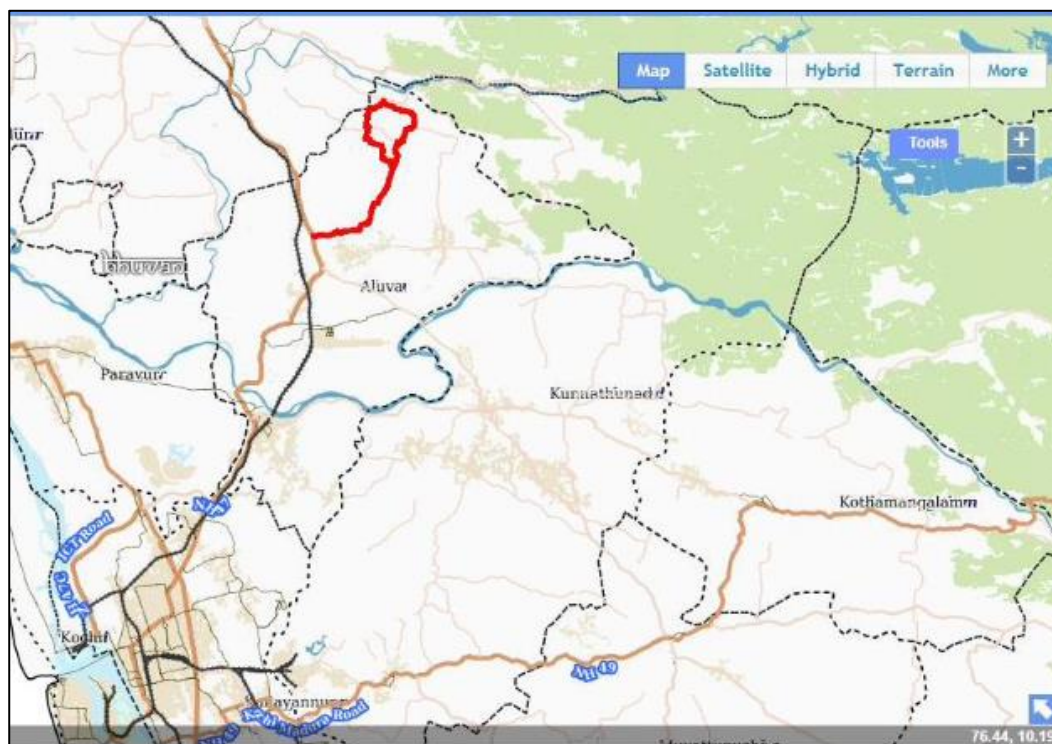
The DPR of Central Package 03 was done by M/s Louis Berger Consulting Pvt. Ltd.. The Bid process was done under NCP, Single Stage, and Two-envelope Bidding Process using E-procurement.

#### Scope of Contract:

Project Road comprises of the following two stretches

i) Road No. 1 - Mookkannoor - Ezhattumukham 13.930km and ii) Road No. 1A Blachippara - Palissery - 6.020km in Ernakulam district in the state of Kerala. The total length of project road is around 19.950 km.

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



**Key Map of the Project Road**

#### Salient Features:

Length of Road	:	19.95 km
Major Junction	:	8
Major Bridge	:	0
Minor Bridge	:	2
RUB	:	0
Culverts	:	72 (Existing)
Bus Shelters	:	15

**Project Data:**

Length of Road	:	19.95 km
Tendered Value	:	91.88 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

Four Bids were received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s.SPL-AFJV M/s. SPL Infrastructure Pvt. Ltd. JV M/s. AF Infrastructure Pvt. Ltd.	Indian	Opened	Join Venture
2	M/s. Marymatha – Akshaya JV. M/s. Marymatha Infrastructure (P) Ltd. M/s. Akshaya Builders.	Indian	Opened	Join Venture
3	M/s Tarmat Ltd.	Indian	Opened	Single
4	M/s. Antech- RBL JV M/s. Antech Construction Company JV M/s. Ranjit Bulcon Ltd.	Indian	Opened	Join Venture

**Technical Bid Evaluation:**

Technical bid was opened on 2nd Nov'2020.

The Evaluation of Technical proposals of the bidders have been conducted as defined in the RFP Section III – Qualification and Evaluation Criteria with reference to the KfW Procurement Guidelines.

The Technical proposals of the following bidders were found responsive in the preliminary examination of bids

- 1) M/s.SPL-AFJV.
- 2) M/s.Marymatha–AkshayaJV.
- 3) M/s. Tarmat Ltd.
- 4) M/s. Antech –RBL JV

The technical bid evaluation report has been sent to KfW on 12th Dec'2020 for NO objection to proceed with the financial bid opening.



## Financial Bid Evaluation:

NO to open financial bids is awaited from KfW

## 2) Road. No 07: Rehabilitation and Up gradation of Kodungallur - Shornur Road In Thrissur District

The DPR of Central Package 03 was done by M/s Louis Berger Consulting Pvt. Ltd.. The Bid process was done under NCP, Single Stage, and Two-envelope Bidding Process using E-procurement.

### Scope of Contract:

Project Road starts from Kodungallur and passes through Konathukunnu, Irinjalakuda, Mapranam, Karuvanur, Kanimangalam and ends at Koorkanchery in the state of Kerala. The total length of project road is around 34.350 km. The section falls in Thrissur district.

The project passes mainly through plain/rolling terrain with steep slope at some stretches.



Key Map of Project Road

**Salient Features:**

Length of Road	:	34.350 km
Major Junction	:	10
Major Bridge	:	3
Minor Bridge	:	6
RUB	:	0
Culverts	:	66
Bus Shelters	:	46

**Project Data:**

Length of Road	:	34.350 km
Tendered Value	:	194.96 Cr
Construction Period	:	24 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

Three Bids were received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s. Gawar- ATCON M/s. Gawar Construction Ltd - M/s. ATCON India Ltd. JV	Indian	Opened	Join Venture
2	M/s. Marymatha - MKC JV. M/s. Marymatha Infrastructure [P] Ltd. M/s. MKC Infrastructure Ltd.	Indian	Opened	Join Venture
3	M/s Sreedhanya Construction Company	Indian	Opened	Single

**Technical Bid Evaluation:**

Technical Bid was opened on 2nd Nov'2020.

M/s. Sreedhanya Construction Company does not meet the requirement of turnover. Hence found non-responsive.

The Committee recommended M/s, Gawar - Atcon JV and M/s. Marymatha – MKC JV as technically responsive for opening of their price bids.

The TBER had been submitted to KfW for the No Objection to proceed with the Financial Bid opening on 12th Dec'2020.

Conditional NO has been issued by KfW on 29.12.2020. Required clarification had been provided by KSTP on 31st Mar'2020 enabling the opening of the Financial Bids.

**Financial Bid Evaluation:**

Financial Bid will be opened in the month of January'2021

5.2 Procurement status of south package 04 is shown below:

Status of South Package 04 funded by KfW Dec'20																		
S.No	Package	Road Name	Road Ref No	District	Length (Kms)	Duration	Maintenance Period	Tender Submission Last Date	Technical bid Opening	TBER Submission	NO for TBER from KfW	Financial Bid Opening	FBER Submission	LOA Issued	*Estimated Contract Amount (*)	Agreement Date	Contractor	Status
1	Package 04	Gandhinagar-Medical College-Babu Chazhikadan Road- Kottayam-Parippu Road-Athirampuzha Liessue-Kaippuzha- Mannanam-Pulikkutissery-Parolickal-Muttappally Road	Rd-1	Kottayam	20.20	18	60	18-Dec-20	18-Dec-20	24-Dec-20	-	-	-	-	112.45	-	-	1) Awaiting for NO from KfW for TBER submitted on 24th Dec'2020
2		Vadayar Chandappalam- Mulakkulam Road and Vadayar Kallattippalam Muttuchira Road	Rd-2	Kottayam	22.48	18	60	5-Oct-20	5-Oct-20	30-Oct-20	26-Nov-20	1-Dec-20	31-Dec-20	-	104.55	-	-	1) NOC from KfW is awaited for retendering
3		Pathanamthitta Ayroor-Muttukudukka illathupadi - Muttukudukka prakkanam - Parakkanam Elavumathitta - Kulanada Ramanchira - Thanikkuzhy Thonnamala	Rd-3	Pathanamthitta	28.20	18	60	18-Dec-20	18-Dec-20	-	-	-	-	-	106.91	-	-	1) Technical bid evaluation is in progress
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-Dec-20	-	-	-	-	104.71	-	-	1) Awaiting for NO from KfW for TBER submitted on 18th Dec'2020
5		Malamekkara Kunnathukala 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	12-Dec-20	-	-	-	-	28.24	-	-	1) Awaiting for NO from KfW for TBER submitted on 12th Dec'2020
6		Thiruvananthapuram Ponnudi road (From Nedumangad to Ponnudi)	Rd-6	Thiruvananthapuram	41.75	24	60	-	-	-	-	-	-	-	203.42	-	-	1) DPR finalization in progress
7		Thattarambalam-Michael Junction-Kochalummood-Mangankuzhy-Pandalam	Rd-7	Allapuzha	18.66	18	60	30-Nov-20	30-Nov-20	18-Dec-20	-	-	-	-	114.21	-	-	1) Awaiting for NO from KfW for TBER submitted on 18th Dec'2020
8		Veeyapuram-Edathua-Puthukarry-Mambuzhakkary-Kidangara-Kunnamgary-Kumarangary-Valady-Mullakarnthuruthy	Rd-8	Allapuzha	21.36	18	60	18-Dec-20	18-Dec-20	23-Dec-20	-	-	-	-	111.9	-	-	1) Awaiting for NO from KfW for TBER submitted on 23rd Dec'2020
9		Vayuttupuzha-Potheppad Road	Rd-9	Pathanamthitta	35.00	18	60	-	-	-	-	-	-	-	-	-	-	-
<b>Total Length of South Package 04 (Kms)</b>					<b>218.64</b>													

Note: \* Estimated contract amount has been taken from FDPRs with the following consideration: Inclusion of Civil Construction Works with GST @ 12%, Utility Shifting Cost, Compensatory Plantation, Social Awareness Program. Excludes Maintenance and GST on Maintenance. Subject to change post signing of Letter of Award and finalization of Contract amount.

## South Package 04:

The DPR of South Package 04 was done M/s Egis India Consulting Engineers Pvt. Ltd. The Bid process was done under NCP, Single Stage, and Two-envelope Bidding Process using E-procurement.

### **1) Road 01: Rehabilitation and Up gradation of Gandhinagar-Medical College-Babu Chazhikadan road-Kottayam- Parippu road- Athirampuzha Liessue-Kaippuzha-Mannanam- Pulikkuttissery-Parolickal- Muttappally Road in Kottayam District**

#### **Scope of Contract:**

The Project road comprises of eight individual major district road sections scattered in Ettumanoor constituency of Kottayam district. The total length of the road sections is around 20.197 Km.

#### **Gandhi Nagar-Medical Collage Road (Road No. 1.1)**

The Project road section 1.1 starts from MC Road and ends on Athirampuzha Medical College Road with a length of 2.10 Km. There is a ROB situated on the road section with a two-lane carriageway width. The carriageway in this section is with two lane configurations with good pavement condition. ROW varies from 30 m to 35 m. The project road passes through plain terrain with proper geometry.

#### **Babu Chazhikadan Road (Road Section No. 1.2)**

The Project road section 1.2 starts from Athirampuzha Medical College Road and ends on Mannanam-Aarpookkara Road. Total length of this road section is 1.52 Km. The carriageway width is two lane configurations for 1.3 km and rest is with narrow single lane. The ROW available at this portion of road section is 6-10 m. The road section passes through plain terrain with fair geometry and cater less traffic.

#### **Kudayampadi- Parippu Road (Road Section No. 1.3)**

The Project road section 1.3 starts from Kottayam Medical College Bypass Road and ends on Parippu-Aikkarachira Road at Parippu. Total length of road section is 5.313 Km. Existing ROW varies from 6 m to 10 m. The carriageway configuration is generally single and intermediate lane. The project road section passes through built up locations and plain terrain with overall fair geometry.

#### **Mannanam Kaippizha Road (Road Section No. 1.4)**

The road section 1.4 starts from Mannanam-Aarpokkara Road and ends on Mannanam Pulikuttissery Road with a total length of 1.03 km. There is a narrow minor bridge with poor condition is observed on this road section. The ROW is generally 8 m. The carriageway configuration is generally intermediate lane. The project road section passes through plain terrain with poor geometry and cater less traffic.

#### **Mannanam-Pulikkuttyssery Road (Road Section No. 1.5)**

The road section 1.5 starts from Mannanam-Aarpokkara Road and ends before the Pulikuttissery Bridge which is newly constructed. However, the road section needs to connected with the Aymanam – Kallumkathara Road as this link is missing (150m) on the ground. The length of the road section observed is 4.048 km. The ROW varies from 8 m to 10 m. The carriageway widths vary from single to intermediate configurations. The entire project road passes through plain terrain with fair/poor geometry and observed with Moderate traffic. Land use along the road section is urban.



## Kaipuzha Athirampuzha Road (Road Section No. 1.6)

The road section 1.6 starts from the junction of Mahatma Gandhi University Road at Athirampuzha and ends at Kuttumpuram – Kaippuzha Road at Kaippuzha with a total length of 3.325 km. The ROW of the project road is generally 8 m to 9 m. The carriageway width is generally single lane configurations. The entire project road passes through plain terrain with average geometry and cater moderate to low traffic. The road section predominantly passes through built up sections.

## Athirampuzha-Parolickal Road (Road Section No. 1.7)

The road section 1.7 starts from Mahatma Gandhi University road at Athirampuzha and ends on MC Road with a length of 1.823 km. There is a railway level crossing observed on road section. The ROW varies from 6 m to 10 m. The carriageway widths vary from single to intermediate lane configurations. Moderate traffic observed on the project road section. The entire project road passes through plain terrain with fair/poor geometry.

## Athirampuzha Vedagri Road (Road Section No. 1.8)

The section 1.8 starts from Mahatma Gandhi University Road and ends at Ettumanoor – Neendoor Road with a length of 0.725 km. The ROW varies from 6 m to 9 m. The carriageway width varies from single lane/intermediate configurations. Pavement condition observed with average to good condition

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



Key Map of Project Road

**Salient Features:**

Length of Road	:	20.197 km
Major Junction	:	10
Major Bridge	:	3
Minor Bridge	:	6
RUB	:	0
Culverts	:	66
Bus Shelters	:	46

**Project Data:**

Length of Road	:	20.197 km
Tendered Value	:	104.30 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

One Bid received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s Sreedhanya Construction Company	Indian	Opened	Single

**Technical Bid Evaluation:**

Based on the analysis of the Technical Proposal, the sole bidder M/s Sreedhanya Construction Company was found responsive. The bidder has included their undertaking to provide required personnel and equipment as required if they are awarded the project.

The Committee recommended M/s Sreedhanya Construction Company as technically responsive for opening of their price bids.

The TBER had been submitted to KfW on 28th Dec 2020 for the No Objection to proceed with the Financial Bid opening.



## Financial Bid Evaluation:

NO Awaited from KfW to open financial bids

## 2) Road 02 : Rehabilitation and Up gradation of Vadayar – Chandappalam - Mulakkulam Road and Vadayar – Kallattippalam - Muttuchira Road in Kottayam District

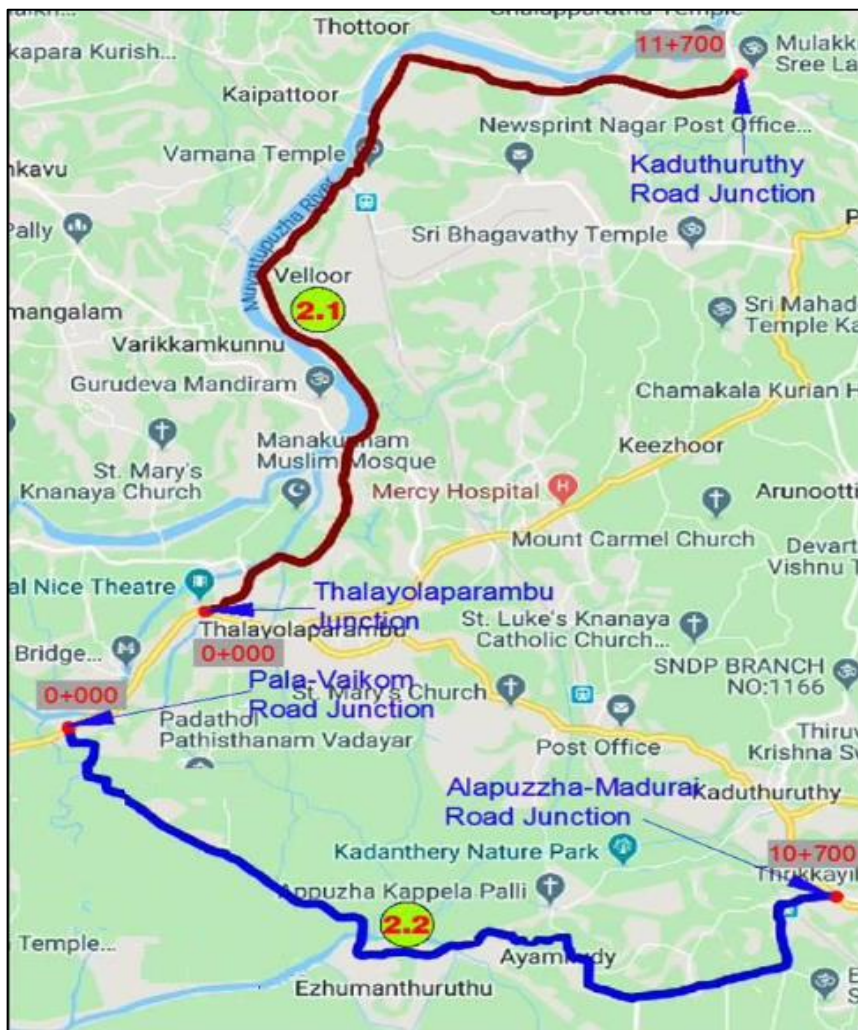
### Scope of Contract:

The road comprises of two individual major district road sections situated in the Vaikom and Kaduthuruthy constituency of Kottayam district.

The scope of the project is Rehabilitation and Upgradation of the road Vadayar - Chandappalam- Mulakkulam Road (Km 0+000 to Km 11+726) and Vadayar Kallattippalamn Muttuchira Road from & Km (0+000 to km 10+750). The Total Length of the project road is 22.4760 Km.

The project roads under the scope of study run through plain/rolling terrain with steep gradient at some stretches.

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



**Key Map of Project Road**

**Salient Features:**

Length of Road	:	22.476 km
Major Junction	:	1
Minor Junction	:	46
Major Bridge	:	1
RUB	:	1
Minor Bridge	:	4
Culverts	:	43

**Project Data:**

Length of Road	:	22.476 km
Tendered Value	:	98.96 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

One Bid received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s. Begorra Infrastructures and Developers Pvt. Ltd. in JV with M/s. PRL Projects & Infrastructure Ltd.	Indian	Opened	JV

**Technical Bid Evaluation:**

Technical Bid was opened on 5th Oct'2020

Even though only one no. of bid has been received, it was recommended by the Bid Evaluation Committee to proceed with the opening and evaluation of the Technical Proposal.

The bid submitted by M/s. Begorra Infrastructures and Developers Pvt. Ltd. in JV with M/s. PRL Projects & Infrastructure Ltd. is found responsive.

The Technical Evaluation Report has been submitted to KfW Bank and subsequent to clarifications, the 'No Objection' to proceed with the Financial Bid Opening was issued on 26th Nov'2020.

## **Financial Bid Evaluation:**

In spite of being a single bidder, it was decided to go forward with the opening of the financial bid opening. Financial Bid was opened on 1st Dec'2020.

As per the analysis of the Financial Bid, the sole bidder has submitted the financial proposal with the total bid Price 30% above the total Tender Value. The bid prices of 54 of 224 items are found more than double the respective estimate rates which does not sound reasonable.

As per the Procurement guidelines of KfW bank, modification of the unit prices nor the offer price as a condition for award of the Contract is not admissible.

Therefore, it is recommended to cancel this tender process and re-tender the project.

### **3) Road 03 : Rehabilitation and Up gradation of Pathanamthitta Ayroor – Muttukudukka Illathupadi – Muttukudukka Prakkanam – Prakkanam Elavumthitta - Kulanada Ramanchira – Thannikkuzhy Thonnamala Road in Pathanamthitta District**

#### **Scope of Contract:**

The existing condition of the different roads are as follows:

#### **Pathanamthitta - Ayroor Road (Section No. 3.1)**

Road section starts from Thiruvalla – Kumbazh Highway (Juma Masjid junction) and ends at Vazhakunnam junction, Ayroor on Melukara Ranni road with a total length of 12.3 Km. Land use pattern along road section is mix type; built up and agriculture (rubber plantation). The carriageway in this section is generally intermediate lane configuration with varying BT width between 4.99m to 5.11m. ROW generally varies from 10 to 15m, except at 1.3 km of road section at start up to ring road crossing which falls in Pathanamthitta city. Entire project road passes through plain/rolling terrain with poor geometry.

#### **Muttukudukka - Illathupadi Road (Section No. 3.2)**

Road section starts from Elanthoor-Santhosh Jct road (Muttukudukka Jn.) and ends at Illathupadi on Elanthoor market- Palachuvadu road with a total length of 3.6 km. Land use pattern along road section is agriculture (rubber plantation) with scattered built up. The carriageway in this section is generally single lane configuration with varying BT width between 3.5 to 3.6m. ROW generally varies from 8 to 10m. Project road passes through rolling terrain with fair to poor geometry.

#### **Muttukudukka - Prakkanam Road (Section No. 3.3)**

Road section starts from Muttukudukka-Illathupadi road (175m from start on road no. 3.2) and ends at Prakkanam Jn. on Omalloor- Paiyaram road with a total length of 2.2 Km. Land use pattern along road section is agriculture (rubber plantation) with scattered built up. The carriageway in this section is generally intermediate lane configuration with varying BT width between 5.1m to 5.5m. ROW generally varies from 10 to 12m. Project road passes through rolling terrain with fair geometry.

#### **Prakkanam - Elavumthitta Road (Section No. 3.4)**

Road section starts from Omalloor- Paiyaram at Prakkanam Jn. (end of road no.3.3) and ends at Elavumthitta on Manjinikara- Elavumthitta road with a total length of 2.9 Km. Land use pattern along road section is agriculture (rubber plantation) with scattered built up. The carriageway in this section is generally



intermediate lane configuration with varying BT width of 5.5m. ROW is generally 10m. Project road passes through rolling terrain with fair geometry.

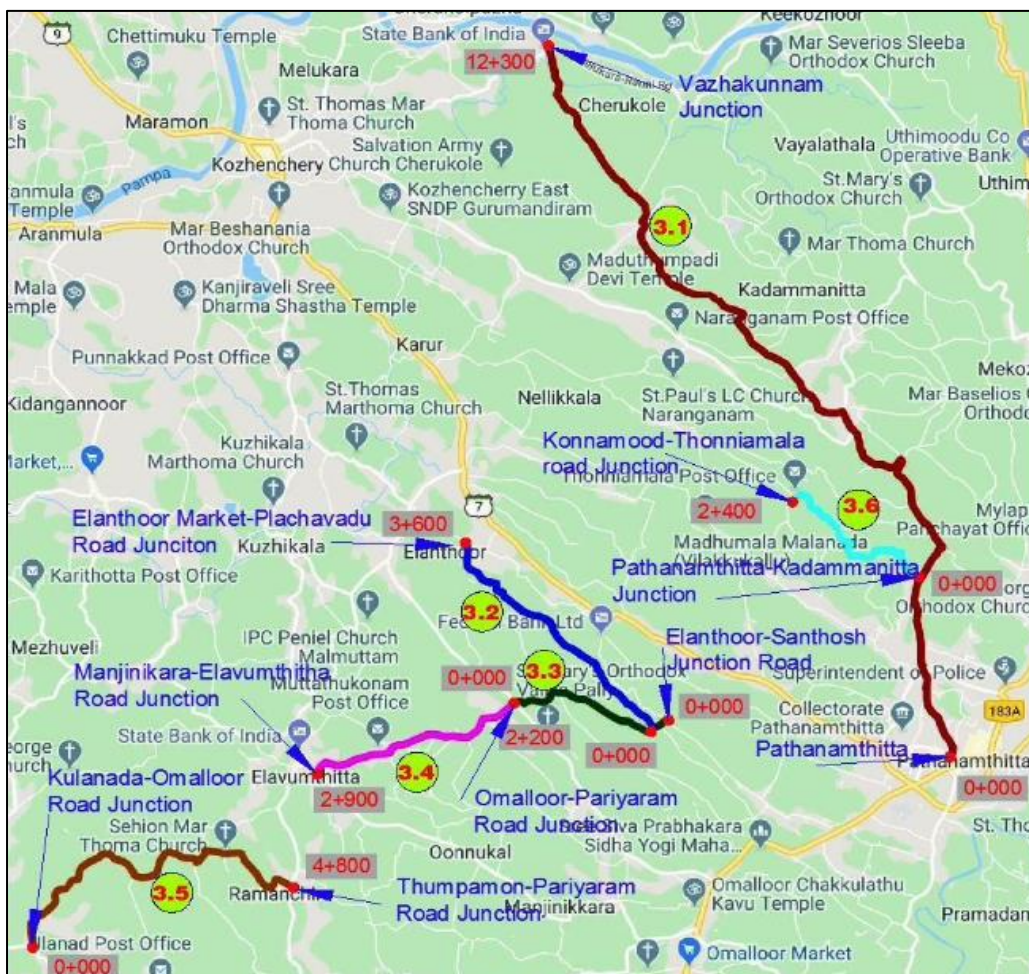
### Kulanada Ramanchira Road (Section No. 3.5)

Road section starts from Kulanada-Omalloor road at Kulanada and ends at Ramanchira on Thumpamon-Paryaram road with a total length of 4.8 Km. Land use pattern along road section is agriculture (rubber plantation) with scattered built up. The carriageway in this section is generally intermediate lane configuration with varying BT width between 4.99m to 5.11m. ROW is generally 10-12m. Project road passes through rolling terrain with poor geometry. Submersible bridge is observed on this road section.

### Thannikkuzhy Thonnamala Road (Section No. 3.6)

Road section starts from Pathanamthitta - Ayroor road (2.5 Km from start of road no. 3.1) ends at Thonnamala road with a total length of 2.4 Km. Land use pattern along road section is forest/rubber plantation with scattered built up. The carriageway in this section is generally single lane configuration with varying BT width between 3.2m to 3.5m. ROW is generally 10m. Project road passes through rolling/hilly terrain with poor geometry and observed with low traffic. This road is damaged due to flood and drainage issues observed at many locations. Requirement of retaining wall/protection is observed at many locations.

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



**Key Map of Project Road**

**Salient Features:**

Length of Road	:	28.204 km
Major Junction	:	12
Minor Junction	:	0
Major Bridge	:	0
RUB	:	0
Minor Bridge	:	3
Culverts	:	120
Bus Shelter	:	32

**Project Data:**

Length of Road	:	28.204 km
Tendered Value	:	97.12 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

Three Bids were received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s. Theruvath – PRL JV M/s. Theruvath Builders – M/s. PRL Projects and Infrastructure Ltd. - JV.	Indian	Opened	Join Venture
2	M/s. EKK Infrastructure Ltd.	Indian	Opened	Single
3	M/s Sreedhanya Construction Company	Indian	Opened	Single

**Technical Evaluation:**

Technical bid was opened on 18th Dec'2020. The evaluation committee has completed evaluation on 29th Dec'2020 and recommended the bids of M/s. Theruvath -PRL JV, M/s. EKK Infrastructure Ltd. And M/s Sreedhanya Construction Company as technically responsive for opening of their price bids.

The Technical Evaluation Report (TBER) will be submitted to KfW in the first week of January'2021 for the No Objection to proceed with financial bid opening.



**4) Road 04 : Rehabilitation and Up gradation of the road Mallapally, Komalam Paduthodu Kallooppara Chengaroor Komalam Kavungumprayar Pattakala, TMV Road in Pathanamthitta District.**

**Scope of Contract:**

The Project road comprises of eight individual major district road sections scattered in Thiruvalla constituency of Pathanamthitta district.

The existing road network is in very good and quite dense with many roads and alternative routes in close vicinity, and further with associated land acquisition issues, realignment options are not very practical in general.

The length of the road sections is around 23.129 Km with available RoW varying from 6m to 10m.

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



**Key Project Road Map**

**Salient Features:**

Length of Road	:	23.129 km
Major Junction	:	17
Minor Junction	:	0
Major Bridge	:	1
RUB	:	0
Minor Bridge	:	0
Culverts	:	67
Bus Shelter	:	32

**Project Data:**

Length of Road	:	23.129 km
Tendered Value	:	98.98 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

Two Bids were received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s. PCPL - SM JV M/s. Palathra Constructions (P) Ltd – Mr. Sony Mathew JV.	Indian	Opened	Join Venture
2	M/s. SPL – RM JV. M/s. SPL Infrastructure (P) Ltd. M/s. Raji Mathew & Co. - JV	Indian	Opened	Join Venture

**Technical Evaluation:**

Technical Bids are opened on 30th Nov'2020

The Evaluation Committee reviewed the technical proposals of M/s. PCPL - SM JV and M/s. SPL – RM JV and both bidders were found substantially responsive. The Committee recommended both the bidders as technically responsive for opening of their price bids.

The TBER had been submitted to KfW on 18th Dec 2020 for the No Objection to proceed with the Financial Bid opening.



## 5) Road 05 : Rehabilitation and Up gradation of Malamekkara- Kunnathukala - Chala- Puthenchanda Factory junction - Azad junction road (Length 7.866 km) in Pathanamthitta District

### Scope of Contract :

Project Road starts from Malamakkara and passes through Kunnathukala, Chala, Puthenchanda, and ends Azad Junction in Parakode block of Pathanamthitta district in the state of Kerala. The total length of project road is around 7.866 km. The section falls in Adoor constituency of Pathanamthitta district

The project passes mainly through plain/rolling terrain with steep slope at some stretches.

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



**Key Project Road Map**

### Salient Features:

Length of Road	:	7.866 km
Major Junction	:	4
Minor Junction	:	49
Major Bridge	:	0

RUB	:	0
Minor Bridge	:	0
Culverts	:	23

### Project Data:

Length of Road	:	7.866 km
Tendered Value	:	27.67 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

### Bid Evaluations:

Two Bids were received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s KNM-EKK JV M/s K.N. Madhusoodanan in JV with M/s. EKK Infrastructure Ltd.	Indian	Opened	Join Venture
2	M/s. Raii Mathew & Co.	Indian	Opened	Single

### Technical Bid Evaluation:

Technical bids are opened on 5th Oct'2020

The Evaluation Committee reviewed the technical bids and the following shortcomings in the bids have been addressed.

The Construction methodology, ESHS Methodology and related documents were not submitted by M/s. Raji Mathew and Co., which were obtained from the bidder later before the opening of the price bids.

The date of expiry of the Bid Security submitted by M/s. KNM-EKK ,V required clarification from the guarantor Bank since discrepancy existed within the document, which has been obtained during technical evaluation process.

Recently M/s EKK Infrastructure Ltd., who is the JV partner of M/s. KNM-EKK JV has been on the news of being blacklisted by the Central Government on grounds of collapse of a bridge. An undertaking from the bidder has been obtained to the effect that in the event of the State Government debarring M/s EKK Infrastructure from undertaking projects before the execution of the agreement of this project, the bidder shall be reckoned non-responsive and any claim to execute the agreement shall be forfeited.

The Committee recommended M /s. KNM-EKK JV and M/s. Raii Mathew & Co. as technically responsive for opening of their price bids.

The TBER had been submitted to KfW on 12th Dec 2020 for the No Objection to proceed with the Financial Bid opening.

## 6) Road 07 : Rehabilitation and Up gradation of Thattarambalam - Michel Junction - Kochalummood - Mangankuzhy – Pandalam Road in Alapuzha District

### Scope of Contract :

The Project consists of two roads Roads which are about 2kms apart.

### 7.1 Thattarambalam – Michel Junction – Kochalummood Road

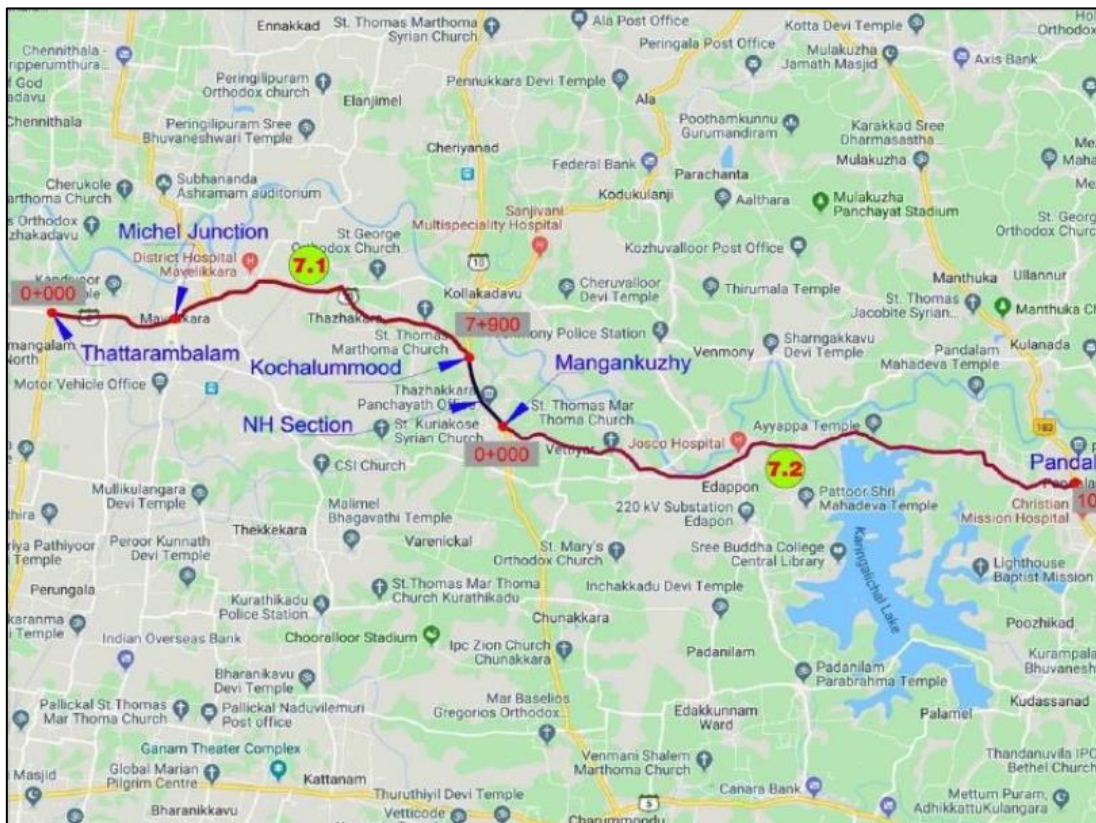
Project road section starts from Thattarambalam junction with Kayamkulam – Thiruvalla Highway and ends Kochalummood Junction with Kollam-Theni Highway. The entire road falls in Mavelikkara block of Alappuzha district with a total length of this road section is 7.945 Km.

The junction with Kayamkulam-Thiruvalla highway is properly designed T junction. The project road passes through plain terrain with substandard geometry.

### 7.2 Mankamkuzhy – Vettiayar - Pandalam Road

Project road section starts from Kollam-Theni highway near Mankamkuzhy junction and ends near Pandalam junction with MC Road. Total length of this road section is 10.712 Km. The project road passes through plain terrain with substandard geometry.

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



Key Project Road Map

**Salient Features:**

Length of Road	:	18.657 km
Major Junction	:	8
Minor Junction	:	0
Major Bridge	:	0
RUB	:	1 (retained at site)
Minor Bridge	:	5
Culverts	:	39
Bus Shelter	:	50

**Project Data:**

Length of Road	:	18.657 km
Tendered Value	:	109.30 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

Three Bids were received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s. Begorra-PRL JV M/s. Begorra Infrastructures and Developers[P] Ltd – M/s. PRL Projects and Infrastructre Ltd. JV	Indian	Opened	Join Venture
2	M/s. Tarmat Ltd.	Indian	Opened	Single
3	M/s Sreedhanya Construction Company	Indian	Opened	Single

## **Technical Bid Evaluation:**

Technical Bids are opened on 30th Nov'2020

The Evaluation Committee reviewed the technical proposals of all three bidders. M/s. Begorra - PRL JV, M/s. Tarmat Ltd and M/s Sreedhanya Construction Company were found responsive.

The Committee recommended all the three bidders as technically responsive for opening of their price bids.

The TBER had been submitted to KfW on 18<sup>th</sup> Dec 2020 for the No Objection to proceed with the Financial Bid opening.

## **7) Road 08 : Rehabilitation and Up gradation of Veeyapuram - Edathua - Puthukkary - Marnbuzhakkary - Kidangara - kunnamgary - Kumarangary - Valady - Mulakkarnthuruthy Road in Alapuzha District**

### **Scope of Contract:**

The Project consists of three Roads which are in the Kuttanad and Changanacherry constituency of Alappuzha and Kottayam district respectively. The road traverses Alappuzha and Kottayam district with an observed length of project is around 21.457 km. The entire road sections fall in low lying area with altitude ranges between -1 to 3m above mean sea level.

### **Veeyapuram-Edathua Road (Road No. 8.1)**

The road section is part of Major District Road starts from Veeyapuram junction with Mannar-Veeyapuram Road junction and ends at junction with SH-12 near Edathua town with a total length of 3.70 km. The total project road section passes through built up sections and agriculture fields with ROW varies from 7 to 11m.

### **Edathua-Puthukkary-Mambuzhakkary Road (Road No. 8.2)**

The road section is part of Major District Road starts from Edathua Mambuzhakkary road junction with SH-12 near Edathua town and ends at junction with SH-11 near Mambuzhakkary junction with a total length of 7.522 km. The total project road section passes through built up sections as well as agriculture fields with ROW varies from 7 to 11m.

### **Kidangara- Kunnamkary-Valady- Mulakkamthurthy Road (Road No. 8. 3)**

The road section starts on SH-11 near Kidangara town junction and follow the Kidangara-Thurthy road from Kunnamgary junction and further follow Thurthy- Narakhara and finally ends near Thurthy junction with Main Central Road with a length of 10.235 km. The total project road section passes through built up sections as well as agriculture fields with ROW varies from 7 to 11m.



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



**Key Project Road Map**

**Salient Features:**

Length of Road	:	21.457 km
Major Junction	:	6
Minor Junction	:	0
Major Bridge	:	0
RUB	:	0
Minor Bridge	:	13
Culverts	:	109
Bus Shelter	:	26



**Project Data:**

Length of Road	:	21.457 km
Tendered Value	:	103.91 Cr
Construction Period	:	18 Months
Maintenance Period	:	60 Months

**Bid Evaluations:**

Three Bids were received for this package and details of bidders are mentioned in the below table

S.No	Name of Bidder	Nationality	Whether Technical bid opened/not opened	Remarks
1	M/s. PCPL-SM JV M/s. Palathra Constructions (P) Ltd-Mr.Sony Mathew JV	Indian	Opened	Join Venture
2	M/s. Tarmat Ltd.	Indian	Opened	Single
3	M/s Sreedhanya Construction Company	Indian	Opened	Single

**Technical Bid Evaluation:**

The Evaluation Committee reviewed the technical proposals of all three bidders,

M/s. PCPL-SM JV do not qualify for the financial bid opening since they do not meet the criteria specified for Average minimum turnover as specified in the criteria. The quantity of RCC meets only 80% of the criteria requirement. Hence found not qualifying in the technical bid.

M/s. Tarmat Ltd and M/s Sreedhanya Construction Company were found responsive. The bidders who fall short of the required personnel and equipment in the technical proposal have included their undertaking to provide them as required if they are awarded the project.

The Committee recommended M/s. Tarmat Ltd and M/s Sreedhanya Construction Company as technically responsive for opening of their price bids.

The TBER had been submitted to KfW on 23rd Dec 2020 for the No Objection to proceed with the Financial Bid opening.

### 5.3 Financial Information of Central and South Packages

Government of Kerala, and the KfW, formerly KfW Bankengruppe, based in Frankfurt, Germany, signed two Loan Agreements in November 2019, totaling EUR 170 million, with an additional Loan of EUR 3 million, for the rebuilding of the State's road infrastructure. Government of Kerala (GoK) has committed to provide an own contribution of 30 % (EUR 51 million) of the total costs of the project, raising the total financing volume of this Project to EUR 221 million.

Funding Details are as Below:

<b>Investment Budget 01</b>				<b>Investment Budget 02</b>			
<b>Investment</b>	<b>All calculation made in EUR</b>			<b>Investment</b>	<b>All calculation made in EUR</b>		
<b>Project Activities</b>	<b>Cost</b>	<b>KfW (Loan)</b>	<b>Gok Financial Own Contribution</b>	<b>Project Activities</b>	<b>Cost</b>	<b>KfW (Loan)</b>	<b>Gok Financial Own Contribution</b>
1.1 Detailed Project Report	€ 1,694,915		€ 1,694,915	1.1 Detailed Project Report (500 km)			
1.2 GST on DPR Consultants	€ 305,085		€ 305,085	1.2 GST on DPR Consultants			
<b>1. Sub-Total DPR</b>	<b>€ 2,000,000</b>		<b>€ 2,000,000</b>	<b>1. Sub-Total DPR</b>			
2.1 Construction Works	€ 98,660,714	€ 77,612,045	€ 21,048,670	2.1 Construction Works	€ 89,500,000	€ 68,968,293	€ 20,531,706
2.2 GST on Construction Works	€ 11,839,286		€ 11,839,286	2.2 GST on Construction Works @12%	€ 10,740,000		€ 10,740,000
<b>2. Sub-Total Construction Works</b>	<b>€ 110,500,000</b>	<b>€ 77,612,045</b>	<b>€ 32,887,955</b>	<b>2. Sub-Total Construction Works</b>	<b>€ 100,240,000</b>	<b>€ 68,968,293</b>	<b>€ 31,271,707</b>
3.1 PMC I (Intermediate)	€ 169,492		€ 169,492	3.1 PMC I (Intermediate)			
3.2 GST on PMC I	€ 30,508		€ 30,508	3.2 GST on PMC I			
<b>3. Sub-Total on PMC I</b>	<b>€ 200,000</b>		<b>€ 200,000</b>	<b>3. Sub-Total on PMC I</b>			
4.1 PMC II (long-terms)	€ 1,672,216	€ 1,672,216		4.1 PMC II (long-terms)	€ 1,274,237	€ 1,274,237	
4.2 GST on PMC II	€ 300,999		€ 300,999	4.2 GST on PMC II	€ 229,363		€ 229,363
<b>4. Sub-Total on PMC II</b>	<b>€ 1,973,214</b>	<b>€ 1,672,216</b>	<b>€ 300,999</b>	<b>4. Sub-Total on PMC II</b>	<b>€ 1,503,600</b>	<b>€ 1,274,237</b>	<b>€ 229,363</b>
5.1 Supervision Consultants	€ 5,852,754	€ 5,852,754		5.1 Supervision Consultants	€ 5,946,441	€ 5,946,441	
5.2 GST on Supervision Consultants	€ 1,053,496		€ 1,053,496	5.2 GST on Supervision Consultants	€ 1,070,359		€ 1,070,359
<b>5. Sub-Total on Supervision Consultants</b>	<b>€ 6,906,250</b>	<b>€ 5,852,754</b>	<b>€ 1,053,496</b>	<b>5. Sub-Total on Supervision Consultants</b>	<b>€ 7,016,800</b>	<b>€ 5,946,441</b>	<b>€ 1,070,359</b>
6.1 Financial Audits	€ 169,492		€ 169,492	6.1 Financial Audits			
6.2 GST on Financial Audits	€ 30,508		€ 30,508	6.2 GST on Financial Audits			
<b>6. Sub-Total on Financial Audits</b>	<b>€ 200,000</b>		<b>€ 200,000</b>	<b>6. Sub-Total on Financial Audits</b>			
7. Contingency	€ 6,791,536	€ 4,862,986	€ 1,928,550	7. Contingency	€ 5,525,334	€ 3,811,029	€ 1,714,285
<b>TOTAL</b>	<b>€ 128,571,000</b>	<b>€ 90,000,000</b>	<b>€ 38,571,000</b>	<b>TOTAL</b>	<b>€ 114,285,714</b>	<b>€ 80,000,000</b>	<b>€ 34,285,714</b>

<b>Financial Source</b>	<b>Amount</b>	<b>Percentage</b>
KfW (Loan)	€ 90,000,000	70%
GoK (own contribution, Incl, GST)	€ 38,571,000	30%
<b>TOTAL</b>	<b>€ 128,571,000</b>	<b>100%</b>

<b>Financial Source</b>	<b>Amount</b>	<b>Percentage</b>
KfW (Loan)	€ 80,000,000	70%
GoK (own contribution, Incl, GST)	€ 34,285,714	30%
<b>TOTAL</b>	<b>€ 114,285,714</b>	<b>100%</b>

<b>Accompanying Measure Budget</b>			
<b>Accompanying Measure</b>	<b>All calculation made in EUR</b>		
<b>Project Activities</b>	<b>Cost</b>	<b>KfW (Loan)</b>	<b>Gok Financial Own Contribution</b>
1.1 Accompanying Measure Consultants	€ 3,000,000	€ 3,000,000	€ 0
1.2 GST on AM Consultants	€ 540,000	€ 0	€ 540,000
<b>TOTAL</b>	<b>€ 3,540,000</b>	<b>€ 3,000,000</b>	<b>€ 540,000</b>

<b>Financial Source</b>	<b>Amount</b>	<b>Percentage</b>
KfW (Grant)	€ 3,000,000	85%
GoK (own contribution, Incl, GST)	€ 540,000	15%
<b>TOTAL</b>	<b>€ 3,540,000</b>	<b>100%</b>



## 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 completed in this quarter (Oct'20-Dec'20). Since there is no construction activity that has been executed in the reporting period, construction progress is not covered in this report and it will be reported in the forth coming reports once the construction activities execution starts.