

PROJECT MANAGEMENT FOR CLIMATE-RESILIENT RECONSTRUCTION AFTER FLOODING IN KERALA



MONTHLY PROGRESS REPORT FOR THE MONTH OF MARCH 2021



Monthly Progress Report – March 2021

Project Name	Consulting Services for Project Management of Climate-Resilient Reconstruction after Flooding in Kerala	
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1. Introduction

1.1. Project Background

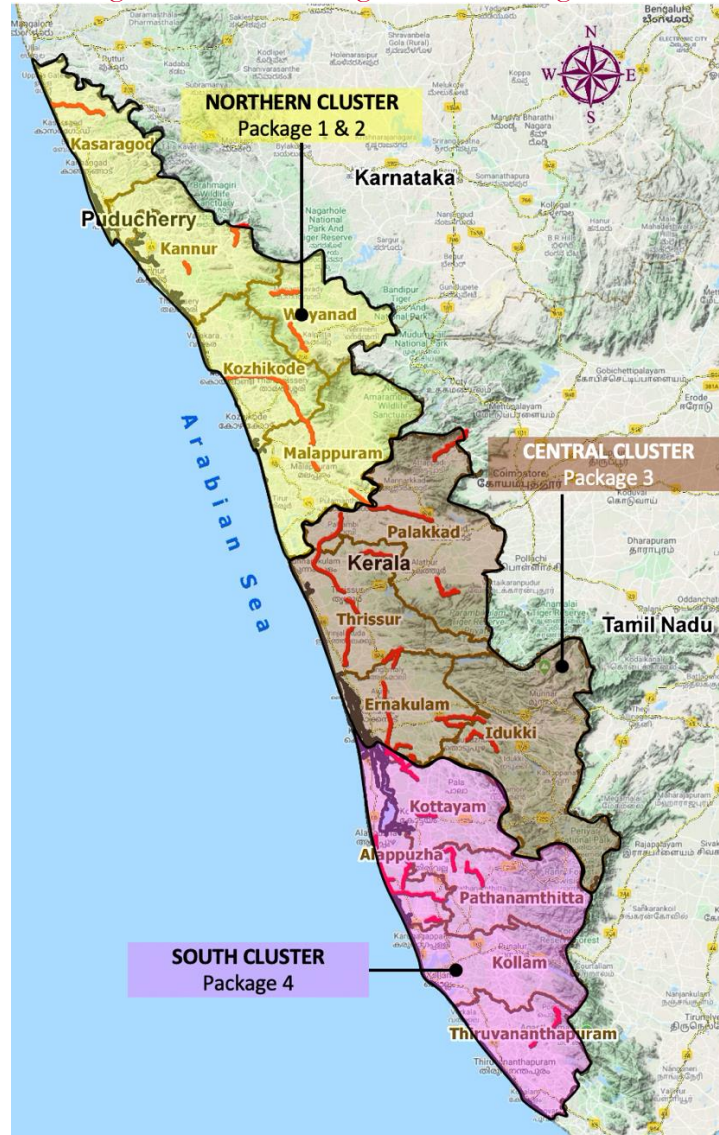
Kerala, a coastal State in the south of India, was inundated with a once in 100-year state-wide flood in 2018, by way of unusually high rainfall, that led to damages of nearly USD 5.6 billion, affected 5.4 million people, and left 483 people dead. This disaster, which affected thirteen out of the fourteen 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), a wing of PWD of Government of Kerala, and hereafter referred to as 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. 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 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.

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)	33.24
10	Rd-10	Ernakulam	MDR	Arakunnam-Amballoor-Poothatta-Piravam Road (Additional Road Added)	7.98
Total Length of Roads (Kms)					238.39

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, Agreement has been signed with M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd on 17th Mar’2021.
- 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

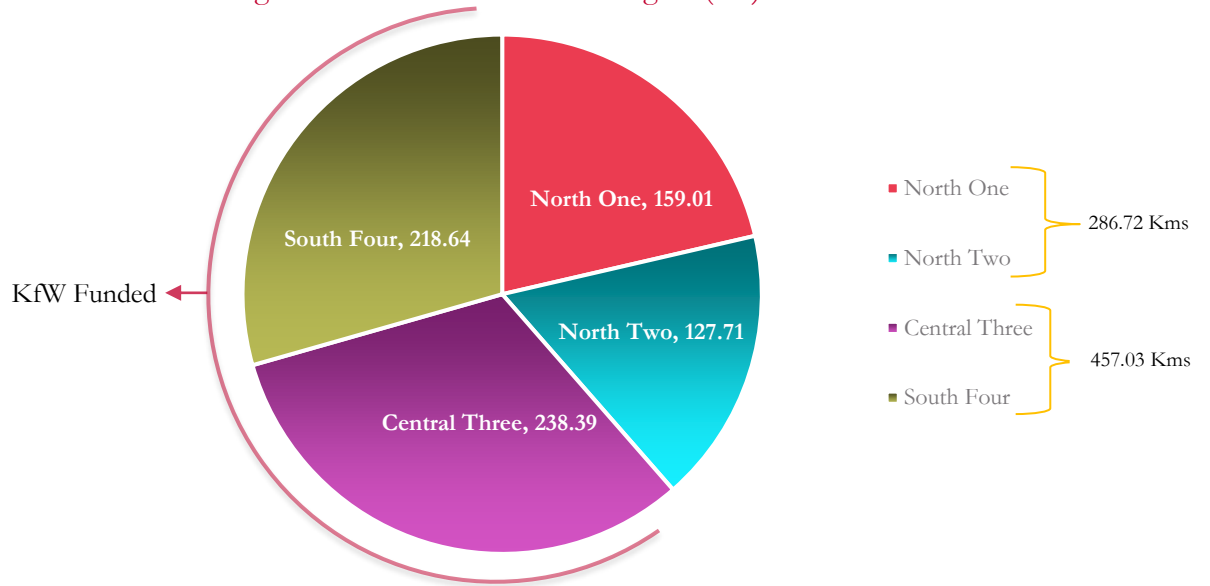
No	Contract Name	Package	Awarded to
1	Consulting Services for Construction Supervision for Climate Resilient Reconstruction after Flooding in Kerala	3 & 4	Evaluation in progress
2	Consultancy Services For Authority’s Engineer For Supervision Of ‘Rehabilitation &Upgrading the State Highways & Major District Roads, having varying width, by Climatic Resilient Reconstruction, 6 roads in the Northern Districts of Kannur, Kasaragod, Kozhikode & Wayanad of Kerala State 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 743.75 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.:

Figure 2 Bifurcation of Road Lengths (km)



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 :6
Report Duration	1-March-2021 to 31-March-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	Remarks
Key Experts						
1	Team Leader	Mohan K. Krishnan Poduval	18-Aug-2020	-	33	Full Time
2	Senior Cost Surveyor	Shalini Thomas	20-Aug-2020	-	30	Full Time
3	Contract/Procurement Expert	Sanjeev Agarwal	18-Aug-20	08-Sep-2020	33	Full Time
4	Environmental & Social Specialist	AM Reddy	29-Oct-2020	-	30	Full Time
5	Community Liaison Officer	Dilkush K	16-Sep-2020	-	30	Full Time
Non-Key Experts						
6	Materials & Pavement Engineer	Sunil Srivastava	10-Feb-2021	-	16	Full Time
7	Highway Engineer	Ambedkar Chilka	15-Feb-2021	-	20	Full Time
8	Bridge Engineer	S. Prasad	25-Feb-2021	-	16	Full Time
9	Planning Engineer	Amrutha	18-Aug-2020	07-Nov-2020	30	Full Time
		Y. Srikanth	8-Nov-2020	-		
10	Accompanying Pool of Experts (Intermittent)		11-Jan-2021		20	Intermittent
Supporting Staff						
7	Document Controller	Kishore Nair	24-Sep-2020	-	30	Full Time
8	Accountant	Balu V	23-Nov-2020	-	30	Full Time

Source: Louis Berger Analysis

4.3. 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	PMC Team Site Visit RKI 09	Date :1 st Mar'21 Location : RKI 09 (Alapuzha- Changanassery Road)	Highway engineer, Bridge Engineer,Pavement engineer and Community Liasoning Officer of PMC team visited site for inventory Survey
1	Meeting with Chief Engineer KSTP	Date :1 st Mar'21 Location : KSTP	Discussion on Key Issues
2	Meeting with AEE Smt.Shima S Baiju	Date : 21 st Mar'21 Location: KSTP	1) QPR 01 Finalization for Submission to KfW 2) PMM discussion
2	Meeting with Chief Engineer KSTP	Date : 24 th Mar'21 Location: KSTP	Discussion on M&E Framework, PMC Advance Payment, Financial Disbursement, and status of Pkg 3 Bids
3	Meeting with AEE Smt.Shima S Baiju	Date : 24 th Mar'21 Location : KSTP	Discussion on PMM
4	Meeting with Chief Engineer KSTP	Date : 27 Mar'21 Location : KSTP	Discussion on reply to KfW Correspondences

4.4. Table of Correspondences

Table 9 List of Outward Correspondences in March'21

Sr. No	Letter No.	Addressed To	Reference	Subject	Submitted	
1	4800221-GGN-OC-84	CE KSTP	1) OC-30 dt06/11/2020 2)OC-74 dt05/02/2021 3)OC-75 dt05/02/2021 4)/J821/2019-EE-P(4)dt18/08/2020	Submission of CV's for key & Non Key Experts	04.03.2021	
2	4800221-GGN-OC-85	CE KSTP	KSTP/J821/2019-EE-P(4)dt18/08/20	Submission of Draft Project Management Manual	05.03.2021	
3	4800221-GGN-OC-86	CE KSTP	1)OC-79 dt18/02/2021 2)OC-47 dt11/12/2020 3)KSTP/J821/2019-EE-P(4)dt18/08/2020	Approval Request for contract / Procurement Expert (K4)	05.03.2021	
4	4800221-GGN-OC-87	CE KSTP	1)OC-71 dt28/01/2021 2)KSTP/J821/2019-EE-P(4)dt18/08/2020	Additional Information for KFW for Health and Safety officer (K6)	05.03.2021	
5	4800221-GGN-OC-88	CE KSTP	1)KSTP/J821/2019-EE-P(4)dt18/08/2020	Submission of Monthly Progress Report for February 2021	09.03.2021	
6	4800221-GGN-OC-89	CE KSTP	1)KSTP/J821/2019-EE-P(4)dt18/08/2020	Submission of Quarterly Progress Report for October to December 2020	09.03.2021	
7	4800221-GGN-OC-90	CE KSTP		Submission of Technical Evaluation of Bids - KSTP II /RKI/Pkg III/R4	12.03.2021	
8	4800221-GGN-OC-91	CE KSTP	1)OC 82 dt24.02.2021 2)OC 63 dt18.01.2021 3)OC 51 dt22.12.2020	Updated Application for Advance payment	18.03.2021	
9	4800221-GGN-OC-92	CE KSTP	1) KSTP/J821/2019-EE-P(4) dt 18/08/2020	Submission of TOR for Innovative Materials Study	18.03.2021	
10	4800221-GGN-OC-93	CE KSTP	1)OC 91 dt18.03.2021 2)OC 82 dt24.02.2021 3)OC 63 dt18.01.2021 4)OC 51 dt22.12.2020	Updated Application for Advance payment	20.03.2021	
11	4800221-GGN-OC-94	CE KSTP	1) OC 82 dt24.02.2021 2)OC 63 dt18.01.2021 3)OC 51 dt22.12.2020	Submission of updated undertaking/ Bank Guarantee Attached	20.03.2021/ 22.03.2021	
12	4800221-GGN-OC-95	CE KSTP	1)KSTP/J821/2019-EE-P(4)dt18/08/2020 2)OC 89 dt09.03.2021	Submission of Quarterly Progress Report for October to December 2020(Revision 1)	22.03.2021	
13	4800221-GGN-OC-96	CE KSTP		Bid document and seven bids	Pkg 3 R9 Thrissur - Kuttipuram : Submission of Technical Evaluation of Bids	24.03.2021
14	4800221-GGN-OC-98	CE KSTP		Bid document and Two bids	Pkg III R10 Arakunnam - Amballoor : Submission of Technical Evaluation of Bids	30.03.2021
15	4800221-Contracts-AE-1/06	KSTP	Egis India/HO/KSTP-II/67829/2021 dt12.03.2021	Replacement of Sr. Quantity Surveyor of Authority Engineer -1	30.03.2021	
16	4800221-Env & Soc /02	KSTP - CE	DPR ESIA & ESMP reports submitted by the FEEDBACK INFRA, Bangalore,India Feb 2021	Comments on DPR ESIA & ESMP	10.03.2021	
17	4800221-Contracts-RKI-09/04	KSTP	1) KSTP/352/2020/AE7 dt 24/02/2021 2)ULCCS/ENGG/8787/2020-21 dt06.11.21 3) 344/KSTP/PMT/PWD/2020 dt27/10/2020	Submission of Proposal for Insurances		
18	4800221-Contracts-RKI-09/05	KSTP	1) KSTP/359/2020/AE7 dt 29.02.2021	Comments on Design drawings submitted	09.03.2021	
19	4800221-Contracts-RKI-09/06	KSTP	1) KSTP/359/2020/AE7 dt 29.02.2021 2) Contracts-RKI-09/05 dt 09.03.2021 3)ULCCS-EVRASCON/ENGG/8787/2020-21	Observations on Revised Plan & Profile	17.03.2021	
20	4800221-Contracts-RKI-09/07	KSTP	1)KSTP/359/2020/AE7 dt 29.02.2021 2)Contracts-RKI-09/05 dt 09.03.2021 3)Contracts-RKI-09/06dt 17.03.2021 4)ULCCS-EVRASCON/ENGG/8787/2020-21	Approval of Revised Plan & Profile	23.03.2021	
21	4800221-Contracts-RKI-09/08	KSTP	KSTP/359/2020/AE7 dt 29.02.2021	Approval of Drain, Utility Duct & Culvert	25.03.2021	
22	4800221-Contracts-RKI-09/09	KSTP	KSTP/359/2020/AE7 dt 29.02.2021	Observations on Minor Bridge	30.03.2021	

Table 10 Inward Correspondences Mar'21

S.NO	Received On	From	Lette No	Subject/Particulars
1	01-Mar-21	KFW - JAN	email	Response KFW Kerala Road Execution of work Concurrence
2	01-Mar-21	KFW - JAN	email	Response KFW Kerala Road Swap of roads to be financed with KFW resources
3	01-Mar-21	KSTP - CE	email	PKG III R4-Technical Bid Kumarakom -Nedumpassery Road
4	02-Mar-21	KSTP PMT - AE	email	PKG III R7-Bid Details
5	02-Mar-21	KMC - PM	KMC-CO/KSTP(RKI)/Pkg-7/2021/32	Request for Source approval of the Mangalore Refinery Pterochemicals Ltd - Bitumen VG 30
6	02-Mar-21	KMC - PM	KMC-CO/KSTP(RKI)/Pkg-7/2021/33	Request for Source approval of the Bharat Petroleum Corporation Limited - Bitumen VG 30,SS 1 & RS 1
7	03-Mar-21	KMC- Balarami Reddy	email	Submission of Plan & Profile for Km 0+000 to 5+000 Km
8	03-Mar-21	KFW - Kornel	email	No Objection Letter Final Draft Contract
9	06-Mar-21	Tender Agent,KSTP/KFW	email	KSTP - Construction Supervision - Draft Technical Evaluation Report
10	08-Mar-21	KSTP	email	Minutes of Application /Offer Opening
11	08-Mar-21	KFW-JAN	email	Draft Contracts
12	09-Mar-21	KFW-JAN	email	Draft Contracts Agreement PKG IV R1
13	09-Mar-21	KFW-JAN	email	Time Line /end of bidding periods for remaing tenders
14	09-Mar-21	KFW-JAN	email	Response:KFW Kerala road swap of roads to be financed with kfw resources
15	10-Mar-21	KFW - Kornel	email	Draft RFP on Vulnerability Assessment
16	10-Mar-21	epista- Vijay	email	Kerala Road Swap of roads to be financed with kfw resources - P4 R6
17	12-Mar-21	KMC- Balarami Reddy	KMC-CO/KSTP(RKI)/Pkg-7/2021/37	Submission of Plan & Profile for Km 10+000 to 20+000 Km
18	12-Mar-21	KSTP - CE	ULCCS-EVRASCON/ENGG/8787/2020-21	Revised Design drawing and compliance report submission
19	15-Mar-21	EGIS	email	Authority Engineers Approval on Contractors Submission
20	15-Mar-21	KMC- Balarami Reddy	KMC-CO/KSTP(RKI)/Pkg-7/2021/38	Reg. Mobilization of Key personnel
21	15-Mar-21	KMC- Balarami Reddy	KMC-CO/KSTP(RKI)/Pkg-7/2021/39	Objection raised by local people related to ROW marking
22	15-Mar-21	KMC- Balarami Reddy	KMC-CO/KSTP(RKI)/Pkg-7/2021/40	Hinderance of Works due to optical Fibre Cable(OFC)
23	15-Mar-21	KMC- Balarami Reddy	KMC-CO/KSTP(RKI)/Pkg-7/2021/41	Submission of Mix Design M15, M20,M25 AND M30
24	15-Mar-21	KSTP - CE	email	Road Levels Comparison
25	17-Mar-21	KSTP - CE	email	Kakkadassery - Kaliyar Road - Technical Bid Opening
26	17-Mar-21	KFW-JAN	email	Request for Feedback/update on several draft contracts
27	18-Mar-21	KFW-JAN	email	KFW KSTP Road Project Gentle Reminder
28	18-Mar-21	KFW-JAN	email	Update : KFW KSTP Road Project Gentle Reminder
29	18-Mar-21	KFW-JAN	email	PKG III R3(Muvattupuzha - Theni) - Reg
30	19-Mar-21	KFW-JAN	email	KFW Kerala Road Swap of Roads to be financed with kfw resources - P4 R6 - DPR Feedback from KFW
31	19-Mar-21	KFW-JAN	email	WG: Update : KFW KSTP Roads Projects Gentle Reminder
32	19-Mar-21	KSTP - CE	email	PKG 03 R10 Arakunnam-Piravam - Technical Evaluation Document
33	19-Mar-21	KSTP - CE	email	PKG3 R9 Thrissur-Kuttiappuram Road - Technical Evaluation
34	19-Mar-21	KSTP - AE	email- Egis: India/HO/KSTP-II/67829/2021	Submission of replacement CV for the position of Senior Quantity Surveyor for Approval
35	19-Mar-21	KSTP - AE	KSTP/128/2020-AE6	Approval Letters
36	19-Mar-21	KSTP - CE	SDC/KOZ/2021/02 SDC/KOZ/2021/03	Appointment of Design Director / Appointment of Road Safety Consultant

Table 11 Inward Correspondences Mar'21

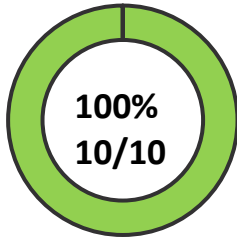
S.NO	Received On	From	Lette No	Subject/Particulars
37	19-Mar-21	KSTP - CE	KSTP/PMT/84/2021/AE-2	Contract Agreement
38	22-Mar-21	KFW-JAN	email	PKG IV R6 TVN PON - Feedback from KFW
39	22-Mar-21	KFW-JAN	email	PKG III R3 - TBER
40	22-Mar-21	KSTP - KMC	KMC-CO/KSTP(RKI)/Pkg-7/2021/47	Submission of Environmental Management Plan
41	22-Mar-21	KSTP- KMC	KMC-CO/KSTP(RKI)/Pkg-7/2021/48	Issue of form 5 for the labour license
42	22-Mar-21	KSTP- KMC	KMC-CO/KSTP(RKI)/Pkg-7/2021/50	Submission of Traffic Management Plan
43	23-Mar-21	KFW-JAN	email	PKG 03 R1 - TBER/FBER and replacement of Key personnel
44	23-Mar-21	KFW-JAN	email	PKG 03 R4 Kumarakom - Nedumbassery : Reg TBER
45	24-Mar-21	KFW-JAN	email	PKG IV R6 -DPR Feedbak from KFW
46	24-Mar-21	KFW-JAN	email	PKG III R 4 - TBER
47	24-Mar-21	KMC- Balarami Reddy	KMC-CO/KSTP(RKI)/Pkg-7/2021/49	Submission of Revised Mix Design M15, M20,M25 AND M30
48	25-Mar-21	KSTP - CE	ULCCS-EVRASCON/ENGG/8787/2020-21	Appointed date
49	25-Mar-21	KSTP	email & Letter	Letter of Acceptance - Clarification Sought for
50	26-Mar-21	KSTP	KSTP/130/2020-AE1	Letter of Acceptance
51	26-Mar-21	KFW-JAN	email	Relaxation in the Performance guarantee/Security Deposit
52	26-Mar-21	KFW-JAN	email- KFW Letter	PKG 4 R3 & R4 - No Objection to the Draft Contract for the Tender Package
53	27-Mar-21	KSTP - CE	email - KSTP/227/2020-AE9	Approval of Expert as part of Steering Accompanying Measures , E7 Environmental Specialist and Steering Accompanying Expert for Innovative Materils Study & Mobilization Update
54	27-Mar-21	KSTP - CE	email	Draft Agreement of Subject work
55	29-Mar-21	LB - HR	email	Order issued by Government of Kerala - Declaration of Public holiday on 6th April (Election)
56	29-Mar-21	Epista- Vijay	email	PKG IV R6 - ESIA and FDPR
57	23-Mar-21	ULCCS - PM	ULCCS-EVRASCON/ENGG/8787/2020-21	Revised Design drawing and compliance report submission
58	23-Mar-21	EGIS - TL	email	Authority Engineers Approval on Contractors Submission
59	29-Mar-21	KSTP	By post - KSTP/PMT/128/2020-(Part-2)/AE-2	Replacement for ARE-4
60	29-Mar-21	KFW-JAN	email	PKG III R3 - Reg
61	29-Mar-21	KMC- Balarami Reddy	KMC-CO/KSTP(RKI)/Pkg-7/2021/053	Stoppage of earth work due to model code of conduct
62	30-Mar-21	KFW-JAN	email	PKG IV R6 - AW:ESIA and FDPR
63	30-Mar-21	KSTP - CE	email	PKG III R3 - Evaluation of Financial Bids for the Work
64	30-Mar-21	KFW-JAN	email	PKG IV R6 - AW:ESIA and FDPR
65	30-Mar-21	KSTP -CE	By hand - KSTP/330/2020/AE-2	Agreement Forwarding
66	31-Mar-21	KSTP - CE	email	PKG IV R2 Vadayar -Muttichira : Technical Bid Opening
67	31-Mar-21	KFW-JAN	email	Quarterly Progress Report 01(Oct 20 - Dec 20)
68	31-Mar-21	KSTP - CE	email	PKG III R8 Vazhakkodu - Plazhy : Technical Bid Opening

5. Progress of Construction

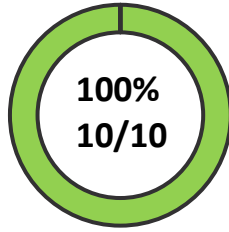
List of the Consultant(s) and Contractors incl. brief description of each Contractor’s tasks, contract volume and results, appendices:

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

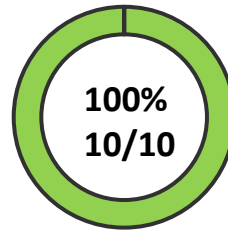
North Package 01 & 02 (Funded by World Bank)



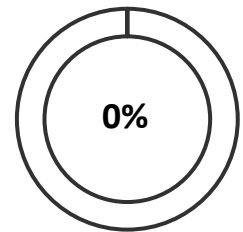
Tenders Published



Tenders Opened



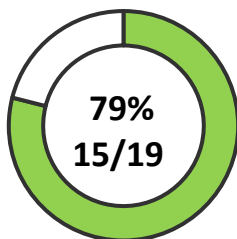
Contracts Awarded



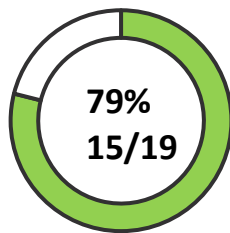
Construction Progress

- In North Packages, all the contractors are on board and appointed date has been issued for 7 roads out of 10 roads.
- Mobilization advance of Rs.15.26 Cr has been issued to RKI10,11,13,14 and Rs.16.12 Cr to RKI 06 & RKI 08
- M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd has been appointed as Authority Engineer 02 for North Package 01 and agreement has been signed on 17th Mar’21.

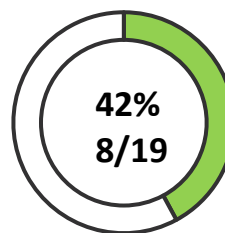
Central Package 03 & South Package 04 (Funded by KfW)



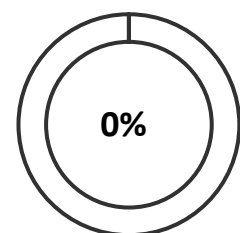
Tenders Published



Tenders Opened



Contracts Awarded



Construction Progress

- In Central Package 03, 2 roads (Rd-1,Rd-7) LOA has been issued, Rd 07 agreement has been signed , 6 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, 2 Roads (Rd 5,8)Agreement signed, 1 road (Rd-2) in tender evaluation stage and 2 road (Rd-6 & Rd-9) are in DPR approval stage.

5.1. Status of North Package 01 & 02

Table 12 Status of North Package 01 & 02

Procurement Status of North Package 01 & 02 funded by World bank under EPC Mode												
S.No	Package	Road Ref No	Description	District	Length (Kms)	Duration	Maintenance Period	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	28-Oct-20	107.45	29-Dec-20	M/s ULCCS	* Mobilization advance of Rs.2.06 Cr has been issued to the Contractor * 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	28-Oct-20	136.21	21-Dec-20	M/s RDS Projects	* Mobilization advance of Rs.5.60 Cr has been issued to the Contractor ** Site Installation and Survey Works are in progress
3		RKI-12	Uruvachal Manakkayi valayal (including bridge pallellel to aqueduct at valayal)-Keezhallur Therur Palayod-Vellaparamba Karimbala Colony Maruthaayi Road	Kannur	18.46	18	60	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	14-Dec-20	167.99	21-Jan-21	M/s RDS Projects	* Mobilization advance of Rs.3.18 Cr has been issued to the Contractor *Site Installation and Survey Works are in progress
5		RKI-14	Koyilandy Thamrassery Mukkam Areekode Edavanna road	Kozikode	46.32	24	60	16-Feb-21	221.065	TBN	M/s. Sreedhanya Construction Company	* Mobilization advance of Rs.4.42 Cr has been issued to the Contractor *Site Installation and Survey Works are in progress
6		RKI-15	Vythiri-Tharuvana road	Wayanad	13.335	16	60	10-Mar-21	63.9	TBN	M/s. Midland Engineering and Contracting Company	*Site Installation and Survey Works are in progress
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	07-Oct-20	144	20-Jan-21	M/s KMC Constructions	*Plan & Profile for 9Kms (39+000 to 48+000) approved *Culvert (27 Nos)/RCC Drain/Retaining Wall drawings approved *GSB & WMM Mix design approved * Road Excavation,Side drains and culvert works are in progress
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	08-Oct-20	189.76	23-Nov-20	M/s Shreedanya Construction Company	* Mobilization advance of Rs.9.48 Cr has been issued to the Contractor *Plan & Profile of 5.8Kms approved *Culvert drawings 23 Nos approved *RCC Precast drain - 3.8km Casted/ drain erection started *Road Excavation works are in progress
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	13-Nov-20	323.10	27-Jan-21	M/s KMC Constructions	*Plan & Profile of 10Kms approved *Culvert,Retaining wall and drain drawings review in progress *Road excavation,drain excavation and culvert widening works are in progress
10		RKI-8	Thavalam Mully Road CH 0/000 to 28/800	Palakkad	28.5	18	60	28-Oct-20	132.8	23-Nov-20	M/s Akshya Builder JV EKK	* Mobilization advance of Rs.6.64 Cr has been issued to the Contractor * Plan & profile CH 0+450 to 9+990Kms approved *RCC drain drawings approved with comments * Road excavation works are in progress
Total Length of North Package 1 & 2 (Kms)					286.72							

5.2. Authority Engineer:

5.2.1. Authority Engineer 01:

- ❖ M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd has been awarded the supervision works of North Package 02.

Key Personnel Mobilization of Authority Engineer 01 are presented in the below table

Table 13 AE 01 Key Personnel Mobilization

Sl.No	Position	Name of the Person
1	Team Leader	Ramana Rao Bhogati
2	Resident Engineer cum Pavement Specialist Road safety Expert	P.N. Sasikumar
3	Assistant Resident Engineer 1	Desireddy Pavan K Reddy
4	Assistant Resident Engineer 2	Jailabdeen
5	Assistant Resident Engineer 3	Sanu Soman
6	Assistant Resident Engineer 4	Yet to be mobilized
7	Road Safety Expert	Bala Uttam
8	Sr. Contract Specialist	Kota Srinivasa Sastry
9	Highway Design Specialist	Nirupam Singh
10	Bridge Design Specialist	Rashid Najfi
11	Senior Quantity Surveyor	Yet to be mobilized
12	Bridge/Structural Engineer	Vijil K Arjun
13	Material Engineer	Saji Mon
14	Environmental Specialist	Hari Shankar Prasad
15	Health & Safety Engineer	Durga Kiran Kotra
16	Labour / Social Specialist	Ravindra

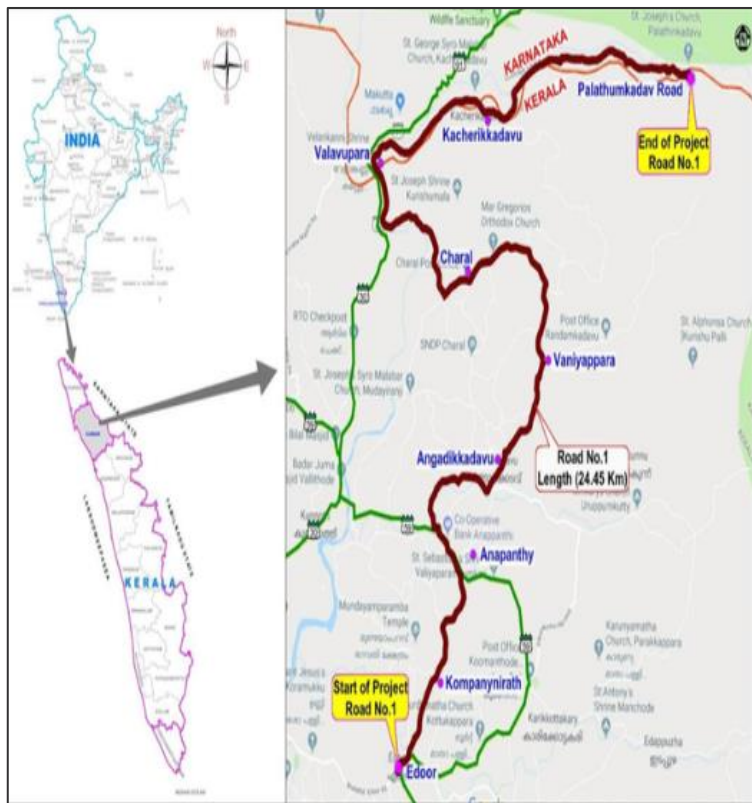
5.2.2. Authority Engineer 02:

- ❖ M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd has been appointed as Authority Engineer 02 for North Package 01 and agreement has been signed on 17th Mar'21.

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, Angadikkadavu, 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

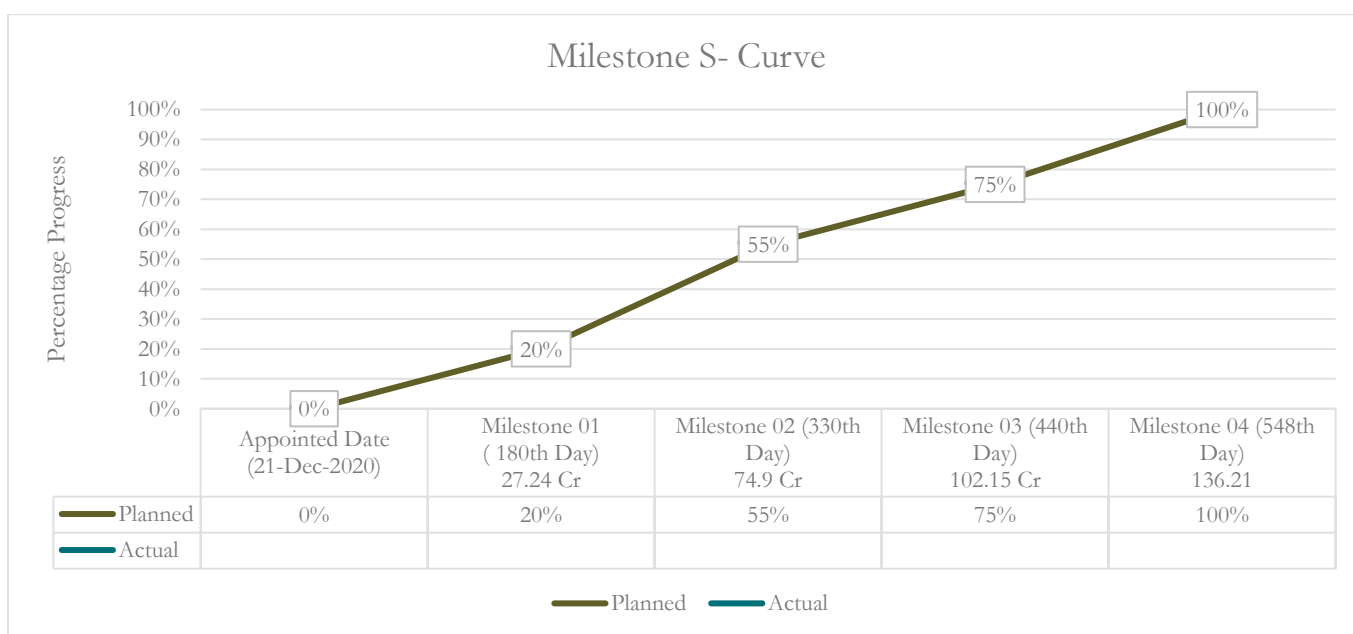
Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date	Original Date of Completion
M/s RDS Projects Ltd	18	136.21	21-Dec-2020	22-June-2022

Status as on 31st Mar'2021:

- ❖ Site installation and survey works are in progress
- ❖ Mobilization advance of Rs.5.60 Cr has been issued to the contractor in two instalments)

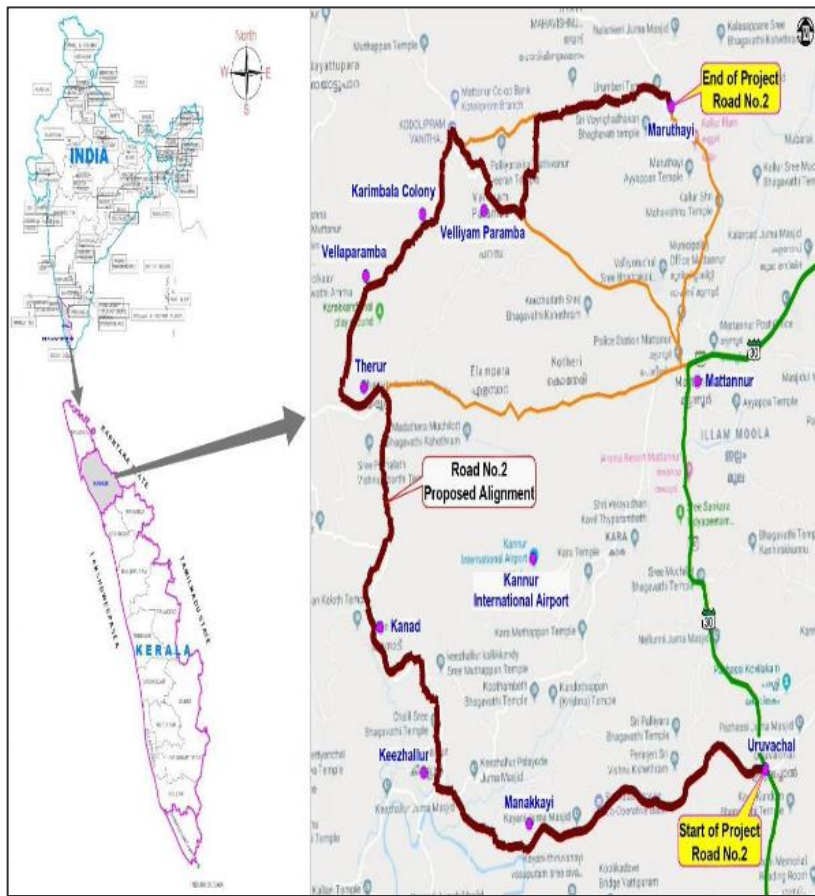
Milestone Schedule:

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-Valayal, Kezhallur Therur-Palayod, Vallaparmba-Karimbala Colony- Kodolipram & Cholakkari-Nerammal- Maruthaayi road in Kannur district.

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) 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

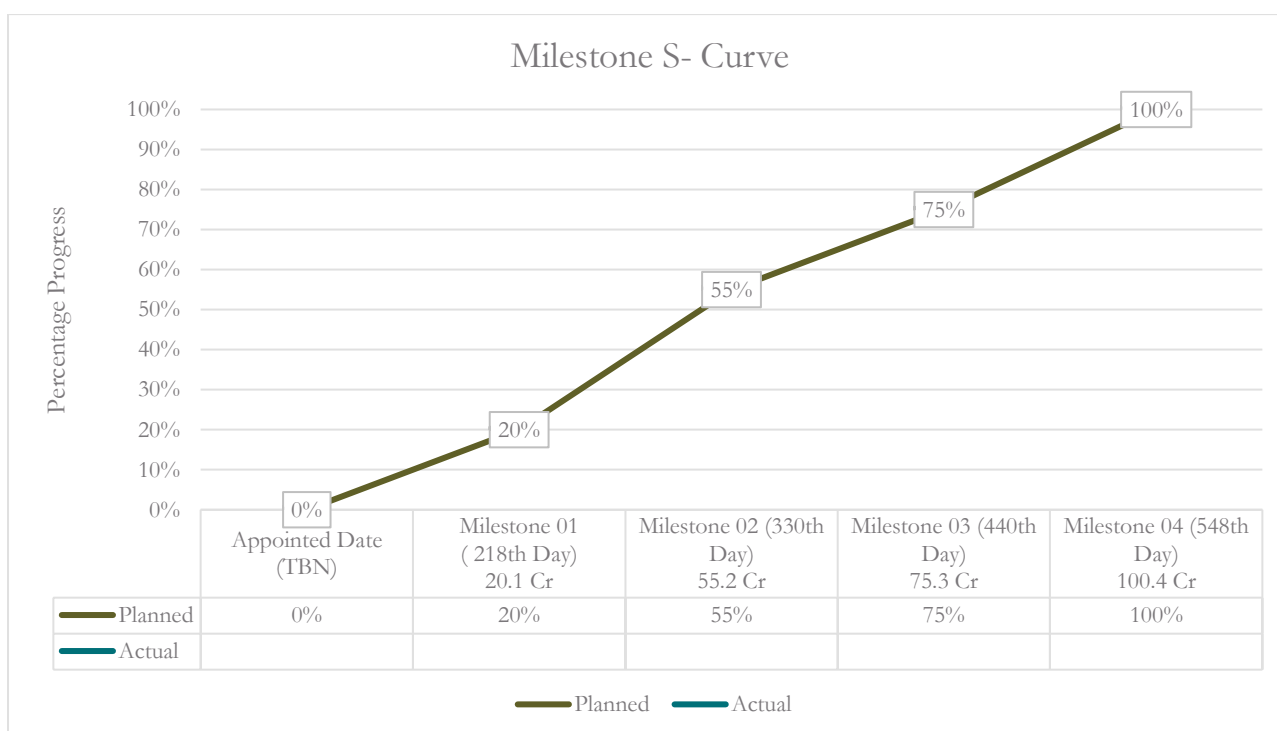
Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/s Engineering Projects (India) Ltd	18	100.42	To be Notified

Status as on 31st Mar'2021:

- ❖ Inventor survey in progress

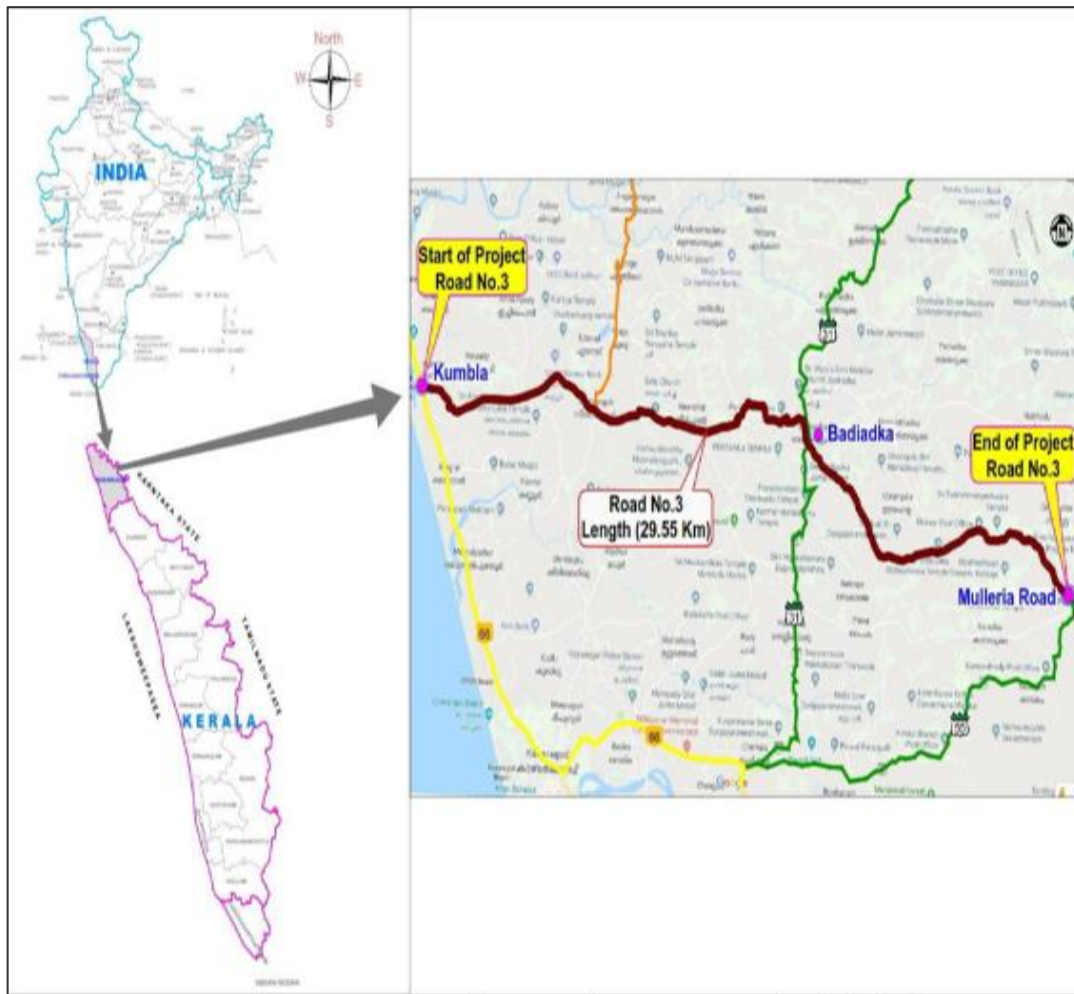
Milestone Schedule

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 Kumbla – Badiadka - Mulleria Road: Km 0+000 (Kumbla) 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.



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 Kumbla, 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

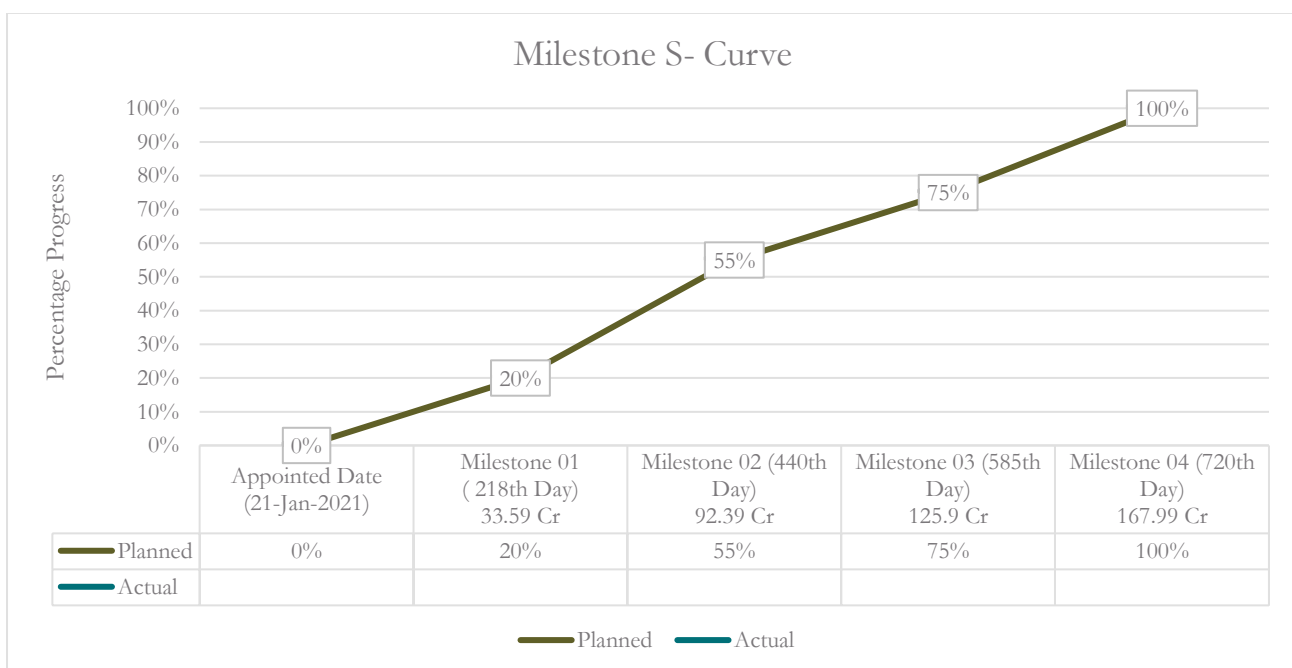
Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date	Original Completion Date
M/S RDS Project Ltd.	24	168	21-Jan-2021	11-Jan-2023

Status as on 31st Mar'2021:

- ❖ Site installation and survey works are in progress
- ❖ First Mobilization advance of Rs.3.18 Cr has been issued to the contractor

Milestone Schedule

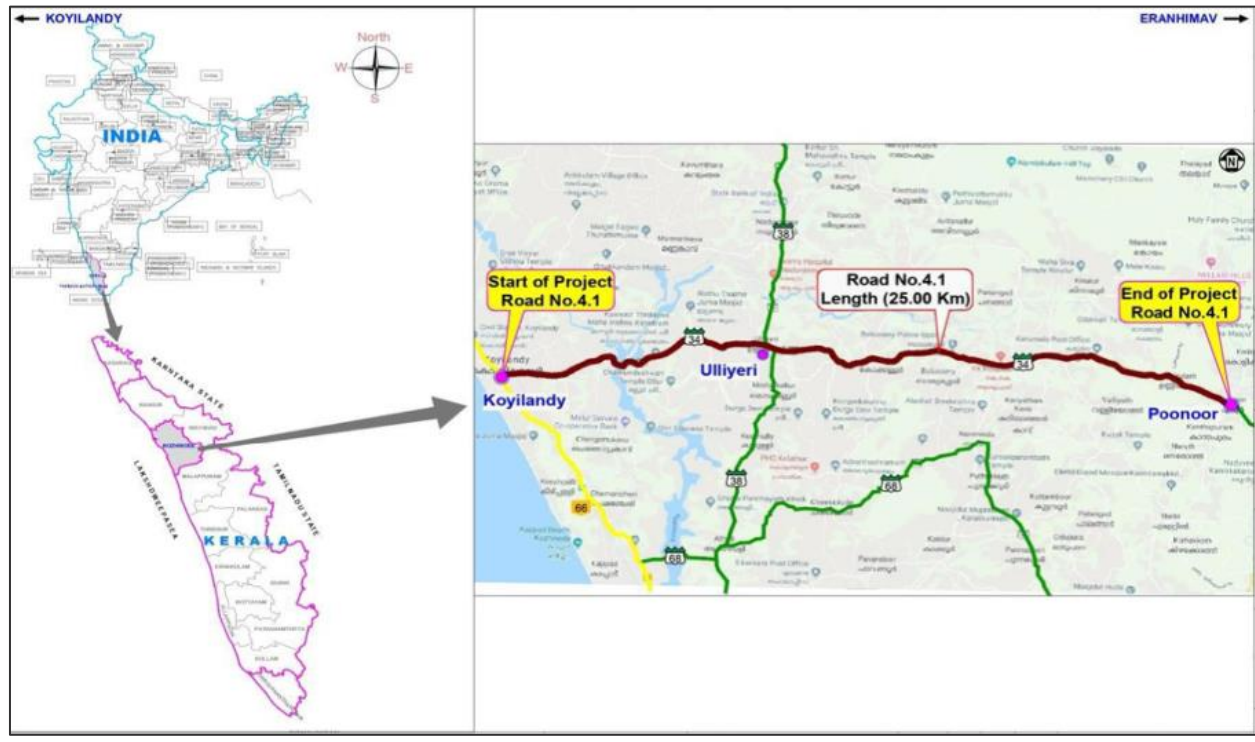
Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress %age	Scheduled Date	Actual Date		
Milestone I	218	20%	-	27-Aug-21	-	-	
Milestone II	440	55%	-	06-Apr-22	-		
Milestone III	585	75%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



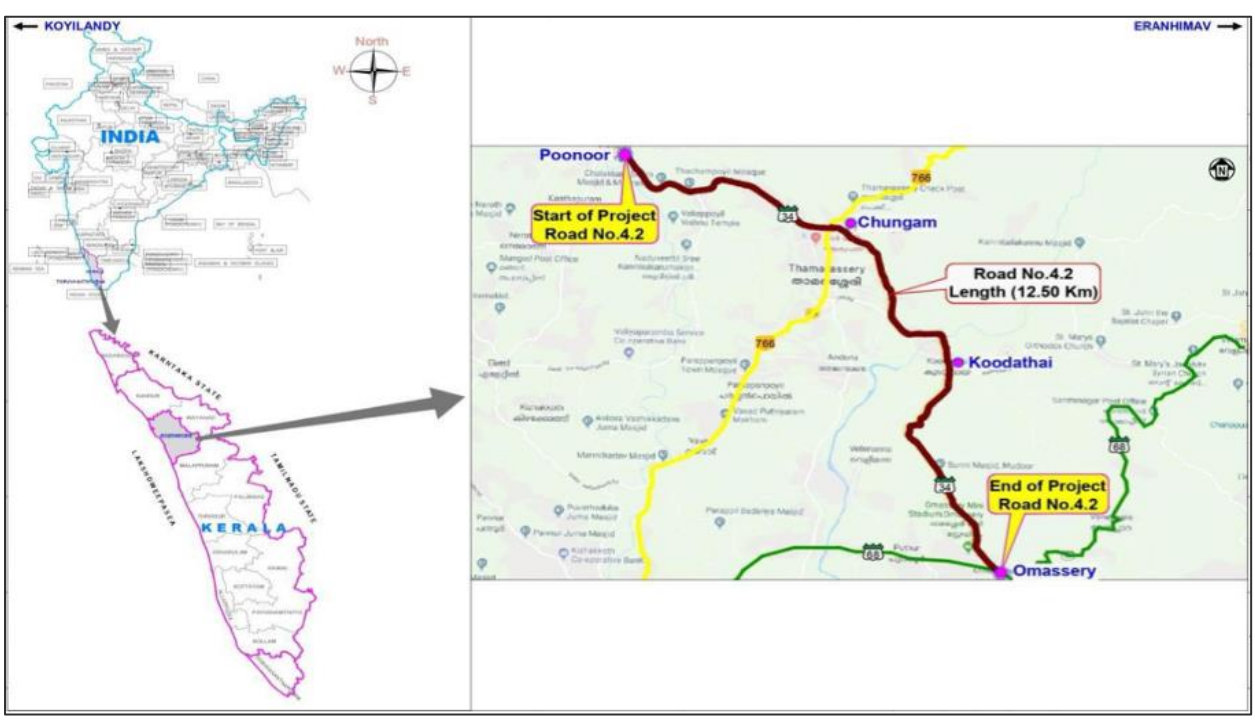
4) RKI-14 : Upgrading SH 34 Koyilandy –Thamarassery – Mukkam – Areekode Eranhimavu Road under Re-build Kerala Initiative

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

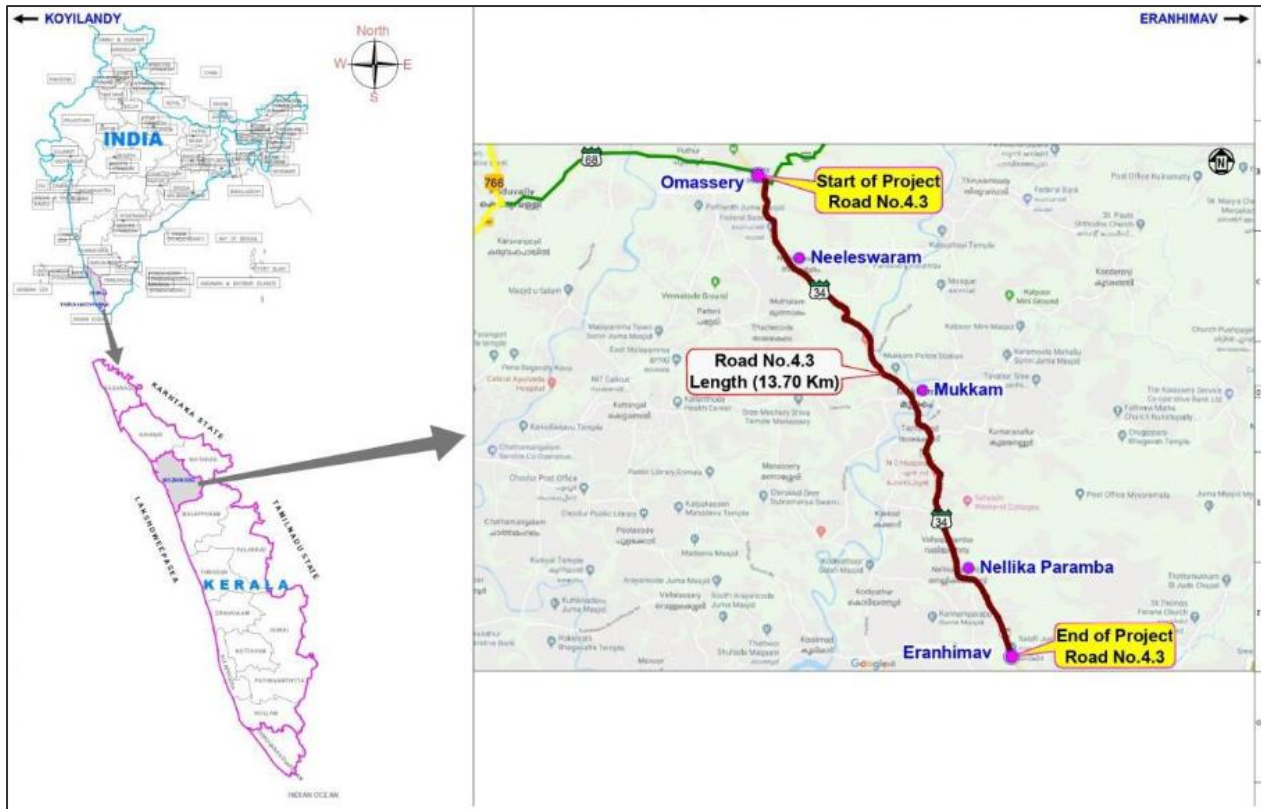
Location of Map Showing i) Koyilandy to Ponnor



Location of Map Showing ii) Ponnor - Omassery



Location of Map Showing iii) Omassery to 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.

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
Aquaduct	:	1

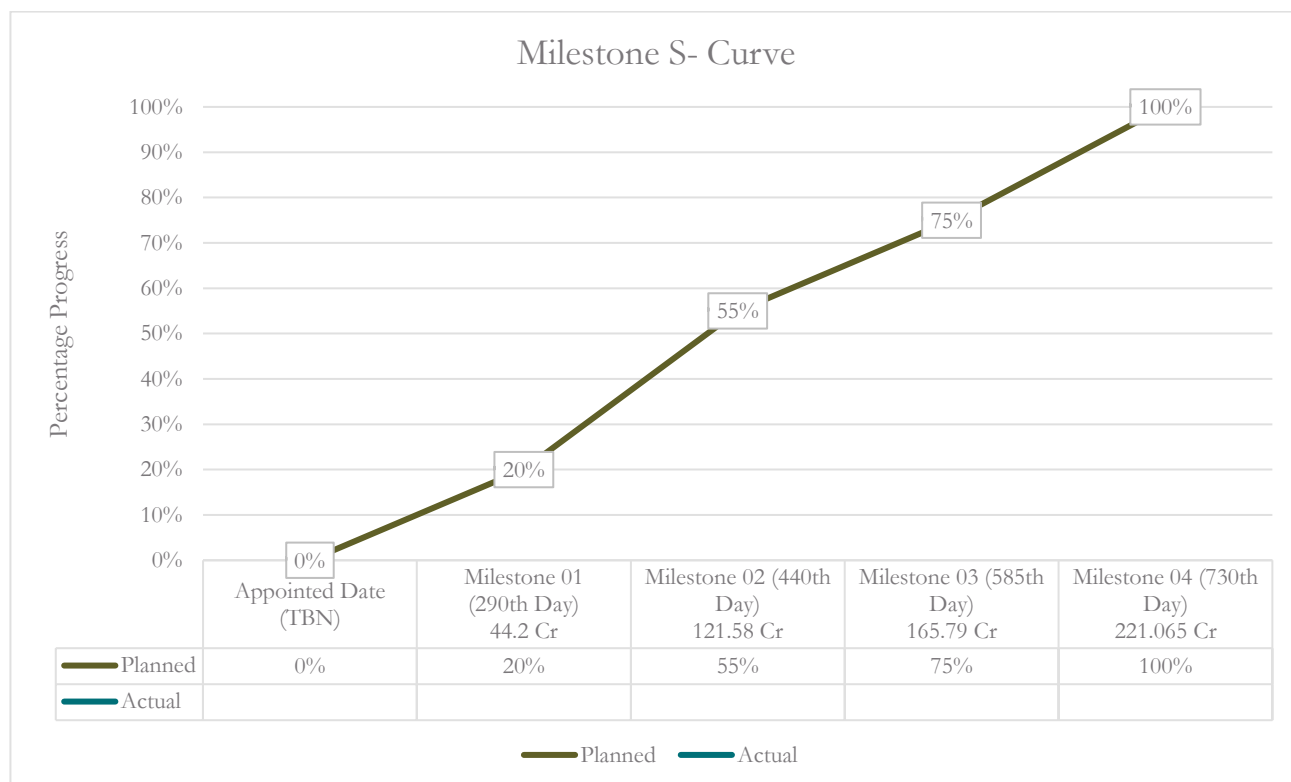
Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/s. Sreedhanya Construction Company	24	221.065	TBN

Status as on 31st Mar'2021:

- ❖ Inventor survey in progress

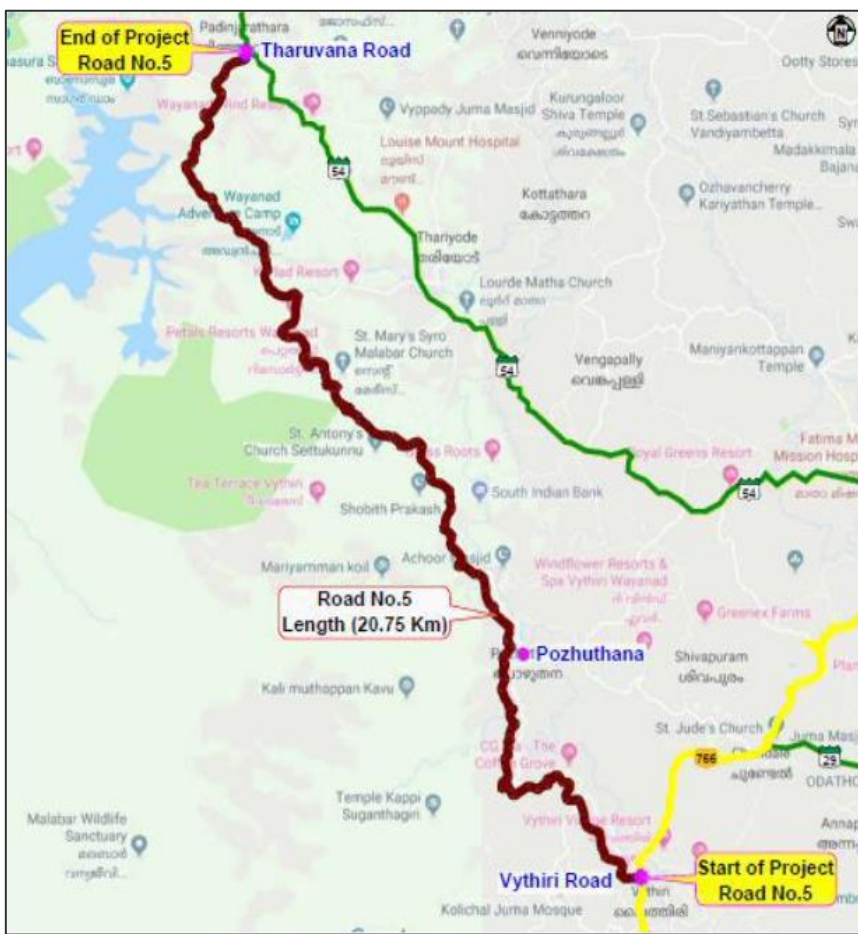
Milestone Schedule:

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	290	20%	-	Appointed Date yet to be notified	-	-	
Milestone II	440	55%	-		-		
Milestone III	585	75%	-		-		
Milestone IV	730	100%	-		-		



5) RKI-15: Upgrading Vythiri - Tharuvana Road

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 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.

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

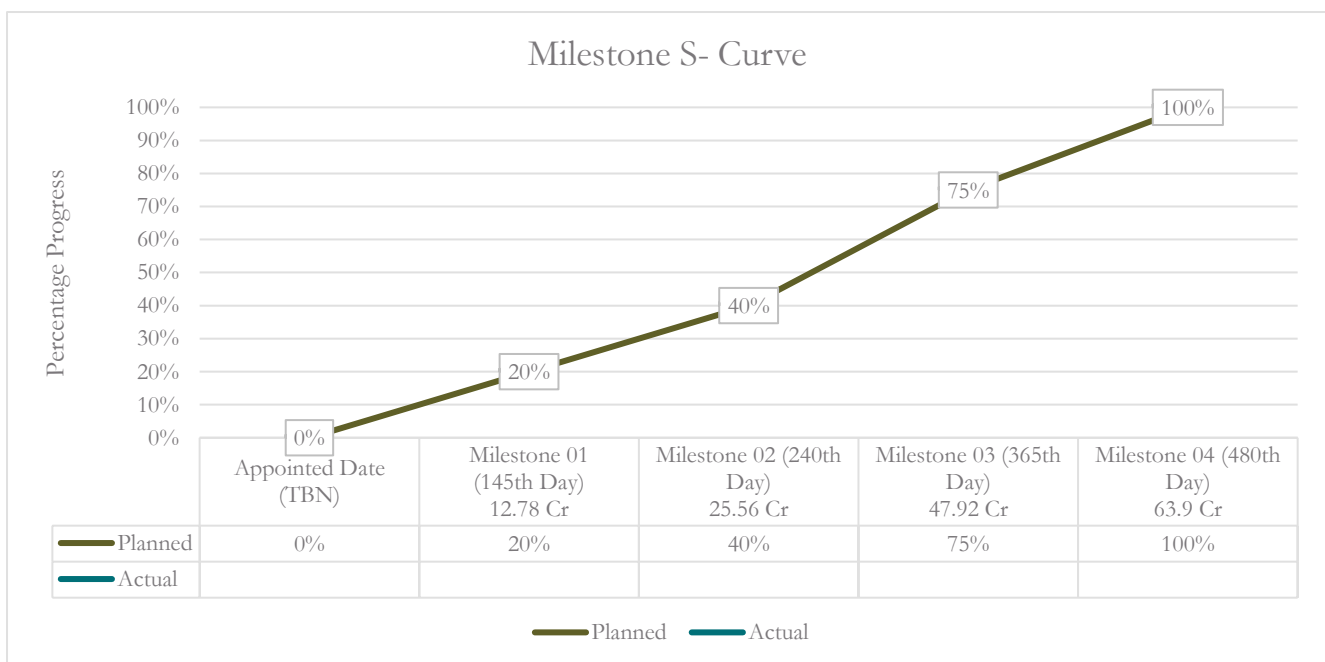
Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date
M/SM/s. Midland Engineering and Contracting Company	16	63.9	TBN

Status as on 31st Mar'2021:

- ❖ Inventor survey in progress

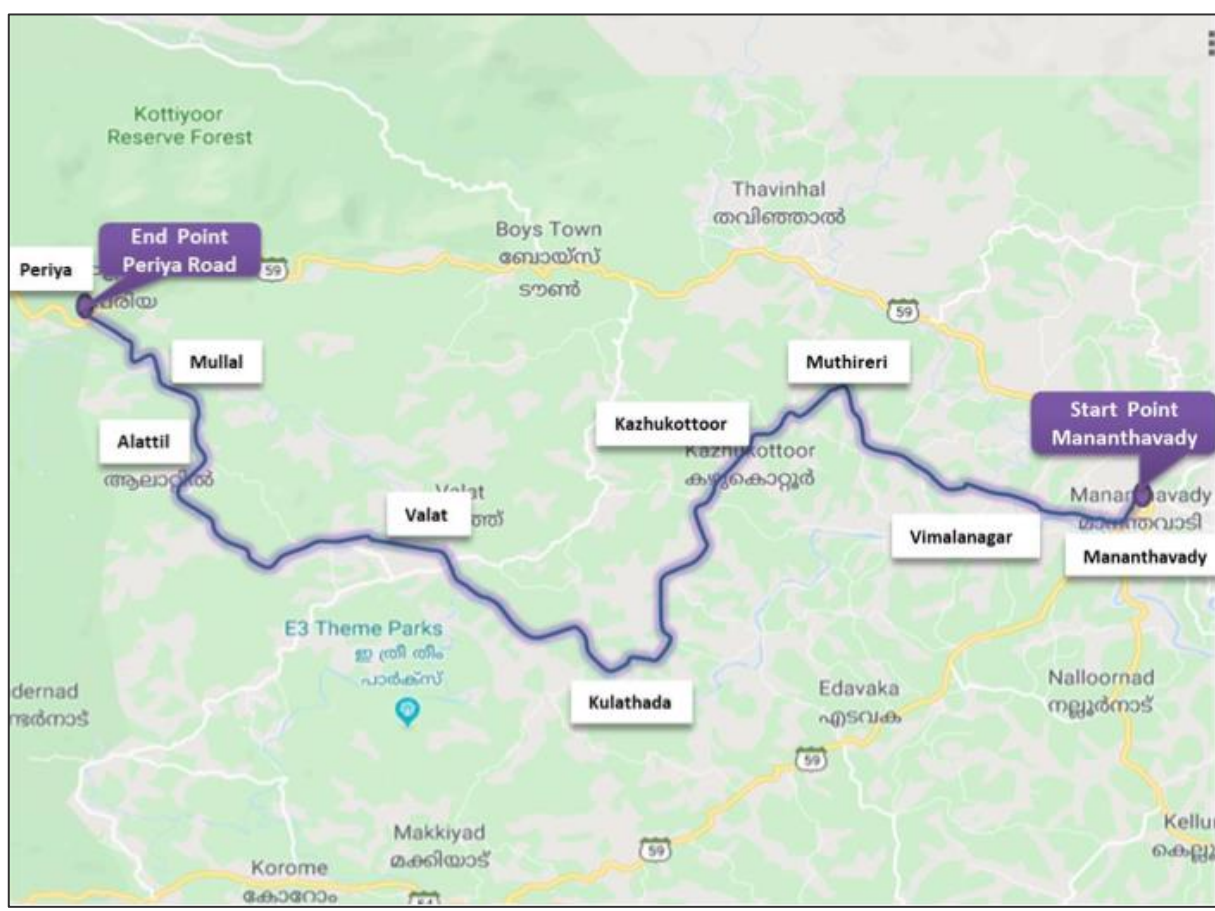
Milestone Schedule:

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	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 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

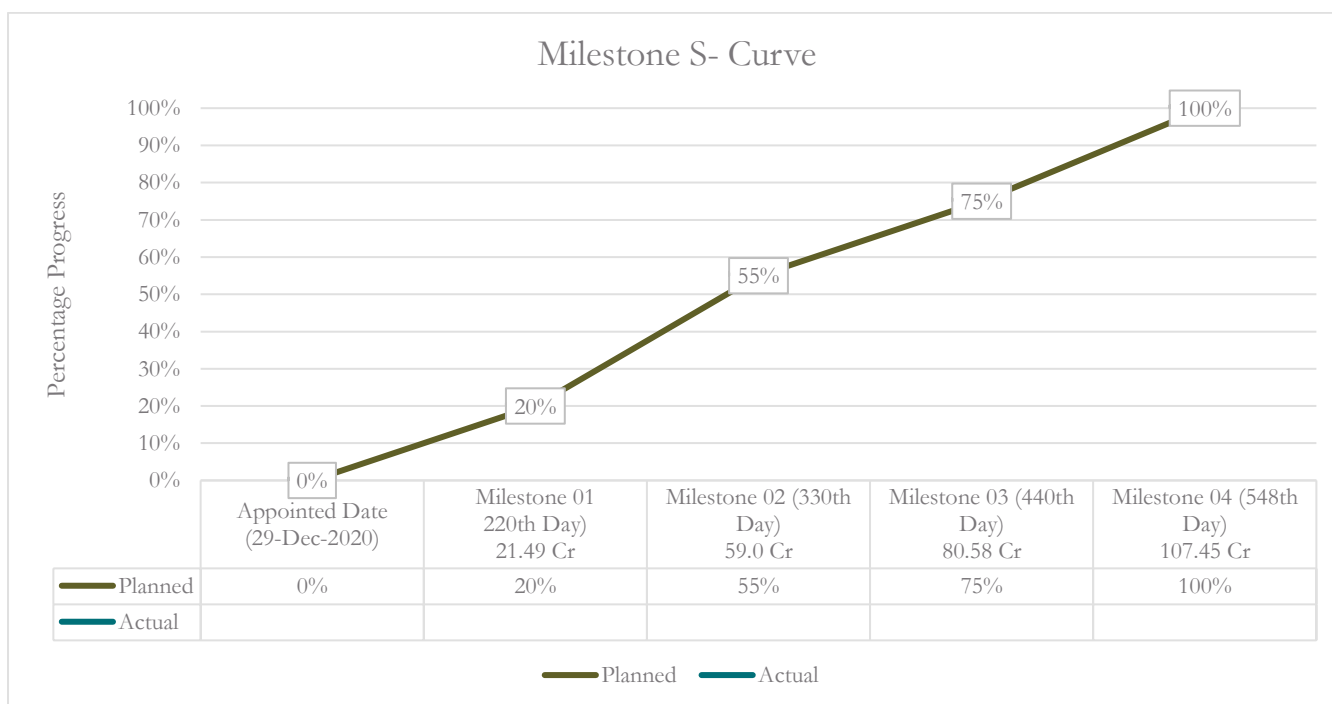
Name of the contractor	Duration in Months	Contract Value in Crores	Appointed Date	Original Completion Date
M/S ULCCS	18	107.45	29-Dec-2020	30-June-22

Status as on 31st Mar'2021:

- ❖ Site installation and survey works are in progress
- ❖ First instalment of Mobilization advance of Rs.2.06 Cr has been issued to the contractor

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	-		



North Package 02 :

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

Project Description:

The project road starts from km 30.700 It provides connectivity between Perumbilavu – Koottanad – Pattambi – Perinthalmanna – Pattikkadu – Karuvarakundu – Kalikavu – Nilambur Road. It also connects SH – 53, NH – 213, SH – 73 and SH – 60. The state highway SH-39 is an important conduit of travel in the state especially in the district of Malappuram. The project stretch is predominantly a 2-lane road with/without the paved shoulder. The condition (Except potholes in some section of Perinthalmanna town) and the riding quality is fair. Built-up areas are predominant along the entire stretch, Land use is agricultural since SH-39 is an arterial road, the traffic predominantly consist of cars, but local movements of 2 wheelers and auto were observed. Hence traffic diversion during construction is a key factor.

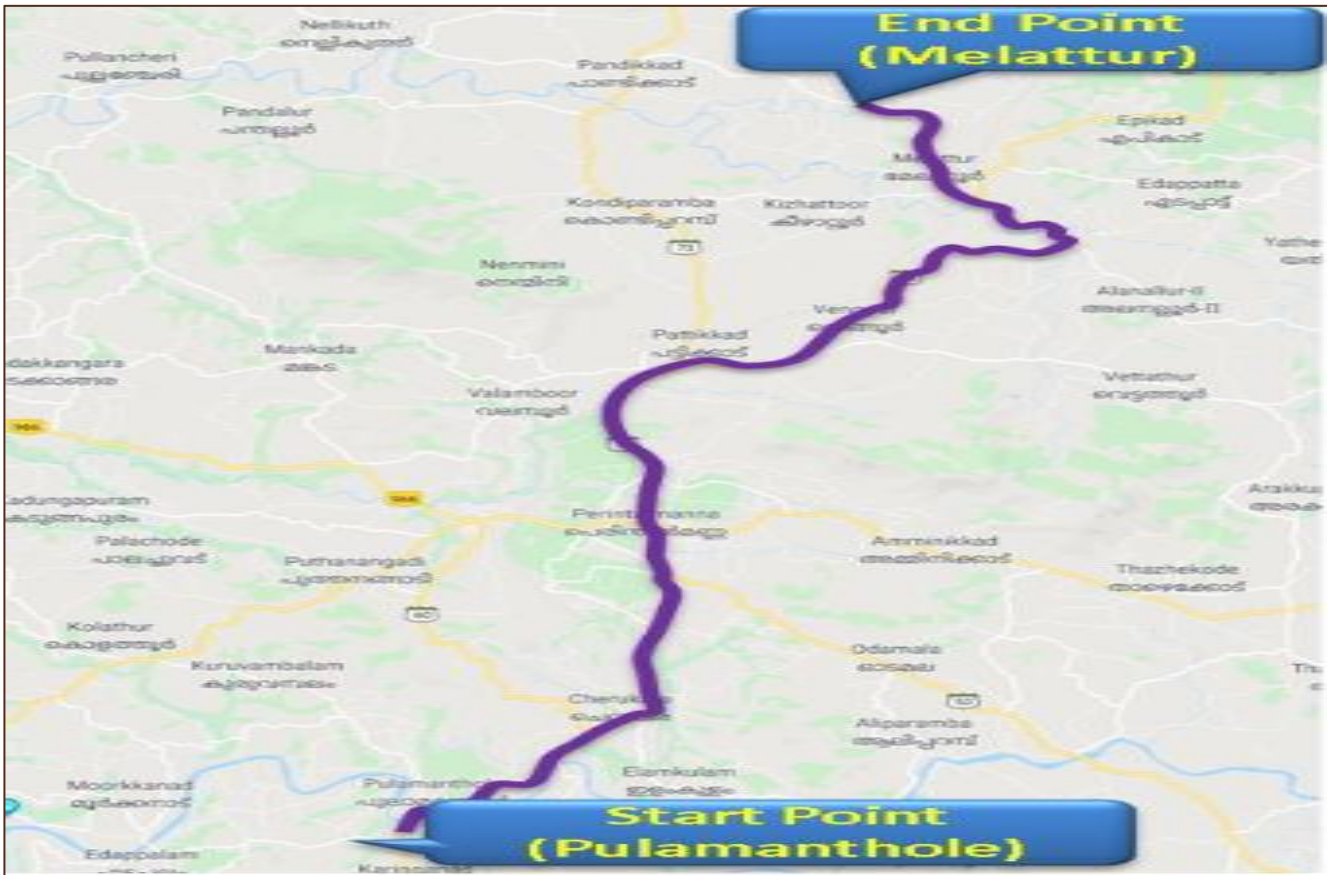
General philosophy followed in formulating the improvement proposals are:

- ❖ Limit the improvements within the land identified for the project.
- ❖ Introduce transition to all the curves along the alignment.
- ❖ Utilize the available Right of Way (ROW) to the maximum extent possible so as to avoid additional land acquisitions.
- ❖ Retain the geometric properties of finalized alignment during the study carried out.
- ❖ Improve and introduce the project facilities.

Improvement of road safety features accordingly, the following optimum level of improvements is proposed:

- ❖ Widening of the project road as the traffic warrants.
- ❖ Strengthening or reconstruction of the existing pavement for the entire length.
- ❖ Provision of footpath cum built-up drain at built up
- ❖ Improving / redesigning sharp curves.
- ❖ Widening / reconstruction of existing culverts and provision of additional culverts depending on the cross-drainage requirements.
- ❖ Bridge and cross drainage rehabilitation, widening and reconstruction.
- ❖ Junction improvements.
- ❖ Provision of pedestrian crossing facilities.
- ❖ Provision of traffic signs and road furniture.
- ❖ Provision of bus shelters based on the above improvements, realignments are proposed at various locations

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	Original Completion Date
M/S KMC Constructions	18	144	20-Jan-2021	22-Jul-2022

Status as on 31st Mar'2021:

Status of Manpower & Machinery Mobilization:

The details of contractor key personal and machinery details are presented in the below

Table 14 RKI 05: Key Personnel Mobilization Status

SL No	Name	Designation
1.	Mr. Arun	Project Manager
2.	Mr. Saravanan	Deputy Project manager
3.	Mr. Raghuramaiah	Accountant/HR
4.	Mr. Sekhar	Plant & Machinery Coordinator
5.	Mr. Vishnuvivek	Planning Engineer
6.	Mr. Irusappan	Sr. Engineer
7.	Mr. Siva kumar	Site Engineer
8.	Mr. Sathishkumar S	Environmental Engineer
9.	Mr. Abin	HSE officer
10.	Mr. Monu	HSE supervisor
11.	Mr. R.obulesu	Sr. Engineer
12.	Mr. Sri ram	Sr. Engineer
13.	Mr. Rahul	Junior Engineer
14.	Mr. Ajith kumar	Junior Engineer
15.	Mr. Kasi anand	Engineer QC &QA
16.	Mr. Rajagopal.V	Engineer QC &QA
17.	Mr. M.Raghuram	Engineer QC &QA
18.	Mr. I.Gnanaselvam	Surveyor
19.	Mr. Ramkumar	Junior Surveyor
20.	Mr. Bharani Raj	Site Engineer

Table 15 RKI 05 Machinery Mobilization

SNO	Registration Number	Machinery name
1	KL 53 S 0920	Bolero (Pale White)
2	KL 53 S 0970	Bolero (Pale White)
3	TN 33 BU 0982	Hero Splendor plus
4	KL 09 3787	Hero Honda DF Deluxe
5	KL 53 S 0976	Bolero Camber Gold ZX (Brown)
6	KL 53 S 0932	Bolero Camber Gold ZX (Brown)
7	KL 53 S 0967	Bolero Camber Gold ZX (Brown)
8	KL 53 S 0998	Bolero camber (White)
9	KL 53 S 0482	Bharat Benz (Tipper) 10 wheel

10	KL 53 S 0402	Bharat Benz (Tipper) 10 wheel
11	KL 53 S 0429	Bharat Benz (Tipper) 10 wheel
12	KL 53 S 0412	Bharat Benz (Tipper) 10 wheel
13	KL 53 S 0476	Bharat Benz (Tipper) 10 wheel
14	KL 53 S 0428	Bharat Benz (Tipper) 10 wheel
15	KL 09 AF 48	AMW (Trailer) 10 wheel
16	TN 18 BD 4172	Bharat Benz (Transit Mixer)
17	TN 18 BD 4177	Bharat Benz (Transit Mixer)
18	TN 18 BD 4360	Bharat Benz (Trailer)
19	TN 18 BD 2818	Bharat Benz (Trailer)

Physical Progress:

Table 16 RKI 05 Physical Progress

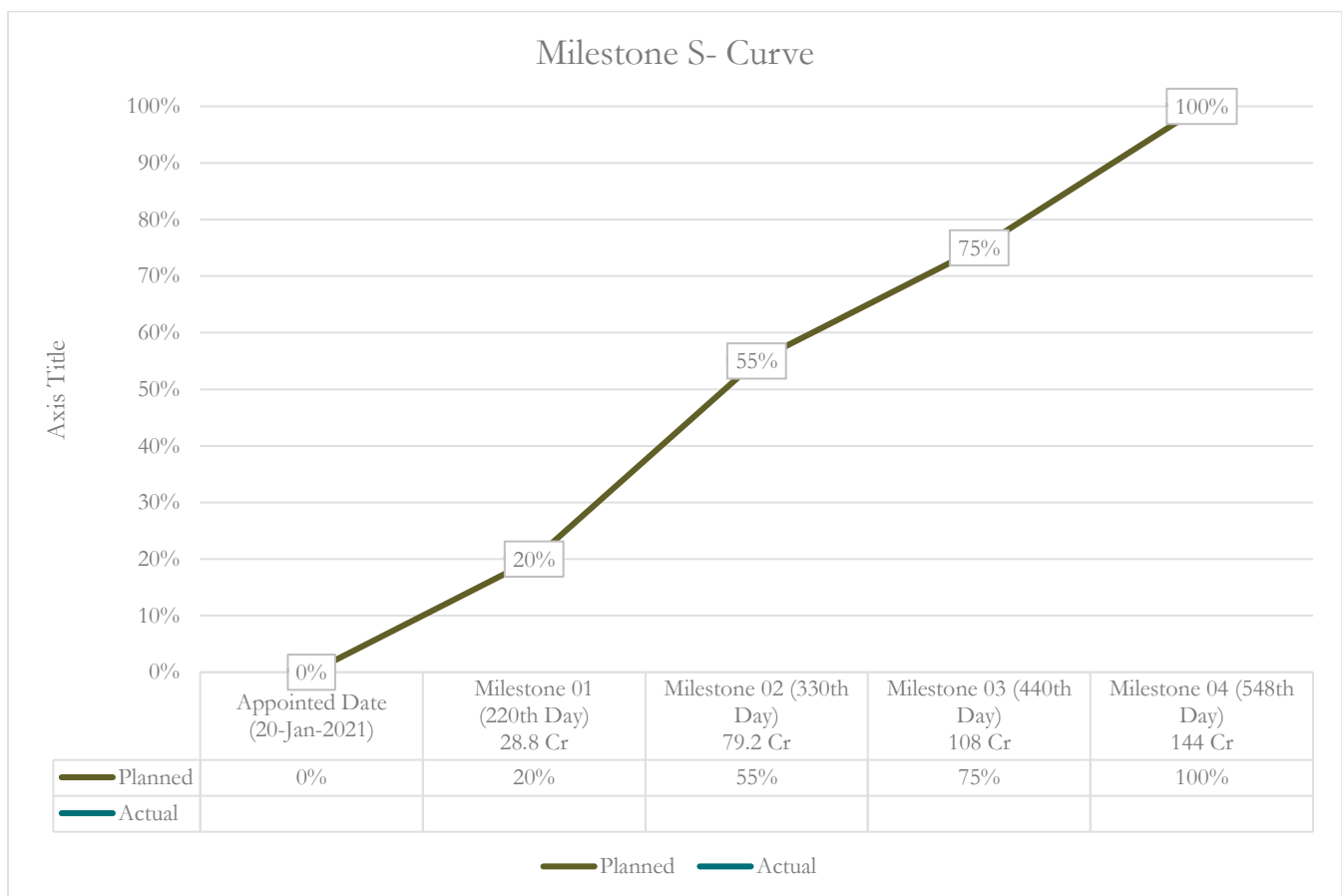
Sl. No.	Description	Status	Remarks
1	Chainage and Centerline marking of Existing Road	Completed	
2	Road inventory:	Completed	
3	Clearing and Grubbing	Completed	
4	Utility Shifting estimate – Water Authority	Under Process	
5	Utility Shifting estimate – KSEB	Under process	
6	Tree cutting valuation and cutting permission	Under process	
7	RoW identification with revenue dept	In Progress	
8	Culvert inventory condition surveys	Completed	
9	Cleaning of Culverts	Under Progress	
10	MOI	Submitted	
11	Geotechnical investigations-Soil Samples were collected from SH and MDR for CBR value, OMC, SG.	completed	
1.1	CBR sample collection and crust details at every 2 km	Completed	
1.2	FWD testing in SH	Completed	
1.3	Crest detail identification in SH	Completed	
1.4	Soil investigation at Road completed at	Completed	
1.5	Soil Investigation for Structures at Ch xxx Minor Bridge.	Completed	
12	Videography of existing road with narration	Completed	

1.3	Topographic survey		
3.1	Erection of GPS Pillars- 50X50X70 cm in SH	Completed	
13.2	Conducted GPS survey at SH	Completed	
3.3	Erection of TBM pillars 30X30X500 cm in SH	Completed	
3.4	Topography Survey for the road from 30+700 to 62+480 of the SH-39	Completed	
3.5	Detailing	Completed	
1.4	Traffic surveys		
4.1	Traffic Volume Count at 30+700 at SH 39 and 62+480	Completed	
4.2	Junction Volume count at Pulamanthole (30+700) and Chungam(45+000) in SH 39 and Melattur at CH 62+480 .	Completed	
4.3	Axial Load survey at CH 30+700 at SH 39 and 62+480 in MDR	Completed	
1.5	Mobilization for Base Camp	Completed	
1.6	Site office for the project.	Done	
1.7	Approvals (Drawings)		
7.1	Plan & profile for the first 9 km	Approved	
7.2	Culvert design and drawings	27 no. approved	Culverts construction in progress
7.3	Typical Un-mountable Cast in situ Drain	Drawings approved	Construction in progress
7.4	Typical drawing for mountable Cast in situ Drain	Drawings approved	Construction in progress
7.5	Typical drawing for Utility Duct laying	Not started	
1.8	Construction Activities		
8.1	Road Construction	In Progress	
8.2	Sub-grade preparation and GSB laying	In Progress	
8.3	WMM Laying	In Progress	
8.4	Culvert construction	In Progress	
8.5	Drain construction	In Progress	

Financial 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%	-	28-Aug-21	-	-	
Milestone II	330	55%	-	16-Dec-21	-		
Milestone III	440	75%	-	05-Apr-22	-		
Milestone IV	548	100%	-	22-Jul-22	-		



Summary of Quality Control Tests:

The summary of quality control tests conducted/witnessed by Authority Engineer are presented below

Table 17 RKI 05 Quality Control Tests

S.No	Item of Work	Name of Test	No. of Tests conducted/witnessed
1	OGL soil	GSA test	15 nos
		LL & PL test	15 nos
		proctor test	12 nos
		FSI test	11nos
		CBR test	10 nos
		FDD test	05 set
2	Granular Sub base (GSB)	Gradation	5 Nos
		FDD test	10 set
3	Cement	Consistency test	02 nos
		Initial & final setting time	02 nos
4	Concrete Trial mix M15, M20, M25 & M 30 grade	Slump test	6 Nos
		07 days compressive strength	13 set
		28 days compressive strength	09 set
5	Coarse aggregate for concrete (20mm & 12.5 mm)	Gradation	19 Nos
		Aggregate Impact Value (AIV)	09 No
		FI & EI test	09 No
6	Fine aggregate for concrete (M/sand)	Gradation	09 No
7	WMM	Gradation test	15 Nos
		AIV test	3 Nos
		FI & EI test	3 nos
		proctor test	2 nos
		W/ Absorption	1 nos
		FDD Test	10 set

Land Encroachments and Clearances:

The confirmation regarding encroachment and clearance details is still pending from the Revenue department.

Contractor is in process of getting other permits as listed in the below table

Table 18 RKI 05 Status of Other Permits

Sl. No.	Types of clearance	Applicability	Status	Remarks
1.	Tree felling permission	For roadside tree cutting	Under process	
2.	Consent for establish	Hot mix plant, Batching plant, wet mix macadam, stone crushers	Under process	
3.	Consent for operate	Hot mix plant, Batching plant, wet mix macadam, stone crushers	Under process	
4.	Explosive license from chief controller of explosives	For storing fuel oil, lubricants, diesel etc.,	Obtained	
5.	Quarry lease deed and quarry mining from state department of mines and geology	Quarry operation (for new quarry)	Obtained	
6.	Permission for extraction of ground water for use in road construction activities from state ground water board/central ground water authority	Extraction of ground water	Under process	
7.	Permission for use of water for construction purposes from irrigation department`	Use of surface water for construction	Under process	
8.	Labour license from labour commissioner office	Engagement of labour	Under process	
9.	Stock yard	Stocking materials for the project	Under process	
10.	Borrow areas	Stocking of soil along the stretch	Under process	

Bank Guarantee:

Bank Guarantee details of RKI 05 is listed below

Table 19 RKI 05 Bank Guarantee

S.No	Description	Bank Guarantee No.	Value of Bank Guarantee (CR)	Valid		Remarks
				From	To	
1	Bank guarantee Against Performance Security	200133IBGP00241	7.52	10/3/2020	4/2/2023	IDBI Bank
2	Bank guarantee Against Performance Security	020520IGPER0038	4	10/3/2020	4/2/2023	Andhra Bank
3	Bank guarantee Against Environmental, Social, Health and Safety (ESHS)	200133IBGP00240	2.88	10/3/2020	4/2/2023	IDBI Bank

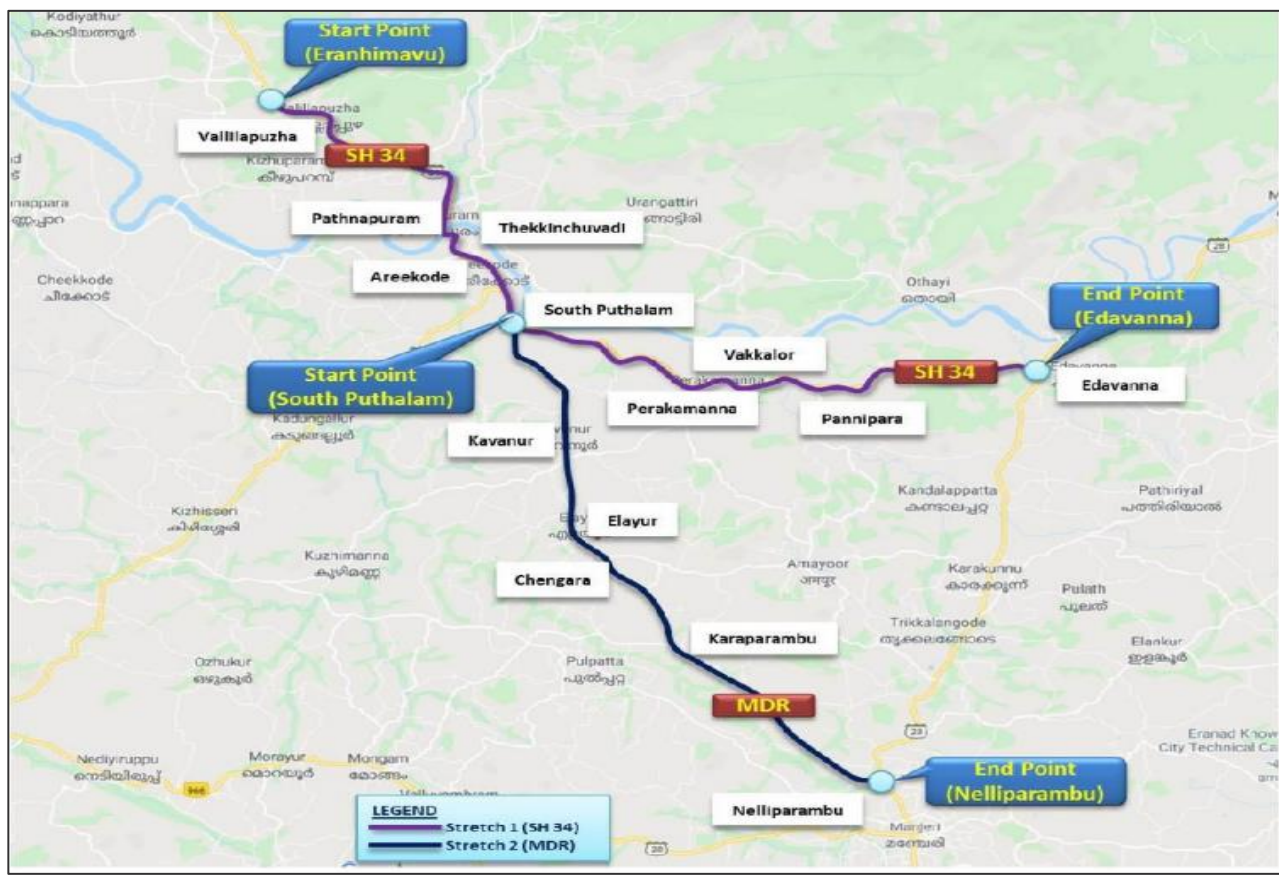
8) RKI-6: Upgrading Eranhimavu to Edvanna Section of SH 34

Project Description:

The project highway consists of Eranhimavu to Edavanna section of SH-34 from Km 51+200 to 69+380 for the length of 18.18km and South Puthalam to Nelliparambu section of MDR from Km 0+00 to Km 13+350 for the length of 13.35 Km. Both state highway and MDR are important conduits of travel in the state especially in the district of Mallapuram. The project stretch is predominantly a 2-lane road with/without the paved shoulder.

The riding quality is fair. Built-up areas are predominant along the entire stretch, since SH and MDR are arterial roads, the traffic predominantly consist of cars, but local movements of 2 wheelers and auto were observed. Hence traffic diversion during construction is a key factor.

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	Original Date of Completion
M/s Sreedanya Construction Company	18	189.76	23-Nov-2020	25-May-22

Status as on 31st Mar'2021:

Status of Manpower & Machinery Mobilization:

The details of contractor key personal and machinery details are presented in the below

Table 20 RKI 06 Key Personnel Mobilization Status

Sl No	Name	Designation
	Technical	
1	Mr. Sebastian Antony	Project Manager
	Highway	
2	Mr. Aromal S Rajeev	Site In Charge
3	Mr. Tom J Kuriakose	Site In Charge
4	Mr. Prasannakumar	Utility Engineer
5	Mr. Haneefa P	Utility Shifting Supervisor
6	Mr. Vijith WG	Supervisor
7	Justin Jacob	Supervisor
8	Jilson P	Supervisor
9	Hariprasad	Supervisor
10	Karthikeyan	Supervisor
11	M Nadarajan	Supervisor
12	Sreejith	Supervisor
13	Nibin	Supervisor
14	Shaji Kumar A	Site In Charge
15	Jacob John	Supervisor
16	ArunMozhi.v	Site Engineer
17	Jithin. J	Supervisor
18	Pranur Pradeep	Supervisor
19	Rajanmon. R	Supervisor
20	Skaria C.M	Supervisor
21	Mr. Abiram S B	Site Engineer
22	Mr. Sunil Shetty	Site Engineer
23	Mr. Yogendra Yadav	Site Engineer
24	Mr. Deepak PL	Site Engineer
	Quality Control	
25	Mr. A.S.Venugopal	Material Engineer
26	Mr. Gokul Raj	QA/QC Engineer
	Planning / QS Department	
27	Mr. Paul P Manoj	Planning Engineer
28	Mr. Vaisakh Krishnan	Planning Engineer
29	Mr. Gopikrishna Ajay	Planning Engineer

	Survey	
29	Hari Kumar	Sr. Surveyor
30	Mr. Shijas K	Surveyor
31	Kishore V.S	Surveyor
32	Arun Prasad A.M	Surveyor
33	Sanjay Pati	Surveyor
34	Mr. Pradeep MB	Survey Assist
	EHS	
35	Mr. Satheesh H	EHS Officer
36	Mr. Bipin Das CJ	Safety officer
36	Ali Reza	Safety officer
37	Nithink.k	Safety officer
38	Rahul C	Safety
39	SujeeshKalluparayil	Sociologist

Table 21 RKI 06 Machinery Mobilization

SL No	Equipment Type	Make/Capacity/ Reg No.	Date of Mobilization
	Fixed Equipment		
1	Batching Plant	M30	29-Dec-20
	Field Equipments		
2	Hydraulic Excavator	CAT 323	13-Jan-21
3	Hydraulic Excavator	CAT 323	13-Jan-21
4	Hydraulic Excavator	CAT 313	13-Jan-21
5	Hydraulic Excavator	Komatsu PC210	20-Jan-21
6	Hydra	KL-01-BT-9902	24-Feb-21
7	Hydra	KL-01-BX-5283	10-Mar-21
8	Soil Compactor	CA-305	25-Feb-21
9	Soil Compactor	CA-305	25-Feb-21
10	Soil Compactor	CA-305	25-Feb-21
11	Soil Compactor	CA-305	25-Feb-21
	Transport Equipments		
12	Tipper	KL-01-CQ-2973	05-Dec-20
13	Tipper	KL-01-CQ-2964	05-Dec-20
14	Tipper (340 CFT)	KL-01-CQ-3021	28-Mar-21
15	Tipper	KL-01-CQ-3023	05-Dec-20
16	Tipper	KL-01-CQ-3056	16-Feb-21
17	Tipper (340 CFT)	KL-01-CQ-3092	27-Mar-21
18	Tipper	KL-01-CQ-3136	05-Dec-20
19	Tipper	KL-01-CQ-3139	05-Dec-20



20	Tipper	KL-01-CQ-3175	05-Dec-20
21	Tipper	KL-01-CQ-3153	16-Feb-21
22	Tipper	KL-01-CQ-3120	16-Feb-21
23	Tipper	KL-01-CQ-2937	16-Feb-21
24	Tipper	KL-01-CQ-3113	16-Feb-21
25	Tipper	KL-01-CR-1908	16-Feb-21
26	Tipper	KL-01-CR-1914	16-Feb-21
27	Tipper	KL-01-CQ-3177	25-Feb-21
28	Tipper	KL-01-CQ-3246	5-Mar-21
29	Tipper	KL-01-CR-3275	6-Mar-21
30	Tipper	KL-01-CR-3291	6-Mar-21
31	Tipper	KL-01-CQ-3053	22-Mar-21
32	Tipper	KL-01-CQ-2986	22-Mar-21
33	Tipper (340 CFT)	KL-01-CQ-3091	27-Mar-21
34	Tipper (340 CFT)	KL-01-CQ-3064	27-Mar-21
35	Transit Mixer 8 cum	Reg - Pending	27-Mar-21
36	JCB	KL-01-CQ-2175	31-Oct-20
37	JCB	KL-01-CQ-2584	20-Feb-21
38	JCB	KL-01-CQ-2597	20-Feb-21
39	JCB	KL-01-CQ-2584	20-Feb-21
40	JCB	KL-01-CM-1245	20-Feb-21
41	JCB	KL-01-CR-4468	10-Mar-21
42	JCB	KL-01-CR-4472	10-Mar-21
43	JCB	KL-01-CR-4494	10-Mar-21
44	JCB	KL-01-CR-4454	10-Mar-21
45	Pick up	KL-01-CQ-6861	26-Dec-20
46	Pick up	KL-01-BS-974	16-Mar-21
47	Pick up	Reg - Pending	8-Mar-21
48	Pick up	Reg - Pending	1-Mar-21
49	Pick up	KL-01-AR-1443	28-Mar-21
50	Low bed Tractor	KL-01-CQ-2580	31-Oct-20
51	Low bed Tractor	KL-01-BX-9087	17-Mar-21
52	Low bed Platform	KL-01-CR-6765	27-Mar-21
53	Low bed Platform	KL-01-CR-6766	27-Mar-21
54	6000L Tanker	KL-01-BD-4591	17-Feb-21
55	12,000 L Trailer	KL-07-BZ-7366	16-Mar-21
56	600L Diesel Tanker	KL-01-CQ-8795	17-Feb-21
57	Grader - 124	KL-01-BZ-5746	10-Mar-21
58	Innova	KL-01-CD-5333	10-Nov-20

59	Innova	KL-21-N-9720	10-Nov-20
60	Bolero	KL-01-BR-6420	04-Feb-21

Physical Progress:

Table 22 RKI 06 Physical Progress

Sl. No.	Description	Status	Remarks
1	Chainage and Centerline marking of Existing Road	Completed	
2	Road inventory:	Completed	
3	Clearing and Grubbing	In Progress	90% Completed
4	Utility Shifting estimate – Water Authority	In Progress (With KWA)	Estimate submitted to CE, KSTP. For laying 700 mm DI pipes from 58/710 to 59/080 of SH and 0/00 to 1/350 of MDR. Agreement to be executed between KSTP, KWA and Contractor. And the works is in progress.
5	KSEB	In Progress	Estimate for shifting of Electric post prepared by KSEB and under review at the CE office.
6	Tree cutting valuation and cutting permission	In Progress (With CE Office)	Valuation obtained for first 5 km only. Balance length forest Committee to be Convened.
7	RoW identification with revenue dept	In Progress	90% Completed
8	Culvert inventory condition surveys	Completed	
9	Cleaning of Culverts	In progress	
10	MOI	Signed	
11	Geotechnical investigations-Soil Samples were collected from SH and MDR for CBR value, OMC, SG.	Completed	
	CBR sample collection and crust details at every 2 km	Completed	
	FWD testing in SH and MDR	Completed	
	Crest detail identification in SH and MDR	Completed	
	Soil investigation at Road completed at CH 65+520, 59+150, 52+200, 6+405.	Completed	
	Soil Investigation for Structures at CH 64+200 Minor Bridge.	Completed	
12	Videography of existing road with narration	Completed	
13	Topographic survey		

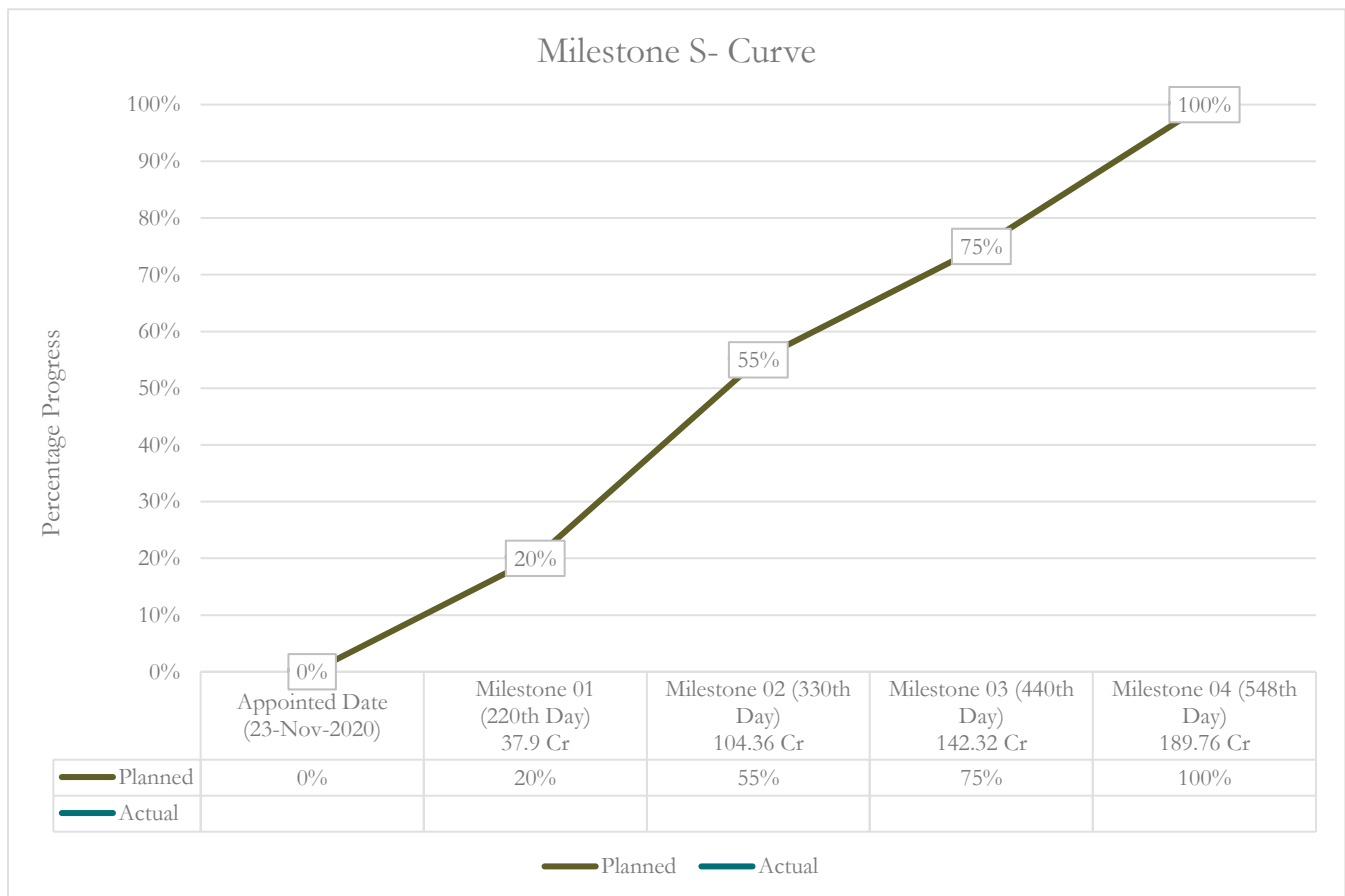
	Erection of GPS Pillars- 50X50X70 cm in SH and MDR	Completed	
	Conducted GPS survey at SH and MDR	Completed	
	Erection of TBM pillars 30X30X500 cm in SH and MDR.	Completed	
	Topography Survey for the road from 51+200 to 69+380 and 0+000 to 13+350 of the SH and MDR respectively.	Completed	
	Detailing	Completed	
14	Traffic surveys		
	Traffic Volume Count at 55+200 at SH and 5+400 at MDR	Completed	
	Junction Volume count at South Puthalam (59+100) and Edavanna (69+400) in SH and Nelliparambu at CH 13+350.	Completed	
	Axial Load survey at CH 55+200 at SH and 5+400 in MDR	Completed	
	Origin – destination Survey at CH 55+200 in SH and CH 5+400 in MDR	Completed	
15	Mobilization for Base Camp and required Plants	In Progress	
16	Site office for the project.	Completed	At CH 55+060
17	RMC Plant	Completed	At Karathaparambu
18	Reconstruction Culverts	In Progress	29 Culverts in progress
19	Drain construction	In Progress	3.8 km precast completed
20	Drain Laying	In Progress	
21	Road excavation	In Progress	
22	GSB Laying	In Progress	

Financial Progress :

- ❖ Mobilization Advance of Rs.9.48 Cr has been issued to the contractor

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	-		



Summary of Quality Control Tests:

The summary of quality control tests conducted/witnessed by Authority Engineer are presented below

Table 23 RKI 06 Quality Control Tests

SNO	Item of Work	Name of Test	No. of Tests conducted/witnessed
1	OGL Soil	Proctor test	24 Nos
		LL & PL test	24 Nos
		GSA test	5 Nos
		CBR Test	24 Nos
		FDD Test	07 set
2	Concrete M 15 grade	slump test	06 Nos
	M 30 grade	07 days compressive strength	45 nos
		28 days compressive strength	09 nos
		07 days compressive strength	19 Nos
		28 days compressive strength	15 nos
		slump test	04 Nos
3	Coarse aggregate for concrete	Gradation (20mm & 12.5 mm)	5 Nos each
		Aggregate Impact Value (AIV)	5 Nos
		FI & EI Test	05 nos
4	Fine aggregate for Concrete (M/Sand)	Gradation	5 Nos
5	WMM	Gradation	31 Nos
		Proctor test	01 No
		AIV test	02 Nos
		LL & PL Test	01 Nos
		FI & EI Test	02 Nos
		W/ Absorption test	02 Nos
6	GSB	Gradation	05 Nos
		LL & PL test	01Nos
		Proctor test	01Nos
		CBR Test	01 Nos
		W/Absorption	02 Nos
		FDD Test	12 set

Land Encroachments and Clearances :

The confirmation regarding encroachment and clearance details is still pending from the Revenue department. Contractor is in process of getting other permits as listed in the table

Table 24 RKI 06 Status of Other Permits

Sl. No	Permit	Status
1	Permission of the State Government for extraction of boulders from quarry	Not Applicable
		Contractor intend to procure aggregate from authorized/approved suppliers and accordingly contractor will not be extracting any boulders from quarry
2	Permission of Village Panchayats and Pollution Control Board for installation of crushers	Not Applicable
		Contractor intend to procure aggregate from authorized/approved suppliers and accordingly contractor will not be operating any crusher
3	License for use of explosives	Not Applicable
4	Permission of the State Government for drawing water from river/reservoir	Under Process
5	License from inspector of factories or other competent for setting up batching plant	Under process.
6	Clearance of Pollution Control Board for setting up batching plant	Under process.
7	Clearance of Village Panchayats and Pollution Control Board for setting up asphalt plant	Contractor intend to engage authorized subcontractor with valid licenses
8	Permission of Village Panchayats and State Government for borrow earth	Borrow Earth area identified and applied for source approval. Once borrow area and suitability of earth is approved by AE, balance procedure for obtaining permits will be taken up.
9	Any other permits or clearances required Applicable laws	District labour officer issued labour license valid up to 8-10-2020.
		Permission to extract sand from River is not required to be obtained as contractor propose to use M-Sand from approved sources for the construction works.
		Pollution under Control (PUC) certificates for all RTO registered vehicles are being maintained.
		Agreement with Landowner is concluded.
		NOC from Grama Panchayath for Land Lease is under process.

Bank Guarantee:

Bank Guarantee details of RKI 06 are presented below:

Table 25 RKI 06 Bank Guarantee

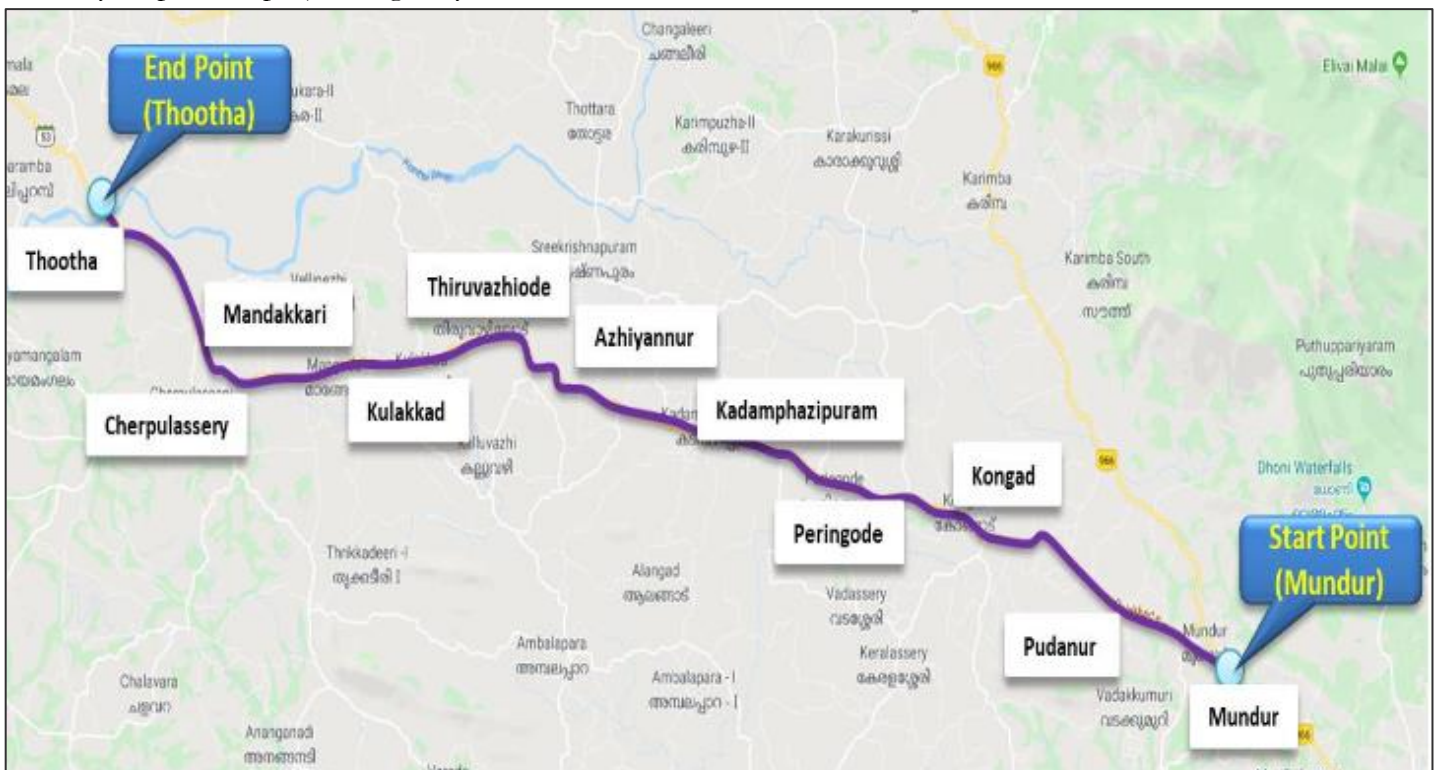
S.No	Description	Bank Guarantee No.	Value of Bank Guarantee (CR)	Valid		Remarks
				From	To	
1	Bank guarantee Against Performance Security	0435020BG0000 100	15.1812	10/6/2020	4/15/2023	State Bank of India
2	Bank guarantee Against Environmental, Social, Health and Safety (ESHS)	0435020BG0000 103	3.7953	10/6/2020	4/15/2023	State Bank of India

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

Project Description:

The Project starts at Mundur Junction and ends at Thootha Junction. The project stretch is predominantly a 2lane road with/without the paved shoulder. The condition and the riding quality of the road is fair except in some areas. The terrain is plain to rolling Ribbon development observed all along the stretch. Land use is agricultural. Since SH-53 is an important road in the district, the traffic predominantly consists of cars, but local movements of 2 wheelers and auto were observed. Hence traffic diversion during construction is the key factor.

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	Original Date of Completion
M/s KMC Constructions	24	323.10	27-Jan-21	28-Jan-2023

Status as on 31st Mar'2021:

Status of Manpower & Machinery Mobilization:

The details of contractor key personal and machinery details are presented in the below

Table 26 RKI 07 Key Personnel Mobilization Status

SL No	Name	Designation
1	M Balarami Reddy	Sr. Project Manager
2	M V N Murali Krishna	Deputy Project Manager
3	N V S Prasad	Q.S
4	M Penchal Rao	Material Engineer
5	Ramakrishna Reddy	Plant & Machinery Coordinator
6	N Mallikarjun	Utility Shifting Supervisor
7	V Narasaiah	Utility Shifting Engineer
8	Aneesha Fatima	Environment Engineer
9	Aarafath Sahib	Health & Safety Engineer
10	V Pratap Reddy	Highway Engineer
11	Mahendra	Surveyor
12	Shiva	Survey Assistant

13	R Satishkumar Reddy	Planning Trainee
14	D Ajay	Structural Engineer
15	Sk.Davood	QA/QC Engineer
16	C Phaneendra	Lab Technician
17	Madhu	Sr. Site Supervisor
18	V Venugopal Reddy	Sr. Site Supervisor
19	Sai	Surveyor
20	Balaraju	Site Supervisor
21	Bhaskar	Site Supervisor
22	Ramesh	Site Supervisor

Table 27 RKI 07 Machinery Mobilization Status

S.No	Machinery	Registration No	Remarks
1	Excavator	L & T KOMATSU 130	
2	JCB	AP 26 AY 8425	
3	JCB		
4	WATER TANKER	KL 08 BU 8469	12000 lts
5	Tippers	KL 10 AF 5299	1.5 Unit
6	Tippers	KL 13 AH 1455	1.5 Unit
7	Tippers	KL 51 B 7546	1.5 Unit
8	Tippers	KL 31 B 5085	1.5 Unit
9	Tippers	KL 51 A 7693	1.5 Unit
10	Tippers	KL 09 R 4761	1.5 Unit

Physical Progress:

Table 28 RKI 07 Physical Progress

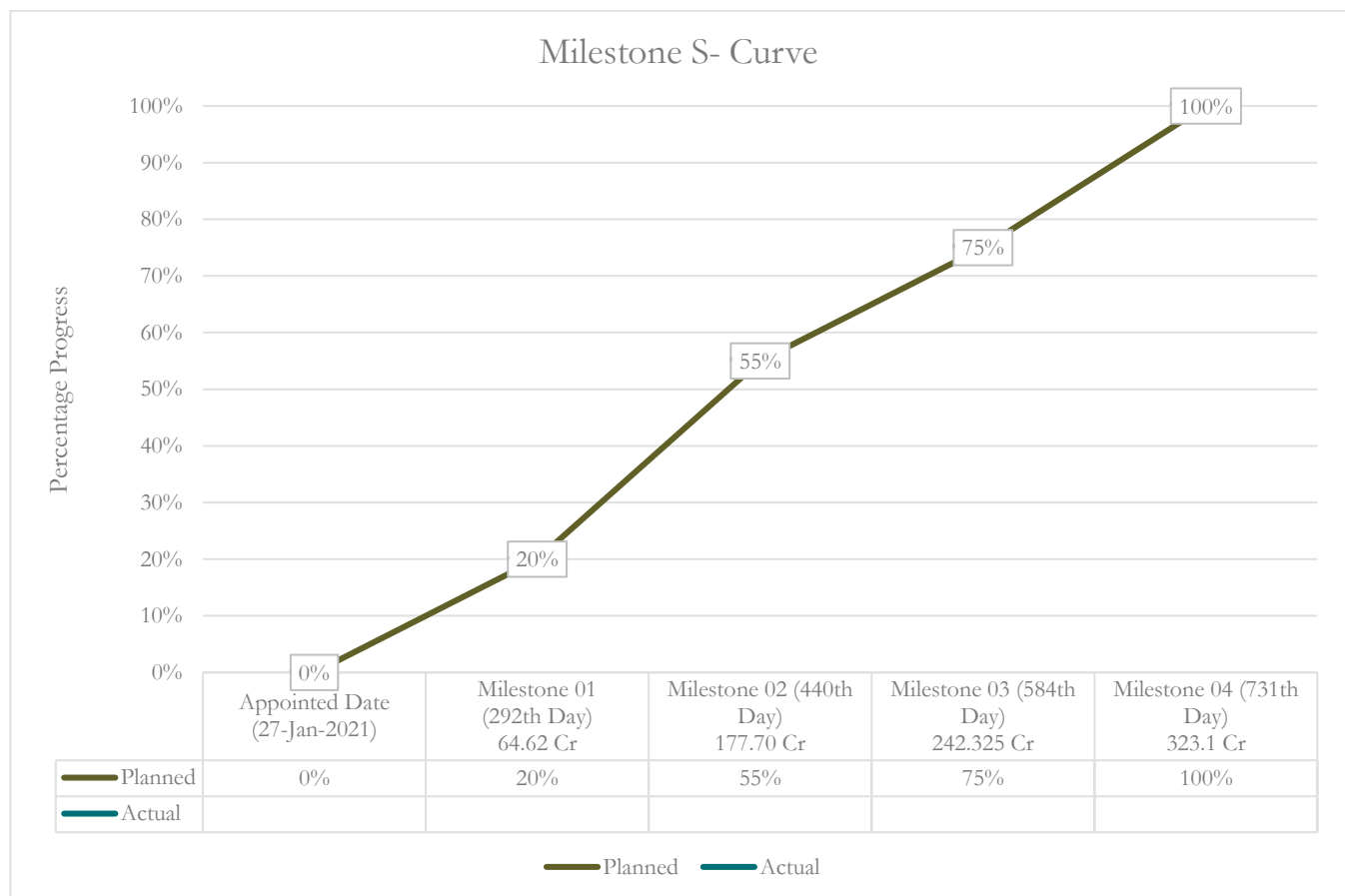
Sl. No.	Description	Status	Remarks
1	Chainage and Centerline marking of Existing Road	Completed	ROW Not marked
2	Road inventory:	Completed	
3	Clearing and Grubbing	Completed	10+300 to 11+800 RHS
4	Utility Shifting estimate – Water Authority	In Progress	Estimate Under Process by KWA
5	KSEB	In Progress	Estimate Under Process by KSEB

6	Tree cutting valuation and cutting permission	In Progress	Tree counting & Numbering completed.
7	RoW identification with revenue dept	Not started	
8	Culvert inventory condition surveys	Completed	
9	Cleaning & Excavation of Culverts	In progress	10+734 BHS,11+033 BHS,19+435 BHS,19+475 LHS
10	MOI	Signed	
11.1	CBR sample collection and crust details at every 2 km	Started	
11.2	Excavation of Drain	1175 Rm	
11.3	Drain PCC	529 Rm	
11.4	Soil investigation at Road	started	
11.5	Soil Investigation for Structures	Not started	
12	Videography of existing road with narration	Not started	
12 a	Environmental tests (Noise, Air, Sound, &Water)	Completed	22/03/2021
13	Topographic survey		
13.1	Erection of GPS Pillars- 50X50X70 cm	Completed	
13.2	Conducted GPS survey	Completed	
13.3	Erection of TBM pillars.	Completed	
13.4	Topography Survey for the road	Completed	
13.5	Detailing	-	
14	Traffic surveys		
14.1	Traffic Volume Count	Completed	
14.2	Junction Volume count	Completed	
14.3	Axial Load survey	Completed	
14.4	Origin – destination Survey	Completed	
15	Mobilization for Base Camp and required Plants	In Progress	
16	Temp. Site office for the project.	Completed	At CH 20+200
17	Approvals (Drawings)		
17.1	Plan & Profile	10 Km Approved	Km 10+000 to 20+000 Km
17.2	Plan & Profile	Submitted	Awaiting Approval drawing.
17.3	Design and Drawings for Box culverts	Review comments given	Awaiting Final drawing.
17.4	Design and Drawings for Raised and Flushed Drain	Review comments given	Awaiting Final drawing

Financial 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%	-	15-Nov-21	-	-	
Milestone II	440	55%	-	12-Apr-22	-		
Milestone III	584	75%	-	03-Sep-22	-		
Milestone IV	731	100%	-	28-Jan-23	-		



Summary of Quality Control Tests:

The summary of quality control tests conducted/witnessed by Authority Engineer are presented below

Table 29 RKI 07 Quality Control Tests

SNO	Item of Work	Name of Test	No. of Tests conducted/witnessed
1	Coarse aggregate for concrete	Sampling (20mm & 12.5mm)	2 Nos
2	fine aggregate for concrete	Sampling (M/Sand)	2 Nos
3	Concrete M15 Grade	07 days compressive strength	03 nos
		slump test	02 Nos
4	Concrete M 20 Grade	07 days compressive strength	03. Nos
		slump test	02 nos
5	Concrete M 25 Grade	07 days compressive strength	03. Nos
		Slump test	02 Nos
6	Coarse aggregate for concrete	20mm Gradation	2 Nos
		AIV test	1 No
		12.5 mm Gradation	2 Nos
		AIV test	01 No

Land Encroachments and Clearances:

The confirmation regarding encroachment and clearance details is still pending from the Revenue department. Contractor is in process of getting other permits as listed

Table 30 RKI 07 Status of Other Permits

Sl. No.	Types of clearance	Applicability	Status
1.	Tree felling permission	For roadside tree cutting	Under process
2.	Consent for establish	Hot mix plant, Batching plant, wet mix macadam, stone crushers	Under process
3.	Consent for operate	Hot mix plant, Batching plant, wet mix macadam, stone crushers	NIL
4.	Explosive license from chief controller of explosives	For storing fuel oil, lubricants, diesel etc.,	NIL
5.	Quarry lease deed and quarry mining from state department of mines and geology	Quarry operation (for new quarry)	Under process
6.	Permission for extraction of ground water for use in road construction activities from state ground water board/central ground water authority	Extraction of ground water	Under process
7.	Permission for use of water for construction purposes from irrigation department`	Use of surface water for construction	NIL
8.	Labour license from labour commissioner office	Engagement of labour	Under process

9.	Stock yard	Stocking materials for the project	15+300 LHS
10.	Borrow areas	Stocking of soil along the stretch	18+300 RHS 15+300 LHS

Bank Guarantee:

Bank Guarantee details of RKI 07 are presented below:

Table 31 RKI 07 Bank Guarantee

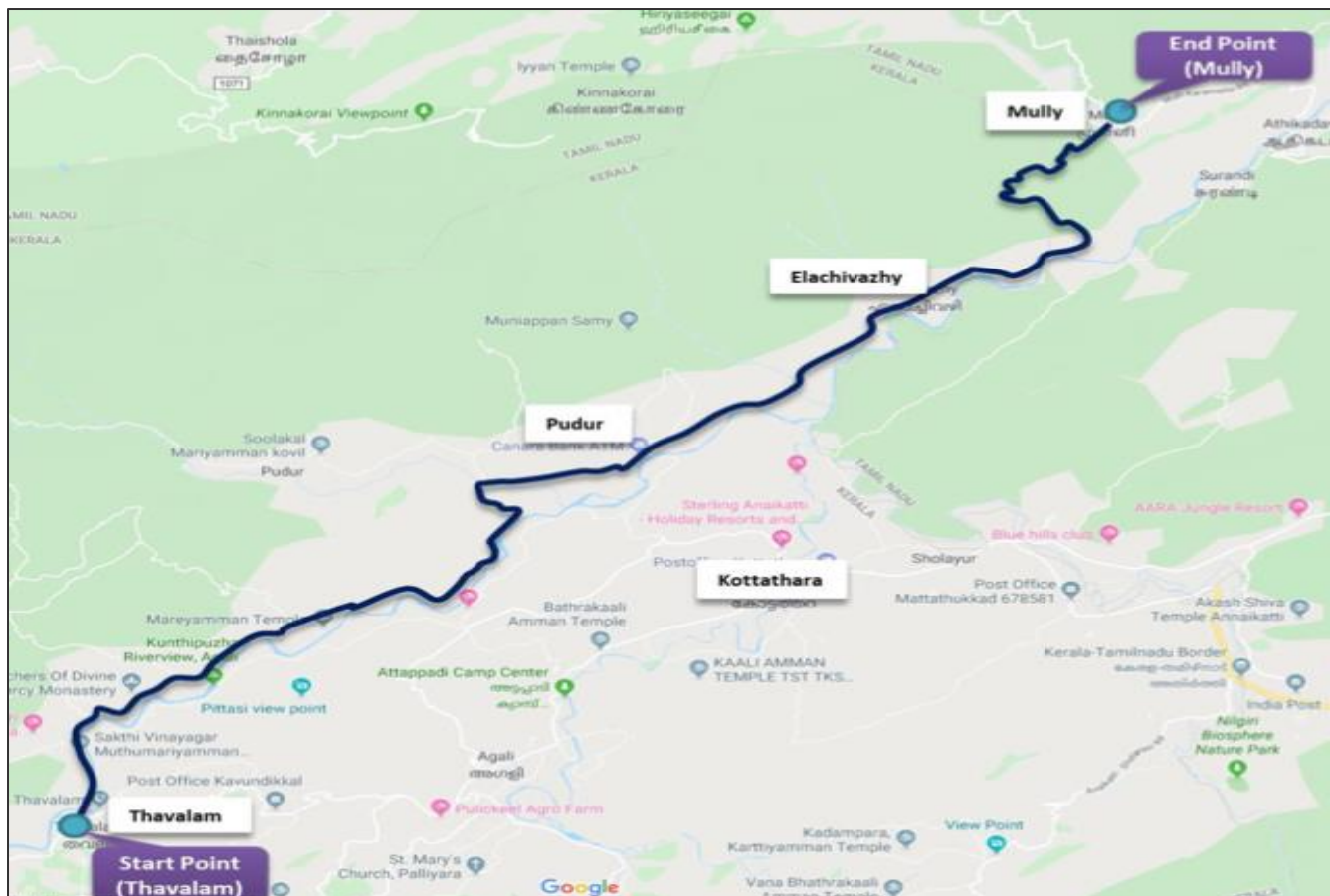
S.No	Description	Bank Guarantee No.	Value of Bank Guarantee (CR)	Valid		Remarks
				From	To	
1	Performance Security bank guarantee Against the advance payment	00054IG200000016	25.8480	9/11/2020	8/11/2023	Indian Bank
2	Performance Security bank guarantee Against the advance payment (ESHS)	100620IGPER0237	6.462	9/11/2020	8/11/2023	Union Bank of India

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

Project Description :

The project starts at Thavalam (Ch: 0+000) and ends at Mulli, with sharing the border with Tamil Nadu (Ch: 28+500) in Palakkad District.

A key map of the project Highway is shown below.



Salient features

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	Original Date of Completion
M/s Akshaya EKK JV	18	132.8	23-Nov-2020	25-May-2022

Status as on 31st Mar'2021:

Status of Manpower & Machinery Mobilization:

The details of contractor key personal and machinery details are presented in the below

Table 32 RKI 08 Key Personnel Mobilization Status

Sl. No	Name	Designation
1)	Reghunathan.K	Project Manager
2)	Radhakrishnan PM	Deputy Project Manager
3)	Jose Moan Antony	Senior Structural Engineer
4)	Musthafa Ummar	Senior Structural Engineer
5)	Chandramohan	Utility Engineer
6)	Aneesa Abdul Lathif	Material Engineer
7)	Ananthajith B	Quantity Surveyor
8)	Umeshkumar K P	Highway Engineer
9)	Sreejith.S	Health & Safety Engineer
10)	Vinu V	Draftsman
11)	Muthu Kumaran	Senior Surveyor
12)	Vivek Krishnan	Surveyor
13)	Asrith U V	Surveyor

Table 33 RKI 08 Machinery Mobilization Status

Sl No.	Type of equipment	Capacity	Nos.
1	Concrete batching plant	30 m ³ /hr	1
2	Ajax	2 m ³ /batch	1
3	Excavators	1 m ³ bucket size	2

4	Hydraulic excavator with rock breaker	6 cum per hour	1
5	Vibratory Roller	8 - 10 ton	1
6	Grader		1
7	Water Tanker	3000 litre	2
8	Dump Truck	150 cft	2
9	Tippers	600 cft	1
10	Total Station with Accessories	Minimum 2 sec accuracy	1
11	Dumpy level		2

Physical Progress

Table 34 RKI 08 Physical Progress

SL No.	Description	Status	Remarks
1	Marking of existing chainage @ 25 m interval	Completed	
2	Road inventory	Completed	
3	Utilities, Trees, forest area, RoW Listing	completed	
4	Utility Shifting cost and shifting	Electrical	Commenced
5	Utility Shifting cost and shifting	Water Pipelines	Estimate sent to KSTP
6	Tree cutting valuation and cutting		Cutting permission from Forest dept. sent to KSTP. KSTP has to initiate the auction works.
7	RoW identification with revenue dept	in Progress	
8	Culvert inventory condition surveys	completed	
9	MOI	completed	
10	Geotechnical investigations	Commenced at bridge locations	
11	CBR sample collection and crust details at every 2km	completed	
12	Videography of existing road with narration	completed	
13	Topographic survey		
13.1	Erection of GPS Pillars- 50X50X70 cm	Completed	

13.2	GPS observation	Completed	
13.3	Erection of TBM pillars 30X30X500 cm	Completed	
13.4	Total station traversing	Completed	
13.5	Level traversing	Completed	
13.6	Detailing	Completed	
14	Traffic surveys- Axle load, volume Count,	Completed	
15	Horizontal alignment	23 Km	
16	Vertical Alignment	23 Km	
17	Plan and Profile	17 Km	
18	GADs of structures	In Progress	GADs of MNB @ 0+189 and 3+711 submitted.
19	GADs for culverts	10 Km completed, balance in progress	
20	Detailed Design of bridges	In Progress	
21	Detailed Design of Culverts	In Progress	
22	Traffic Analysis and Pavement Design	Completed	
23	CL transfer	In Progress	
24	OGI survey	Completed	
25	Detailed cross section	In Progress	
26	Material source identification, test, cement and steel reports	Completed	
27	Mix design and approval	In Progress	Concrete mix designs of M15, M20, M25 and M30 are approved.
28	Submission of Programme, HSE & TMP Plan	Submitted	Approved
29	Submission of Plan & Profile	0 to 9.96 km submitted	Approved.
Site works			
1	Clearing and Grabbing	4.5 Km completed	
2	Dismantling and removal of BT	3.85 Km RHS and 2.4 Km LHS complete	
3	Sub Grade preparation	160 m LHS complete	
4	Retaining wall	160 m stone masonry retaining wall complete except parapet	
5	RCC Drain	190 m PCC Complete	

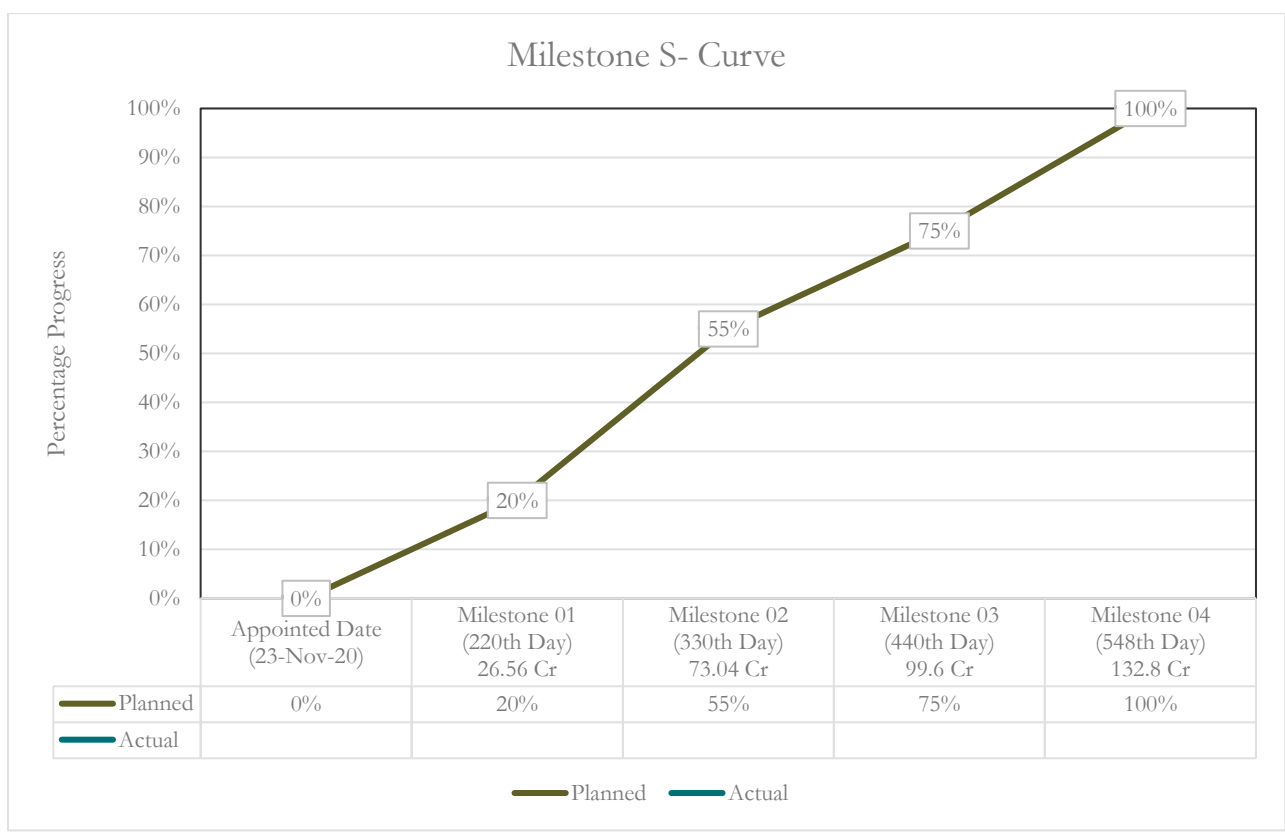
6	Culverts	One side PCC complete for BC @ 1+860, 5+625, 8+548, 9+179	
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Financial Progress:

- ❖ Mobilization Advance of Rs.6.64 Cr has been issued to Contractor

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	-		



Summary of Quality Control Tests:

The summary of quality control tests conducted/witnessed by Authority Engineer are presented below

Table 35 RKI 08 Quality Control Tests

SNO	Item of Work	Name of Test	No. of Tests conducted/ witnessed
1	OGL Soil	LL & PL Test	05 Nos
		FSI test	05 Nos
		Proctor test	03 Nos
2	Concrete trial Mix		
	M15 grade	07 days compressive strength	06 set
	M20 grade	07 days compressive strength	04 set
	M25 grade	07 days compressive strength	04 set
		Slump test	4 Nos
3	Coarse aggregate for concrete	Gradation	8 Nos
		Aggregate Impact Value (AIV)	4 Nos
4	Fine aggregate for concrete	Gradation	4 Nos
5	CTSB/CTB	Gradation	04 Nos
		LL & PL test	02 Nos
		W/ absorption	02 Nos
		07 days Compr. Strength test	04 set

Land Encroachments and Clearances

There is no land acquisition proposed in the EPC agreement. The surveyors from Revenue Dept. commenced the boundary identification of existing road from 22.03.2021. The clearances summary for the project requested/received in listed in the below table .

Table 36 RKI 08 Status of Other Permits

Sl No	Permit type	Action	Status/Remarks
1	Environment Clearances		Not required as per Notification of MoEF dated 22/08/2013 (Schedule A (Annex.4))
2	Clearance of Pollution control board for installation of batching plant	Applied to PCB	Clearance Awaited
3	Building permit from Panchayat for camp/plant	Applied to Puthoor Panchayath	Permit under processing
4	Sanction from Forest department for carrying our construction works in forest areas	Requested to Forest Department	Sanction awaited

Bank Guarantee:

Bank Guarantee details of RKI 08 are presented below:

Table 37 RKI 08 Bank Guarantee

S.No	Description	Bank Guarantee No.	Value of Bank Guarantee (CR)	Valid		Remarks
				From	To	
1	Bank guarantee Against Performance Security	IBG110852	106.248	10/28/2020	4/28/2023	Federal Bank
2	Bank guarantee Against Environmental, Social, Health and Safety (ESHS)	IBG110853	2.6562	10/28/2020	4/28/2023	Federal Bank

5.3. Central Package 03

Table 38 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	TBER Submission to KfW	NO for TBER from KfW	Financial Bid Opening	FBER Submission to KfW	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-Dec-2020	07-Jan-21	12-Jan-21	08-Feb-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	-	-	*TBER evaluation is in progress
3		Muvattupuzha - Theni SH (Ch. 0/000 to 15/750)	RD-03	Ernakulam	16.18	18	60	08-Feb-21	08-Feb-21	18-Mar-21	22-Mar-21	24-Mar-21	-	-	80.91	-	-	*Financial bid opened on 24th Mar'2021
4		Kumarakom Nedumbassery (proposed SH) from Peruva to Peruvammuzhi	RD-04	Ernakulam	21.40	18	60	26-Feb-21	26-Feb-21	23-Mar-21	23-Mar-21	30-Mar-21	-	-	96.85	-	-	*Financial bid opened on 30th Mar'2021
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	02-Nov-20	02-Nov-20	12-Dec-2020	29-Dec-20	01-Jan-21	02-Feb-21	22-Jan-21	203.22	08-Mar-21	M/s. Gawar Construction Ltd. ATCON India Ltd. (JV)	*Agreement executed on 8th Mar'21 * Contractors Request for mobilization advance is in process
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	-	-	*Technical Evaluation in progress
9		Thrissur Kuttippuram Road (SH 69) 4 stretches (Many stretches in between in progress by other agency KIIFB)	RD-09	Thrissur	33.24	24	60	09-Mar-20	09-Mar-20	-	-	-	-	-	212.82	-	-	*Technical Evaluation in progress
10		Arakunnam-Amballoor-Poothatta-Piravam Road	RD-10	Ernakulam	7.98	12	60	18-Mar-21	18-Mar-21	-	-	-	-	-	27.94	-	-	*Technical Evaluation in progress
Total Length of Central Package 03 (Kms)					238.39													

5.4. South Package 04

Table 39 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	TBER Submission	NO from KfW	Financial Bid Opening	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-Pulikuttissery-Parolickal-Muttappally Road	Rd-1	Kottayam	20.20	18	60	18-Dec-20	18-Dec-20	28-Dec-20	07-Jan-21	11-Jan-21	25-Jan-21	25-Feb-21	121.11	-	M/s Sreedhanya Construction Company	*Draft Agreement sent to KfW for NO on 8th Mar'2021
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	-		*TB opened on 30-03-2021
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	29-Dec-20	20-Jan-21	21-Jan-21	08-Feb-21	25-Feb-21	107.52	-	M/s Theruvath-PRL (JV)	*NO for draft agreement received on 24th Mar'21
4		Mallappally, 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	12-Jan-21	18-Jan-21	08-Feb-21	25-Feb-21	102.90	-	M/s SPL-RM JV	*NO for draft agreement received on 24th Mar'21
5		Malamekkara Kunnathukala Chala Puthenchanda factory Jn Azad Jn road 0/00 to 8/600	Rd-5	Pathanamthitta	7.87	18	60	05-Oct-20	05-Oct-20	12-Dec-20	05-Jan-21	13-Jan-21	25-Jan-21	22-Jan-21	28.80	08-Mar-21	M/s. KNM-EKK JV	*Agreement executed on 8-Mar-21 * Contractors Request for mobilization advance is in process
6		Thiruvananthapuram Ponnudi road (From Nedumangad to Ponnudi)	Rd-6	Thiruvananthapuram	41.75	24	60							-	203.42	-	-	* Estimate to be reworked due to descopeing of project
7		Thattarambalam-Michael Junction-Kochalummood-Mangankuzhy-Pandalam	Rd-7	Allapuzha	18.66	18	60	30-Nov-20	30-Nov-20	18-Dec-20	12-Jan-21	18-Jan-21	12-Feb-21	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-Kunnamgery-Kumarangary-Valady-Mullakamthuruthy	Rd-8	Allapuzha	21.45	18	60	18-Dec-20	18-Dec-20	23-Dec-20	07-Jan-21	11-Jan-21	20-Jan-21	22-Jan-21	108.9	03-Mar-21	M/s Sreedhanya Construction Company	*Agreement executed on 03-Mar-21
9		Vayuttupuzha-Potheppad Road	Rd-9	Pathanamthitta	35	18	60	-	-				-	-	-	-	-	-
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 by PMC in the month of Mar'2021

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

Table 40 Activities Completed in Mar'2021

Task	Description	Status
Evaluation of RD 04 (Pkg III)	<p>Rehabilitation and Up gradation of Kumarakom Nedumbassery (proposed SH) from Peruva to Peruvammuzhi</p> <ul style="list-style-type: none"> Bidders for Rd-04 (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 9 (Pkg III)	<p>Rehabilitation and Up gradation of Thrissur-Kuttipuram Road in Thrissur District</p> <ul style="list-style-type: none"> Bidders for Rd-09 (Package 03) include <ol style="list-style-type: none"> M/s Cherian Varkey M/s EKK Infrastructure Ltd M/s Engineering Projects (I) Ltd. M/s Gawar - ATCON JV M/s Marymatha – MKC JV M/s Ray – PRL JV M/s Sreedhanya – Prathmesh JV 	<ul style="list-style-type: none"> Technical Bids opened on 9th Mar'2021 Five bids are found substantially responsive whereas M/s EKK Infrastructure Ltd and M/s Engineering Projects (I) Ltd. Are found nonresponsive due to noncompliance of demonstration of financial requirements prescribed for the project TBER was submitted on 24th Mar'2021
Evaluation of RD 10 (Pkg III)	<p>Rehabilitation and Up gradation of Arkunnam – Amballor Road and Poothota-Piravom Road in Ernakulam District</p> <ul style="list-style-type: none"> Bidders for Rd-10 (Package 03) include <ol style="list-style-type: none"> M/s Marymatha Infrastructure (P) Ltd M/s Theruvath Builders 	<ul style="list-style-type: none"> Technical bid was opened on 18th Mar'2021 Evaluation committee evaluated the bids and found M/s Marymatha Infrastructure (P)

Task	Description	Status
		<p>substantially responsive and recommended for opening of Price bids</p> <ul style="list-style-type: none"> • TBER was submitted on 30th Mar'2021
Site Visit RKI 09	RKI 09 Alapuzha-Changanassery Road Inventory Survey	<ul style="list-style-type: none"> • Highway engineer, Bridge Engineer, Pavement engineer and Community Liasoning Officer of PMC team visited site for inventory Survey on 1st Mar'21
PM14 Task PM14 Steering Accompanying Measures	TOR for innovative Material Study	<ul style="list-style-type: none"> • Submitted on 18th Mar'21
Project Management Manual	Draft Project Management Manual	<ul style="list-style-type: none"> • Submitted on 5th Mar'21

Source: Louis Berger Analysis

6. PROJECT PHOTOGRAPH

1. RKI 05 – Perumbilavu-Nilambur Road (Length 30.88)



Road Excavation in progress



Side Drain Works in Progress

2. RKI 06 - Koyilandy - Edavanna road between Km 51/200 to 69/700 & Areekode - Manjeri road Km 0/000 to 13/600



3.8Kms RCC Pre-cast Drain casted and erection in progress

3. RKI -7 : Palakkad -Perinthalmanna Road (Mundur Junction to Thootha Junction of SH-53)



Culvert Widening Works in progress



Side drain excavation Works in progress



Road excavation Works in progress

4. RKI- 08 Thavalam Mully Road CH 0/000 to 28/800



Road Excavation Works in progress



Side Drain Works in Progress



Retaining Wall works in Progress

5. RKI 09 : Alapuzha-Changanassery Road :



PMC Team visited RKI 09 on 1st Mar'2021 and conducted Site inventory Survey

PMC Team visited RKI 09 on 1st Mar'2021 and conducted Site inventory Survey



7. 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 Mar'2021.