

PROJECT MANAGEMENT FOR CLIMATE-RESILIENT RECONSTRUCTION AFTER FLOODING IN KERALA



MONTHLY PROGRESS REPORT FOR THE MONTH OF JULY 2021



Monthly Progress Report – July 2021

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Table of Contents

1. INTRODUCTION	5
1.1. Project Background	5
1.2. Project Objective	7
1.3. Project Components	7
1.3.1. North Cluster Package 01	8
1.3.2. North Cluster Package 02.....	9
1.3.3. Central Cluster Package 03.....	10
1.3.4. South Cluster Package 04.....	11
1.3.5. Supervision Consultants/ Authority’s Engineer	12
1.3.6. Overall Package Specifics	13
2. KEY DATA PAGE	14
3. CONSULTANT’S ACTIVITIES, STAFFING AND TIME SCHEDULE	15
3.1. Project Scope	15
3.2. Team Composition	16
4. PROGRESS OF CONSTRUCTION	17
4.1. Status of North Package 01 & 02	19
4.2. Authority Engineer:	20
4.2.1. Authority Engineer 01:.....	20
4.2.2. Authority Engineer 02:.....	21
4.3. Central Package 03	93
4.4. South Package 04	94
4.5. Statement of Expenditure for the month of July’2021	95
4.6. Activities Completed by PMC in the month of July’2021	96
5. CONCLUSION	97

Table of Tables

Table 1 Roads in North Cluster Package One	8
Table 2 Roads in North Cluster Package Two.....	9
Table 3 Roads in Central Cluster Package Three.....	10
Table 4 Roads in South Cluster Package Four.....	11
Table 5 Supervision Consultants and Authority’s Engineer	12
Table 6 Consultant’s Project Scope	15
Table 7 Status of Mobilization.....	16
Table 8 Status of North Package 01 & 02	19
Table 9 AE 01 Key Personnel Mobilization.....	20
Table 10 AE 02 Key Personnel Mobilization.....	21
Table 11 RKI -11 Key Personnel Mobilization	23
Table 12 RKI 11 Machinery Mobilization	23
Table 13 Status of Other Permits RKI -11	25
Table 14 Bank Guarantee RKI 11.....	25
Table 15 Status of Other Permits RKI 12	31
Table 16 Bank Guarantee RKI 12.....	31
Table 17 RKI 13 Key Personnel Mobilization.....	36
Table 18 Status of Other Permits RKI 13	37
Table 19 Bank Guarantee RKI 13.....	38
Table 20 RKI 14 Key Personnel Mobilization.....	42
Table 21 RKI 14 Machinery Mobilization	42
Table 22 Status of Other Permits RKI 14	44
Table 23 Status of Other Permits RKI 15	49
Table 24 RKI 10 Key Personnel Mobilization.....	54
Table 25 RKI 10 Machinery Mobilization	54
Table 26 Status of Other Permits RKI 10	56
Table 27 Bank Guarantee RKI 10.....	56
Table 28 RKI 05: Key Personnel Mobilization Status	61
Table 29 RKI 05 Machinery Mobilization	62
Table 30 RKI 05 Physical Progress.....	63
Table 31 Source Approval RKI 05.....	65
Table 32 RKI 05 Status of Other Permits	66
Table 33 RKI 05 Bank Guarantee.....	67
Table 34 RKI 06 Key Personnel Mobilization Status.....	69
Table 35 RKI 06 Machinery Mobilization	70
Table 36 RKI 06 Physical Progress.....	70
Table 37 Change of Scope RKI 06	73
Table 38 RKI 06 Source Approval.....	73



Table 39 RKI 06 Status of Other Permits	74
Table 40 RKI 06 Bank Guarantee.....	75
Table 41 RKI 07 Key Personnel Mobilization Status	78
Table 42 RKI 07 Machinery Mobilization Status	79
Table 43 RKI 07 Physical Progress.....	79
Table 44 RKI 07 Source Approval.....	82
Table 45 RKI 07 Status of Other Permits	82
Table 46 RKI 07 Bank Guarantee.....	83
Table 47 RKI 08 Key Personnel Mobilization Status	86
Table 48 RKI 08 Machinery Mobilization Status	86
Table 49 RKI 08 Physical Progress	87
Table 50 Change of Scope RKI 08	90
Table 51 RKI 08 Source Approval.....	90
Table 52 RKI 08 Status of Other Permits	91
Table 53 RKI 08 Bank Guarantee.....	92
Table 54 Central Package 03 Status	93
Table 55 South Package 04 Status.....	94
Table 56 Activities Completed in July”2021.....	96

1. Introduction

1.1. Project Background

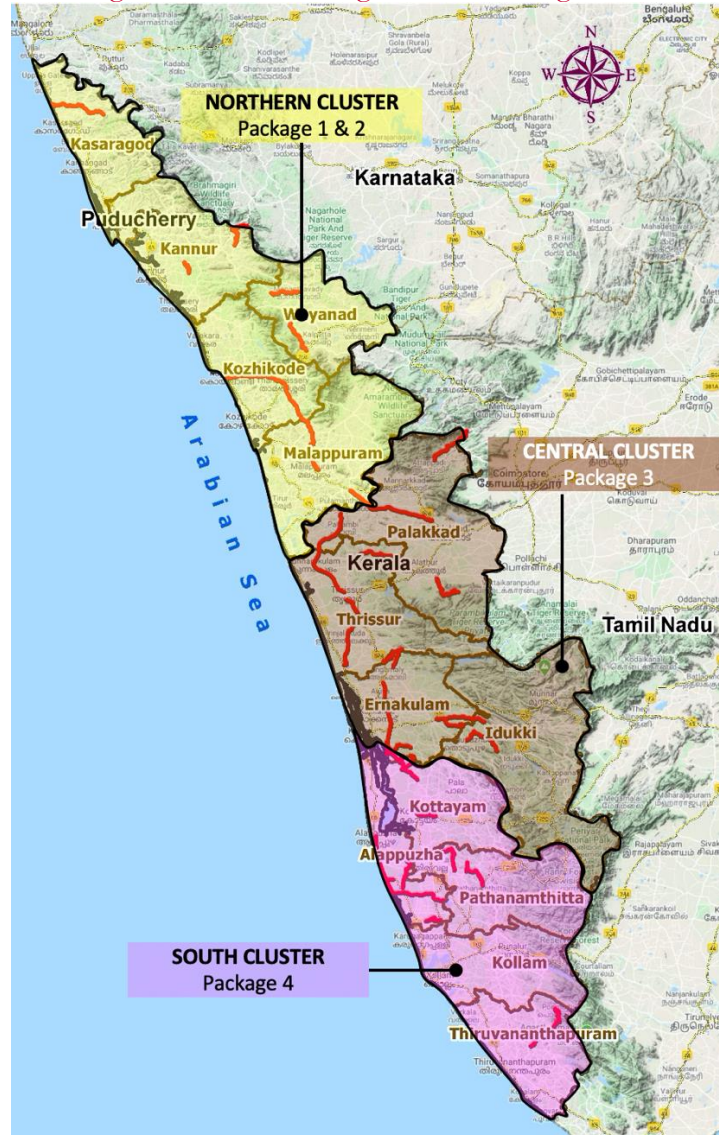
Kerala, a coastal State in the south of India, was inundated with a once in 100-year state-wide flood in 2018, by way of unusually high rainfall, that led to damages of nearly USD 5.6 billion, affected 5.4 million people, and left 483 people dead. This disaster, which affected thirteen out of the fourteen 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	Kasargod	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)	37.948
7	Rd-7	Alappuzha	SH/MDR	Thattararnbalam-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)					214.93

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 and agreement was executed on 27th Oct’2020
- SAI-Orion JV has been selected as CSC 03 & 04 for Lot 01 & 02 and commenced works from 12th Jul’2021, mobilization of key personnel in progress

Table 5 Supervision Consultants and Authority’s Engineer

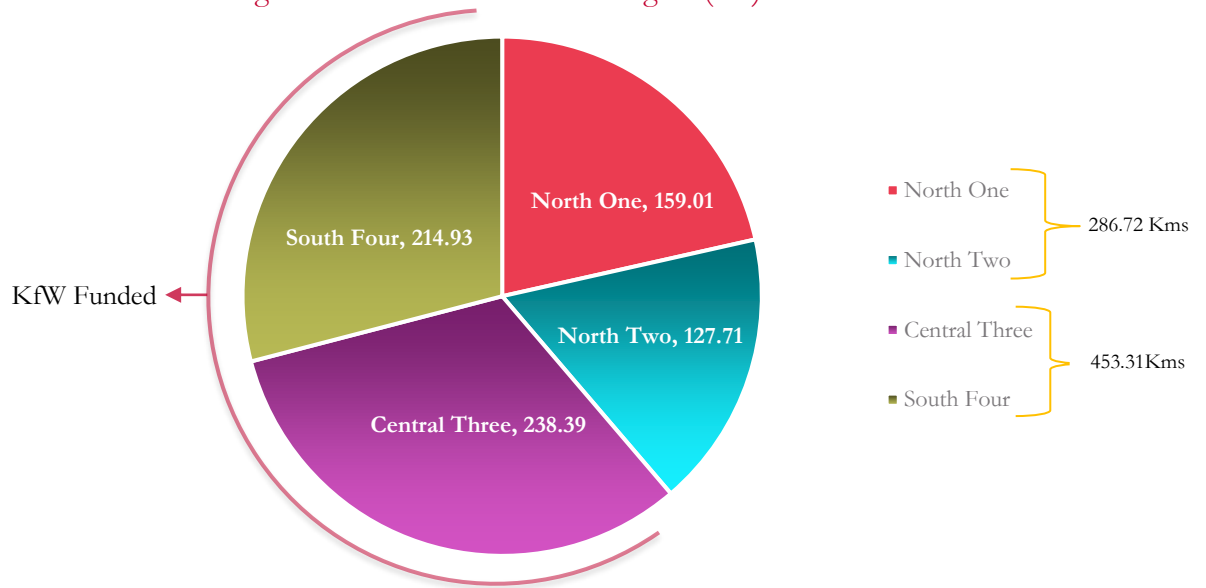
No	Contract Name	Package	Awarded to
1	Consulting Services for Construction Supervision for Climate Resilient Reconstruction after Flooding in Kerala	3 & 4	M/s SAI-Orion JV
2	Consultancy Services For Authority’s Engineer For Supervision Of ‘Rehabilitation &Upgrading the State Highways & Major District 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 740.03 km (KfW 453.31 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 :10
Report Duration	1-July-2021 to 31-July-2021	
Date of Agreement	14-Aug-2020	
Date of Commencement	18-Aug-2020	
Duration of Contract	42 Months	

3. Consultant’s Activities, Staffing and Time Schedule

3.1. 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

3.2. 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-2020	08-Sep-2020	33	Full Time
4	Environmental & Social Specialist	AM Reddy	29-Oct-2020	-	30	Full Time
5	Health and Safety Officer	Ghulam Jawed	02-May-2021		30	Full Time
6	Community Liaison Officer	Dilkush H	10-Sep-2020	-	30	Full Time
Non-Key Experts						
7	Materials & Pavement Engineer	Sunil Srivastava	10-Feb-2021	15-July-2021	16	Full Time
8	Highway Engineer	Ambedkar Chilka	15-Feb-2021	-	20	Full Time
9	Bridge Engineer	S. Prasad	25-Feb-2021	-	16	Full Time
10	Environmental Specialist	V.Manikandhan	01-Apr-2021	-	16	Full Time
11	Planning Engineer	Amrutha	18-Aug-2020	07-Nov-2020	30	Full Time
		Y. Srikanth	8-Nov-2020	-		
12	Accompanying Pool of Experts (Intermittent)		11-Jan-2021		20	Intermittent
Supporting Staff						
13	Document Controller	Kishore Nair	24-Sep-2020	-	30	Full Time
14	Accountant	Balu V	23-Nov-2020	-	30	Full Time

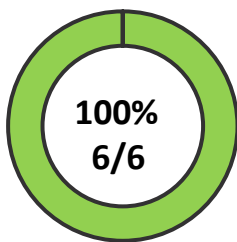
Source: Louis Berger Analysis

4. Progress of Construction

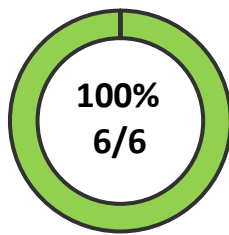
List of the Consultant(s) and Contractors incl. brief description of each Contractor’s tasks, contract volume and results, appendices:

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

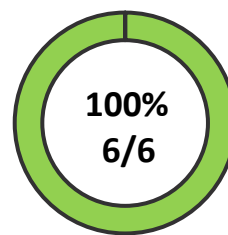
North Package 01 (Funded by World Bank)



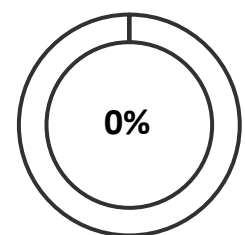
Tenders Published



Tenders Opened



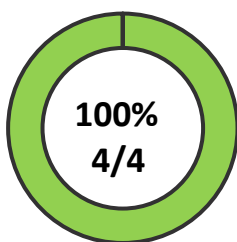
Contracts Awarded



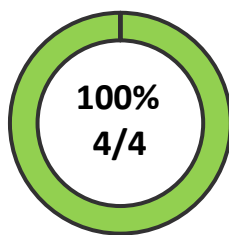
Construction Progress

- In North Package 01, all the contracts have been awarded and currently review of drawings and site establishment works are in progress. Contractor has not yet started the execution works at site
- 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.
- PMC team visited North Package 01 and conducted introductory meetings for 6 projects, discussed on pre-construction activities and explained the relevance of the various submissions which are mandatory.

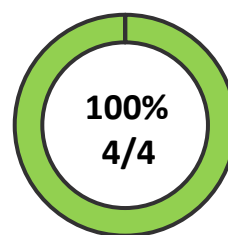
North Package 02 (Funded by World Bank)



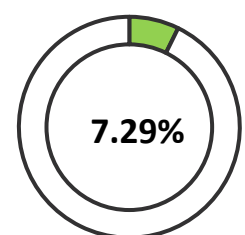
Tenders Published



Tenders Opened



Contracts Awarded

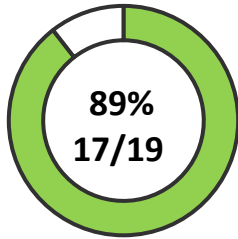


Construction Progress

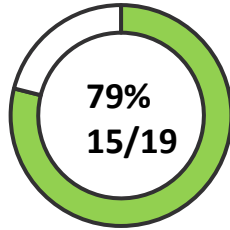
- In North Package 02, progress achieved till July’21 is 51.59 Crs which is 7.29 % of 789.66 Cr

- M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd has been appointed as Authority Engineer 01 for North Package 01 and agreement has been signed on 27th Oct'2020.

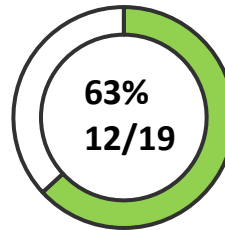
Central Package 03 & South Package 04 (Funded by KfW)



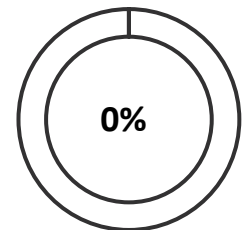
Tenders Published



Tenders Opened



Contracts Awarded



Construction Progress

- In Central Package 03, 6 roads (Rd-1,2,3,4,7,9) Agreements signed, 2 roads (Rd-8,Rd-10) are in evaluation stage, Rd 06 tendered with last date of submission as 02nd Aug'2021 and Rd 05 awaiting for KfW approval for tendering
- In South Package 04, 6 roads (Rd-1,Rd-3,Rd-4,Rd-5,Rd-7 & Rd-8) Agreement signed, 1 road (Rd-2) in evaluation stage and 1 road Rd-6 tendered with last date of submission of bids as 9th Aug'2021 & Rd-9 is in DPR approval stage. Funding for Rd 06 will be done by World bank
- The commencement date for CSC 03 and CSC 04 has been issued on 12th July'2021 and mobilization of key personnel in progress

4.1. Status of North Package 01 & 02

Table 8 Status of North Package 01 & 02

Status of North Package 01 & 02 funded by World bank under EPC Mode														
S.No	Package	Road Ref No	Description	District	Length (Kms)	Duration	Contract Amount in INR Crores	Appointed Date	Completion Date	Contractor	Authority Engineer	Progress Achieved FTM July'2021 in INR Crs	Progress achieved till 31st July'2021 in INR Crs	Status till July'21
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	102.83	01-Mar-21	31-Aug-22	M/s ULCCS		-	-	* Appointed is revised from 29th Dec'2020 to 1st Mar'2021 * Pre-Construction Activities in progress
2		RKI-11	Edoor - Companynirath - Anapanthy - Angadikkadavu - Vaniyappara - Charal - Valavupara - Kacherikkadavu - Palathumkadav road	Kannur	24.45	18	128.43	21-Dec-20	22-Jun-22	M/s RDS Projects		-	-	* Pre-Construction Activities in progress
3		RKI-12	Uruvachal Manakkayi valayal (including bridge parellel to aqueduct at valayal)-Keezhallur Therur Palayod-Vellaparamba Karimbala Colony Maruthaayi Road	Kannur	18.46	18	100.43	20-Apr-21	20-Oct-22	M/s EPIL	M/s. MSV International Inc. JV M/s.JSV Associates Engineers Pvt.Ltd	-	-	* Pre-Construction Activities in progress
4		RKI-13	Kumbla- Badiadka-Mulleria Road	Kasargod	29.14	24	158.85	21-Jan-21	21-Jan-23	M/s RDS Projects		-	-	* Pre-Construction Activities in progress
5		RKI-14	Koyilandy Thamrassery Mukkam Areekode Edavanna road	Kozikode	46.32	24	221.065	18-Mar-21	18-Mar-23	M/s. Sreedhanya Construction Company		-	-	* Pre-Construction Activities in progress
6		RKI-15	Vythiri-Tharuvana road	Wayanad	13.335	16	63.9	07-Jun-21	30-Sep-22	M/s. Midland Engineering and Contracting Company		-	-	* Pre-Construction Activities 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	144	20-Jan-21	22-Jul-22	M/s KMC Constructions		6.94	21.27	*Planned Progress/Achieved Progress =26.68%/14.77%
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	189.76	23-Nov-20	25-May-22	M/s Shreedanya Construction Company	M/s Egis India Consulting Engineer Pvt.Ltd. In JV with Orion Infra consulting Pvt.Ltd	11.14	24.14	*Planned Progress/Achieved Progress =21.50%/12.72%
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	323.10	27-Jan-21	28-Jan-23	M/s KMC Constructions		0.85	1.60	*Planned Progress/Achieved Progress =4.75%/0.50%
10		RKI-8	Thavalam Mully Road CH 0/000 to 28/800	Palakkad	28.5	18	132.8	23-Nov-20	25-May-22	M/s Akshya Builder JV EKK		3.57	10.58	*Planned Progress/Achieved Progress =30.50%/7.97%
Total Length of North Package 1 & 2 (Kms)					286.72		1565.18					22.50	57.59	

* Contract Amount is Excluding Maintenance

4.2. Authority Engineer:

4.2.1. 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. Agreement was signed on 27th Oct'2020

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

Table 9 AE 01 Key Personnel Mobilization

S.No	Designation	Name of the Person	Remarks
Key Personnel			
1	Team Leader	Joseph Mathew K	Replacement for 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	Ramanjaneyalu	
5	Assistant Resident Engineer 3	Sanu Soman	
6	Assistant Resident Engineer 4	Jagadeesan	
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	Jayapalan K	
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	

4.2.2. 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

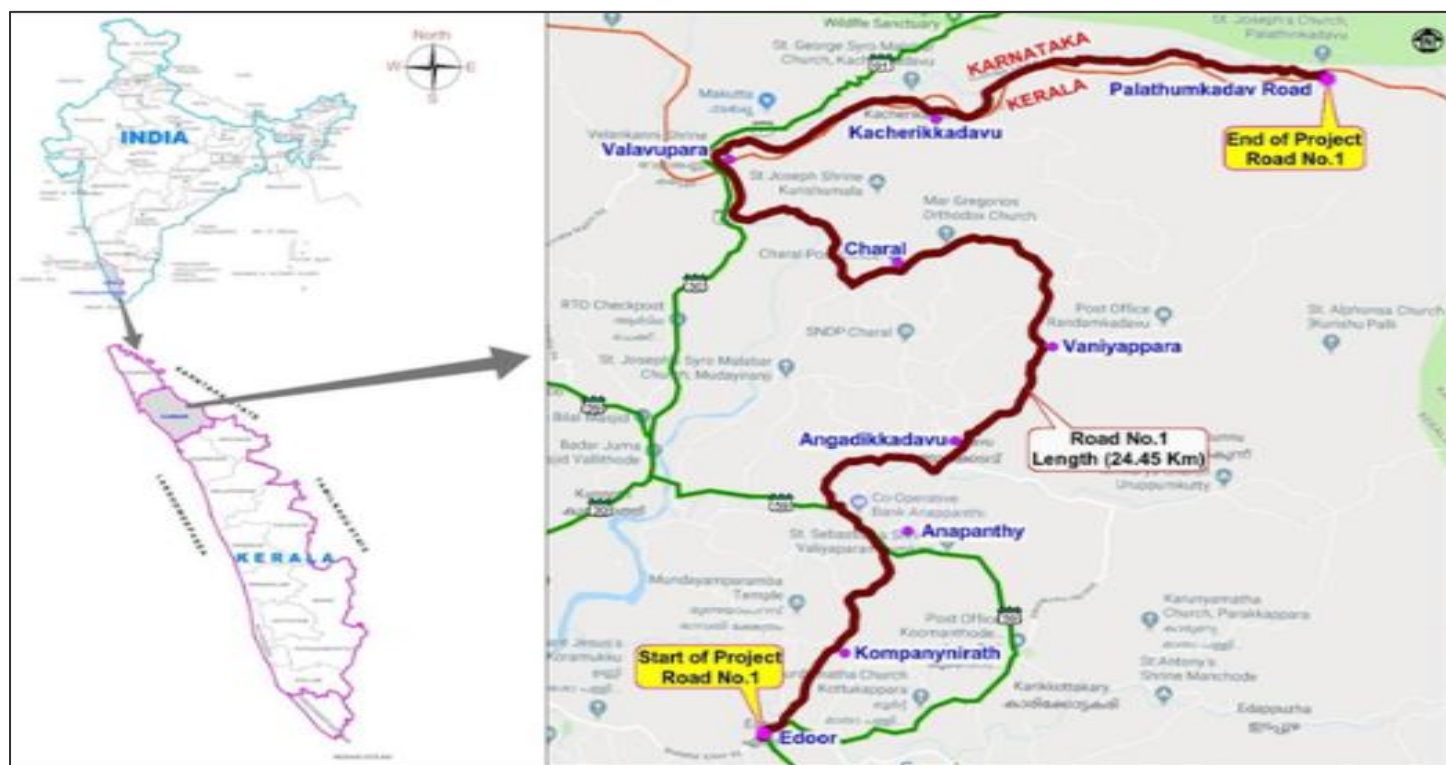
Table 10 AE 02 Key Personnel Mobilization

Sl. No	Position	Name of the Person
(A)	Key Professional	
1	Team Leader cum Senior Highway Engineer	R Jethindra Gowd
2	Resident Engineer cum Pavement Specialist	P K Joy
3	Assistant Resident Engineer	A.Kasiduari
4	Assistant Resident Engineer	Nino Alex Kaleeckal
5	Assistant Resident Engineer	N. Madhava Reddy
6	Assistant Resident Engineer	Raju Bola
7	Assistant Resident Engineer	P. Jagatheeswaran
8	Assistant Resident Engineer	Bhaskar Rao Modi
9	Bridge/Structural Engineer	K K Rajesh
10	Senior Quality cum Material Expert	G Thayalan
11	Road Safety Expert	Dr. M Murali Krishna
12	Senior Contract Specialist	T.P. Rama Rao
13	Environmental Specialist	V.Balamurugan
14	Health & Safety Engineer	Durga Kiran Kumar Kotra
15	Labour/Social Specialist	Bhavesh Harkant Vyas
16	Highway Design Specialist	Venkateswarlu. K
17	Bridge Design Specialist	Gaurang Shah. M
18	Project Coordinator	Ch Sarath Babu
(B)	Sub-Professional	
1	Quantity Surveyor	Sreelal P
2	Survey Engineer_1	Saravanan Muralidharan
3	Survey Engineer_2 (under Variation)	Thomas Kutty Lukose
4	Survey Engineer_3 (under Variation)	To be Mobilized
5	Survey Engineer_4 (under Variation)	To be Mobilized
6	Lab Technician_1	Praveen Ramakrishna
7	Lab Technician_2 (under Variation)	Gudi Anil
8	Lab Technican_3 (under Variation)	Siva Chandran K
9	Lab Technican_4 (under Variation)	To be Mobilized
(C)	Support Staff	
1	Office Manager	Hariharan. KV (Replaced with Mrs. Mafeela TP)
2	Accountant cum Cashier	Manas Chandra Sahoo (replaced with Rahul)
3	Steno Computer cum Operator-1	Krepalu. P
4	Steno Computer cum Operator-2	Sharvin. T
5	Office Boy-1	Kavitha. M
6	Office Boy-2	Muhammad Anas TK

North Package 01:

- 1) RKI-11: Edoor – Companynirath - Anapanthy- Angadikkadavu– Vaniyappara - Charal - Valavupara - Kacherikkadavu - Palathumkadav road (MDR Road from Km 0+000 to Km 24+450).

Name of the contractor	Total Length	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Date of Completion
M/s RDS Projects Ltd	24.45 Kms	18	128.43	21-Dec-2020	22-June-2022



The project highway consists of Edoor – Companynirath – Anapanthy - Angadikkadavu–Vaniyappara - Charal - Valavupara - Kacherikkadavu - Palathumkadav road section of MDR from Km 0+000 to 24+45 for the length of 24.45km. The project stretch is predominantly a 2-lane road with/without the paved shoulder. The terrain is plain to rolling Ribbon development observed all along the stretch. Land use is agricultural, and the riding quality is fair. Built-up areas are predominant along the entire stretch, since MDR is 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

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

Status of Manpower & Machinery Mobilization:

Table 11 RKI -11 Key Personnel Mobilization

S. No	Name	Designation	Nos	Remarks
1	Sreekumar	Vice President	1	
2	Varughese Abraham	Deputy Project Manager	1	
3	Rahman	Safety Engineer	1	
4	Sayooj	Quantity Surveyor	1	
5	MD Nathan	Material Engineer	1	
6	Antony	Highway Engineer	1	
7	Jackson	Site Supervisor	1	
8	Ebin	Senior Surveyor	1	
9	Vivek	Surveyor	1	
10	Nizar	Office assistant	1	
11	Ashish	Office assistant	1	
12	Jose	PRO	1	
13	Ansil Ayooob	QC Engineer	1	
14	Harun	QC Engineer	1	
15	Yoganathan	Lab Technician	1	
Total			15	No's

Table 12 RKI 11 Machinery Mobilization

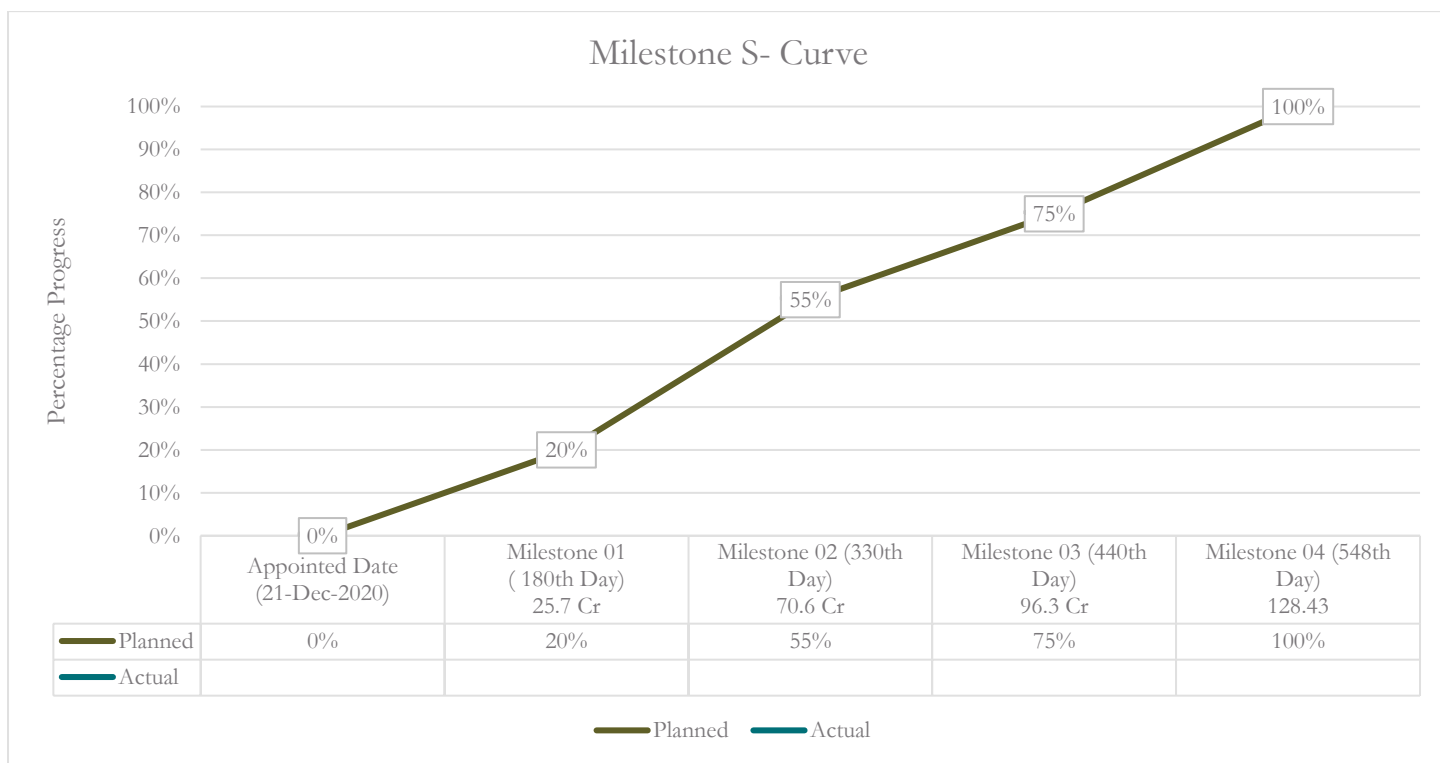
Sl No	Type of Machinery	Unit	Own/Hire		Mobilized to site till date	Model	Capacity	Remarks
			Own	Hire				
1	LMV	Nos	4		4			
2	Tipper	Nos	2		2		300 CFT	
3	Back Hue Loader	Nos	2		2			
4	Tipper	Nos	2		2		150 CFT	
5	Grader	Nos	1		1			
6	Soil Compactor	Nos	1		1			
7	Excavator	Nos	2		2			
8	Water Tanker	Nos	1		1			
9	Paver	Nos	1		1			
10	Tandom Roller	Nos	1		1			
11	Pneumatic Tandom Roller	Nos	1		1			

Status as on 31st July'2021:

- ❖ Pre-Construction Activities in Progress
- ❖ Hindrances and shifting of utilities causing delay in inception of Construction activities at site. Milestone 1 could not be achieved and the same has to be revised. Contractor has submitted occurrence of Force Majeure as per Article 21.

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	-	-	Not Achieved
Milestone II	330	55%	-	16-Nov-2021	-	-	
Milestone III	440	75%	-	06-Mar-2022	-	-	
Milestone IV	548	100%	-	22-Jun-2022	-	-	



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 13 Status of Other Permits RKI -11

S. No	Types of clearance	Applicability	Status	Remarks
1.	Tree felling permission	For road side tree cutting	Auction Completed. Cutting yet to Start	
2.	Consent for establish	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
3.	Consent for operate	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
4.	Explosive license from chiefcontroller of explosives	Procuring from Third Party Material	NA	
5.	Quarry lease deed and quarry mining from state Department of mines and geology	Contractor intend to procure aggregate from authorized/approved suppliers and accordingly contractor will not be extracting any boulders from quarry	NA	
6.	Permission of Village Panchayats and Pollution Control Board for installation of crushers	Contractor intend to procure aggregate from authorized/approved suppliers and accordingly, Contractor will not be extracting any boulders from quarry	NA	
7.	Permission for extraction of ground water for use in road construction activities from stateground water board/central ground Water authority	Extraction of groundwater	Completed	
8.	Permission for use of water for construction purposes from irrigation department	Use of surface water for construction	NA	
9.	Labour license from Labour commissioner office	Engagement of labour	Under Process	
10.	Stockyard	Stocking materials for the project	Completed	
11.	Borrow areas	Stocking of soil along the stretch	Under Process	

Bank Guarantee:

Bank Guarantee details are presented below

Table 14 Bank Guarantee RKI 11

S. No	Description	Bank GuaranteeNo.	Value of Bank Guarantee(CR)	Valid		Remarks
				From	To	
1	Bank guaranteeAgainst Performance Security	0078IGP0096962 0	10.2744	19/10/2020	16/07/2022	Bank of Baroda
2	Bank guarantee Against Environmental, Social, Health and Safety (ESHS)	0078IGP0096922 0	2.5686	19/10/2020	16/07/2022	Bank of Baroda

Minutes of Introductory Meeting Chaired by PMC-KSTP at Kannur:

Minutes of the Introductory meeting of RKI-11 & 13 held on 7th July 2021 chaired by the Team Leader, PMC-KSTP at Kannur

Project : RKI-11 – EDOOR – PALATHINKADAVU
: RKI-13 – KUMBLA – BADIADKA - MULERIA

Contractor : M/s RDS PROJECTS LTD.

Authority Engineer : M/s. MSV-JSV JV

Project Management Consultant : LOUIS BERGER INTERNATIONAL

PRESENT :

#	NAME	DESIGNATION	ORGANISATION
1	Mr. Mohan Krishnan Poduval	Team Leader	LBI, PMC
2	Ms. Shalini Thomas	Sr. Cost Surveyor	LBI, PMC
3.	Mr. Dilkush Haridas	Community Liaison Officer	LBI, PMC
4	Mr. R. Jethindra Gowd	Team Leader	MSV - JSV JV – AE2
5	Mr. P.K. Joy	Resident Engineer	MSV - JSV JV – AE-2
6	Mr. C.H. Sarath Babu	Project Co-ordinator	MSV - JSV JV – AE-2
7	Mr. Bhavesh Vyas	Labour & Social Specialist	MSV - JSV JV – AE-2
8	Mr. Unnikrishnan B	AVP	M/s. RDS Projects
9	Mr. Sreekumar MV	Vice-President	M/s. RDS Projects
10	Mr. Amit Joseph	Associate Director	M/s. RDS Projects
11	Mr. Ratheesh K	Manager Contracts	M/s. RDS Projects
12	Mr. Razeen C.R	Project Co-ordinator	M/s. RDS Projects
13	Mr. Abdul Rahman	Environmental Consultant	M/s. RDS Projects

The meeting commenced at 10.00 am with a word of welcome by the chair followed by the introduction of all present. Since the top management had come to represent both the projects, the meeting has been conducted jointly for both packages.

RKI 11 - EDOOR – PALATHINKADAVU

The appointed date of the project has been declared as 21st Dec 2020 for the project. The preliminary mobilization works have been completed. The auction of Trees to be felled is also complete. The Plan & Profile for 0-15km has been submitted and under review. The AE confirmed that the approval would be granted in this week on the confirmation that the sufficient ROW is expected to be made available by voluntary surrender by the land owners.

KM 15-23, the Plan & profile has been submitted. But the presence of the KSEB Main Power supply to the substation is running along the RHS of the existing carriageway. The ROW is not sufficient for relocation. Several options has been discussed and the Contractor has been



One

instructed to prepare different proposals for relocation of the UG cable with reference to the available ROW, alignment of the road and topographic survey.

The Contractor stated that due to the ROW issues which caused delay in approval of the drawings, they could not commence the work even after the expiry of the 1st Milestone and they would be submitting the request for Extension of Time.

RKI-13 – KUMBLA – BADIADKA - MULERIA

The appointed date of the project has been declared as 21st Jan 2021 for the project. The preliminary mobilization works have been completed.

The Plan & Profile of Km 0-10 has been submitted and under review. The AE stated that the observations given have been complied and the approval would be granted soon.

The status of the documents which are required to be submitted mandatorily has been discussed in detail for each project and annexed. The contractor has been advised to submit the documents on the committed dates positively.

Community liaison officer of PMC mentioned that special attention is required on access to private, cultural and religious properties at the time of construction. Advance intimation to be provided if any chance of temporary blocking of access and alternate arrangements to be made in consultation with concerned party.

Sociologist of contractor needs to maintain good relationship with public representatives etc., to have a smooth completion of works at site. Labour/ social specialist of Authority Engineer needs to coordinate with the Sociologist of contractor.

The meeting concluded at 12.45 pm with a vote of thanks from the chair.


Mohan Krishnan Poduval
Team Leader - PMC



INTRODUCTORY MEETING - PACKAGE - I PROJECTS

DATE : 07.07.2021

RKI - 11 - Edoor - Palathumkadavu

Contractor : M/s RDS Projects Ltd.

CHECKLIST OF IMPORTANT PRE-CONSTRUCTION SUBMISSIONS & APPROVALS

#	DOCUMENT	STATUS	COPY	REMARKS
1	Signed Memorandum of Inventory	submitted		
2	Confirmation of Appointed Date	submitted		21st December 2020.
3	Manpower deployment including List of available Key Personnel (as per Contract)	Original personnel are replaced		Will be submitted by 25th July 2021 with credentials
4	Approved Programme	Submitted to EE in Jan '21	Yes	Received by AE-2 last week and being reviewed. However, revised programme will be submitted with request for EoT.
5	Approved ESMP	Submitted to EE in Jan '21		Received by AE-2 last week and being reviewed.
6	Approved Quality Assurance Plan	Submitted to EE in Jan '21		Received by AE-2 last week and being reviewed.
7a	Layout of HM Plant Area	Prepared		Will be submitted by 25th July 2021
b	Batching Plant Area	Prepared		Will be submitted by 25th July 2021
c	Laboratory	Prepared		Will be submitted by 25th July 2021
d	Material Yard	Prepared		Will be submitted by 25th July 2021
e	Borrow area	Prepared		Will be submitted by 25th July 2021
f	Any other			Camp layout to be submitted
8	Copy of Insurances	Submitted to EE		Copy to be submitted to AE
9	Video recording of the Site – Pre-construction Stage.	submitted	Yes	Recorded in Jan 2021
10	Advance payment application with receipt dates	Two instalments taken	Yes	1st Instalment paid on 6th Jan 2021. 2nd Instalment 23.03.2021
11	List of Drawings with submission and approval dates	Under review		0-15km Plan & profile submitted and review & revision is almost complete
12	Bifurcation of Sch. 'H'.	Submitted to EE in Jan '21	Yes	To be submitted to AE for review and recommendation

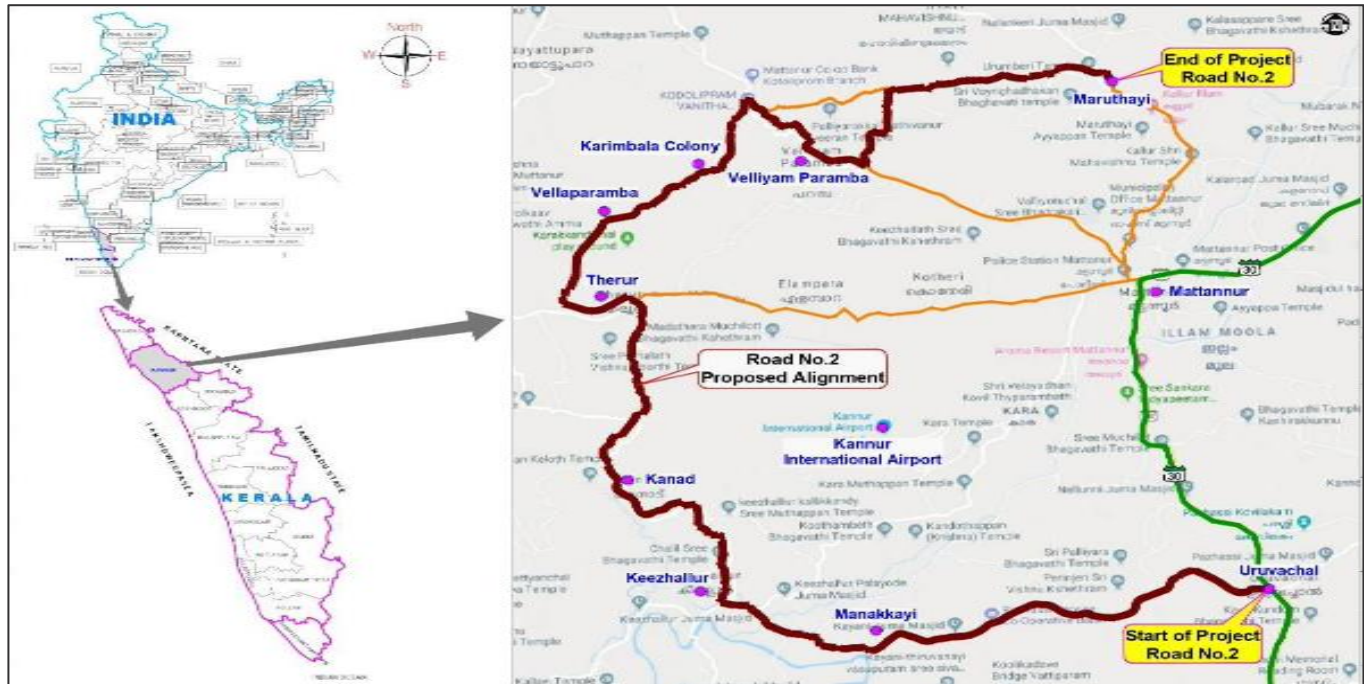
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2) RKI-12: Upgrading Uruvachal-Manakkai-Valayal, Kezhallur Therur-Palayod, Vallaparamba-Karimbala Colony- Kodolipram & Cholakkari-Nerammal- Maruthaayi road in Kannur district.

Name of the contractor	Total Length in Kms	Duration in Months	Contract Value in Crs (Exc Maintenance)	Appointed Date	Original Completion Date
M/s Engineering Projects (India) Ltd	18.46	18	100.43	20-Apr-2021	20-Oct-2022

Key Project Map



The Project starts at Uruvachal Junction and ends at Marythaayi Road Junction. The project stretch is predominantly Single Lane / Intermediate Lane / Two Lane road with/without the paved shoulder. The condition and the riding quality of the road is fair to poor. The terrain is plain to rolling Ribbon development observed all along the stretch. Land use is agricultural. Out of 18.46km, 7.785Km is built up Location. Since MDR is an important road, which is crossing 1 SH roads and 6 MDR in the Kannur district as well to the Kannur International Airport. 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.

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

Status of Manpower & Machinery Mobilization:

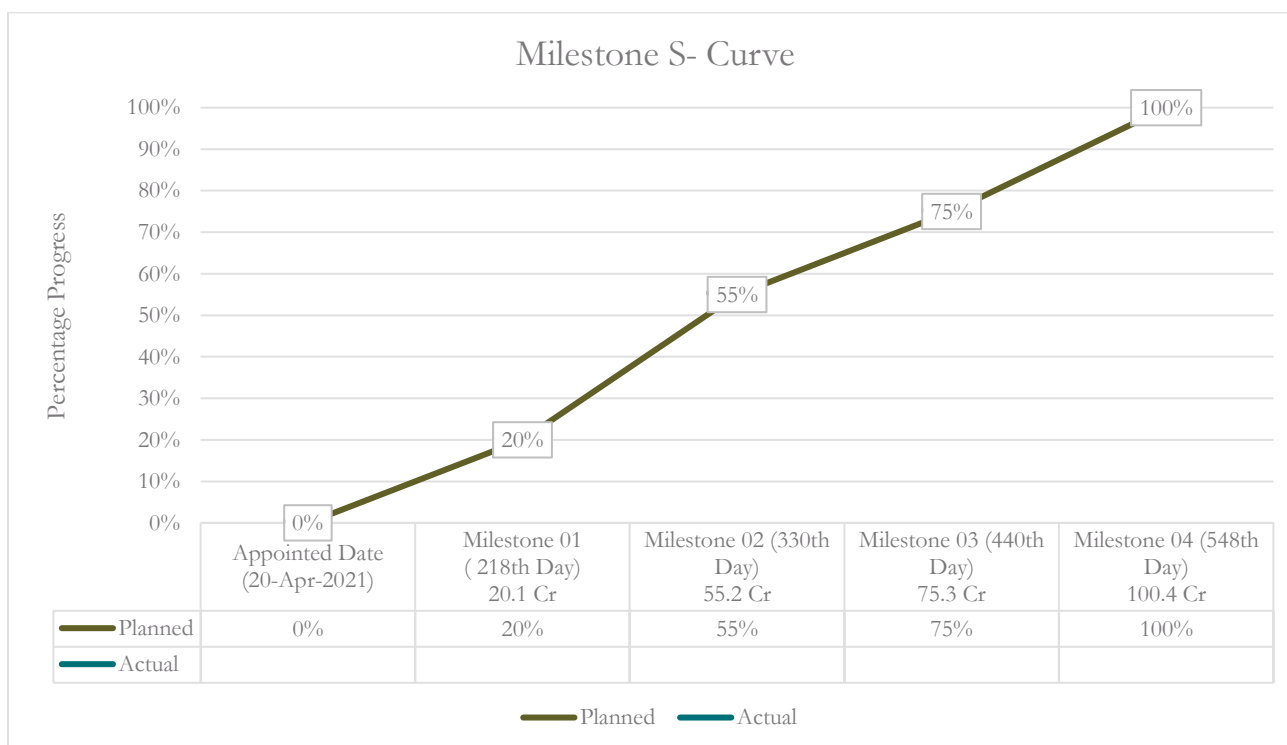
- ❖ The details of contractor key personal and machinery details are not submitted by Contractor. Same shall be incorporate in the next Monthly Progress Report. EPC Contractor is requested to submit the details of Key Personnel's Qualifications & Experience as per Contract.

Status as on 31st July'2021:

- ❖ Survey works and Site establishments are in progress.
- ❖ Plan & Profile submitted from Km 0+000 to km 4+990. AE has asked additional information/reports like design basis etc for review of these Plan & Profile. Compliance still pending

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%	-	24-Nov-21	-	-	
Milestone II	330	55%	-	16-Mar-22	-		
Milestone III	440	75%	-	04-Jul-22	-		
Milestone IV	548	100%	-	20-Oct-22	-		



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 15 Status of Other Permits RKI 12

S. No	Types of clearance	Applicability	Status	Remarks
1.	Tree felling permission	For road side tree cutting	Under Process	
2.	Consent for establish	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
3.	Consent for operate	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
4.	Explosive license from chiefcontroller of explosives	Procuring from Third Party Material	NA	
5.	Quarry lease deed and quarry mining from state Department of mines and geology	Contractor intend to procure aggregate from authorized/approved suppliers and accordingly Contractor will not be extracting any boulders from quarry	NA	
6.	Permission of Village Panchayats and Pollution Control Board for installation of crushers	Contractor intend to procure aggregate from authorized/approved suppliers and accordingly Contractor will not be extracting any boulders from quarry	NA	
7.	Permission for extraction of ground water for use in road construction activities from state ground water board/central ground Water authority	Extraction of groundwater	Under Process	
8.	Permission for use of water for construction purposes from irrigation department	Use of surface water for construction	NA	
9.	Labour license from Labour commissioner office	Engagement of labour	Under Process	
10.	Stockyard	Stocking materials for the project	Under Process	
11.	Borrow areas	Stocking of soil along the stretch	Under Process	

Bank Guarantee:

Bank Guarantee details are presented below

Table 16 Bank Guarantee RKI 12

S. No	Description	Bank Guarantee No.	Value of Bank Guarantee (CR)	Valid		Remarks
				From	To	
1	Bank guarantee Against Performance Security	IOB/LGI/040871120000046	8.0341	12/11/2020	31/05/2023	Indian Overseas Bank
2	Bank guarantee Against Environmental , Social, Healthand Safety (ESHS)	IOB/LGI/040871120000047	2.0085	12/11/2020	31/07/2022	Indian Overseas Bank

Minutes of Introductory Meeting Chaired by PMC-KSTP at Kannur:

Minutes of the Introductory meeting of RKI-12 held on 6th July 2021 chaired by the Team Leader, PMC-KSTP at Kannur

Project : RKI-12 – URAVACHAL – MARUTHAYI
Contractor : M/s ENGINEERING PROJECTS (INDIA) LTD.
Authority Engineer : M/s. MSV-JSV JV
Project Management Consultant : LOUIS BERGER INTERNATIONAL

PRESENT :

#	NAME	DESIGNATION	ORGANISATION
1	Mohan Krishnan Poduval	Team Leader	LBI, PMC
2	Shalini Thomas	Sr. Cost Surveyor	LBI, PMC
3	Dilkush Haridas	Community Liaison Officer	LBI, PMC
4	R. Jethindra Gowd	Team Leader	MSV - JSV JV – AE-2
5	P.K. Joy	Resident Engineer	MSV - JSV JV – AE-2
6	C.H. Sarath Babu	Project Co-ordinator	MSV - JSV JV – AE-2
7	Bhaves Vyas	Labour & Social Specialist	MSV - JSV JV – AE-2
8	Mohammed Salim	Project Manager (in charge)	M/s. EPIL
9	Geo A.A	QS cum Planning Engineer	M/s. EPIL

The meeting commenced at 10.00am with a word of welcome by the chair followed by the introduction of all present.

The Project Manager (in charge) of M/s EPIL Mr. Salim reported that Mr. Ranjit M.R the Project Manager has been affected with COVID and is quarantined. Hence he is representing on behalf.

The appointed date of the project has been declared as 20th April 2021. The preliminary mobilization works are in progress. The contractor stated that location of the Batching Plant, HM Plant, Laboratory, etc., have been identified and the layout of the same has been prepared.

The status of the documents which are required to be submitted mandatorily has been discussed in detail and annexed. The contractor has been advised to submit the documents on the committed dates positively.

Community liaison officer of PMC informed that proposed RoW to be marked at site to identify the encroachments or sensitive structures if any falling in the alignment.

Team leader and labour/ social specialist of Authority Engineer pointed out that the available land width as per revenue records in all the roads under package 1 is very less (like 2-3mtr) but the available land width at site is around 4 to 5 mtr. As the minimum width required as per design is 7.5 mtr., it was conveyed by the public leaders that the remaining land required to




satisfy the minimum land requirement will be voluntarily surrendered by the individuals who are holding the land. Hence demarcation of proposed RoW need not to be done at this stage as it invites public agitation or issues.

Community liaison officer of LTPMC mentioned that special attention is required on access to private, cultural and religious properties at the time of construction. Advance intimation to be provided if any chance of temporary blocking of access and alternate arrangements to be made in consultation with concerned party.

Sociologist of contractor needs to maintain good relationship with public representatives etc., to have a smooth completion of works at site. Labour/ social specialist of Authority Engineer needs to coordinate with the Sociologist of contractor.

The meeting concluded at 12.00pm with a vote of thanks from the chair.


Mohan Krishnan Poduval
Team Leader - PMC



INTRODUCTORY MEETING - PACKAGE - I PROJECTS

DATE : 6th July 2021

RKI - 12 - Uruvachal - Maruthayi

Contractor : M/s EPIL.

CHECKLIST OF IMPORTANT PRE-CONSTRUCTION SUBMISSIONS & APPROVALS

#	DOCUMENT	STATUS	COPY	REMARKS
1	Signed Memorandum of Inventory	Submitted	Yes	to mail annexes to PMC for record
2	Confirmation of Appointed Date	confirmed as 20.04.2021	Yes	KSTP/217/2020-AE-2 dtd 20.04.2021
3	Manpower deployment including List of available Key Personnel (as per Contract)	Incomplete		Contractor should submit all Cvs with relevant certificates of all personnel as listed in the contract as minimum requirement.
4	Approved Programme	Not submitted		curve shall be submitted by 13th July 2021
5	Approved ESMP	Not submitted		ESMP with all site specific plan shall be submitted by 20th July 2021
6	Approved Quality Assurance Plan	Not submitted		Shall be submitted by 20th July 2021
7a	Layout of HM Plant Area	Not submitted		Location identified. Plan will be submitted by 20th July 2021
b	Batching Plant Area	Not submitted		Location identified. Plan will be submitted by 20th July 2021
c	Laboratory	Not submitted		Location identified. Plan will be submitted by 20th July 2021
d	Material Yard	Not submitted		Location identified. Plan will be submitted by 20th July 2021
e	Borrow area	Not submitted		Location identified. Plan will be submitted by 20th July 2021
f	Any other			
8	Copy of Insurances	Not submitted		Applied for insurances. Shall be submitted by end of July 2021.
9	Video recording of the Site – Pre-construction Stage.	Recorded	Yes	Recorded on 05th July 2021
10	Advance payment application with receipt dates	1st Instalment	Yes	1st instalment of 2% paid on 1st June., Applied on 29th April 2021.
11	List of Drawings with submission and approval	0 -5.990 km		Incomplete submission. Re-submission required shall by 16th July 2021
12	Bifurcation of Sch. 'H'.	Not submitted		To be prepared in consultation with the AE and submit by 20th July 2021

Signature



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

Name of the contractor	Total Length in Kms	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Completion Date
M/S RDS Project Ltd.	29.135	24	158.85	21-Jan-2021	21-Jan-2023

Key Map



The project starts at Kumbla (Ch: 0+000) and ends at Mulleria (Ch: 28+500) in Kasaragod District. The project stretch is predominantly Intermediate Lane / Two Lane road with/without the paved shoulder / Four Lane. The condition and the riding quality of the road is fair. The terrain is plain to rolling Ribbon development observed all along the stretch. Land use is agricultural. Out of 29.135km length, 9.65Km is built up Location. The traffic predominantly consists of Trucks, Buses, cars but local movements of 2 wheelers and auto were observed. Hence traffic diversion during construction is the key factor.

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

Status of Manpower & Machinery Mobilization:

Table 17 RKI 13 Key Personnel Mobilization

S. No	Name	Designation	Nos	Remarks
1	AK Singhal	Project Manager cum Planning Engineer (Contractor's Authorized representative at site)	1	
2	Sajeevan MK	Highway engineer	1	
3	Ratheesh Kumar C	Structural Engineer	1	
4	K T Rajan	Materials Engineer	1	
5	Antony Syam	Quantity Surveyor	1	
6	Antony KD	Plant/Equipment Manager	1	
7	Vinu VM	Utility Engineer (Electrical)	1	
8	Santhosh Kumar	Utility Engineer(civil)	1	
9	Ajeesh B	Surveyor	2	
	Jithin S Lal			
10	Bala subramaniyan Kasi	Site Supervisor	3	
	Moorthi Veeraswami			
	Manjush PP			
11	Balamanikandan	Laboratory Technician	1	
12	Pattabhiram Yeggulla	Design Director	1	
13	Abdul Rahiman	Environmental Specialist	1	
14	Abin Surendran	Health and Safety Engineer	1	
15	Meera Vinos	Sociologist	1	
16	K. Venkata Ramana Murthi	Road Safety Consultant	1	
Total			19	No's

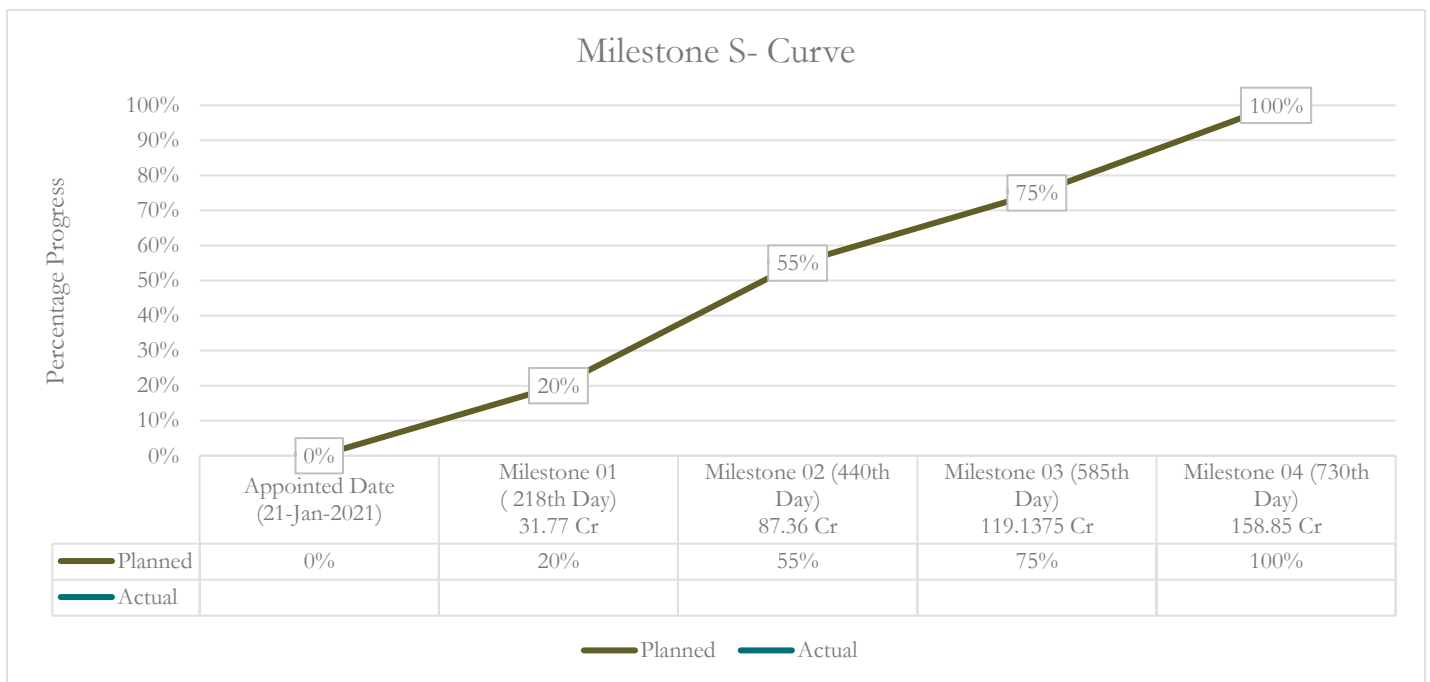
The details of contractor machinery details are not submitted by Contractor. Same shall be incorporate in the next Monthly Progress Report. EPC Contractor is requested to submit the details of Machineries as per Contract.

Status as on 31st July:

- ❖ Survey works and mix designs are in progress.
- ❖ Contractor re-submitted Plan and profile duly incorporating the comments from AE from Km 0+000 to 10+500. The same are being reviewed by AE.
- ❖ Structure drawings re-submitted from Km 0+000 to 10+500. The same was approved by AE .
- ❖ Electrical Utility Shifting is under process (Authority has to verify and approve the estimates.

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	730	100%	-	21-Jan-23	-		



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 Status of Other Permits RKI 13

S. No	Types of clearance	Applicability	Status	Remarks
1.	Tree felling permission	For road side tree cutting	Tree Verification by Forest Department is Under Process	
2.	Consent for establish	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
3.	Consent for operate	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
4.	Explosive license from chiefcontroller of explosives	Procuring from Third Party Material	NA	
5.	Quarry lease deed and quarry mining from state Department of mines and geology	Contractor intend to procure aggregate from authorized/approved suppliers and	NA	

		accordingly Contractor will not be extracting any boulders from quarry		
6.	Permission of Village Panchayats and Pollution Control Board for installation of crushers	Contractor intend to procure aggregate from authorized/approved suppliers and accordingly Contractor will not be extracting any boulders from quarry	NA	
7.	Permission for extraction of ground water for use in road construction activities from state ground water board/centralground Water authority	Extraction of groundwater	Under Process	
8.	Permission for use of water for construction purposes from irrigation department	Use of surface water for construction	NA	
9	Labour license from Labour commissioner office	Engagement of Labour	Under Process	
10	Stockyard	Stocking materials for the project	Under Process	
11	Borrow Areas	Stocking of Soil along the Stretch	Under Process	

Bank Guarantee:

Bank Guarantee details are presented below

Table 19 Bank Guarantee RKI 13

S.No	Description	Bank GuaranteeNo.	Value of Bank Guarantee (CR)	Valid		Remarks
				From	To	
1	Bank guarantee Against Performance Security	0078IGP001231620	12.7080	21/11/2020	20/02/2023	Bank of Baroda
2	Bank guarantee Against Environmental, Social, Health and Safety (ESHS)	0078IGP001231520	3.1770	21/11/2020	20/02/2023	Bank of Baroda

Minutes of Introductory Meeting Chaired by PMC-KSTP at Kannur:

INTRODUCTORY MEETING - PACKAGE - I PROJECTS

DATE : 07.07.2021

RKI - 13 - Kumbala - Mulleria

Contractor : M/s RDS Projects Ltd.

CHECKLIST OF IMPORTANT PRE-CONSTRUCTION SUBMISSIONS & APPROVALS

#	DOCUMENT	STATUS	COPY	REMARKS
1	Signed Memorandum of Inventory	submitted		
2	Confirmation of Appointed Date	submitted		21st January 2021.
3	Manpower deployment including List of available Key Personnel (as per	Original personnel		Will be submitted by 25th July 2021 with credentials
4	Approved Programme	Submitted to EE in Jan	Yes	Received by AE-2 last week and being reviewed. However, revised
5	Approved ESMP	Submitted to EE in Jan		Received by AE-2 last week and being reviewed.
6	Approved Quality Assurance Plan	Submitted to EE in Jan		Received by AE-2 last week and being reviewed.
7a	Layout of HM Plant Area	Prepared		Will be submitted by 25th July 2021
b	Batching Plant Area	Prepared		Will be submitted by 25th July 2021
c	Laboratory	Prepared		Will be submitted by 25th July 2021
d	Material Yard	Prepared		Will be submitted by 25th July 2021
e	Borrow area	Prepared		Will be submitted by 25th July 2021
f	Any other			Camp layout to be submitted
8	Copy of Insurances	Submitted to EE		Copy to be submitted to AE
9	Video recording of the Site – Pre-construction Stage.	submitted	Yes	Recorded in Feb 2021
10	Advance payment application with receipt dates	Two instalments	Yes	1st Instalment paid on 22 .02. 2021. 2nd Instalment 10.06.2021
11	List of Drawings with submission and approval dates	Under review		0-10km Plan & profile submitted and review & revision is almost complete
12	Bifurcation of Sch. 'H'.	Submitted to EE in Jan	Yes	To be submitted to AE for review and recommendation



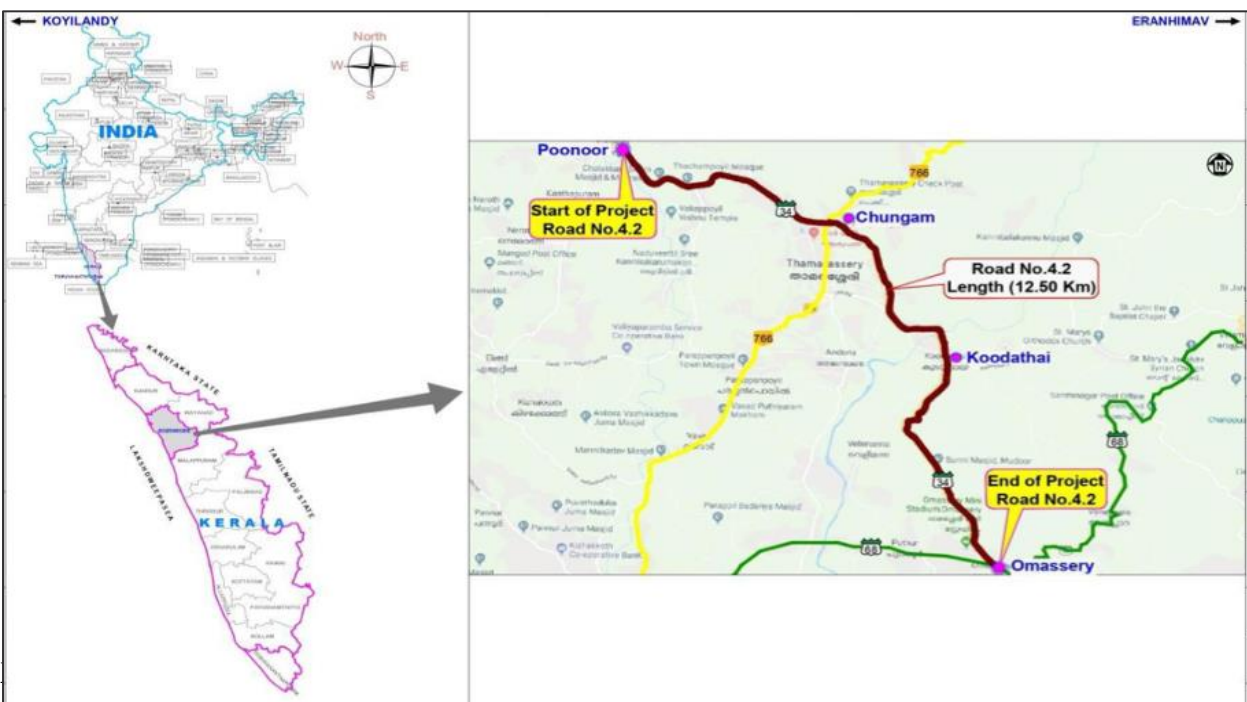

4) RKI-14 : Upgrading SH 34 Koyilandy –Thamarassery – Mukkam – Areekode Eranhimavu Road under Re-build Kerala Initiative

Name of the contractor	Total Length in Kms	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Completion Date
M/s. Sreedhanya Construction Company	46.32	24	221.065	18-Mar-2021	18-Mar-2023

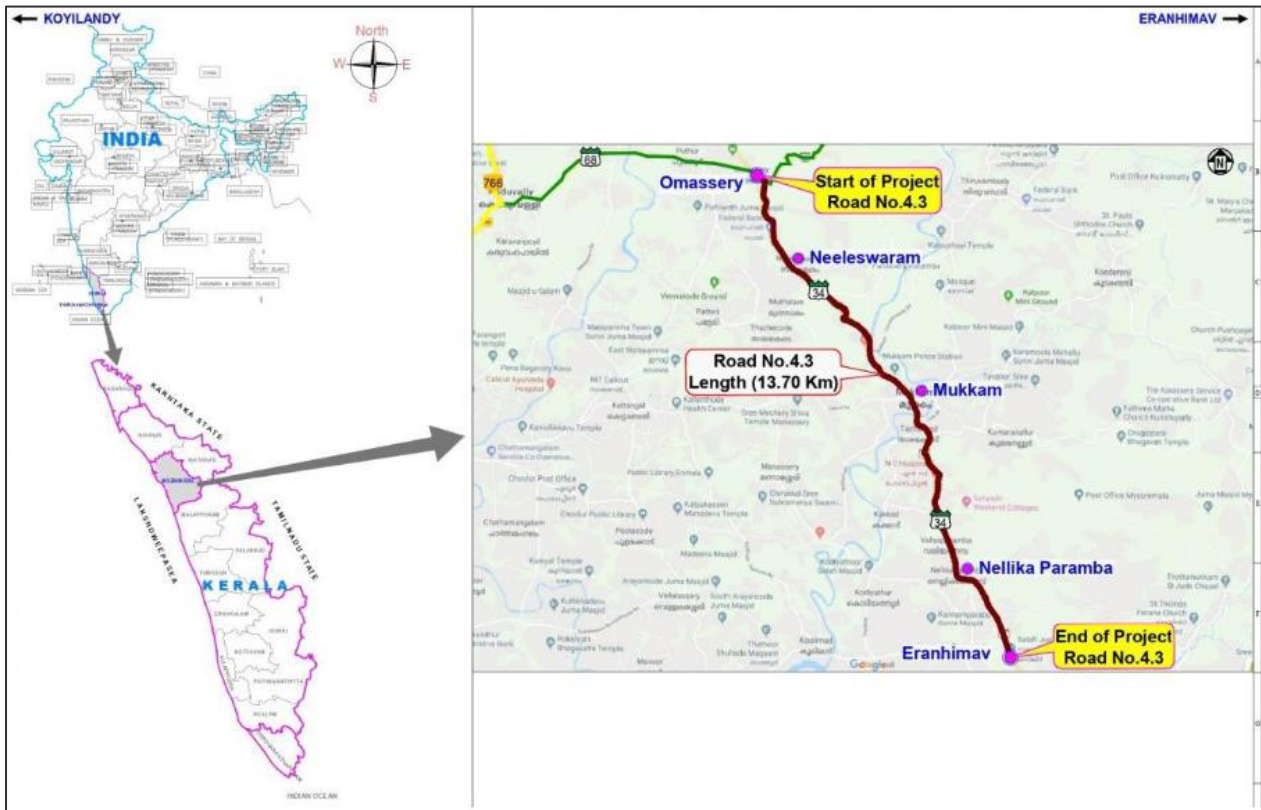
Location of Map Showing i) Koyilandy to Ponnor



Location of Map Showing ii) Ponnor - Omassery



Location of Map Showing iii) Omassery to Eranhimiv



The project starts at Koyilandy (Ch: 0+000) and ends at Edavanna (Ch: 51+020) in Kozhikode District. Project is divided into three sections i) Km 4+100 to 25+000 (Koyilandy to Poonoor) ii) Km:25+000 to 37+500 (Poonoor- Omassery) iii) Km 37+500 to 44+000 and 44+600 to 51+020 (Omashery to Eranhimav) for a length of 46.32 km. The project stretch is predominantly Intermediate Lane / Two Lane road with/without the paved shoulder / Four Lane. The condition and the riding quality of the road is fair. The terrain is plain to rolling Ribbon development observed all along the stretch. Land use is agricultural. Out of 46.32km length, 19.90Km is builtup Location. The traffic predominantly consists of Trucks, Buses, cars but local movements of 2wheelers and auto were observed. Hence traffic diversion during construction is the key factor.

Salient features:

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

Status of Manpower & Machinery Mobilization:

- ❖ EPC Contractor is requested to submit the details of Key Personnel's Qualifications & Experience as per Contract.

Table 20 RKI 14 Key Personnel Mobilization

SL NO	NAME OF STAFF	DESIGNATION
1	N Narasimman	Project Manager
2	Arun ashok	Planning /QS
3	Venugopal A S	Material Engineer
4	Ajith Asokan	Site Incharge
5	Noufal	Site Incharge
6	Madhusudhanan	Site Incharge
7	Narasimman A	Site Incharge
8	Akhil P S	QC Engineer
9	Manigandan Shanker	QC Engineer
10	Gokul Raj	QC Engineer
11	Kadhar	Head Surveyor
12	Sajan H	Surveyor
13	Prashob S	Surveyor
14	Binson P C	Site Engineer
15	Ashik P DAS	Site Engineer
16	Jagadeesh	Safety Officer
17	Santhosh kumar	Cashier
18	Thatchana Moorthi	Supervisor
19	Binson	Supervisor
20	Hari prasad	Supervisor
21	Akhil krishnan	Supervisor
22	Vishnu satheesh	Mechanical Incharge
23	Anu PV kumar	Mechanical enginner
24	Sudeesh	Mechanical Supervisor
25	Rajesh	Plant manager
26	venu	plant in charge
27	Hareesh	RMC plant charge
28	Shan sudevan	store
29	Agin s dev	store
30	Aji lal	store
31	saji kumar	store
32	Sree kumar	store

Table 21 RKI 14 Machinery Mobilization

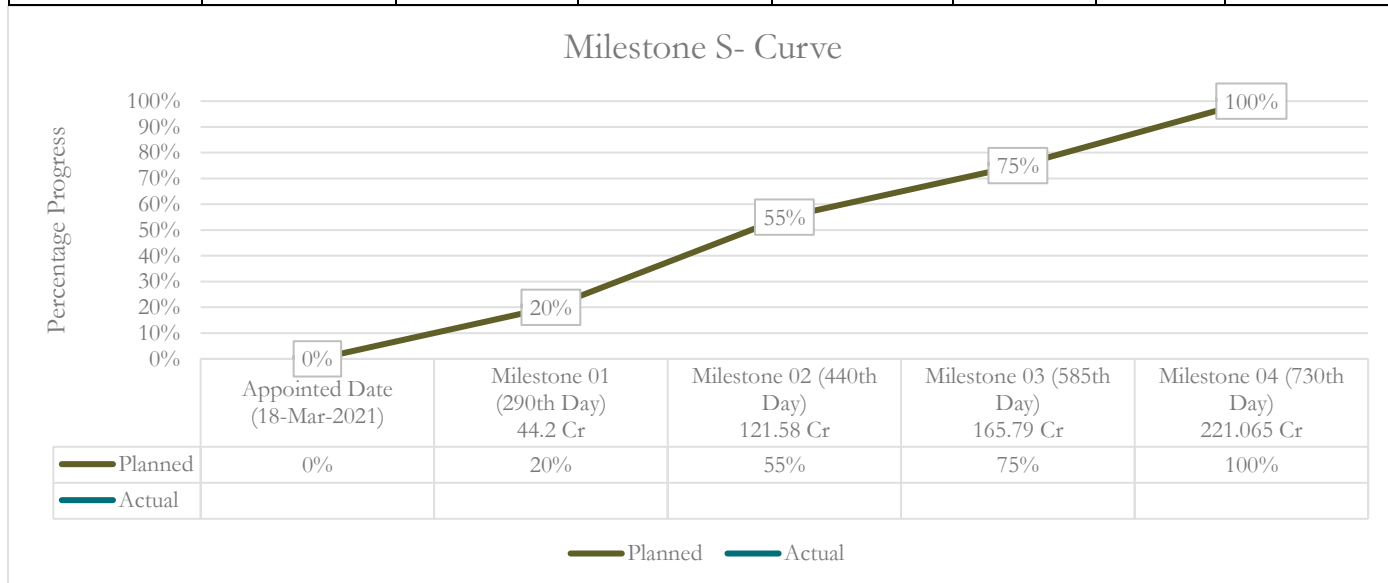
S. No.	Equipment Type	Nos
1	Batching Plant	1
3	Hydraulic Excavator	8
4	Hydra	2
5	Soil Compactor	4
6	Tipper	41
7	Transit Mixer 8 Cum	5
8	JCB	9
9	Water Tanker 6KL	1
10	Grader -124	1

Status as on 31st July'2021:

- ❖ Survey works and mix designs are in progress.
- ❖ Contractor re-submitted Plan and profile duly incorporating the comments from AE from Km 4+000 to 15+000. The same are being reviewed by AE.
- ❖ Structure Designs are submitted for Culvert Size 2.0x1.5 and 3.0x1.5. AE reviewed the same and approved the designs with observations
- ❖ EPC Contractor requested for revised Appointed Date due to non-availability of PROW and same was addressed to Project Director by AE with recommendations.
- ❖ The contractor has been submitted the request for mob-2 without proper documents for utilization of 1st mobilization adv. The contractor has been directed to submit the supporting documents for the claim.

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%	-	02-Jan-2022	-	-	
Milestone II	440	55%	-	01-June-2022	-		
Milestone III	585	75%	-	24-Oct-2022	-		
Milestone IV	730	100%	-	18-Mar-2023	-		



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 22 Status of Other Permits RKI 14

S. No	Types of clearance	Applicability	Status	Remarks
1.	Tree felling permission	For road side tree cutting	Under Process	
2.	Consent for establish	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
3.	Consent for operate	Hot mix plant, Batching plant, wet mixmacadam	Under Process	
4.	Explosive license from chiefcontroller of explosives	Procuring from Third Party Material	NA	
5.	Quarry lease deed and quarry mining from state Department of mines and geology	We intend to procure aggregate from authorized/approved suppliers and accordingly we will not be extracting anyboulders from quarry	NA	
6.	Permission of Village Panchayats and Pollution Control Board for installation of crushers	We intend to procure aggregate from authorized/approved suppliers and accordingly we will not be extracting any boulders from quarry	NA	
7.	Permission for extraction of ground water for use in road construction activities from state ground water board/centralground Water authority	Extraction of groundwater	Under Process	
8.	Permission for use of water for construction purposes from irrigation department	Use of surface water for construction	NA	
9.	Labour license from Labour commissioner office	Engagement of labour	Under Process	
10.	Stockyard	Stocking materials for the project	Under Process	
11.	Borrow areas	Stocking of soil along the stretch	Under Process	

Minutes of Introductory Meeting Chaired by PMC-KSTP at Kannur:

Minutes of the Introductory meeting of RKI-14 held on 6th July 2021 chaired by the Team Leader, PMC-KSTP at Kannur

Project : RKI-14 – QUILANDY – ERANHIMAVU
Contractor : M/s SREEDHANYA CONSTRUCTION COMPANY
Authority Engineer : M/s. MSV-JSV JV
Project Management Consultant : LOUIS BERGER INTERNATIONAL

PRESENT :


#	NAME	DESIGNATION	ORGANISATION
1	Mr. Mohan Krishnan Poduval	Team Leader	LBI, PMC
2	Ms. Shalini Thomas	Sr. Cost Surveyor	LBI, PMC
3.	Mr. Dilkush Haridas	Community Liaison Officer	LBI, PMC
4	Mr. R. Jethindra Gowd	Team Leader	MSV - JSV JV – AE2
5	Mr. P.K. Joy	Resident Engineer	MSV - JSV JV – AE-2
6	Mr. C.H. Sarath Babu	Project Co-ordinator	MSV - JSV JV – AE-2
7	Mr. Bhavesh Vyas	Labour & Social Specialist	MSV - JSV JV – AE-2
8	Mr. Arun Ashok	QS cum Planning Engineer	M/s. Sreedhanya
9	Mr. Jain K.M	Electrical Supervisor	M/s. Sreedhanya

The meeting commenced at 02.00 pm with a word of welcome by the chair followed by the introduction of all present.

The contractor's representative was asked to take advice from the management and commit dates on which the mandatory documents would be submitted. The contractor has been advised to submit the documents on the committed dates in the annexure positively.

The appointed date of the project has been declared as 18th March 2021. The preliminary mobilization works are in progress.

The meeting concluded at 3.00pm with a vote of thanks from the chair.


Mohan Krishnan Poduval
Team Leader - PMC



INTRODUCTORY MEETING - PACKAGE - I PROJECTS

DATE : 6th July 2021

RKI - 14 - Quilandy - Eranhimavu Contractor : M/s Sreedhanya.

CHECKLIST OF IMPORTANT PRE-CONSTRUCTION SUBMISSIONS & APPROVALS

#	DOCUMENT	STATUS	COPY	REMARKS
1	Signed Memorandum of Inventory	Yes	No	Soft copy
2	Confirmation of Appointed Date	Yes	No	The contractor shall send by e-mail
3	Manpower deployment including List of available Key Personnel (as per Contract)	List incomplete	No	Contractor should submit all CVs with relevant certificates of all personnel as listed in the contract as minimum requirement. Committed to submit by 7th July 2021
4	Approved Programme	Not submitted		Shall be submitted by 20th July 2021
5	Approved ESMP	Not submitted		Shall be submitted by 20th July 2021
6	Approved Quality Assurance Plan	Not submitted		Shall be submitted by 20th July 2021
7a	Layout of HM Plant Area	Not submitted		Location identified. Plan will be submitted by 20th July 2021
b	Batching Plant Area	Not submitted		Location identified. Plan will be submitted by 15th July 2022
c	Laboratory	Not submitted		Location identified. Plan will be submitted by 15th July 2023
d	Material Yard	Not submitted		Location identified. Plan will be submitted by 15th July 2024
e	Borrow area	Not submitted		Location identified. Plan will be submitted by 15th July 2025
f	Any other			
8	Copy of Insurances	Not submitted		Shall be submitted by 30th July 2021
9	Video recording of the Site – Pre-construction Stage.	Not submitted		Shall be submitted by 15th July 2021
10	Advance payment application with receipt dates	Not submitted		1st Instalment received on 31.03.21
11	List of Drawings with submission and approval dates	Not submitted		Shall be submitted by 19th July 2021
12	Bifurcation of Sch. 'H'.	Not submitted		Shall be submitted by 20th July 2021

bb



5) RKI-15: Upgrading Vythiri - Tharuvana Road

Name of the contractor	Total Length in Kms	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Completion Date
M/s Midland Engineering and Contracting Company	13.335	16	63.9	07-June-2021	30-Sep-2022

Key Map



The project starts at Achooranam (Ch: 8+500) and ends at Padinjathara (Tharuvana Road) (Ch: 21+835) for a length of 13.335km in Wayanad District. The project stretch is predominantly Intermediate Lane / Two Lane road. The condition and the riding quality of the road is fair to Poor. The terrain is plain to rolling Ribbon development observed all along the stretch. Land use is agricultural. Out of 13.335km length, 2.00Km is built up Location. The traffic predominantly consists of Trucks, Buses, cars but local movements of 2 wheelers and auto were observed. Hence traffic diversion during construction is the key factor.

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

Status of Manpower & Machinery Mobilization:

- ❖ The details of contractor key personal and machinery details are not submitted by Contractor. Same shall be incorporate in the next Monthly Progress Report. EPC Contractor is requested to submit the details of Key Personnel’s Qualifications & Experience as per Contract.

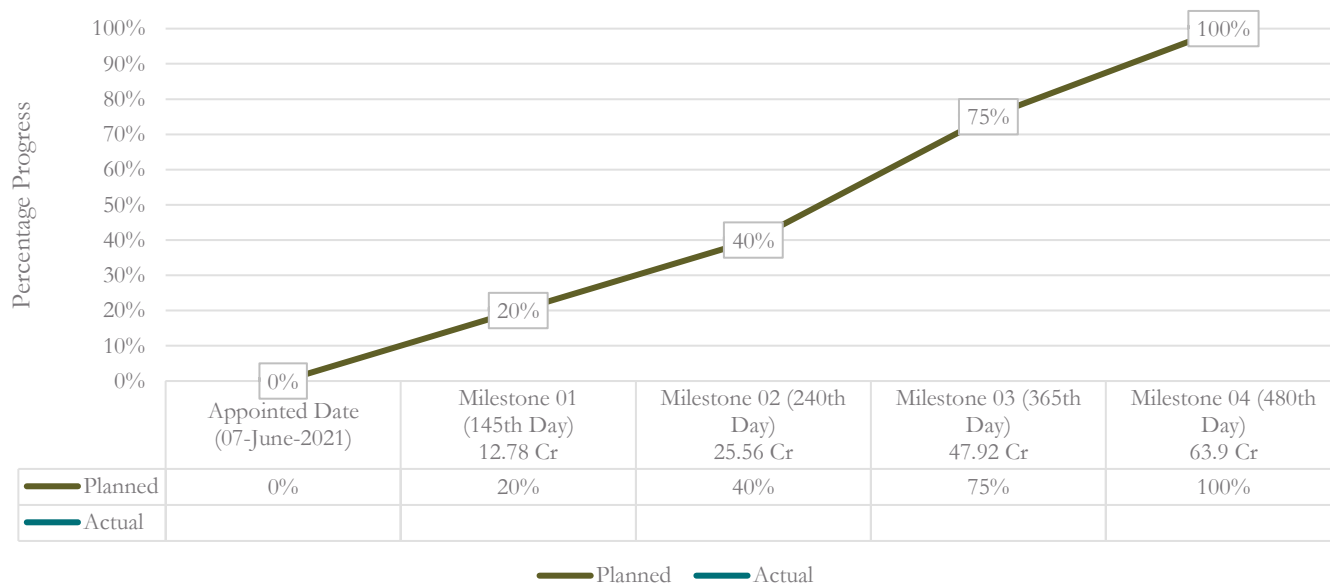
Status as on 31st July’2021

- ❖ Joint inspection for verification of memorandum containing an inventory as per clause 8.2.1 Completed.
- ❖ Contract has submitted Plan & Profile from Km 8+500 to Km 21+760 and same under review. AE has asked additional information/reports like design basis etc for review of these Plan & Profile. Compliance still pending.

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%	-	30-Oct-2021	-	-	
Milestone II	240	40%	-	02-Feb-2022	-		
Milestone III	365	75%	-	07-June-2022	-		
Milestone IV	480	100%	-	30-Sep-2022	-		

Milestone S- Curve



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 23 Status of Other Permits RKI 15

S. 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	Under Process	
3.	Consent for operate	Hot mix plant, Batching plant, wet mix macadam	Under Process	
4.	Explosive license from chief controller of explosives	Procuring from Third Party Material	NA	
5.	Quarry lease deed and quarry mining from state Department of mines and geology	We intend to procure aggregate from authorized/approved suppliers and accordingly we will not be extracting any boulders from quarry	NA	
6.	Permission of Village Panchayats and Pollution Control Board for installation of crushers	We intend to procure aggregate from authorized/approved suppliers and accordingly we will not be extracting any boulders from quarry	NA	
7.	Permission for extraction of ground water for use in road construction activities from state ground water board/central ground Water authority	Extraction of groundwater	Under Process	
8.	Permission for use of water for construction purposes from irrigation department	Use of surface water for construction	NA	
9.	Labour license from Labour commissioner office	Engagement of labour	Under Process	
10.	Stockyard	Stocking materials for the project	Under Process	
11.	Borrow areas	Stocking of soil along the stretch	Under Process	

Minutes of Introductory Meeting Chaired by PMC-KSTP at Kannur:

Minutes of the Introductory meeting of RKI-15 held on 8th July 2021 chaired by the Team Leader, PMC-KSTP at Kannur

Project : RKI - 15 - Vythiri - Tharuvana

Contractor : M/s Midland - Rayee Gowda JV

Authority Engineer : M/s. MSV-JSV JV

Project Management Consultant : LOUIS BERGER INTERNATIONAL

PRESENT :

#	NAME	DESIGNATION	ORGANISATION
1	Mr. Mohan Krishnan Poduval	Team Leader	LBI, PMC
2	Ms. Shalini Thomas	Sr. Cost Surveyor	LBI, PMC
3	Mr. Dilkush Haridas	Community Liaison Officer	LBI, PMC
4	Mr. R. Jethindra Gowd	Team Leader	MSV - JSV JV – AE2
5	Mr. P.K. Joy	Resident Engineer	MSV - JSV JV – AE-2
6	Mr. C.H. Sarath Babu	Project Co-ordinator	MSV - JSV JV – AE-2
7	Mr. Bhavesh Vyas	Labour & Social Specialist	MSV - JSV JV – AE-2
8	Mr. Mohammed Salim	Project Manager	M/s. Midland – RG JV
9	Mr. C.A George	Lab Tech	M/s. Midland – RG JV
10	Mr. Siddique	Partner	M/s. Midland – RG JV
11	Ms. Krishna Kanakan	QA/QC Engineer	M/s. Midland – RG JV
12	Ms. Thejna Satheesh	Planning Engineer	M/s. Midland – RG JV

The meeting commenced at 10.15am with a word of welcome by the chair followed by the introduction of all present.

The appointed date of the project has been declared as 07th June 2021. The preliminary mobilization works are in progress. The contractor stated that location of the Batching Plant, HM Plant, Laboratory etc., have been identified. The contractor has been advised to prepare the layout of the same and submit to the AE for approval subject to mandatory clearance of the Pollution Control Board.

The status of the documents which are required to be submitted mandatorily has been discussed in detail and annexed. Many documents have been handed over at the meeting including the site video recorded. The contractor has been advised to submit the balance documents on the committed dates positively.

The Community liaison officer of PMC mentioned that special attention is required on access to private, cultural and religious properties at the time of construction. Advance intimation to be





provided if any chance of temporary blocking of access and alternate arrangements to be made in consultation with concerned party.

Sociologist of contractor needs to maintain good relationship with public representatives etc., to have a smooth completion of works at site. Labour/ social specialist of Authority Engineer needs to coordinate with the Sociologist of contractor.

The importance of submitting the Bifurcation of Sch-H for better cash flow has been explained by the Sr. Cost Surveyor of the PMC. The Contractor shall submit the same by the end of the month.

The meeting concluded at 11.30 pm with a vote of thanks from the chair.


Mohan Krishna Poduval
Team Leader - PMC



INTRODUCTORY MEETING - PACKAGE - I PROJECTS

DATE : 08.07.2021

RKI - 15 - Vythiri - Tharuvana

Contractor : M/s Midland - Rayee Gowda JV

CHECKLIST OF IMPORTANT PRE-CONSTRUCTION SUBMISSIONS & APPROVALS

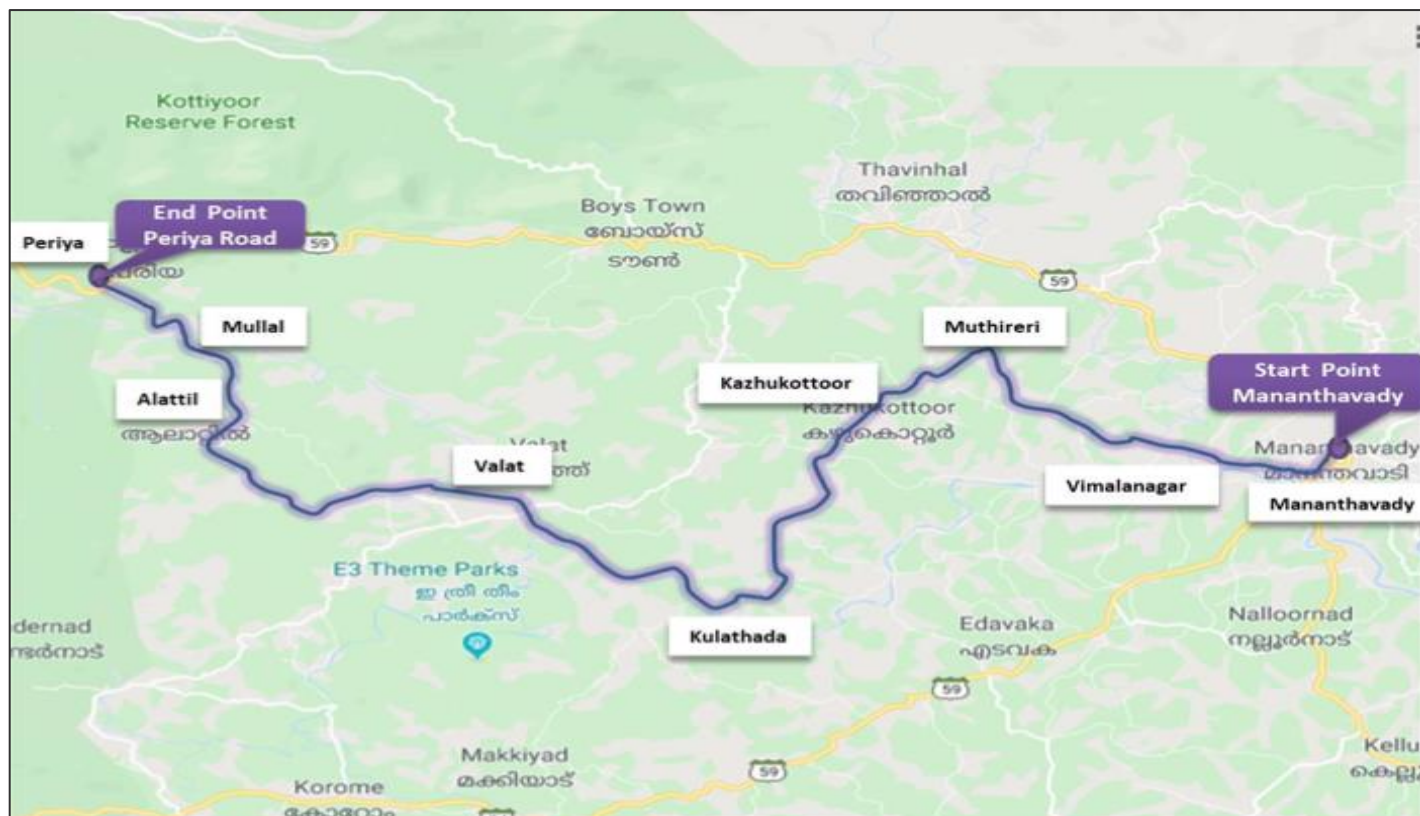
#	DOCUMENT	STATUS	COPY	REMARKS
1	Signed Memorandum of Inventory	Submitted	Yes	
2	Confirmation of Appointed Date	confirmed as 07.06.2021	Yes	KSTP/PMT/84/20-21/AE-2 dtd 22.06.2021
3	Manpower deployment including List of available Key Personnel (as per Contract)	Incomplete		Contractor should submit all Cvs with relevant certificates of all personnel as listed in the contract as minimum requirement
4	Approved Programme	Not submitted		Programme with cash flow and S-curve shall be submitted by July end 2021
5	Approved ESMP	Not submitted		ESMP with all site specific plan shall be submitted by 30th July 2021
6	Approved Quality Assurance Plan	Not submitted		Shall be submitted by 17th July 2021
7a	Layout of HM Plant Area	Not submitted		Location identified. Plan will be submitted by 17th July 2021
b	Batching Plant Area	Not submitted		Location identified. Plan will be submitted by 17th July 2021
c	Laboratory	Not submitted		Location identified. Plan will be submitted by 17th July 2021
d	Material Yard	Not submitted		Location identified. Plan will be submitted by 17th July 2021
e	Borrow area	Not submitted		Location identified. Plan will be submitted by 17th July 2021
f	Any other			
8	Copy of Insurances	Not submitted		Insurances obtained. Shall be submitted by 17th July 2021.
9	Video recording of the Site – Pre-construction Stage.	Recorded	Yes	Recorded on 05th July 2021
10	Advance payment application with receipt dates	Not yet		Processing Bank Guarantee
11	List of Drawings with submission and approval dates	Plan & profile for entire stretch submitted		Incomplete submission. Re-submission required shall by July end
12	Bifurcation of Sch. 'H'.	Not submitted		Programme with cash flow and S-curve shall be submitted by July end 2021



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)

Name of the contractor	Total Length in Kms	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date		Completion Date	
				Original	Revised	Original	Revised
M/S ULCCS	27.30	18	102.83	29-Dec-2020	01-Mar-2021	30-Jun-2022	31-Aug-2022

Key Map



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

Salient features:

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

Status of Manpower & Machinery Mobilization:

- ❖ EPC Contractor is requested to submit the details of Key Personnel's Qualifications & Experience as per Contract.

Table 24 RKI 10 Key Personnel Mobilization

S. No	Name	Designation	Nos	Remarks
1	Paramen O	Project Manager	1	
2	C.T.R Sasidharan	Senior Material Engineer	1	
3	Mohammed ShameemP	Project Engineer	1	
4	Rijin Raj K K	Site Engineer	1	
5	Abin Mathew	Site Engineer	1	
6	Arockia Amala Doss S	Senior Highway Engineer	1	
7	Vaisakh S Nair	Site Engineer Grade II - Planning	1	
8	Arshin Kumar T P	Utility Engineer	1	
9	Akhil Ahmed	Structure Design Engineer	1	
10	Roshan Robert	Highway Design Engineer	1	
11	Hemanth Joy	Highway Design Engineer	1	
12	Jithin Lal	Junior Engineer	1	
13	Keerthi E	QC Engineer	1	
14	Vineetha K K	Junior QC Engineer	1	
15	Aswanth A	Site Clerk	1	
16	Bimeesh V V	Safety Supervisor	1	
17	Jishith Lal N K	Document Controller	1	
18	Jibin	Surveyor	1	
19	Firoz K	Senior Lab Technician	1	
20	Vyshnav	Lab Technician	1	
21	Shalbin	Lab Technician	1	
22	Sabin Nath P A	Site Engineer Grade II - Mechanical	1	
23	Sanal Kumar K P	Plant Operator- RMC	1	
24	Sachin Gireesh	Plant Operator - WMM	1	
25	Jiju S	RMC Plant Mechanic	1	
26	Sonu	Welder	1	
27	Mahesh	Driver - LMV	1	
28	Reebin O P	Driver - Auto	1	
Total			28	No's

Table 25 RKI 10 Machinery Mobilization

Sl No	Type of Machinery	Unit	Own/Hire		Mobilize d to site till date	Model	Capacity	Remarks
			O w n	Hire				
1	Batching Plant	No	1		1	Schwing stetter -CP 18	18 m3/hr	Not Functional
2	WMM Plant	No	1		1	Amman Apollo	200 TPH	Not Functional (Erection in progress)
3	Hydra Crane	No		1	1	ACE-14xw	14 MT	
4	Back Hoe Loader	No		1	1	JCB	1m3	
5	Concrete Mixer Machine	No	1		1		1m3	
6	LMV - Isuzu	No		1	1	Isuzu		
7	LMV - Jeep	No		1	1	Mahindra		
8	Auto	No	1		1	Ape		

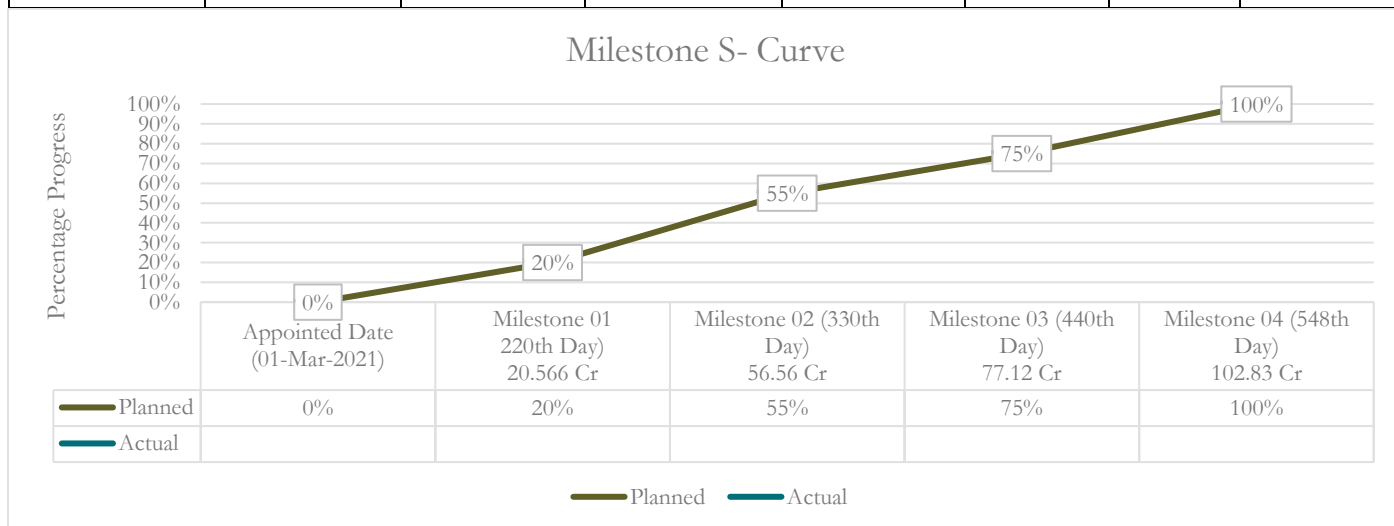
9	Tipper	No	1		1	Eicher	150 Cft	
10	Genset	No	1		1	Powerica	82.5 Kva	
11	Genset	No	1		1	Powerica	35 kva	
12	Needle vibrator (Diesel)	No	1		1			
13	Needle vibrator (Electric)	No	1		1			
14	Welding Set	No	1		1			

Status as on 31st July'2021:

- ❖ Appointed date is revised to 01.03.2021 with conditions which contractor is yet to comply with.
- ❖ Survey works and mix designs are in progress.
- ❖ Plan and profile approved upto Km 8.00. From Km 8 to Km15 plan & Profile submitted and same has been reviewed, necessary observations sent to contractor for compliance and agreed for necessary incorporation.
- ❖ Structure drawings reviewed and comments sent to Contractor for compliance and same also discussed during site visit by our Structure Design Engineer.
- ❖ Verification of ROW is pending.

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%	-	07-Oct-21	-	-	
Milestone II	330	55%	-	25-Jan-22	-		
Milestone III	440	75%	-	15-May-22	-		
Milestone IV	548	100%	-	31-Aug-22	-		



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 26 Status of Other Permits RKI 10

S. 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	Under Process	
3.	Consent for operate	Hot mix plant, Batching plant, wet mix macadam	Under Process	
4.	Explosive license from chief controller of explosives	Procuring from Third Party Material	NA	
5.	Quarry lease deed and quarry mining from state Department of mines and geology	We intend to procure aggregate from authorized/approved suppliers and accordingly we will not be extracting any boulders from quarry	NA	
6.	Permission of Village Panchayats and Pollution Control Board for installation of crushers	We intend to procure aggregate from authorized/approved suppliers and accordingly we will not be extracting any boulders from quarry	NA	
7.	Permission for extraction of ground water for use in road construction activities from state ground water board/central ground Water authority	Extraction of groundwater	Completed	
8.	Permission for use of water for construction purposes from irrigation department	Use of surface water for construction	NA	
9.	Labour license from Labour commissioner office	Engagement of labour	Under Process	
10.	Stockyard	Stocking materials for the project	Under Process	
11.	Borrow areas	Stocking of soil along the stretch	Under Process	

Bank Guarantee:

Bank Guarantee details are presented below

Table 27 Bank Guarantee RKI 10

S. No	Description	Bank Guarantee No.	Value of Bank Guarantee (CR)	Valid		Remarks
				From	To	
1	Bank guarantee Against Performance Security	BG/27/2020-21	8.2264480	23/10/2020	25/04/2028	Kerala State Co-operative Bank
2	Bank guarantee Against Environmental, Social, Health and Safety (ESHS)	BG/28/2020-21	2.0566120	23/10/2020	25/04/2028	Kerala State Co-operative Bank

Minutes of Introductory Meeting Chaired by PMC-KSTP at Kannur

Minutes of the Introductory meeting of RKI-10 held on 8th July 2021 chaired by the Team Leader, PMC-KSTP at Kannur

Project : RKI - 10 – MANANTHAVADY - PERIYA

Contractor : M/s ULCCS LTD

Authority Engineer : M/s. MSV-JSV JV

Project Management Consultant : LOUIS BERGER INTERNATIONAL

PRESENT :

#	NAME	DESIGNATION	ORGANISATION
1	Mr. Mohan Krishnan Poduval	Team Leader	LBI, PMC
2	Ms. Shalini Thomas	Sr. Cost Surveyor	LBI, PMC
3	Mr. Dilkush Haridas	Community Liaison Officer	LBI, PMC
4	Mr. R. Jethindra Gowd	Team Leader	MSV - JSV JV – AE2
5	Mr. P.K. Joy	Resident Engineer	MSV - JSV JV – AE-2
6	Mr. C.H. Sarath Babu	Project Co-ordinator	MSV - JSV JV – AE-2
7	Mr. Bhavesh Vyas	Labour & Social Specialist	MSV - JSV JV – AE-2
8	Mr. Shainu P	GM - Projects	M/s. ULCCS LTD.
9	Mr. Rohan Prabhakar	CGM -Projects	M/s. ULCCS LTD
10	Mr. Arun Baboo	Design Director	M/s. ULCCS LTD
11	Mr. Paraman	Project manager	M/s. ULCCS LTD
12	Mr. Vaishakh S Nair	Planning Engineer	M/s. ULCCS LTD

The meeting commenced at 1.45pm with a word of welcome by the chair followed by the introduction of all present.

The appointed date of the project has been declared as 29th Dec 2020. The Contractor has requested for a revised appointed date to 01st March 2021 which is being processed by KSTP.

The preliminary mobilization works are in progress. The contractor stated that location of the Batching Plant, HM Plant, Laboratory etc., have been identified and the layouts have been prepared. The contractor has been advised to submit the layouts to the AE for approval subject to mandatory clearance of the Pollution Control Board. Tree cutting auction / arrangements are being taken up by KSTP.

The status of the documents which are required to be submitted mandatorily has been discussed in detail and annexed. Many documents have been handed over at the meeting including the site video recorded. The contractor has been advised to submit the balance documents on the committed dates positively.

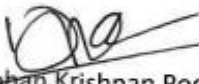
The Community liaison officer of PMC mentioned that special attention is required on access to private, cultural and religious properties at the time of construction. Advance intimation to be provided if any chance of temporary blocking of access and alternate arrangements to be made in consultation with concerned party.

Sociologist of contractor needs to maintain good relationship with public representatives etc., to have a smooth completion of works at site. Labour/ social specialist of Authority Engineer needs to coordinate with the Sociologist of contractor.

The Contractor stated that the requirement of the retaining structures is different than that as proposed in Sch 'B'. It has been advised to design the retaining structures keeping in view the provision in the Contract by swapping the locations for different types of retaining structures, thereby avoiding any Change of Scope with financial implications in this regard.

The Authority Engineer commented that the drawings and approvals are being done on a regular basis and the contractor may commence work on site.

The meeting concluded at 3.30 pm with a vote of thanks from the chair.


Mohan Krishnan Poduval
Team Leader - PMC



INTRODUCTORY MEETING - PACKAGE - I PROJECTS

DATE : 08.07.2021

RKI - 10 - Mananthavady - Periya

Contractor : M/s ULCCS Ltd.

CHECKLIST OF IMPORTANT PRE-CONSTRUCTION SUBMISSIONS & APPROVALS

#	DOCUMENT	STATUS	COPY	REMARKS
1	Signed Memorandum of Inventory	Submitted	Yes	
2	Confirmation of Appointed Date	proposed to be revised to 01.03.2021	Yes	Confirmed as 29.12.2020 vide KSTP/200/2020/AE-6 dtd 10.01.2021. Confirmation from KSTP awaited for Revised date
3	Manpower deployment including List of available Key Personnel (as per Contract)	submitted		Contractor should submit all Cvs with relevant certificates of all personnel as listed in the contract as minimum requirement by 15 July 2021
4	Approved Programme	submitted	Yes	Submitted wrt to original appointed date. Revised Programme with new appointed date will be submitted by 12th July 2021
5	Approved ESMP	submitted		Under review by AE-2
6	Approved Quality Assurance Plan	submitted		Under review by AE-2
7a	Layout of HM Plant Area	submitted		Under review by AE-2
b	Batching Plant Area	submitted		Under review by AE-2
c	Laboratory	submitted		Under review by AE-2
d	Material Yard	submitted		Under review by AE-2
e	Borrow area	submitted		Under review by AE-2
f	Any other			
8	Copy of Insurances	submitted	Yes	Submitted on 5th July 2021
9	Video recording of the Site – Pre-construction Stage.	submitted	Yes	Video recorded in April 2021
10	Advance payment application with receipt dates	1st Instalment	Yes	1st instalment of 2% paid on 31st March 2021., Applied on 10th March 2021.
11	List of Drawings with submission and approval dates			P&P 0-8km approved, 8-15 provisional approval granted. Structure drawings 0-8km provisional approval granted. 8-15km to be submitted
12	Bifurcation of Sch. 'H'.	Not yet		Will be submitted by 31st July 2021

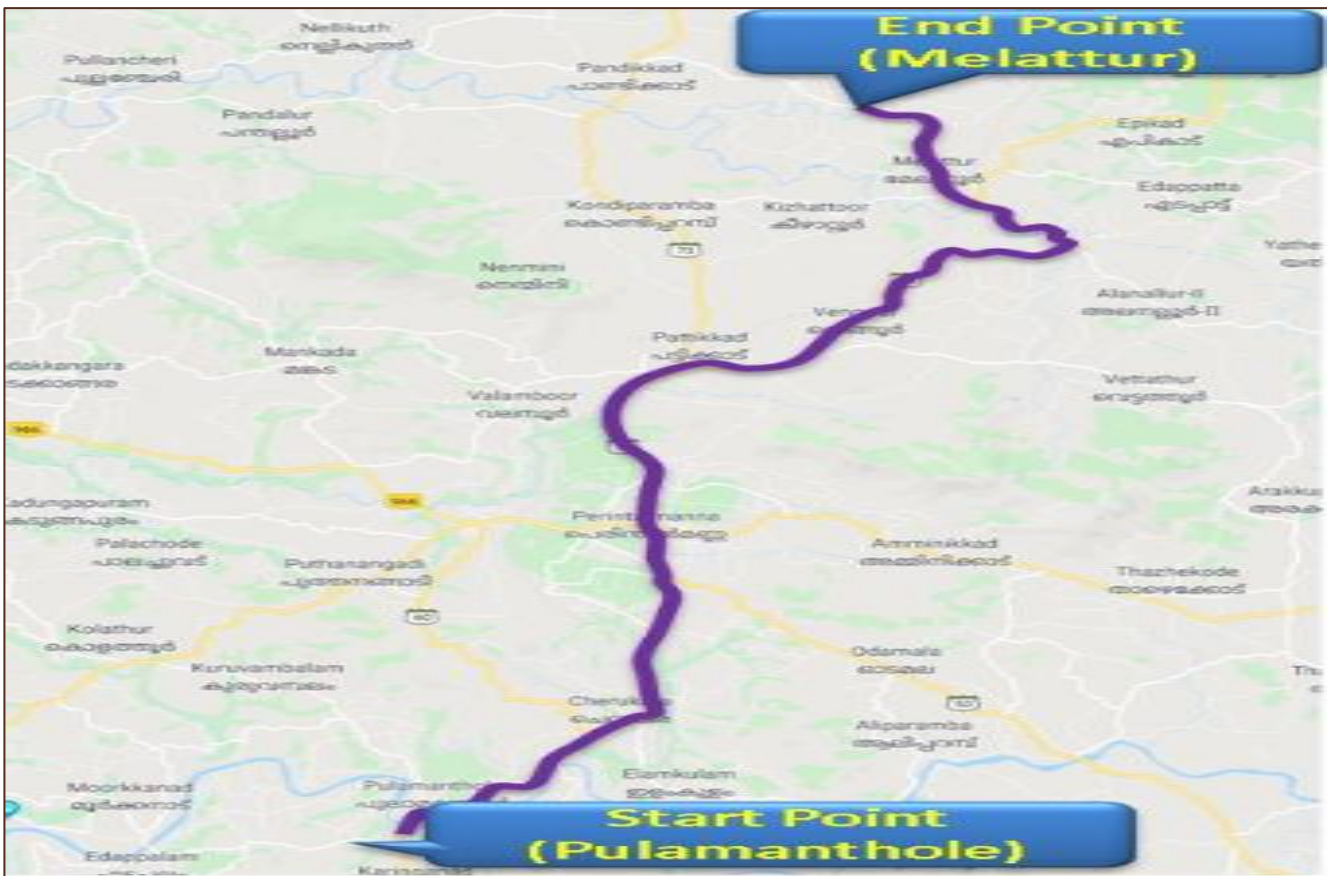



North Package 02 :

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

Name of the contractor	Total Length of the Road	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Completion Date	Progress till July'21
M/S KMC Constructions	30.88	18	144	20-Jan-2021	22-Jul-2022	14.77%

Key Map



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

Status as on 31st July'2021:

Status of Manpower & Machinery Mobilization:

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

Table 28 RKI 05: Key Personnel Mobilization Status

S.No	Key Postion	Req Nos as per Contract	Name of the Key Expert Mobilized	Mobilized at Site	
				Available Nos at Site	Date of Mobilization
1	G Karthik	-	Project Coordinator	1	20.09.2020
2	Project Manager Cum Planning Engineer	1	Arun VP	1	20.01.2020
3	Deputy Residential Engineer	1	Saravanan.R	1	25.12.2020
4	Highway Engineer	1	MuthuKumar.G	1	12.04.2021
5	Structural Engineer	1	Haridos Giri.K	1	15.04.2021
6	Materials Engineer	1	RajaGopal.V	1	10.03.2021
7	Quantity Surveyor	1	Unnikrishnan	1	10.04.2021
8	Plant/Equipment Manager	1	Bala	1	20.02.2021
9	Utility Engineer (Electrical)	1	Melvin	1	28.02.2021
10	Utility Engineer (Civil)	1	Obulesu.R	1	12.02.2021
11	Surveyor 01	1	JudithCarmal	1	28.02.2021
	Surveyor 02	1	Sankar	1	
12	Site Supervisor 01	1	Sriram	1	28.02.2021
	Site Supervisor 02	1	Barani	1	
	Site Supervisor 03	-	Rajesh	1	
	Site Supervisor 04	-	Antony	1	
	Site Supervisor 05	-	Ram	1	
	Site Supervisor 06	-	Kannan	1	
13	Laboratory Technician	1	Kasi Anand	4	28.02.2021
			Sankar		03.04.2021
			RaghuRam		04.04.2021
			Chandramohan		28.04.2021
14	Design Director	1	Vasanth	1	20.01.2020
15	Environmental Specialist	1	Rajkumar.M	1	08.04.2021
16	Health and Safety Engineer	1	Prasanth M.C	4	04.04.2021
			Monnu		18.02.2021
			Mithun		28.03.2021
17	Sociologist	1	RaghuRamaiah	1	15.01.2021
18	Road Safety Consultant	1	Prabhakar	1	20.01.2020

Table 29 RKI 05 Machinery Mobilization

Sl. No.	Equipment Name	Req Nos as per Contract	Available at Site	Remarks
1	Dozer 175hp	1	2	
2	Excavator	2	4	
3	Hydraulic Excavator with Rock breaker	1	2	
4	Excavator (JCB)	-	5	
5	Front end loader	2	2	
6	Motor Grader	2	3	
7	Smooth Wheel Roller 8-10MT	1	3	
8	Vibratory Roller 8-10MT	2		
9	Tandem Vibratory Roller 6-10MT	1		
10	Tandem Vibratory Roller for compaction of Edges 8-10MT	1		
11	Pneumatic Tyred roller	1	-	
12	Paver	2	-	
13	Bitumen Sprayer (1750Sqm/hr)	1	-	
14	Water Tanker 6000Ltrs	2	3	
15	Dump Truck 8-10MT	12	15	
16	WMM Mixing Plant 100T/hr	1	1	
17	Hot mix plant 100T/hr	1	1	
18	Concrete Mixer	1	-	
19	Concrete Batching and mixing plant	1	1	
20	Total Station	1	1	
21	Auto Level	1	6	

Physical Progress:

Table 30 RKI 05 Physical Progress

Sl. No.	Description	Status	Remarks
1	Chainage and Center line marking of Existing Road	Completed	
2	Road inventory:	Completed	
3	Clearing and Grubbing	Completed	
4	Utility Shifting estimate–Water Authority	Under Process	
5	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 process	
10	MOI	Completed	
11	Geotechnical investigations – Soil Samples were collected from SH and MDR for CBR value, OMC, SG.	completed	
11.1	CBR sample collection and crust details at every 2 km	Completed	
11.2	FWD testing in SH	Completed	
11.3	Crest detail identification in SH	Completed	
11.4	Soil investigation at Road completed at	Completed	
11.5	Soil Investigation for Structures Minor Bridge.	Completed	
12	Videography of existing road with narration	Completed	
13	Topographic survey	Completed	
14	Traffic surveys	Completed	
15	Mobilization for Base Camp	Completed	
16	Site office for the project.	Completed	
17	Approvals (Drawings)		
17.1	Design & Drawings of RCC Drain	Approved	
17.2	Typical Cross Section of Road	Approved	
18	Widening and strengthening		
1	Earthwork (Cut & Fill) upto top of the subgrade	18600 m	single
2	Granular Works (Sub Base, Base, Shoulders)	18400 m	single
19	Reconstruction of Culverts		
1	Culverts	3 Nos	single
	Other Works		
iii	Road side Drains	9890 m	single

Current Status of Plan & Profile and Culvert design Approval

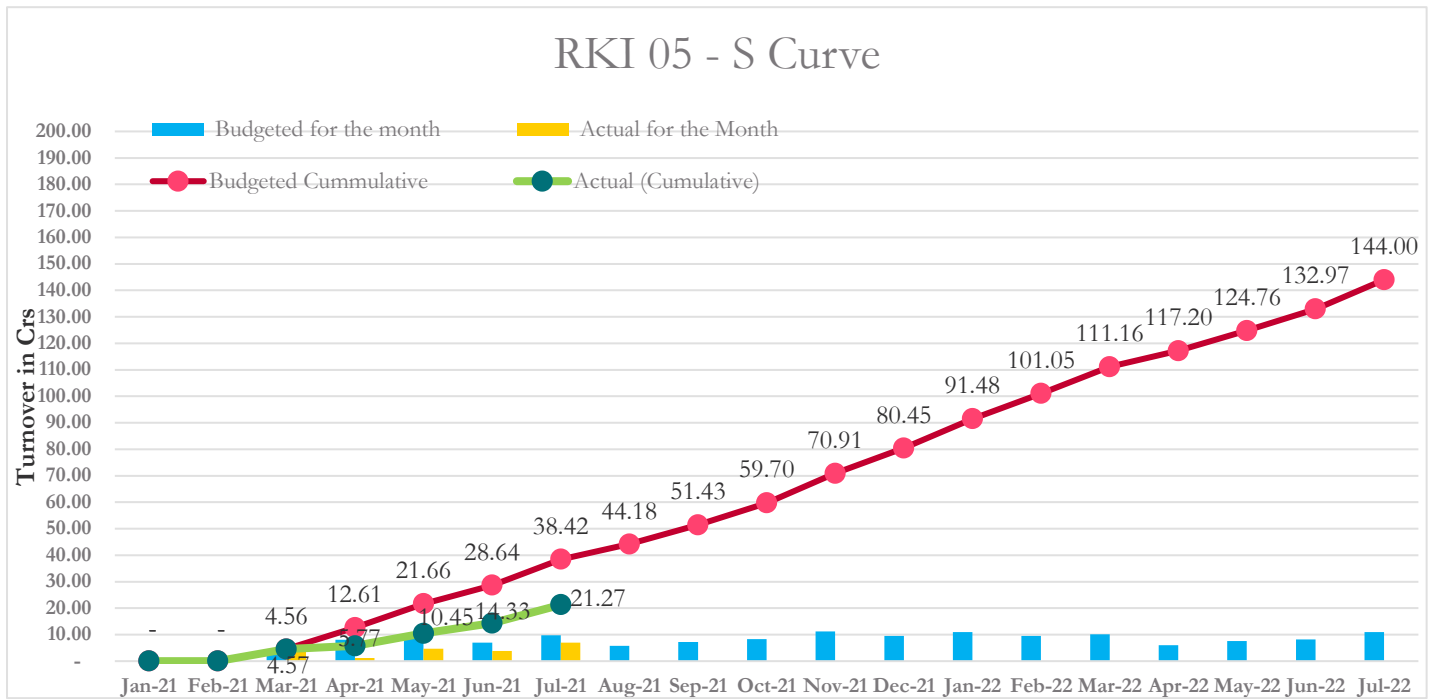
Chainage	Description	Remarks
39+000 to 48+000	Plan & Profile	Approved
48+000 to 62+480	Plan & Profile	48+000 to 50+000, 50+000 to 51+000, 52+000 to 62+240 approved with comments
30+700 to 39+000	Plan & Profile	With Contractor

S.No	Description	Total Numbers	Status		
			Approved	Approved with Comments	With Contractor
1	Box Culvert all sizes	17	17		
2	Pipe Culvert 1.2 m dia	6		6	
3	Widening Culvert all sizes	9	9		
	Total	32	26	6	

Milestone Schedule:

Project Milestone	Description (Days from Appointed Date)	Financial Progress		Milestone Date		EOT (If any)	Remarks
		Planned Financial Progress %age	Actual Financial Progress	Scheduled Date	Actual Date		
Milestone I	220	20%	15.06%	28-Aug-21	-	-	
Milestone II	330	55%	-	16-Dec-21	-		
Milestone III	440	75%	-	05-Apr-22	-		
Milestone IV	548	100%	-	22-Jul-22	-		

Financial Achievement based on Stage Payment Certified – Rs. 21.68 Cr. (15.06%)



Change of Scope :

SL no	Details	Status	Reference letters
1.	shifting of drain to the end of Row/20m max as change of scope	With Contractor for detailed report	KMC/KSTP/PKG5/2020-21/142 & EI/KSTP2/RKI-5/GEN/674/2021

Source Approval:

The source approval details of RKI 05 is presented below

Table 31 Source Approval RKI 05

SL No	Raw Material	Source	Approval Date	Remarks
1	Cement	Ramco	03.03.2021	
		Penna	03.03.2021	
		Chettinad	25.03.2021	
2	Steel	Tulsyan TMT bars	08.03.2021	
		Kamachi industries	26.02.2021	
3	Admixture	Sikament,CAC	20.02.2021 08.03.2021	
4	Aggregate	Nalakath granites		Test Under Progress in third Party lab

5	NP4 class HumePipe	Perimer spun pipe	03.03.2021	
		Tamilnadu spun pipe	27.05.2021	
6	Bitumen	MRPL	25.05.2021	
7	SS1 & RS1	Hincol	14.07.2021	

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 32 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 mixmacadam, Stone crushers	Completed	
3.	Consent for operate	Hot mix plant, Batching plant, wet mix macadam, stone crushers	Completed	
4.	Explosive license from chief controller of explosives	For storing fuel oil, lubricants, diesel etc.,	Completed	
5.	Quarry lease deed and quarry mining from state Department of mines and geology	Quarry operation (fornew quarry)	Obtained	
6.	Permission for extraction of groundwater for use in road construction activities from state ground water board/central ground Water authority	Extraction of groundwater	NA	
7.	Permission for use of water for construction purposes from irrigation department`	Use of surface water for construction	NA	
8.	Labour license from Labour commissioner office	Engagement of labour	Under process	
9.	Stockyard	Stocking materials for the project	Completed	
10.	Borrow areas	Stocking of soil along the stretch	Under process	

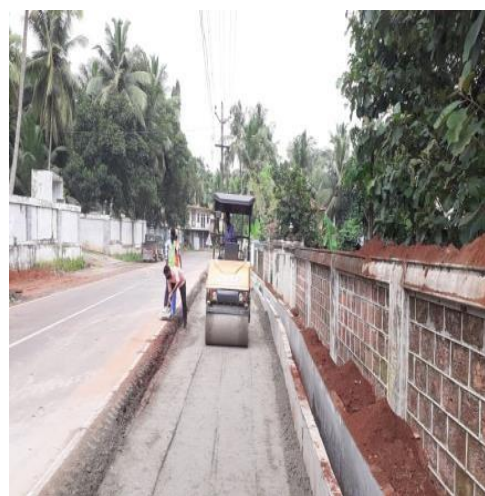
Bank Guarantee:

Bank Guarantee details of RKI 05 is listed below

Table 33 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

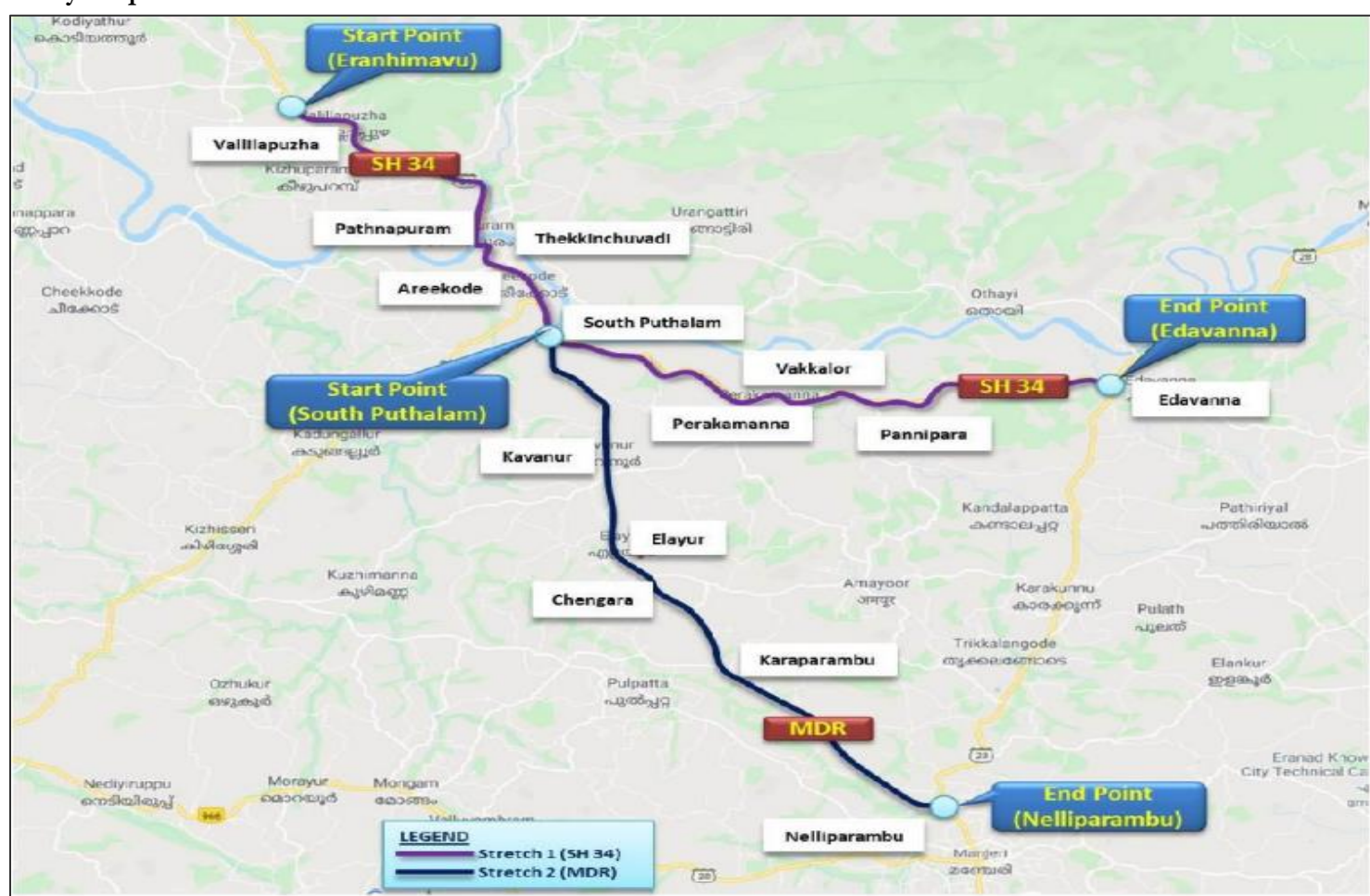
Progress Photographs RKI 05



8) RKI-6: Eranhimavu to Edavanna Section of SH-34 from Km 51+200 to 69+380 and South Puthalam to Nelliparambu from Km 0+000 to 13+350

Name of the contractor	Total Length in Kms	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Date of Completion	Progress till July'21
M/s Sreedanya Construction Company	31.53	18	189.76	23-Nov-2020	25-May-22	12.72%

Key Map.



Salient features:

Length of Road	:	31.53 km
Carriage way	:	7 m
Major Junction	:	23
Minor Junction	:	93
Major Bridge	:	1
Minor Bridge	:	1
Culverts	:	114

Bus Shelters	:	34
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Status as on 31st July'2021:

Status of Manpower & Machinery Mobilization:

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

Table 34 RKI 06 Key Personnel Mobilization Status

S.No	Key Postion	Req Nos as per Contract	Name of the Key Expert Mobilized	Mobilized at Site	
				Available Nos at Site	Date of Mobilization
1	Project Manager Cum Planning Engineer	1	Sebastian Antony	1	21.09.2020
2	Deputy Resident Engineer	1	Sham PK	1	21.09.2020
3	Highway Engineer	1	M Guru	1	10.09.2020
4	Structural Engineer	1	Cyraic Antony	1	21.09.2020
5	Materials Engineer	1	A.S. Venugopal	1	21.02.2021
6	Quantity Surveyor	1	Paul Payyoor Manoj	1	19.10.2020
7	Plant/Equipment Manager	1	KV Nataranjan	1	15.02.2021
8	Utility Engineer (Electrical)	1	Prasanna Kumar	1	05.01.2021
9	Utility Engineer (Civil)	1	Retnakara Panicker	1	05.01.2021
10	Surveyor 01	1	Hari Kumar	1	
	Surveyor 02	1	Shilas K	1	
	Surveyor 03	-	Kishore VS	1	
	Surveyor 04	-	Arun Prasad AM	1	
	Surveyor 05	-	Sanjay Patil	1	
11	Site Supervisor 01	2	Ajith A	1	21.09.2020
	Site Supervisor 02		Arun Ashok	1	21.09.2020
	Site Supervisor 03	-	Yogendra Kumar Yadav	1	21.09.2020
12	Laboratory Technician	1	Nidhin S	1	15.02.2021
13	Design Director	1	Sureshan Koilerian	1	08.10.2020
14	Environmental Specialist	1	N. Sreekantan Nair	1	05.01.2021
15	Health and Safety Engineer	1	Bipin Das CJ	1	
16	Sociologist	1	Sujeesh Kalluparayil	1	
17	Road Safety Consultant	1	Prabhakar S A	1	25.11.2020

Table 35 RKI 06 Machinery Mobilization

Sl. No.	Equipment Name	Req as per contract	Actual Quantity	Remarks
1	Dozer 175hp	1	-	
2	Excavator	2	4	
3	Hydraulic Excavator with Rock breaker	1		
4	Front end loader	2	-	
5	Motor Grader	2	1	
6	Smooth Wheel Roller	1	4	
7	Vibratory Roller	2		
8	Tandem Vibratory Roller	1		
9	Tandem Vibratory Roller for compaction of Edges	1		
10	Pneumatic Tyred roller	1	-	
11	Paver	2	-	
12	Bitumen Sprayer	1	-	
13	Water Tanker	2	2	
14	Dump Truck	12	23	
15	WMM Mixing Plant	1	-	
16	Hot mix plant	1	-	
17	Concrete Mixer	1	1	
18	Concrete Batching and mixing plant	1	1	
19	Total Station	1	-	
20	Auto level	1	-	
21	Excavator JCB	3	9	
22	Hydra		2	

Physical Progress:

Table 36 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 Monsoon Vegetation regrowth requires cleaning again
4	Utility Shifting estimate – Water Authority	In Progress (With KWA)	
5	KSEB	In Progress	
6	Tree cutting valuation and cutting permission	In Progress (With CE Office)	SH – 34 trees cutting in progress MDR – 3 rd Auction scheduled for 5 th of Aug'21
7	RoW identification with revenue dept	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	
12	Videography of existing road with narration	Completed	
13	Topographic survey	Completed	
14	Traffic Surveys	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	42 no's in Progress
19	WMM Plant	In Progress	Mobilization in progress
20	Road Work	In Progress	GSB laying & Compaction Completed for completed for 6.23 km
21	Drain Work	In Progress	Completed 9.61 km

Current Status of Plan & Profile and Culvert design approval in RKI- 6

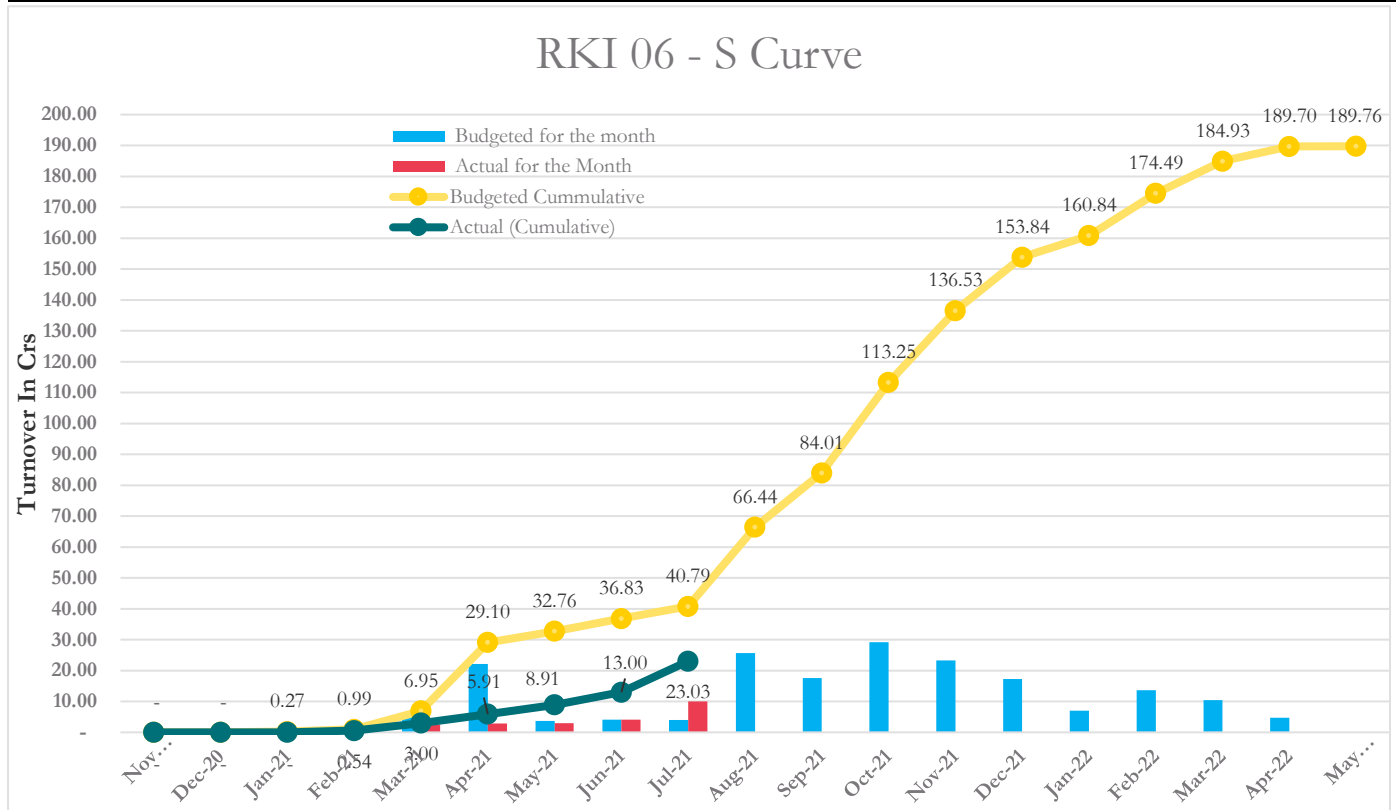
Chainage	Description	Remarks
51+200 to 57+000	Plan & Profile	Approved
60+000 to 66+000	Plan & Profile	Approved
57+000 TO 60+000	Plan & Profile	Approved with comments
66+000 to 69+380	Plan & Profile	Approved with correction
9+000 to 13+500	Plan & Profile	Approved
0+000 to 5+000	Plan & Profile	Approved (1 to 2 Km Approved with Comments)
5+000 to 9+000	Plan & Profile	Approved

S. No	Description	Total Numbers	Status		
			Approved	Approved With Comments	With Contractor
1	Box Culvert (2 mX1.5 m)	35	34		1
2	Box Culvert (2.5 mX1.5 m)	2	2		
3	Box Culvert (4 mX2 m)	1	1		
4	Box Culvert (5 mX2 m)	3	2		1
5	Box Culvert (5.5 mX2 m)	1	1		
6	Pipe Culvert 1x1.2m	6	5		1
7	Pipe Culvert 1x1.2m (New)	5	4		1
8	Rehabilitation /Retain	2	2		
9	Widening Culvert	31	21	6	4
10	Widening Pipe Culvert	1	1		
11	Widening to 1mx1.5m	2	2		

12	Widening to 2mx1.5m	6	6		
13	Widening to 4.7mx4.5m	1	1		
14	Widening to reconstruction Box (Cos Requested)	1			1
15	MNB	1			1
16	Storm water drain	1			1
	Total	99	82	6	11

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	-		Not Achieved
Milestone II	330	55%	-	19-Oct-21	-	-	
Milestone III	440	75%	-	06-Feb-22	-		
Milestone IV	548	100%	-	25-May-22	-		



Change of Scope:

Table 37 Change of Scope RKI 06

SL no	Details	Status	Reference letters
1.	Reconstruction Length of Road Stretch	Comparison statement under review by AE	SDC/MLPRM/2020/137dt 23-02-2021 & Continuation Letters
2	Shifting of Storm Drain	Approximate Cost involved for the work should be submitted by contractor to issue CoS Notice	SDC/MLPRM/2020/138dt 24-02-2021 & Continuation Letters EI/KSTP2/RKI 6/GEN/394/2021
3	Reconstruction of Culvert at 69+059	Cancelled	SDC/MLPRM/2020/294dt 27.04.2021
4	Retaining Wall	Joint site visit done and requested contractor should submit the details of such locations	SDC/MLPRM/2020/294dt 27.04.2021 SDC/MLRPM/2020/405 EI/KSTP2/ RKI / GEN/718

Source Approval:

The source approval details of RKI 06 is presented below

Table 38 RKI 06 Source Approval

S.No	Raw Material	Source	Submitted date	Approval Date	Remarks
1	Cement	Coromandel Cement	28-Nov-20	16-Dec-21	
		Chettinad Cement	11-Dec-20		
		Penna Cement	20-Nov-20		
		Ramco	11-Dec-20		
2	Steel	Tulsyan Steel	26-Nov-20	19-Dec-20	Conditional Approval
		Minar Steel	12-Jan-21	18-Jan-21	
3	Admixture	BASF India ltd	22-Dec-20	28-Dec-20	
4	Aggregate	Alpha Bricks and Metals -	11-Dec-20	16-Dec-20	
		PMR Granites India Pvt Ltd	15-Dec-20		
		Poabs Rock Products (P) Ltd	15-Dec-20		
		Friends Crushers	15-Dec-20		
		Al Madeena Granite - Metals	15-Dec-20		
		Aranhikkal	18-Dec-20		
6	NP4 class Hume Pipe	Premier Spun Pipe Company	03-Nov-20	28-Dec-20	

		Shanmugam Pipes	19-Dec-20	14-Jan-21	
		RBBR Infrastructure Pvt. Ltd	19-Dec-20	14-Jan-21	
		Tamil Nadu Spun Pipe	12-Jan-21	14-Jan-21	
7	Cast Iron Manhole Covers	Binay Udyog Pvt. Ltd.	18-Dec-20	19-Dec-20	
8	DI pipe	Jai Balaji Industries Ltd.	05-Dec-20	17-Dec-20	
9	DI Pipe Valves	Jupiter Engineering Co.	19-Dec-20	22-Dec-20	
10	PVC Pipes	Apollo Pipes	05-Dec-20		Documents Pending Form Apollo
11	Environmental Quality monitoring	Enviro-design Eco Labs	25-Feb-21	26-Feb-21	

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 39 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	Received
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	Under Process

9	Any other permits or clearances required Applicable laws	District labour officer issued labour license valid up to 8-10-2021
		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.

Other Clearances:

Sl. No	Types of clearance	Applicability	Status	Remarks
1	Tree felling permission	For road side tree cutting	Received for 1 st 5 km	
2	Consent for establish Hot mixplant, Batching plant, wet mix macadam, stone crushers		Under process	
3	Consent for operate Hot mixplant, 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:

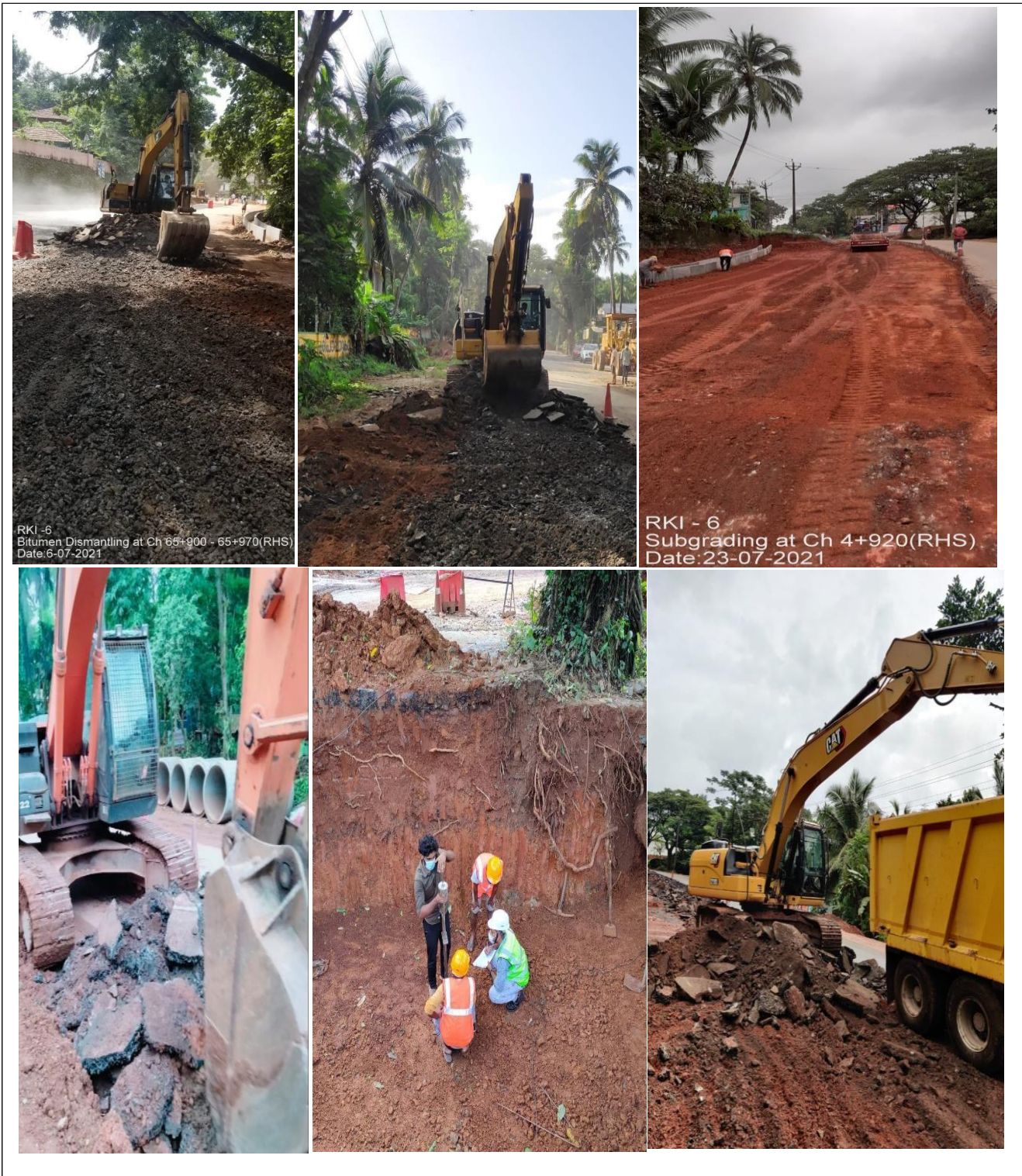
Bank Guarantee details of RKI 06 are presented below:

Table 40 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
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Progress Photographs RKI 06



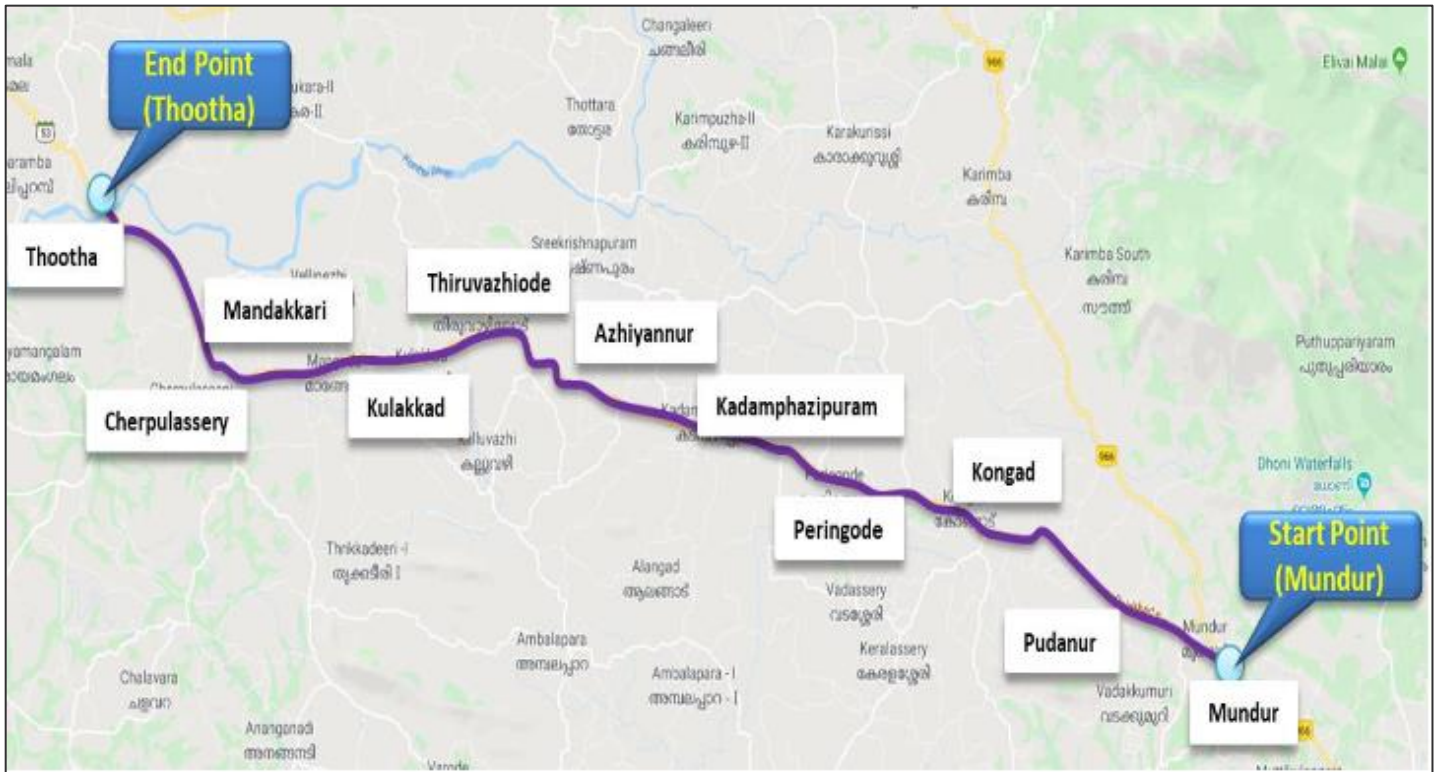
RKI - 6
 Bitumen Dismantling at Ch 65+900 - 65+970(RHS)
 Date:6-07-2021

RKI - 6
 Subgrading at Ch 4+920(RHS)
 Date:23-07-2021

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

Name of the contractor	Total length in Kms	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Date of Completion	Progress achieved till July'21
M/s KMC Constructions	36.8	24	323.10	27-Jan-21	28-Jan-2023	0.50%

Key Map



Salient features:

Length of Road	:	36.8 km
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

Status as on 31st July'2021:

Status of Manpower & Machinery Mobilization:

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

Table 41 RKI 07 Key Personnel Mobilization Status

S.No	Key Postion	Req Nos as per Contract	Name of the Key Expert Mobilized	Mobilized at Site	
				Available Nos at Site	Date of Mobilization
1	Sr. Project Manager	-	M. Balaramireddy	1	25-12-2020
2	Project Manager Cum Planning Engineer	1	K.Rama Rao	1	05-02-2021
3	Deputy Residential Engineer & QS	-	N.V.S Prasad	1	01-05-2021
4	Deputy Residential Engineer (Structures)	1	M.N Murali Krishna	1	25-02-2021
5	Highway Engineer	1	Rajkumar,	1	20-04-2020
6	Structural Engineer	1	Prathap Reddy	1	01-10-2020
7	Materials Engineer	1	M. Penchala Rao	1	15-03-2021
8	QS & Planning Engineer	1	R. Sathish Reddy	1	02-05-2021
9	Plant/Equipment Manager	1	Rama Krsishna Reddy	1	02-05-2021
10	Utility Engineer (Electrical)	1	D. Venkat Rao	1	02-05-2021
11	Utility Engineer (Civil)	1	Reddi. Siva Rama Krishana	1	02-10-2021
12	Surveyor 01	4	Ganesh	1	20-02-2021
	Surveyor 02			1	02-05-2021
	Surveyor 03			-	-
	Surveyor 04			-	-
13	Site Supervisor 01	4	Naga Raju	1	05-10-2021
	Site Supervisor 02		Ajay	1	05-10-2021
	Site Supervisor 03		Venu Gopal Reddy	1	15-02-2021
	Site Supervisor 04		Y.Madhu	1	15-02-2021
14	Laboratory Technician	2	Parish Kumar, Panindra	1	04-12-2021
15	Design Director	1	Prabhakar S A	1	15-02-2021
16	Environmental Specialist	1	Aneesha Fathima S	1	02-01-2021
17	Health and Safety Engineer	1	Arafath Sahib	1	02-10-2021
18	Sociologist	1	Arafath Sahib	1	02-01-2021
19	Road Safety Consultant	1	Harshith K Koushik	1	02-05-2021

Table 42 RKI 07 Machinery Mobilization Status

S.No	Type of Equipment	Capacity	Req Nos as per Contract	Available at Site	Remarks
1	Dozer	175 Hp	1		
2	Excavator	Min 1cum Bucket Size	2	3	
3	Hydraulic excavator with rock breaker	6 Cum per Hour	1		
4	Front End Loader	Min 1cum Bucket Size	2		
5	Motor Grader	3.35m balde, 175 Hp	2	1	
6	Smooth Wheel Roller	8-10 Ton	1		
7	Vibratory Roller	8-10 Ton	2	1	
8	Tandem Vibrator Roller	6-10 Ton	1		
9	Tandem Vibrator Roller for compaction of edges	1 ton (self-propelling type)8 - 10 ton;	1		
10	Pneumatic Tyred Roller		1		
11	Paver Finisher with electronic sensors for automatic level control.	Capable of paving 6m width and up to 200 mm lift	2		
12	Bitumen Sprayer	1750Sqm/Hr	1		
13	Water Tanker	6000 Litres	2	1	12k Litres mobilized at site
14	Dump Truck	8-10 Ton	12	9	
15	WMM Mixing Plant	100 Ton/Hr	1		
16	Batch Type Hot mix plant	100 Ton/Hr	1		
17	Concrete Mixer with Integral Weigh Batching Facility	1 Cum	1		
18	Total Status with Accessories	Min 2 Sec accuracy	1		
19	Auto level with micrometer		1		
20	JCB		-	3	

Physical Progress:

Table 43 RKI 07 Physical Progress

Sl. No.	Description	Status	Remarks
1	Chainage and Centerline marking of Existing Road	Completed	
3	Clearing and Grubbing	Completed	15+000 to 17+000 BHS
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. Tree valuation

			given to KSTP
7	RoW identification with revenue dept	In progress	Km 12+000 to Km13+600 & Km 0+250 to Km 1+100 & Km 20+000 to Km28+700 Completed
9	Cleaning, Excavation & Construction of Culverts	In progress	10+734 BHS,11+033 ,15+279,17+241,17+970 ,19+435 BHS,19+475 LHS Excavation completed
11.1	CBR sample collection and crust details at every 2 km	In progress	From Ch 25+000-20+000 Completed
11.2	Excavation of Drain/ Utility Duct	2239 Rm	
11.3	PCC	1051 Rm	
	Raft	1009 Rm	
	Wall	1442 Rm	
11.4	Soil investigation at Road	In progress	From Ch-20+000 to Ch-25+000 Completed
11.5	Soil Investigation for Structures	Not started	
12	Videography of existing road with narration	Completed	Submitted
12 a	Environmental tests (Noise, Air, Sound, &Water)	Completed	26.07.2021 & 27.07.21
13	Topographic survey	Completed	
14	Traffic surveys	Completed	
15	Mobilization for Base Camp and required Plants	Completed	Batching Plant (at Ch-18+340 RHS)
16	Temp. Site office for the project.	Completed	At CH 20+200
17	Approvals (Drawings)		
17.1	Strip Chart	Submitted	With Contractor
17.2	Cross road Utility at every 1Km interval along the stretch	Submitted	Approved
17.3	Drain Invert Levels from 10+000 to 20+000	Reviewed and comments given by AE	Awaiting Final drawing.
17.4	Drain Design and Drawing	Resubmitted	
17.5	RCC utility Duct + Drain Design and Drawing	Submitted	

Current Status of Plan & Profile and Culvert design approval in RKI- 7

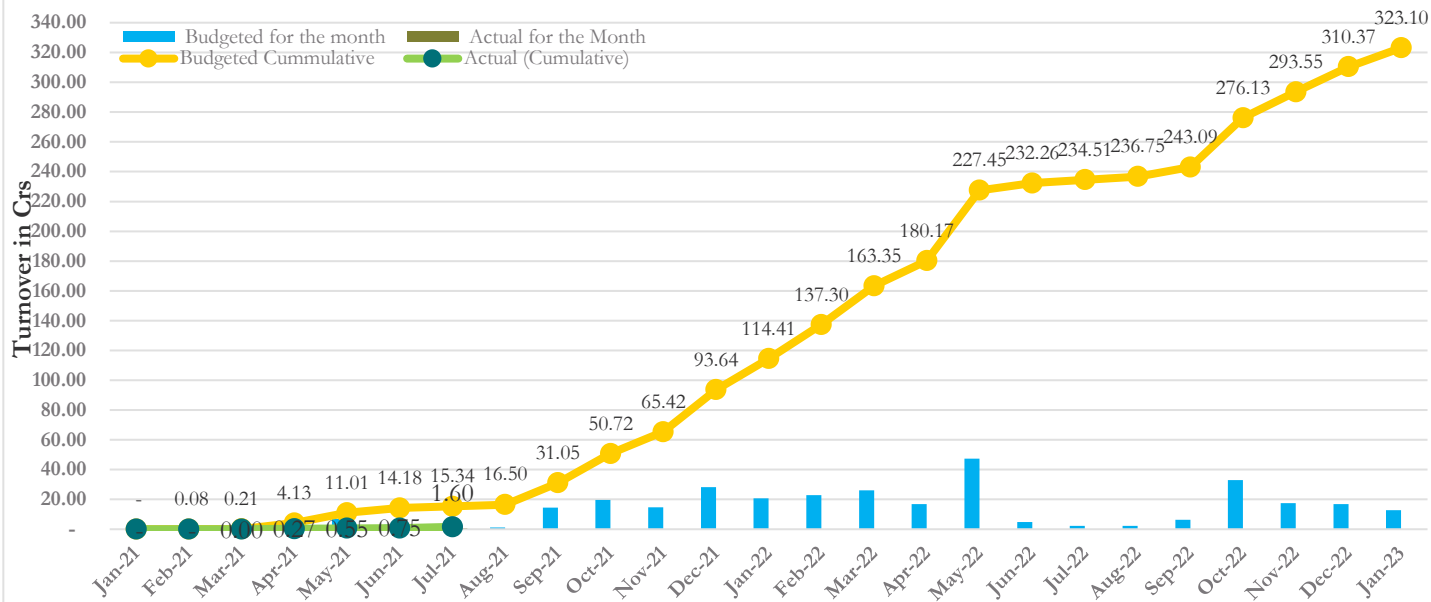
Chainage	Description	Remarks
10+000 to 20+000	Plan and Profile	Approved
0+250 to 10+000	Plan and Profile	With Contractor
19+900 to 28+160	Plan and Profile	With Contractor

S.No	Description	Total Numbers	Status		
			Approved	Approved With Comments	With Contractor
1	Box Culvert (2 mX1.5 m)	26	11	11	4
2	Pipe Culvert	7		3	4
3	Widening Culvert	28	28		
4	Bridge	1			1
	Total	62	39	14	9

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	-		

RKI 07 - S Curve



Source Approval:

The source approval details of RKI 07 is presented below

Table 44 RKI 07 Source Approval

Table 8.3: Source Approval Details of RKI - 7				
SL No	Raw Material	Source	Approval Date	Remarks
1	Cement	Ultratech cement	27/02/2021	
		Dalmia cement	03/03/2021	
		Ramco cement	03/03/2021	
		Bharati Cement	16/06/2021	
2	Steel	M/s Steel Authority of India Industries	27/02/2021	
3	Bitumen vg 30	Mangalore Refinery Petrochemical	04/03/2021	
		BPCL	04/03/2021	
4	GSB & WMM	Vadakancherry		Awaiting for Approval
		Kizhakkparambil Natural Rock Crusher, Coimbatore	11/06/2021	
5	RMC	QUBE RMC		Awaiting for Approval
		BEST (Valluvanad RMC)	12/06/2021	
		KMC RMC Plant	09/07/2021	
6	RCC hume pipes (Grade NP-4)	M/s Tamilnadu Spun Pipe Industries	25/5/2021	
7	RCC hume pipes (Grade NP-4)	M/s Chennai Spun Pipe Industries	25/5/2021	
8	MAPEI-Mapefluid R-240	MAPEI-Mapefluid, Bangalore	12/06/2021	
	Admixture (MAPEI Dynamon PC 802I)	MAPEI-Mapefluid, Bangalore	08/07/2021	

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 45 RKI 07 Status of Other Permits

Sl. No.	Types of clearance	Applicability	Status	Remarks
1.	Tree felling permission	For roadside tree cutting	Permission obtained for cutting 2338 trees	Direction given to the contractor to cut the trees and stack nearby forest Dept. yard
2.	Consent for establish	Hot mix plant, Batching plant, wet mix macadam, stone crushers	Under process	Batching plant establishment Completed
3.	Consent for operate	Hot mix plant, Batching plant, wet mix macadam, stone crushers	Under process	Completed CTO for Batching Plant
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	Delayed due to Covid Lockdown
6.	Permission for extraction of ground water for use in road construction activities from state ground water board/central ground water authority	Extraction of groundwater	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 14+600 LHS 6+480 RHS	

Bank Guarantee:

Bank Guarantee details of RKI 07 are presented below:

Table 46 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

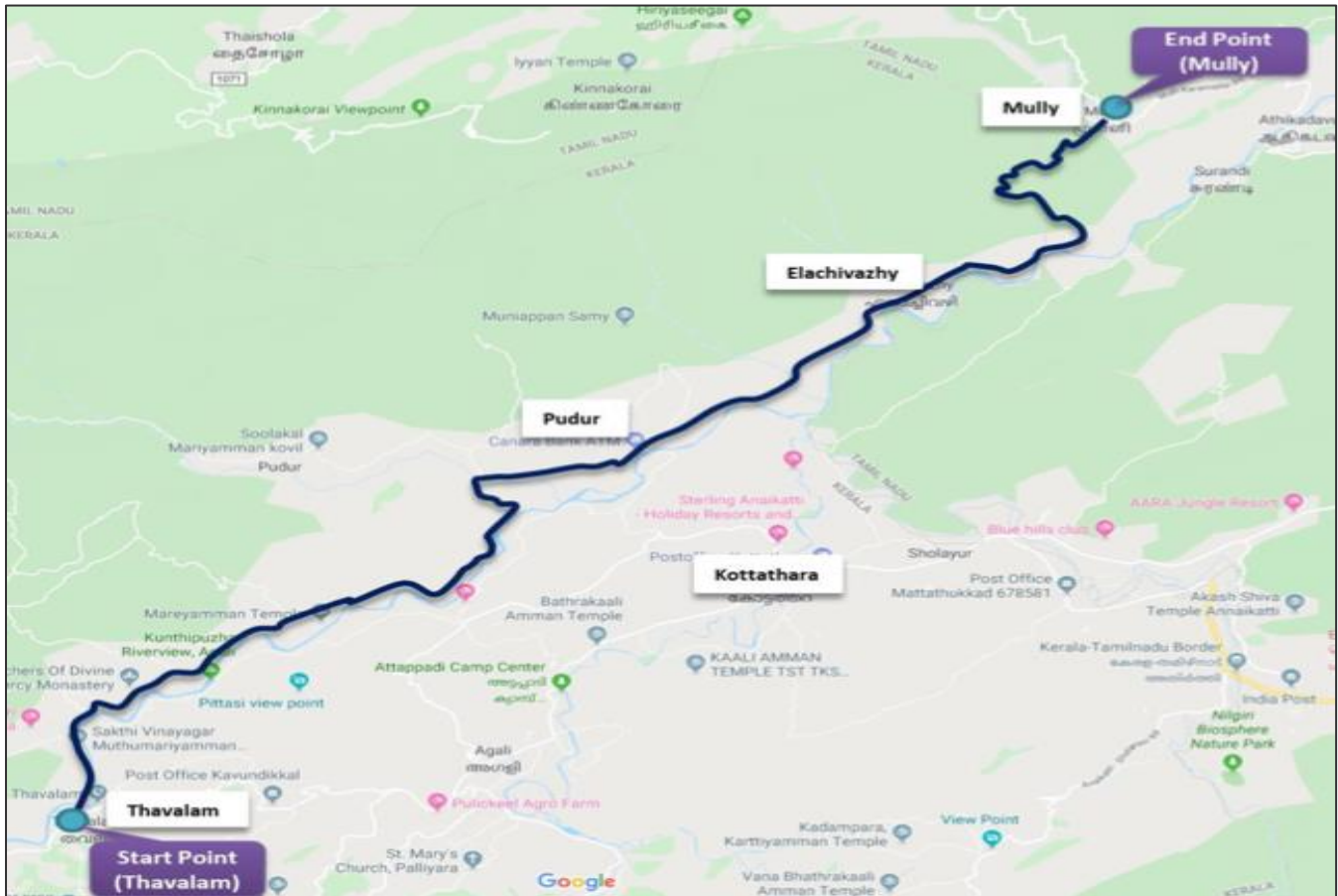
Progress Photographs 07:



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

Name of the contractor	Total Length in Kms	Duration in Months	Contract Value in Crores (Exc Maintenance)	Appointed Date	Original Date of Completion	Progress achieved till July'21
M/s Akshaya EKK JV	28.50	18	132.8	23-Nov-2020	25-May-2022	7.97%

Key Map



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

Status as on 31st July'2021:

Status of Manpower & Machinery Mobilization:

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

Table 47 RKI 08 Key Personnel Mobilization Status

S.No	Key Postion	Req Nos as per Contract	Name of the Key Expert Mobilized	Mobilized at Site	
				Available Nos at Site	Date of Mobilization
1	Project Manager Cum Planning Engineer	1	Reghunathan K V	1	09.11.2020
2	Deputy Residential Engineer	1	Jibumon Varghese	1	25.11.2020
3	Highway Engineer	1	Benny P.P	1	25.11.2020
4	Structural Engineer	1	Jose Moan Anotny	1	25.11.2020
5	Materials Engineer	1	Aneesa Abdul Lathif	1	
6	Quantity Surveyor	1	Prasanth Sankar	1	01.01.2021
7	Plant/Equipment Manager	1	Krishna Kumar P R	1	25.02.2021
8	Utility Engineer (Electrical)	1	Chandramohan	1	
9	Utility Engineer (Civil)	1	Radhakrishanan PM	1	20.01.2021
10	Surveyor 01	2	Tintu Johnson	2	25.11.2020
	Surveyor 02		Sujith		25.11.2020
11	Site Supervisor 01	2	Ajinsha B	2	25.11.2020
	Site Supervisor 02		Sabin G Sadan		25.11.2020
12	Laboratory Technician	1	Herin J	1	25.02.2021
13	Design Director	1	Kiran Kumar KH	1	25.11.2020
14	Environmental Specialist	1	U Senthil Nathan	1	25.11.2020
15	Health and Safety Engineer	1	Sreejith S	1	14.12.2020
16	Sociologist	1	Akhilesh Ayyappan	1	25.11.2020
17	Road Safety Consultant	1	Prabhakar S A	1	25.11.2020

Table 48 RKI 08 Machinery Mobilization Status

Sl. No.	Equipment Name	Required (As per Contract)	Actual Quantity	Remarks
1	Dozer 175HP	1		
2	Excavator	2	4	
3	Excavator cum Rock Beaker	1	3	
4	Front end loader	2		
5	Motor Grader	2	2	
6	Smooth wheeled Roller/Vibratory Roller	1		
7	Vibratory Roller	2	2	
8	Tandem Vibratory Roller	1		
9	Baby Tandem Roller	1		

10	Pneumatic Typred Roller	1		
11	Paver Finisher with Electronic Sensors	2		
12	Dump Truck	12	9	
13	Bitumen Sprayer	1		
14	Water Tanker	2	1	
15	WMM Mix plant	1	1	
16	Batch Plant Hot mix	1		
17	Concrete Mixer	1	4	Ajax 02 & TM 02
18	Concrete Batching and Mixing Plant	1	1	
19	Total Station	1	2	
20	Auto Level with micrometer	1	3	Dumpy Level

Physical Progress

Table 49 RKI 08 Physical Progress

SL No.	Description	Status	Remarks
1	Marking of existing chainage @ 25 minterval	Completed	
2	Road inventory	Completed	
3	Utilities, Trees, forest area, RoW Listing	completed	
4	Utility Shifting cost and shifting	Electrical	completed
5	Utility Shifting cost and shifting	Water Pipe lines	Estimate sent to KSTP
6	Tree cutting valuation and cutting		Cutting permission from Forest dept. sentto KSTP. KSTP has to initiate the auction works. Request lettersent to Chief Engineer for immediate actions
7	RoW identification with revenue dept	in Progress	
8	Culvert inventory condition surveys	completed	
9	MoI	completed	
10	Geotechnical investigations	Completed at bridge locations	
11	CBR sample collection and crust details atevery 2km	completed	
12	Videography of existing road with narration	completed	

13	Topographic survey	Completed	
14	Traffic surveys- Axle load, volume Count,	Completed	
15	Horizontal alignment	Completed	
16	Vertical Alignment	Completed	
17	Plan and Profile	Completed	
18	GADs of structures	Completed	GADs of MNB @ 0+189,3+711, 1+275, 7+307, 20+516 approved
19	GADs for culverts	20 Km completed, balance in progress	
20	Detailed Design of bridges	Completed	
21	Detailed Design of Culverts	20 Km completed, balance in progress	
22	Traffic Analysis and Pavement Design	Completed	
23	CL transfer	22 Km complete	
24	OGI survey	in Progress	
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, CTSB approved.
28	Construction starts	commenced	
29	Submission of Programme, HSE & TMP Plan	Submitted	Approved
30	Submission of Plan & Profile	0 to 9.96 km & 9+900 to 17+000	Approved.

Site works

1	Clearing and Grabbing	23.63 Km completed	
2	Dismantling and removal of BT	24.89 Km completed	
3	Subgrade preparation	10.89 Km completed	
4	Retaining wall	1500 m stone masonry retaining wall complete except parapet	300m in progress
5	RCC Drain	760 m complete	
6	Culverts	11 nos complete, 15 nos in progress	

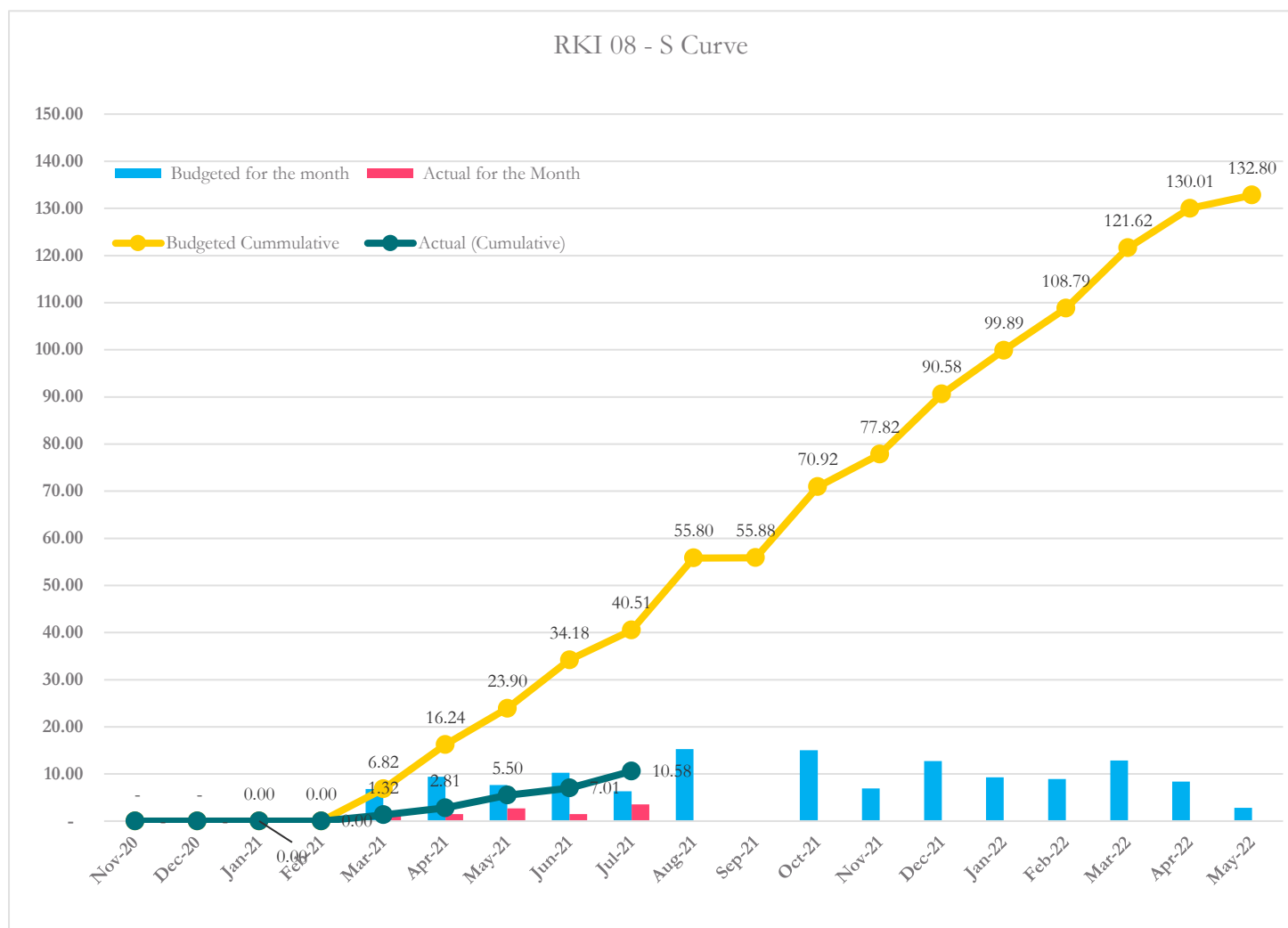
Current Status of Plan & Profile and Culvert design approval in RKI- 8

Chainage	Description	Remarks
0+450 to 9+990	Plan & Profile	Approved
9+900 to 17+000	Plan & Profile	Approved
17+000 to 22+000	Plan & Profile	Approved with comments (17+000 to 20+000, 20+500 to 21+000, 21+500 to 22+000 approved)
22+000 to 28+000	Plan & Profile	With AE

S. No	Description	Total Numbers	Status		
			Approved	Approved with Comments	With Contractor
1	Box Culvert (2 mX1.5 m)	15	12	1	2
2	Box Culvert (3 mX1.5 m)	2		2	
3	Box Culvert (4 mX1.5 m)	1	1		
4	Box Culvert (4 mX2 m)	1		1	
5	Box Culvert (4 mX3 m)	1	1		
6	Box Culvert (6 mX5.5 m)	1			(With AE)
7	Box Culvert (6 mX6 m)	1	1		
8	Box culvert (2mx2m)	6	1		5
9	Minor Bridge Design & Drg	1			1
10	Minor Bridge GAD	1		1	
11	Minor Bridge GAD/ Design	2			1 (1 with AE)
12	Pipe Culvert 1.2m	2	1		1
	Total	34	17	5	12

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	-	-	Not Achieved
Milestone II	330	55%	-	19-Oct-21	-		
Milestone III	440	75%	-	06-Feb-22	-		
Milestone IV	548	100%	-	25-May-22	-		



Change of Scope:

The change of scope proposals/approvals for RKI 08 till date is mentioned blow.

Table 50 Change of Scope RKI 08

Sl No	Change of Scopeproposal	Submission letter	Status
1	1.2 dia 2 barrel pipe culverts at cause ways @Ch: 3+272 and 2+680	AB/KSTP/TM/2020/05/21(124) dated 11.05.2021	Approved by KSTP wideLetter No EI/KSTP2/RKI8/GEN/618/2021 and COS notice Issued

Source Approval:

The source approval details of RKI 08 is presented below

Table 51 RKI 08 Source Approval

Sl. No	Material	Source/Vendor	Date of Approval
1	Cement	ICL(Coromandal), Dalmia, Chettinadu	30.12.2020
2	Steel	Vizag Steel, JSW Steel	30.12.2020
		METCON TMT Steel	28.01.2021
		Tulsyam Steel	09.03.2021
		Kamachi Steel	19.04.2021

3	Aggregates, GSB, WMM	M/s Venkateswara Blue Metals, Coimbatore M/s SRI Blue Metals, Coimbatore	30.12.2020
4	Hume/Spun Pipes	M/s. Premier Spun Pipe Company	30.12.2020
5	Admixture	M/s. Master Builders Solutions India Pvt Ltd M/s. Fosroc Chemicals (India) Pvt Limited.	30.12.2020
6	Bitumen VG30, VG40, CRMB	Bharat Petroleum Corporation Ltd, Kochi.M/s. Mangalore Refinery and Petrochemicals Limited. M/s. Puma Bitumen, Puma Energy Private limited.	30.12.2020
7	Emulsion SS1, RS1	M/s. IWL India Ltd, Chennai	30.12.2020

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 52 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 controlboard for installation of batching plant	Applied to PCB	Approval received
3	Building permit from Panchayat for camp/plant	Applied to Puthoor Panchayath	Permit Received
4	Sanction from Forest department for carrying our construction works in forest areas	Requested to Forest Department	Sanction awaited
5	Tree felling permission	Permission obtained for cutting trees	Direction given to the contractor to cut the trees and stack nearby forest Dept. yard
6	Consent for establish	Applied to Puthoor Panchayath	Consent Received
7	Consent for operate	Applied to Puthoor Panchayath	Consent Received
8	Explosive license from chief controller of explosives	NA	
9	Quarry lease deed and quarry mining from state department of mines and geology		Under processing
10	Labour license from labour commissioner office		Under progress
11	Stock yard		NOC Received from landowners
12	Borrow areas		Sampling in progress

Bank Guarantee:

Bank Guarantee details of RKI 08 are presented below:

Table 53 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	10.6248	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

Progress Photographs 08



4.3. Central Package 03

Table 54 Central Package 03 Status

Status of Procurement of Central Package III														
Road Ref No	Road Name	District	Length (Kms)	Duration in months	Tender Submission Date	Technical bid Opening	Financial Bid Opening	LOA Issued	Tender Amount (DPR)	Lowest Bid Price in Crs	% above Tender Amount	Agreement Date	Contractor	Procurement Status
RD -1	Mookannoor Ezhattumugham and Blachippara Palissery Rd	Ernakulam	19.95	18	22-Oct-20	22-Oct-20	12-Jan-21	25-Feb-21	91.88	91.89	0.01%	03-May-21	M/s Marymatha-Akshaya (JV)	Procurement Completed
RD-02	Kakkadassery - Kaliyar road	Ernakulam	20.18	18	15-Mar-21	15-Mar-21	23-Apr-21	02-Jun-21	67.73	67.91	0.26%	05-Jul-21	M/s Sreedhanya Construction Company	Procurement Completed
RD-03	Muvattupuzha - Theni SH	Ernakulam	16.18	18	08-Feb-21	08-Feb-21	24-Mar-21	02-Jun-21	80.91	87.73	8.44%	06-Jul-21	M/s Sreedhanya Construction Company	*NO for Draft Agreement received on 22nd June'2021
RD-04	Kumarakom Nedumbassery from Peruva to Peruvammuzhi	Ernakulam	21.40	18	26-Feb-21	26-Feb-21	30-Mar-21	21-Apr-21	96.85	97.88	1.06%	07-Jun-21	M/s Ray Engineering -PRL JV	Procurement Completed
RD-05	Neyyassery Thokkumbansaddle road	Idukki	31.92	24					144.30					ESIA in review with KfW
RD-06	Nenmara - Nellyampathy road	Palakkad	30.47	24	02-Aug-21				90.96					Tendered with last date of submission as 2nd Aug'2021
RD-07	Kodungallur- Shornur	Thrissur	34.35	24	02-Nov-20	02-Nov-20	01-Jan-21	22-Jan-21	194.96	203.22	4.24%	08-Mar-21	M/s. Gawar . ATCON JV	Procurement Completed
RD-08	Vazhakkodu Plazhy road	Thrissur	22.72	18	29-Mar-21	29-Mar-21			102.33	105.38	2.98%			NO for FBER received from KfW on 28th July'2021
RD-09	Thrissur Kuttippuram Road	Thrissur	33.24	24	09-Mar-20	09-Mar-20	05-May-21	14-Jun-21	212.82	218.45	2.65%	23-Jul-21	M/s Ray Engineering -PRL JV	Procurement Completed
RD-10	Arakunnam-Amballoor-Poothatta-Piravam Road	Ernakulam	7.98	12	18-Mar-21	18-Mar-21	24-May-21		27.94	31.41	12.40%			*Steering Committee Review
Total Length of Central Package 03			238.39						1110.68	903.87				

Bid Price is including GST and maintenance cost for 5 years

4.4. South Package 04

Table 55 South Package 04 Status

Status of Procurement of South Package -IV														
Road Ref No	Road Name	District	Length (Kms)	Duration in months	Tender Submission Date	Technical bid Opening	Financial Bid Opening	LOA Issued	Tender Amount (DPR)	Lowest Bid Price in Crs	% above Tender Amount	Agreement Date	Contractor	Procurement Status
Rd-1	Gandhinagar-Medical College	Kottayam	20.20	18	18-Dec-20	18-Dec-20	11-Jan-21	25-Feb-21	104.30	121.11	16.12%	27-May-21	M/s Sreedhanya Construction Company	Procurement Completed
Rd-2	Vadayar Mulakkulam Road and Vadayar Kallattippalam Muttuchira Road	Kottayam	22.48	18	29-Mar-21	29-Mar-21	07-May-21		97.49	111.10	13.95%			*Steering Committee Review
Rd-3	Pathanamthitta Ayroor-Muttukudukka	Pathanamthitta	28.20	18	18-Dec-20	18-Dec-20	21-Jan-21	25-Feb-21	97.12	107.53	10.71%	22-Apr-21	M/s Theruvath-PRL (JV)	Procurement Completed
Rd-4	Mallapally, Komalam Paduthodu	Pathanamthitta	23.13	18	30-Nov-20	30-Nov-20	18-Jan-21	25-Feb-21	98.98	102.90	3.96%	09-Apr-21	M/s SPL-RM JV	Procurement Completed
Rd-5	Malamekkara Kunnathukala Chala Puthenchanda	Pathanamthitta	7.87	18	05-Oct-20	05-Oct-20	13-Jan-21	22-Jan-21	27.67	28.80	4.08%	08-Mar-21	M/s. KNM-EKK JV	Procurement Completed
Rd-6	Thiruvananthapuram Ponmudi road (From Nedumangad to Ponmudi)	Thiruvananthapuram	37.95	24	09-Aug-21				173.58					Tendered with last date of submission as 9th Aug'2021
Rd-7	Thattararnbalam-Michael Junction-Kochalummood-Mangankuzhy-Pandalam	Allapuzha	18.66	18	30-Nov-20	30-Nov-20	18-Jan-21	25-Feb-21	109.30	119.13	9.00%	29-Apr-21	M/s Begorra PRL JV	Procurement Completed
Rd-8	Veeyapuram-Edathua-Puthukarry-Marnbuzhakkary-Kidangara- Kunnamgery-Kumarangary-Valady-Mullakarthuruthy	Allapuzha	21.45	18	18-Dec-20	18-Dec-20	11-Jan-21	22-Jan-21	103.90	108.89	4.80%	03-Mar-21	M/s Sreedhanya Construction Company	Procurement Completed
Rd-9	Vayyattupuzha – Potheppad road	Pathanamthitta	35.00	18					157.96					*DPR in review
Total Length of South Package 04 (Kms)			214.93						970.30	699.46				

Bid Price is including GST and maintenace cost for 5 years

4.5. Statement of Expenditure for the month of July'2021

North Package 01 & 02

PAYMENTS MADE DURING THE MONTH OF JULY 2021						
World Bank Funded Projects						
Road Ref No	Description	Contractor	Date of Payment	Adv/IPC	Amount Paid	Remarks
RKI-06	Eranhimavu-Edavanna	M/s Sreedhanya Construction Co.	22-Jul-21	Advance	9,48,82,500	3 rd Instalment
RKI-08	Thavalam-Mulli	M/s. Akshaya-EKK JV	14-Jul-21	Advance	4,50,00,000	3 rd Instalment
RKI-05	Perumbilavu-Nilambur	M/s. KMC Construction Ltd	14-Jul-21	IPC 03	5,98,83,974	
RKI-05	Perumbilavu-Nilambur	M/s. KMC Construction Ltd	14-Jul-21	Patch work	25,13,177	
RKI-05	Perumbilavu-Nilambur	M/s. KMC Construction Ltd	14-Jul-21	SPS 04	5,26,19,421	
	Total				25,48,99,072	

Central Package 03 & South 04

PAYMENTS MADE DURING THE MONTH OF JULY 2021						
KfW Funded Projects						
Road Ref No	Description	Contractor	Date of Payment	Adv/IPC	Amount Paid	Remarks
III /1	Kumarakom - Nedumbassery	M/s RAY-PRL JV	23-Jul-21	Advance	4,68,33,127	1st Inst
	Total				4,68,33,127	

4.6. Activities Completed by PMC in the month of July'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 July 2021:

Table 56 Activities Completed in July'2021

Task	Description	Status
Monthly Progress Report	Submission of Monthly Progress Report for the month of June'2021	<ul style="list-style-type: none"> Submitted on 15th July'2021
Quarterly Progress Report	Submission of Quarterly Progress Report 03	<ul style="list-style-type: none"> Submitted QPR 03 on 19th July'2021
Project Management Manual	Submission of Project Management Manual	<ul style="list-style-type: none"> Submitted the revised PMM on 30th July'2021 incorporating the comments received from KSTP on 14th July'21
Evaluation of RD 8 (Pkg III)	Submission of Financial Bid Evaluation of Bids - KSTP-II/RKI/PKG III/Road 8	<ul style="list-style-type: none"> Submitted on 23rd July'2021
Clarification of Royalty on Excavated Materials for EPC Contracts	Clarification on royalty /Cost of material available on site for EPC contracts	<ul style="list-style-type: none"> Submitted on 25th June'2021
Review and Recommendations RKI 09/ AE 07	Reduction of Width of flyovers	<ul style="list-style-type: none"> Bridge engineer and high way engineer visited the Site, Reviewed the site conditions and submitted the



Task	Description	Status
		recommendations on 26 th July'2021
PMC Team Site Visit North Package 01	PMC Team visited North Package 01 from 4 th July'21-9 th July'21 and conducted a introductory meeting with AE 02 and Contractors explaining the relevance of various submission which are mandatory	<ul style="list-style-type: none"> Minutes of introductory meeting has been submitted vide letter no 4800221/Contracts/AE-2/04 on 12th July'2021
Audit/Inspection	As per PMC Task PM12 Environmental and Social Monitoring	<ul style="list-style-type: none"> PMC teams Environmental and Social Expert along with Environmental Specialist and HSE officer audited/Inspected the 6 roads in Pkg 01 from 23rd July'21-30th July'21. Audit report the visit will be submitted in the 1st week of Aug'2021

Source: Louis Berger Analysis

5. 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 July'2021.