

# Environmental Monitoring Report

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Annual Report

December 2021

## Sri Lanka: Integrated Road Investment Program — Tranche 2, 3 & 4 PIC 02 – North Western and North Central Provinces

Prepared by Road Development Authority, Ministry of Highways for the Government of Sri Lanka and the Asian Development Bank.

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# ADB FUNDED INTEGRATED ROAD INVESTMENT PROGRAM

## ANNUAL ENVIRONMENT COMPLIANCE MONITORING REPORT

NORTH CENTRAL & NORTH WESTERN PROVINCES



**January to December 2021**



### REPORT PREPARED BY

**PYUNGHWA ENGINEERING CONSULTANTS**

In Association with

**RESOURCES DEVELOPMENT CONSULTANTS**

On behalf of

**ROAD DEVELOPMENT AUTHORITY**

**MINISTRY OF HIGHWAYS**

Submitted to **Asian Development Bank**



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## **Abbreviation**

ADB	=	Asian Development Bank
ARE	=	Assistant Resident Engineer
AP	=	Anuradhapura
BOQ	=	Bid of Quantity
COVID – 19	=	Coronavirus Disease
CE	=	Construction Engineer
CEA	=	Central Environmental Authority
CRC	=	Conventional Road Contracts
CP	=	Contract Package
CSD	=	Context Sensitive Design
DO	=	Divisional Officer
DPM	=	Deputy Project manager
DS	=	Divisional Secretary/Secretariat
DSESA	=	District Social and Environmental Safeguards Assistant
DSO	=	Divisional Secretariat Office
DWLC	=	Department of Wildlife Conservation
EARF	=	Environmental Assessment Review Framework
EC	=	Environmental Clearance
EMAP	=	Environmental Monitoring Action Plan
EMC	=	Environmental Monitoring Checklist
EMP	=	Environmental Management Plan
EMoP	=	Environmental Monitoring Plan
EOT	=	Extension of Time
EPL	=	Environmental Protection License
ER	=	Environmental Recommendation
ES	=	Environmental Specialist
ESA	=	Environmental Safeguards Assistant
ESDD	=	Environmental & Social Development Division
ESO(RDA)	=	Environment Safeguards Officer
ESO(Contractor)	=	Environmental and Social Officer
ESSO	=	Environmental and Social Safeguards Officer
FAM	=	Facility Administrative Manual

FD	=	Forest Conservation Department
GIS	=	Geographical Information System
GN	=	Grama Niladhari
GND	=	Grama Niladhari Division
GoSL	=	Government of Sri Lanka
GR	=	Grievance Redress
GRC	=	Grievance Redress Committee
GRM	=	Grievance Redress Mechanism
GSMB	=	Geological Surveying & Mining Bureau
HIV/AIDS	=	Human Immunodeficiency Virus/ Acquired Immunodeficiency Syndrome
IEE	=	Initial Environmental Examination
IML	=	Industrial Mining License
IR	=	Involuntary Resettlement
iRoad	=	Integrated Road Investment Program
KU	=	Kurunegala
LKR	=	Sri Lankan Rupees
LTD	=	Limited
MFF	=	Multi-Tranche Financing Facility
MS	=	Micro Soft
NBRO	=	National Building Research Organization
NCD	=	Not Communicable Diseases
NCP	=	North Central Province
NWP	=	North Western Province
PC	=	Provincial Council
PBM	=	Performance Based Maintenance
PD	=	Project Director
PE	=	Project Engineer
PEC	=	Pyunghwa Engineering Consultants Ltd.
PIC	=	Project Implementation Consultant
PIU	=	Project Implementation Unit
PM	=	Project Manager
PO	=	Polonnaruwa
PRDA	=	Provincial Road Development Authority
PRDD	=	Provincial Road Development Department

PS	= Pradeshiya Sabha
PU	= Puttalam
PVT	= Private
RD	= Road
RDA	= Road Development Authority
RDC	= Resources Development Consultants
RE	= Resident Engineer
RF	= Resettlement Framework
RMC	= Road Management Contract
SAC	= Statement at Completion
SE	= Site Engineer
SGRS	= Social, Gender & Resettlement Specialist
SLRM	= Sri Lanka Resident Mission
SO	= Safety Officer
SPS	= Safeguards Policy Statement
SSA	= Social Safeguards Assistance
SSEMAP	= Site Specific Environmental Management Action Plan
SSO	= Social Safeguards Officer
STD	= Sexual Transmitted Diseases
TA	= Technical Assistance
TL	= Trade License
TO	= Technical Officer
VAT	= Value Added Tax
VC	= Vice Chairman

# ADB Funded Integrate Road Investment Program I

## Annual Environment Compliance Monitoring Report – 2021

### 1.0: Introduction

1. As an island located in the Indian Ocean, Sri Lanka has a land area of about 65,610 km<sup>2</sup> and a population of above 20 million. The country has a higher road density compared to the other countries in the South Asian region. However, the Government of Sri Lanka has identified that the poor transport infrastructure has hindered the distribution of economic activities and access to basic health and education and other social resources of the public. In order to assist the development drive of the nation, the GoSL has now taken a bold policy decision to improve the national road network. The national road network improvement has now been coupled with the development of rural road network as a means of distributing the social and economic benefits to the rural population has requested financial assistance from the Asian Development Bank (ADB) for the investment program which is officially called as **“Integrated Road Investment Program”** or **iROAD Program**.

2. The investment program is in line with the government’s sector objective, which is to ***“Establish a modern transport system that will enable acceleration of economic growth.”***

3. The iRoad Program oriented around a number of Grama Niladhari Divisions (GNDs) within nine (09) provinces, all over the country selected based on the population, development potential and distance to trunk road network. Enhancement of connectivity is to be achieved through;

- i.) Improving rural access roads linking the rural hubs to trunk road network to all weather standards.
- ii.) Operating a sustainable trunk road network, encompassing national roads, of at least fair condition.

4. The Program is expected to allow people from rural villages to directly access other areas of the country to engage in a number of social and economic activities, thereby serve as a tool for alleviation of poverty. The improved roads will be maintained to appropriate periodic maintains to increase their lifetime. The second output which the program intends to achieve is to enhance the capacity of road agencies.

5. The iRoad program I is currently operated in Southern (PIC 01-Project 1), Sabaragamuwa Province and Kalutara District (PIC 03-Project 2), Central Province (PIC 03-Project 3), North Central Province (PIC 02-Project 4) and North Western Province (PIC 02-Project 5). In year 2021, program was still under Tranche 4 and PIC 02 supervises the implementation of civil works contracts of Project 4 and 5. End of the 2019, the iRoad II was started. Under the iRoad II Program around 3750km of rural roads in Uva (PIC 06), Eastern (PIC 05), Northern (PIC 04) and Western (PIC 07) provinces will be improved / rehabilitated and maintained for three years through 53 civil works contracts.

6. This is the ***Annual Environment Compliance Monitoring Report – 2021*** prepared on behalf of the iRoad PIC 02 of North Western Province and North Central Province. In accordance with the EARF, this is a compulsory report that should be prepared by the iRoad PIC 02.

7. Environmental safeguard is one of the major compulsory components of the iRoad project and the Environmental Assessment and Review Framework is prepared to guide selection, screening, categorization, impact assessment, project implementation and monitoring of Environmental Safeguards according to the requirement of the Government of Sri Lanka as well as the ADB Safeguards Policy Statement 2009.

8. As per the Environmental Assessment and Review Framework (EARF), it is required to submit an Annual Monitoring Report on Environmental compliances for the time period from January to December 2021 of iRoad Program.

9. The Project Implementation Consultants (PIC 02) were deployed from 15<sup>th</sup> of March 2016 while the construction contracts were awarded in 01<sup>st</sup> of August 2016 to 15 Contractors as 5 Contract Packages in Kurunegala District, 3 Contract Packages in Puttalam District, 4 Contract Packages in Anuradhapura District and 3 Contract Packages in Polonnaruwa District. In accordance with the agreement, ADB provides \$200.00 Million with \$83.00 Million counterpart of Sri Lanka and total amount is \$283.00 Million.

10. As per the road categorization, around 560.61km of PS roads, 636.16km of PRDA/PRDD roads and 4.53km of RDA roads are included in this program for rehabilitation. The total length is 1201.30Km. The construction activities have to be completed within 24 months by Contractors and completed roads should be maintained by them for 36 months which is called PBM period. The project mainly focuses on the rehabilitation of existing carriageways to suit all weather conditions. The improvements will be done within the available corridor of the candidate roads.

11. The selection of rural roads for rehabilitation has been based on the concept of community participation in development and the avoidance of any land acquisition and involuntary resettlement (IR). Only Land Donation is implementing if it is needed.

12. The investment program is based on ADB's Multi-Tranche Financing Facility (MFF) which comprises a series of loans for rural routes improvement in a number of districts and will involve two types of contract modalities. Conventional Roads Contracts (CRCs) and Road Management Contracts (RMCs).

### **1.1: The Conventional Roads Contracts (CRC):**

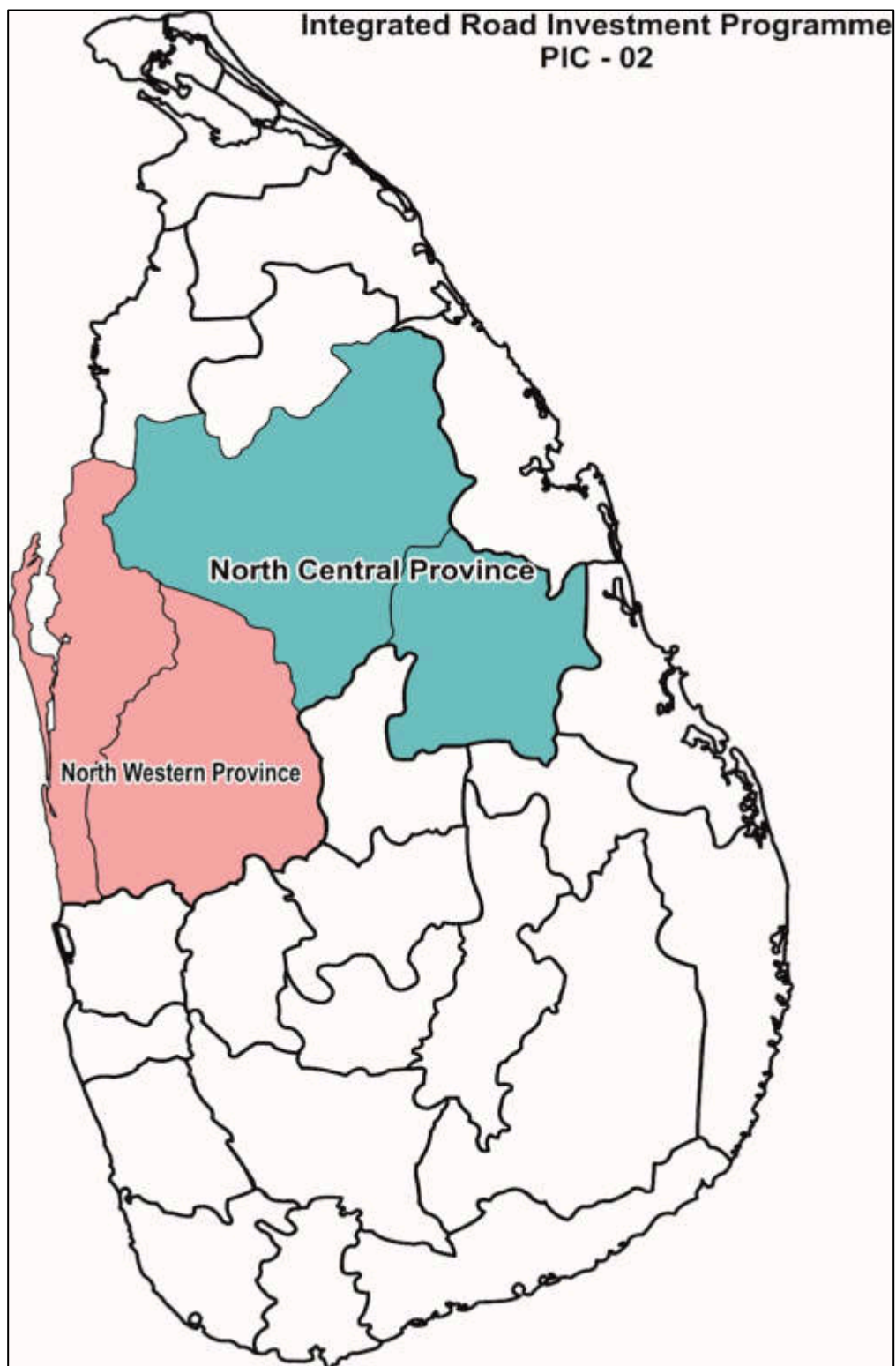
13. The iROAD Project will upgrade and improve approximately 1201 km of rural access road in the North Western and North Central provinces to all weather standards supporting connectivity between rural communities and socioeconomic centres in Sri Lanka. The roads under the contract packages are isolated lengths of roads dispersed across the North Western Province and North Central Provinces.

14. The PIC Consultant will provide construction supervision services for fifteen\* (15) CRCs in Anuradhapura, Polonnaruwa, Puttalam and Kurunegala, composed of approximately 1201 km of provincial and rural roads as per the tables below. Initial construction is to be completed over the first 2 years followed by a 3-year Performance-Based Maintenance period.

15. \*Out of the 15 CRC's, 10 CRC's have been completed and the other 5 have been terminated, retendered and awarded by the Employer. Retendered CRCs are being implemented and progressing.

### **1.2: Road Management Contracts (RMC):**

16. These contracts are based on simple Bidding documents developed by the World Bank for Output and Performance-Based Road contracts. Within each package, a significant portion will require rehabilitation in the first 1-2 years with the remainder possibly requiring periodic surfacing throughout the contract period (7 years in total). Routine maintenance of the entire length throughout the contract period is part of the work.



**Figure 01: Provincial Locations**



### 1.3: Contract Package Summary

**Table 01: Information on the five (5) CRCs in Kurunegala District – Original contracts**

Package No		KU 01	KU 02	KU 03	KU 04	KU 05
<b>Contractor</b>		MAGA Engineering PLC	KDAW-BMG JV	Ranken	VVK Construction	Ranken
<b>Accepted Contract Amount (LKR)</b>		2,005,790,082.72	2,124,166,266.00	1,976,721,917.95	2,091,174,540.00	1,996,560,050.43
<b>Cost to completion as at December 2018 (LKR)</b>		1,855,195,883.81	2,074,315,299.90	1,970,612,536.58	1,917,632,534.62	1,929,219,115.56
<b>VAT/(millions)</b>		-	-	-	Minus 51.6	-
<b>SAC/(LKR)</b>		1,817,085,330.92	2,123,959,956.99	-	-	-
<b>Claims</b>	<b>Input Ind./(LKR)</b>	63,837,316.56	41,079,744.07	-	-	-
	<b>Others/(LKR)</b>	117,808,656.80	116,825,050.63	-	-	-
<b>New VOs/(LKR)</b>		256,882,455.15	117,432,785.85	-	-	-
<b>PBM/(LKR)</b>		24,500,141.00	7,696,942.50	-	-	-
<b>Total/(LKR)</b>		2,280,113,900.43	2,406,994,480.04	-	-	-
<b>Employer's claim</b>		-	-	-	1,564,895,062.88	-
<b>Commencement Date</b>		01/08/2016	01/08/2016	01/08/2016	01/08/2016	01/08/2016
<b>Completion Date with EOT-1</b>		31/01/2019	29/03/2019	23/07/2019	30/09/2019	30/07/2019
<b>Completion Date with EOT-2</b>		N/A	08/05/2019	Contract has been awarded to the new contractor, and the new completion date is 13 <sup>th</sup> October 2021	Contract has been terminated and to be Retendered.	Contract has been awarded to the new contractor and the new completion date is 18 <sup>th</sup> October 2021
<b>Completion Date with EOT-3</b>		N/A	15/09/2019			
<b>Road Length and number of Roads (km)/(Nos.)</b>		83.29/16	100.47/19	89.88/12	106.02/12	99.85/17
<b>Status of Completion</b>		100% completed and PBM in progress	100% completed and PBM in progress	47.69% completed, remaining roadwork has been handed over to new contractor	55.44% completed, remaining roadwork has been handed over to new contractor	37.23% completed, remaining roadwork has been handed over to new contractor

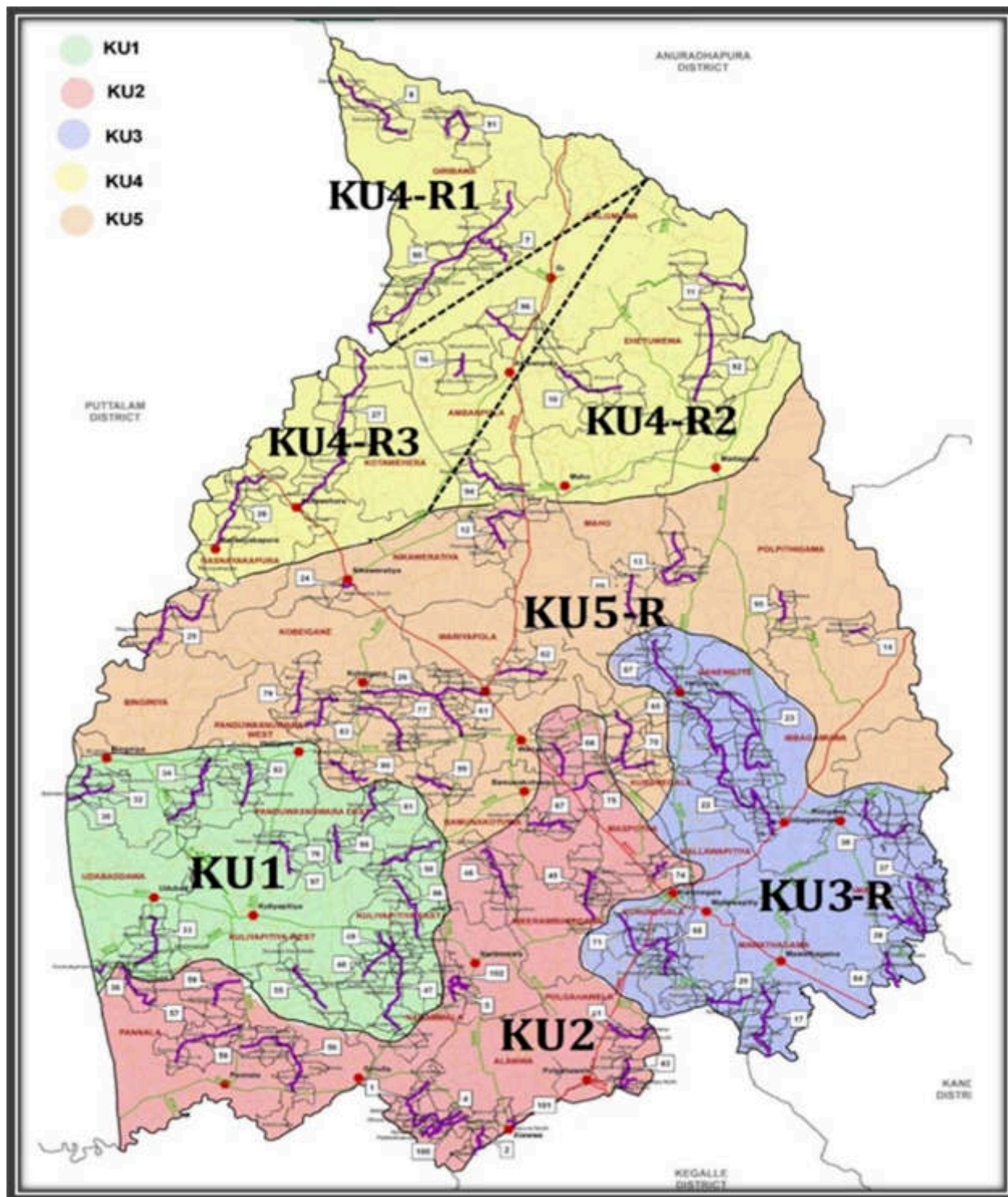


Figure 02: Locations of 479.47 km of road (76 Nos.) in the Kurunegala District

#### 1.4: CRCs in Kurunegala District – Rebid Contracts (Phase I)

- KU 03 and KU 05 contracts have been terminated, retendered and awarded. The contracts have been renamed as KU 03-R and KU 05-R. Details as follows.

Package	Name of the Bidder	Evaluated Bid Price (including Contingency and excluding VAT)
KU 03-R	R. R. Construction (Pvt.) Ltd.	2,165,263,498.51
KU 05-R	Finite Lanka (Pvt.) Ltd.	2,296,136,981.33

#### 1.5: CRCs in Kurunegala District – Rebid Contracts (Phase II)

- KU 04 contract has been terminated, retendered and awarded. This package has been divided into three packages and renamed as KU 04-R1, KU 04-R2 and KU 04-R3. Details as follows.

CONTRACT PACKAGE	Name of the Bidder	Evaluated bid price (Including Contingency and excluding VAT) (LKR)
KU 04-R1	Business Promoters and Partners Engineering (Pvt.) Ltd.	942,016,563.72
KU 04-R2	Anura Wijenayaka & Co. (Pvt) Ltd.	647,515,489.20
KU 04-R3	International Construction Consortium (Pvt.) Ltd.	965,856,373.20

#### 1.6: CRCs in Puttalam District – Original Contracts

**Table 02: The three (3) CRCs in Puttalam District**

Package No	PU 01	PU 02	PU 03
Contractor	Ranken	VVK Construction	VVK Construction
Accepted Contract Amount (LKR)	1,706,320,523.61	1,463,917,284.00	1,210,355,904.00

Package No		PU 01	PU 02	PU 03
Cost to completion as at December 2018 (LKR)		1,528,656,836.02	1,303,639,714.35	850,961,270.16
VAT/(millions)		-	Minus 23.8	Minus 7.8
SAC/(LKR)		1,402,993,523.01	-	-
Claims	Input Ind./(LKR)	-	-	-
	Others/(LKR)	47,079,997.80	-	-
New VOs/(LKR)		-	-	-
PBM/(LKR)		10,809,018.00	-	-
Total/(LKR)		1,460,882,538.81	-	-
Employer's claim		-	1,036,523,760.69	511,522,179.59
Commencement Date		01/08/2016	01/08/2016	01/08/2016
Completion Date with EOT-1		30/04/2019	30/09/2019	31/01/2019
Completion Date with EOT-2		27/07/2019	-	-
Completion Date with EOT-3		29/10/2019	Contract has been Terminated.	Contract has been Terminated.
Completion Date with EOT-4		15/11/2019		
Completion Date with EOT-5		28/02/2020		
Road Length & Number of Roads (km)/(nos.)		90.56/11	74.09/11	48.37/15
Status of Completion		100% completed	40.58% completed, remaining roadwork has been handed over to new contractor	60.0% completed, remaining roadwork has been handed over to new contractor
Remarks		-	-	-



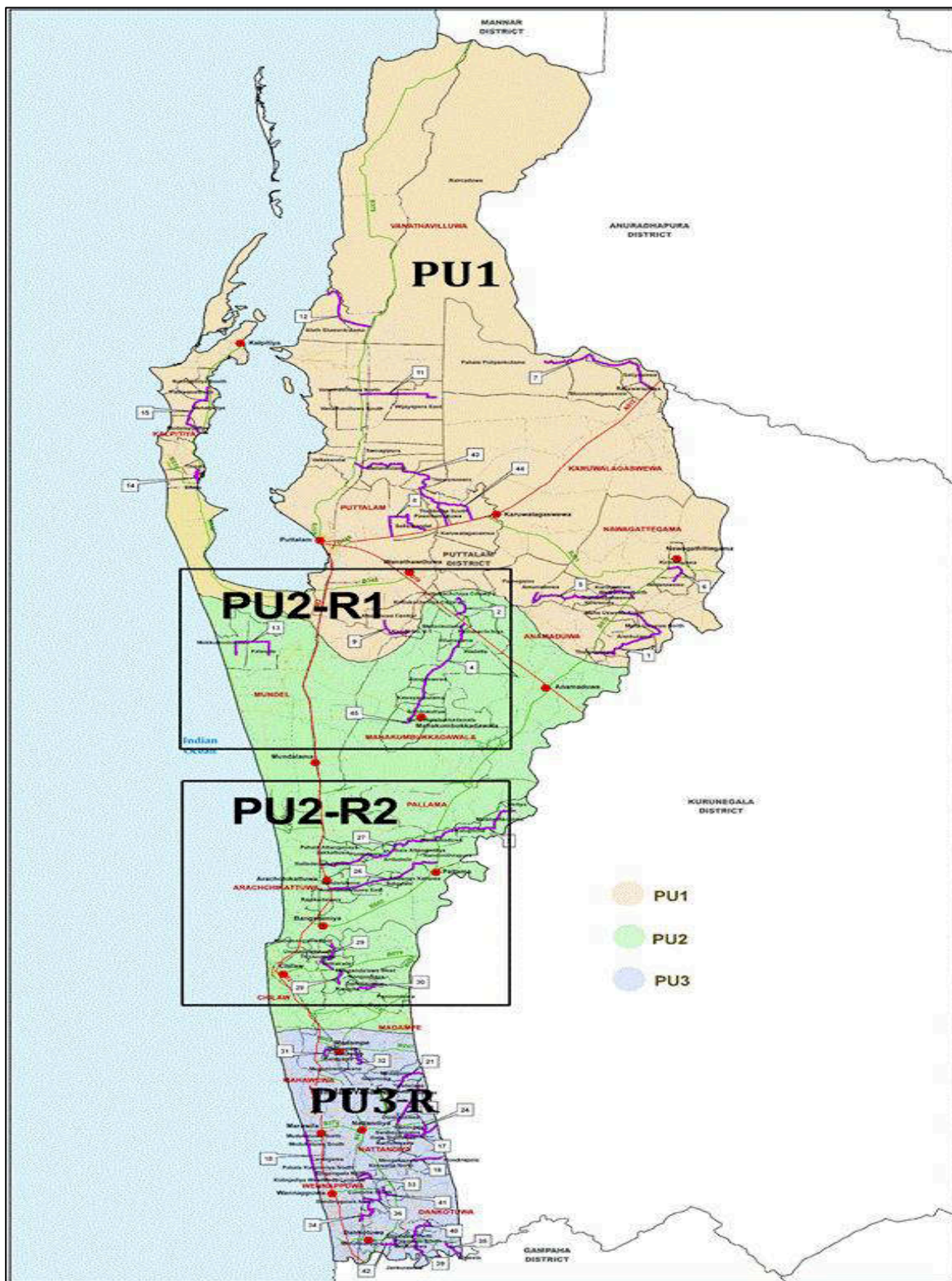


Figure 03: Locations of 213.02 km (37 Nos.) roads in Puttalam District

### 1.7: CRCs in Puttalam District – Rebid Contracts (Phase I)

There were no retendered contracts in Puttalam District in Phase I

### 1.8: CRCs in Puttalam District – Rebid Contracts (Phase II)

- PU 02 - contract has been terminated, retendered and awarded. This package has been divided in to two packages and renamed as PU 02-R1 and PU 02-R2
- PU 03 - contract has been terminated, retendered and awarded. This package has been renamed as PU 03-R. Details in table below.

**Table 03: Awarded contracts of PU 02-R and PU 03-R**

<b>CONTRACT PACKAGE</b>	<b>Name of the Bidder</b>	<b>Evaluated bid price (Including Contingency and excluding VAT) (LKR)</b>
PU 02-R1	Edward and Christie	933,253,206.00
PU 02-R2	Luxman Metal Crushers & Enterprises	788,986,587.00
PU 03-R	Consulting Engineers & Contractors (Pvt) Ltd.	896,648,172.00

### 1.9: CRCs in Anuradhapura District

**Table 04: The four (4) CRCs in Anuradhapura District**

<b>Package No.</b>	<b>AP 01</b>	<b>AP 02</b>	<b>AP 03</b>	<b>AP 04</b>
<b>Contractor</b>	MAGA Engineering PLC.	MAGA Engineering PLC.	MAGA Engineering PLC.	MAGA Engineering PLC.
<b>Accepted Contract Amount (LKR)</b>	1,656,915,760.00	1,824,178,003.20	1,492,772,165.28	1,635,133,956.00
<b>Cost to completion as at December 2018 (LKR)</b>	1,472,422,749.36	1,598,474,135.99	1,584,486,896.22	1,430,172,199.47

Package No.		AP 01	AP 02	AP 03	AP 04
VAT/(millions)					
SAC/(LKR)		1,498,442,739.17	1,489,035,119.98	1,585,642,358.44	1,409,094,543.63
Claims	Input Ind./(LKR)	49,589,627.45	72,813,221.32	50,474,290.42	48,418,245.88
	Others/(LKR)	104,796,553.76	71,704,646.40	132,105,391.08	90,527,605.42
New VOs/(LKR)		-	-	-	800,078.74
PBM/(LKR)		21,439,896.00	19,890,024.00	21,698,208.00	20,025,244.19
Total/(LKR)		1,674,268,816.38	1,653,443,011.70	1,789,920,247.94	1,568,065,639.12
Employer's claim		-	-	-	-
Commencement Date		01/08/2016	01/08/2016	01/08/2016	01/08/2016
Completion Date with EOT-1		31/01/2019	31/01/2019	31/01/2019	31/01/2019
Completion Date with EOT-2		30/04/2019	N/A	30/04/2019	N/A
Road Length and Number of Roads (km)/(nos.)		85.39/17	76.85/12	82.66/12	90.20/19
Status of Completion		100% completed, PBM in progress	100% completed, PBM in progress	100% completed, PBM in progress	100% completed, PBM in progress
Remarks		-	-	-	VO for recertification work in Siyabalawewa Tank Bund

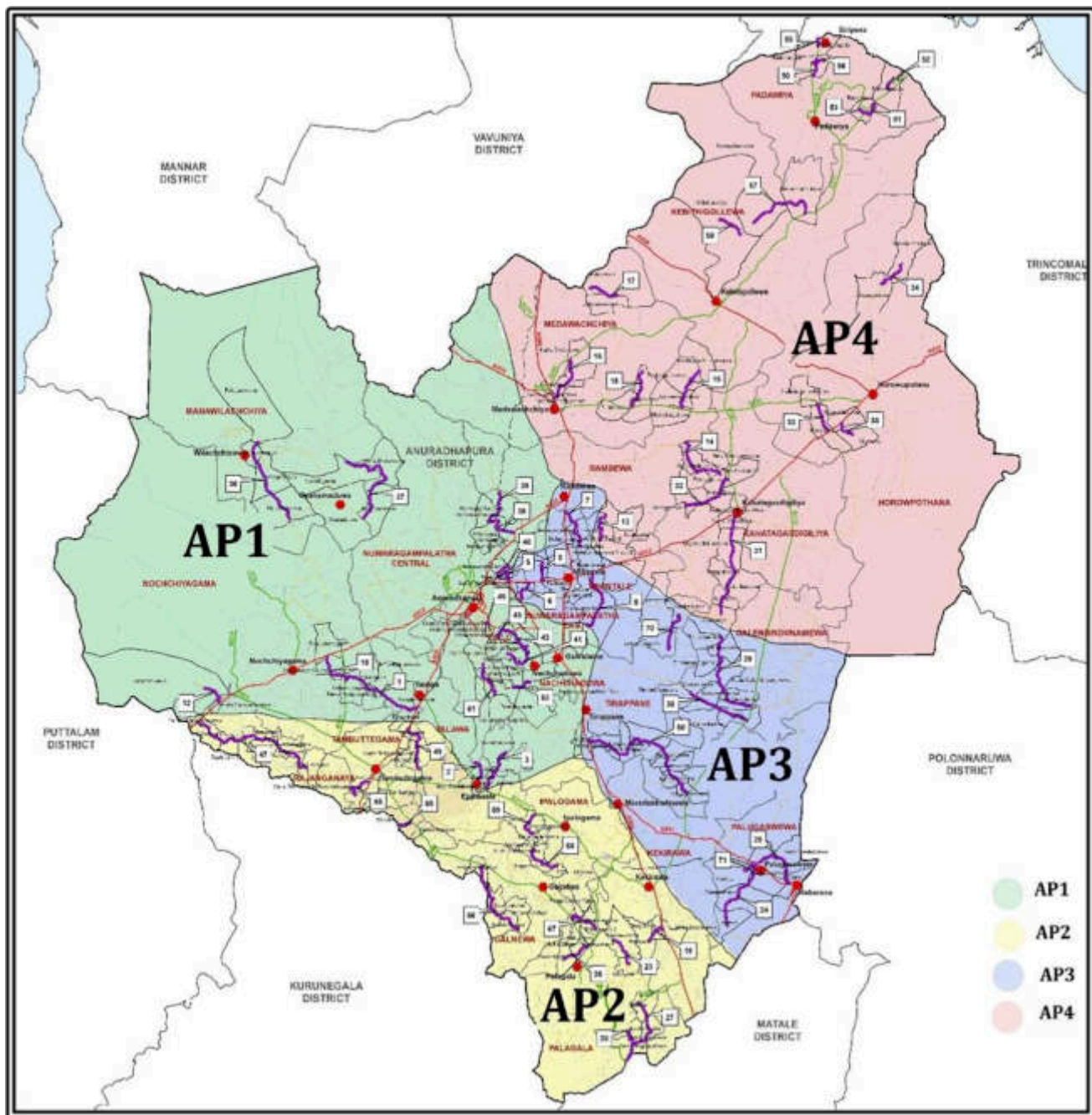


Figure 04: Locations of 335.10 km of roads (60 Nos.) in the Anuradhapura District



## 1.10: CRCs in Polonnaruwa District

**Table 05: The three (3) CRCs in the Polonnaruwa District**

Package No		PO 01	PO 02	PO 03
Contractor		MAGA Engineering PLC	MAGA Engineering PLC	Tissa – AMSK Construction
Accepted Contract Amount (LKR)		1,158,532,987.42	1,483,692,044.52	1,249,343,460.00
Cost to completion as at December 2018 (LKR)		1,028,656,368.99	1,297,776,614.35	1,137,136,439.78
VAT/(millions)				
SAC/(LKR)		936,219,653.61	1,241,734,881.48	1,038,697,834.93
Claims	Input Ind./(LKR)	39,178,448.91	74,622,270.93	27,420,628.79
	Others/(LKR)	40,094,771.96	130,162,872.06	57,071,047.94
New VO's/(LKR)				
PBM/(LKR)		12,915,600.00	19,115,088.00	10,565,500.00
Total/(LKR)		1,028,408,474.48	1,465,635,112.47	1,133,755,011.66
Employer's claim		-	-	-
Commencement Date		01/08/2016	01/08/2016	01/08/2016
EOT Period		63 Days	145 Days	92 Days
New Completion Date with EOT		02/10/2018	23/12/2018	31/10/2018
Road Length and Number of Roads [km]/[Nos]		50.76/18	73.36/25	49.55/11
Status of Completion		100% completed, PBM in progress	100% completed, PBM in progress	100% completed, PBM in progress
Remarks		-	-	-

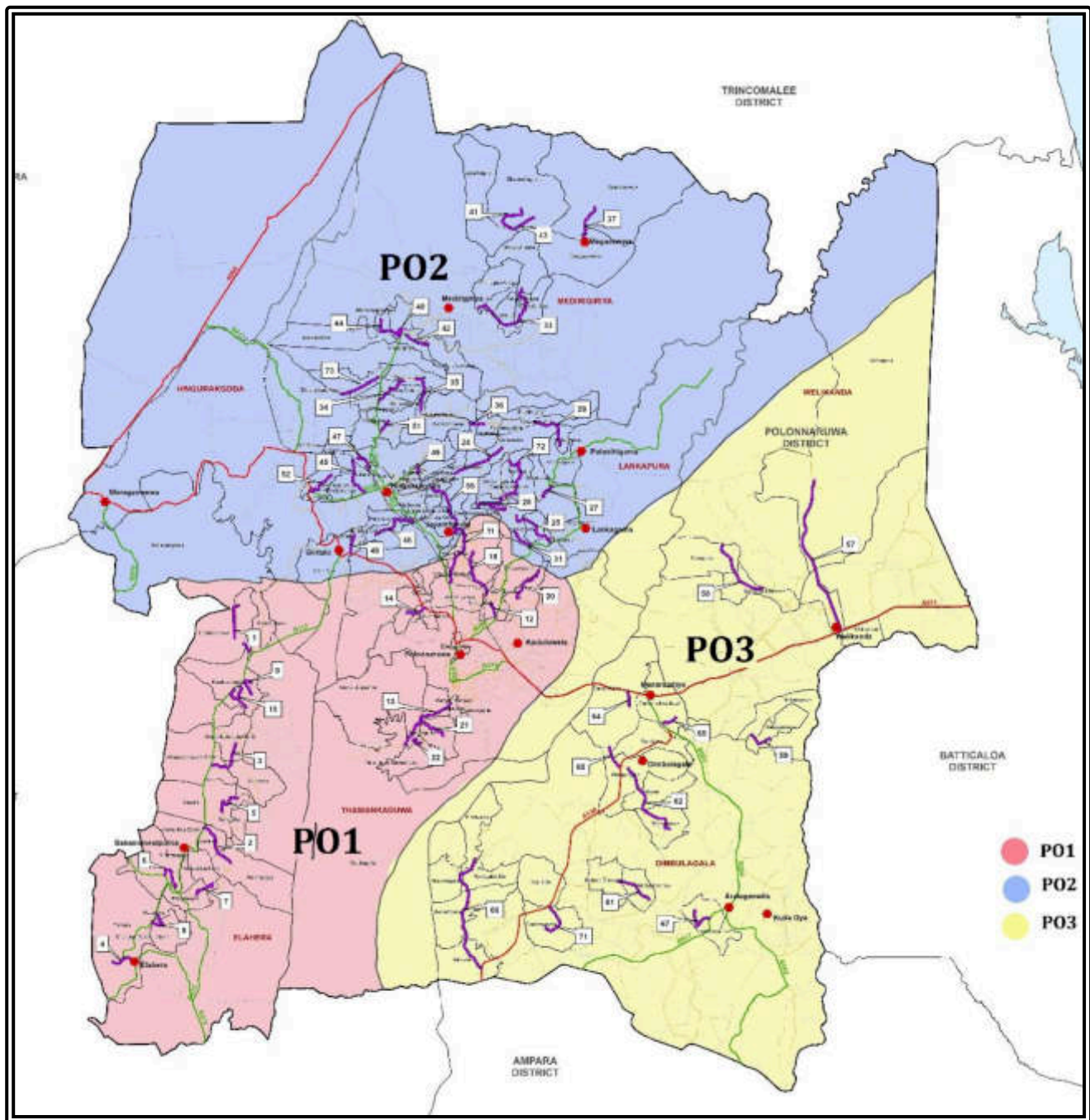


Figure 05: Locations of 173.67 km of roads (54 Nos.) in Polonnaruwa District

### **1.11: Staffing setup (PIU/PIC/Contractor) with respect to Environmental Safeguards**

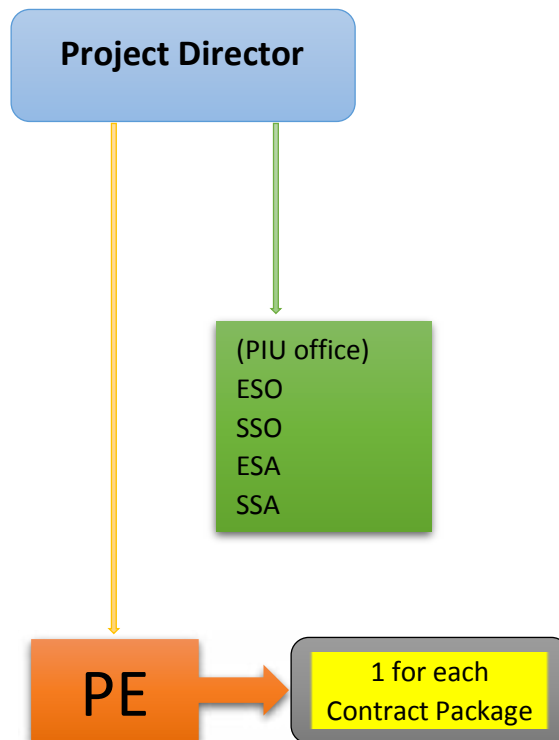
17. This PIC 02 of iRoad Program I covers 227 roads in two provinces named North Western and North Central Provinces with two Project Implementation Units (PIUs) of two provinces. Hence PIC 02 has to work with 15 Contract Packages. During past period of 41 months, full effort was taken by all parties to recruit Environmental and Social Safeguards Officer (ESSO), District Social and Environmental Safeguards Assistants (DSESAs) and other officers to implement and monitor the environment safeguards component. But on the 01<sup>st</sup> of October 2019, the staffing setup changed because some of the terminated packages were re-tendered and the staff has been reduced according to the requirement.

#### **1.11.1: PIU Staff**

18. At the outset of the program, two PIUs recruited two Environmental Safeguards Officers (one for each province) for Environmental management. In addition, two Environmental Safeguards Assistants were recruited. They monitor the project at the level of Project Director's Office. They were looking after the Environmental related safeguards activities at PIU level. The Environment Safeguards Assistant recruited for NCP resigned in the year 2017. As well as, the Environment Safeguards Officer (ESO) of NCP resigned in December 2017. However, 2 required officers were recruited for NCP in 2018. Then the ESO of NCP resigned in the end of November 2018 and the ESA resigned in the end of September 2019.

19. At the Contract Package level, Project Engineers (PEs) have been appointed by PIU to manage the engineering activities including Environmental and Social Safeguards requirements. The Project Director directs these officers to manage the Environmental safeguards activities in their own provinces by coordinating with the people and the line agencies.

**Chart 01: PIU Staff (Environmental Related) as per the Project requirement**



#### **1.11.2: PIC Staff**

20. The PIC 02 was established from 15<sup>th</sup> of March 2016 with Pyunghwa Engineering Consultants Ltd. (PEC) and Resources Development Consultants (RDC). An Environmental Specialist (ES) is available from the outset of the PIC 02. In addition, a Social Gender Resettlement Specialist (SGRS) has been appointed from the beginning. ES covers many activities related to Environmental Safeguards in accordance with the contractual guidelines by complying with ADB guidelines, Environmental Safeguards Policy (2009) and relevant existing Rules and Regulations of Sri Lanka according to the Environmental Assessment and Review Framework. EARF is a contractual document which is considered as a loan covenant. These two specialists look after two provinces entirely while Engineer/Team Leader leads and guides the Environmental activities in two provinces. Four Residence Engineers have been appointed as one per each district to monitor the Environmental activities in their respective district. Depending on the scope of the district, 2 Assistant Resident Engineers (AREs) were appointed for Kurunegala district (NWP) and two for Anuradhapura district (NCP). One Assistant Resident Engineer has been appointed for

Puttalam district and another one for Polonnaruwa district. The Environmental safeguards monitoring is a major role of their duty. To assist the ES and SGRS, an ESSO has been appointed in 2017. Due to experience in the past, 4 DSESAs were recruited for 4 Districts. Besides, the PIC has appointed 15 Construction Engineers for all 15 Contract packages and two Technical Officers for each Contract package. They are responsible for the monitoring of Environmental safeguards at Contract package level.

21. But in the end of August 2019, the Team Leader, Contract & Claims Specialist, Environmental Specialist, Rural Road Design Engineer and most of the staff's contractual periods have been over and staff rearrangement was occurred. Therefore, according to the Environment section, the ESSO was recruited directly through Consultancy firm which is Resource Development Consultants (Pvt.) Ltd. as an Officer level. Then ESSO is the responsible person and has to cover the Environment compliance. In addition, DSESA of Polonnaruwa and DSESA of Anuradhapura were resigned in the end of the February and end of the June 2019 due to completion of civil works of each District. DSESA of Puttalam was resigned in the end of 2019 and DSESA of Kurunegala assignment period was over in the end of February 2020. Moreover, SGRS was resigned on 10<sup>th</sup> of July 2020 and the position was rearranged as an Officer level same as ESSO. Hence, the new SGRO (Social Gender Resettlement Officer) was appointed on 11<sup>th</sup> of July 2020. ***But again, a DSESA for the Puttalam District was appointed on 01<sup>st</sup> of February 2021 due the expansion of the project area after the retendered packages commencement.***

**Chart 02: PIC Staff (Environmental Related) – Before the End of August 2019**

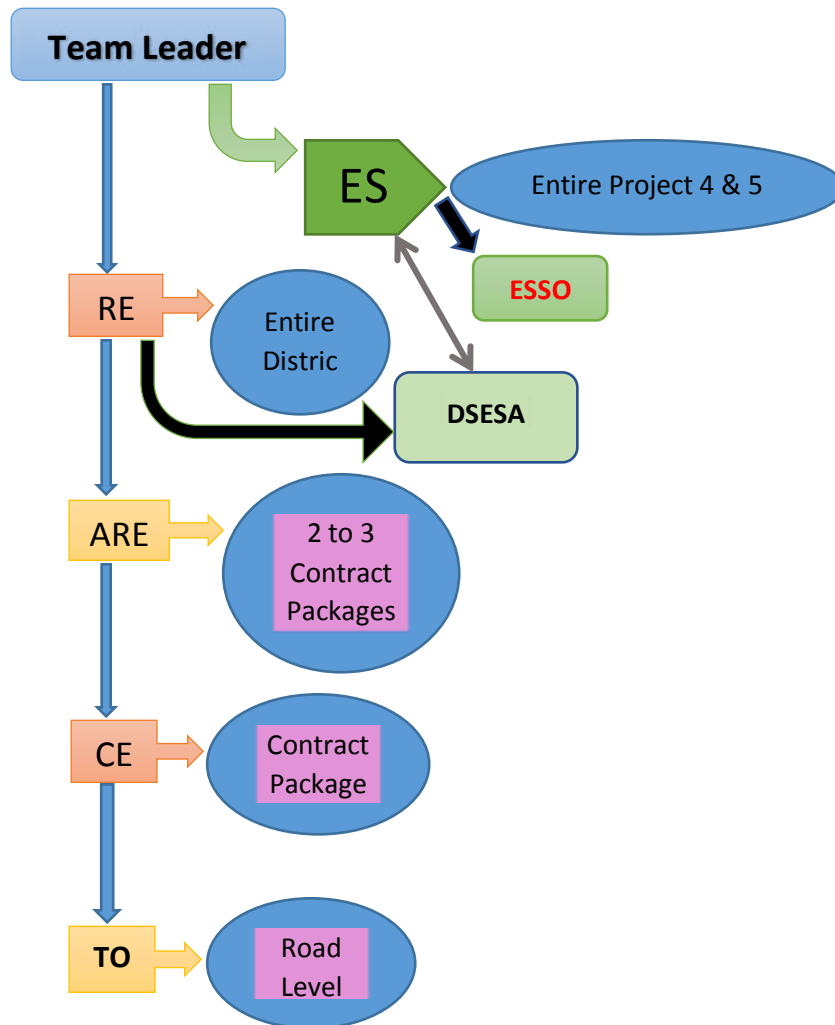
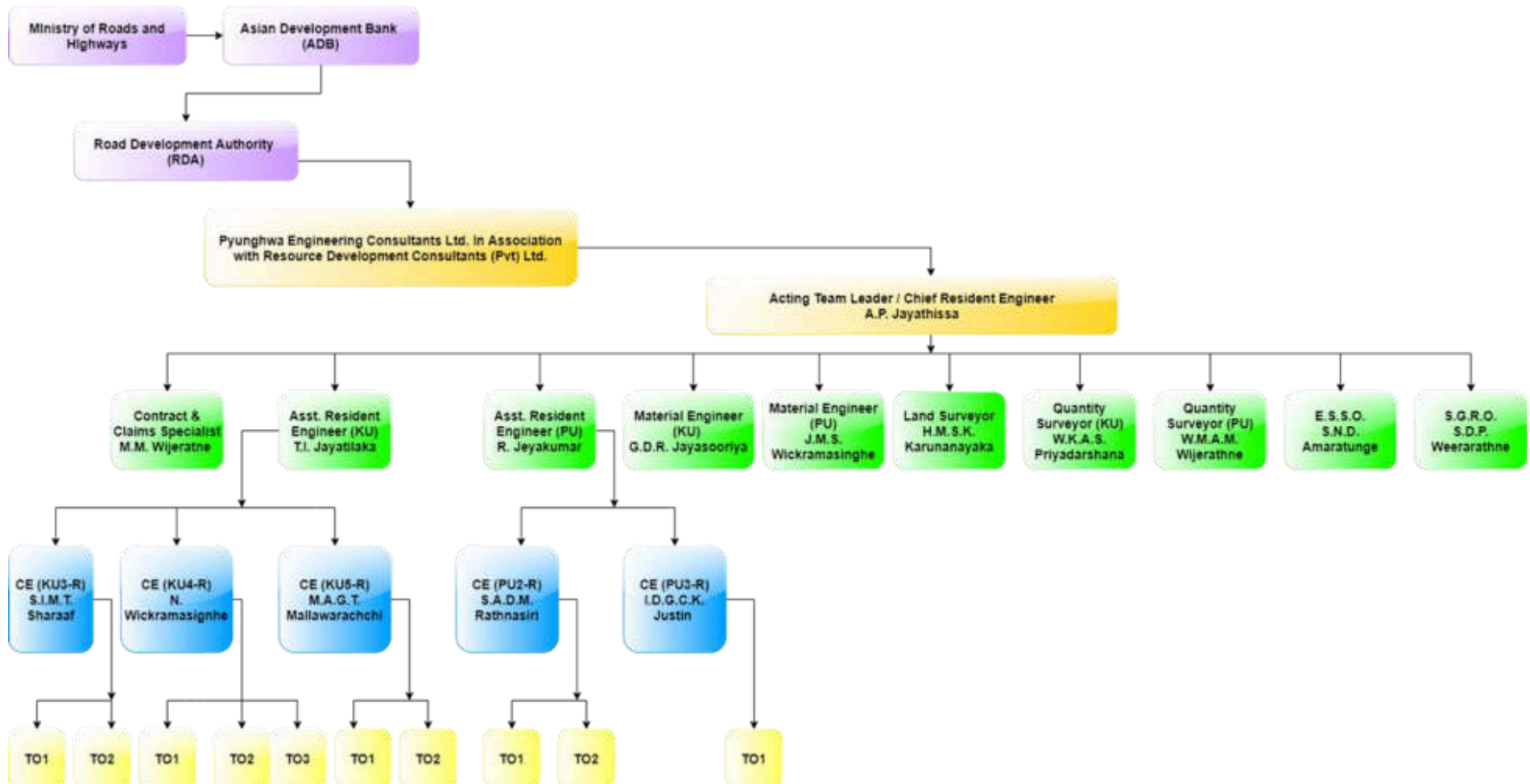


Chart 03: Organization Chart of PIC 02



**Table 06: Local Staff Mobilization**

S/N	Position	Name	Date of mobilization	Date of Demobilization
001	Chief Resident Engineer	A. P. Jayathissa	02/09/2019	Working
002	Contract and Claims Specialist	M.M. Wijeratne	16/09/2021	Working
003	Contract and Claims Specialist	G. Wettewa	09/03/2021	18/08/2021
004	Assistant Resident Engineer - Kurunegala	T. I. Jayatilaka	01/08/2016	Working
005	Assistant Resident Engineer - Puttalam	R. Jeyakumar	26/01/2021	Working
006	Materials Engineer - Kurunegala	G. D. R. Jayasooriya	01/02/2021	Working
007	Jr. Material Engineer - Puttalam	J. M. S. Wickramasinghe	21/12/2020	Working
008	Quantity Surveyor - Kurunegala	W. K. A. S. Priyadarshana	02/08/2016	Working
009	Quantity Surveyor - Puttalam	W. M. A. M. Wijerathne	26/01/2021	Working
010	Land Surveyor – KU & PU	H. M. S. K. Karunanayake	01/03/2021	Working
011	Social/ Gender/ Resettlement Officer	S. D. P. Weerathne	11/07/2020	Working
012	Environmental & Social Safeguards Officer	S. N. D. Amaratunge	21/02/2017	Working
013	Construction Engineer – KU3-R, PU3-R	I. D. G. C. K. Justin	15/12/2020	Working
014	Construction Engineer – KU4-R	N. S. Wickramasinghe	01/01/2021	Working
015	Construction Engineer – KU2, KU4, KU5-R	M. A. G. T. Mallawaarachchi	01/10/2016	Working
016	Construction Engineer - PU2-R	S. A. D. M. Rathnasiri	01/01/2021	Working
017	Construction Engineer - PU3-R, KU3-R	S. I. M. T. Sharaaf	15/12/2020	Working



S/N	Position	Name	Date of mobilization	Date of Demobilization
018	Technical Officer – KU5R	D. N. M. Walawwaththa	15/09/2021	Working
019	Technical Officer – KU4, KU5R	S. M. C. J. Siriwardane	01/10/2016	21/08/2021
020	Technical Officer - KU4-R1	H. B. B. Udayakumara	01/01/2021	Working
021	Technical Officer - KU4-R2	E. D. S. C. Wijerathna	16/12/2020	Working
022	Technical Officer - KU4-R3	P. S. Madushanka Kumara	01/03/2021	Working
023	Technical Officer - PU2-R2	H. M. K. K. Senavirathne	18/01/2021	Working
024	Technical Officer - PU2-R1	G. W. W. S. B. Ginthota	21/12/2020	Working
025	Technical Officer - PU3-R	W. R. R. P. K. Wimaladharma	01/02/2021	Working
026	Technical Officer –PU2, KU5-R	H. M. A. I. Herath	12/01/2016	Working
027	Technical Officer –PU3, KU3-R	K. A. R. Wasantha Kumara	10/10/2016	Working
028	Technical Officer - KU3-R	H. B. S. Haputhanthri	01/07/2020	Working
029	Materials Engineer - Polonnaruwa	J. L. A. Jayawardana	15/05/2017	31/12/2018
030	Land Surveyor - Polonnaruwa	T. Suresh Kumara	08/08/2016	31/12/2018
031	Construction Engineer - AP4	K. A. D. C. Sampath	19/09/2016	31/12/2018
032	Construction Engineer - PO1	K. V. D. K. C. Kumarasinghe	01/09/2016	31/12/2018
033	Construction Engineer - PO2	S. A. D. M. Rathnasiri	27/03/2017	31/12/2018
034	Construction Engineer - PO3	T. Jayadev	01/08/2018	31/12/2018
035	Technical Officer - AP4	B. Saktheikumar	18/08/2016	31/12/2018
036	Technical Officer - PO1	K. H. G. D. Thushara	19/09/2016	31/12/2018
037	Technical Officer - PO3	K. Moheswaran	13/08/2016	31/12/2018
038	Technical Officer - PO3	G. Thiparathan	05/09/2016	31/12/2018
039	Technical Officer – KU2	H. M. S. K. Herath	13/08/2016	31/10/2019
040	Resident Engineer - Anuradhapura	A. P. Jayathissa	15/03/2016	31/08/2019
041	Assistant Resident Engineer - Kurunegala	N. R. Dissanayake	29/08/2016	31/08/2019
042	Assistant Resident Engineer - Anuradhapura	K. R. S. Kahatapitiya	01/08/2016	31/08/2019
043	Contracts and Claims Specialist	V. Nallathamby	17/01/2017	31/08/2019

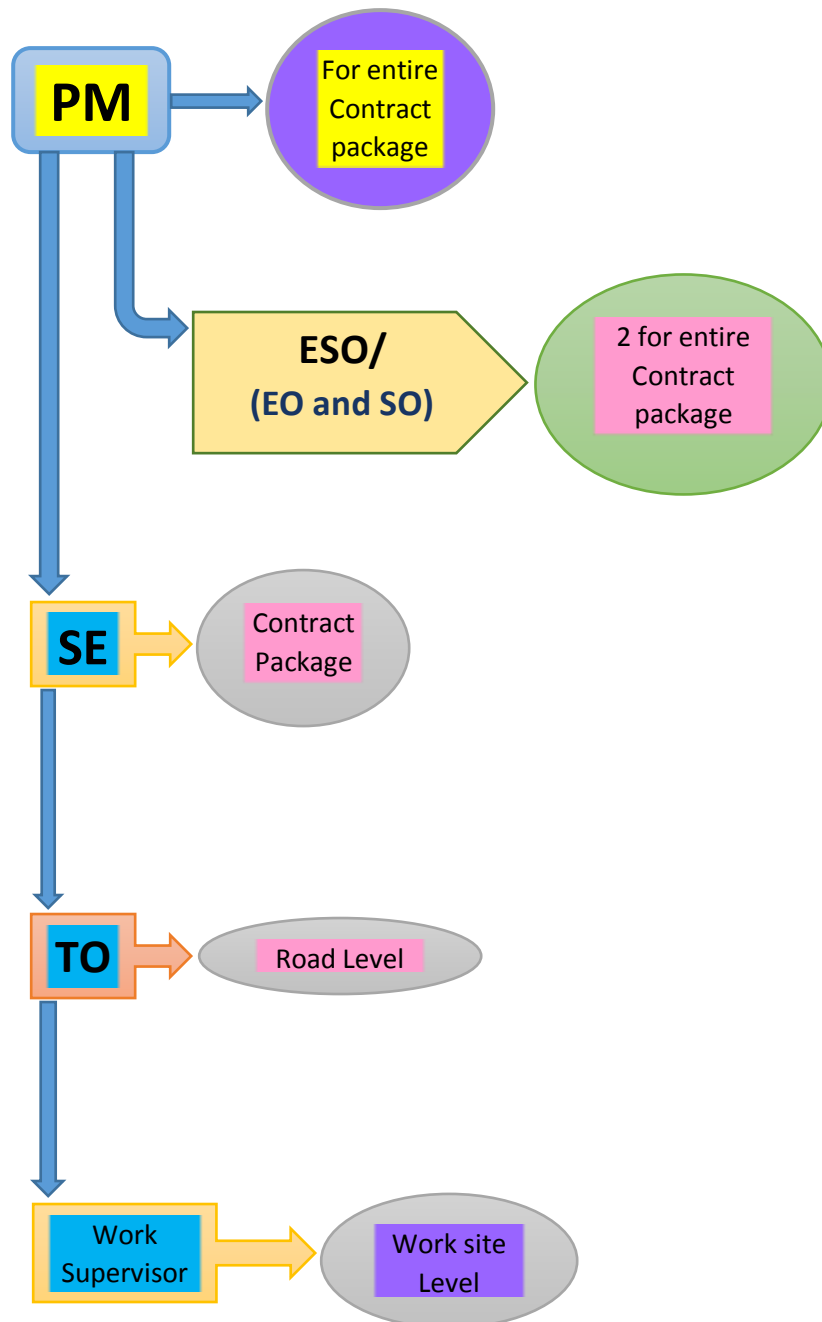
S/N	Position	Name	Date of mobilization	Date of Demobilization
044	Rural Road Design and Safety Engineer - 2	P. M. M. Vipulaguna	06/11/2017	31/08/2018
045	Technical Officer - KU3	P. H. R. Kumara	03/08/2016	31/05/2019
046	Land Surveyor - Kurunegala	H. H. H. Gunaratna	22/05/2020	31/01/2021
047	Land Surveyor - Anuradhapura	R. Pratheepan	17/04/2017	31/01/2019
048	Construction Engineer - PU1	A. C. M. Imthiyas	11/01/2016	31/01/2019
049	Construction Engineer - AP1	R. P. P. Anuradha	29/08/2016	31/01/2019
050	Construction Engineer - AP2	S. Yasokumar	01/09/2016	31/01/2019
051	Technical Officer - KU3	W. A. M. Kumarapala	09/08/2016	31/01/2019
052	Technical Officer - KU5	H. B. T. Bandara	06/09/2016	31/01/2019
053	Technical Officer - PU2	W. M. S. Wijesundara	19/09/2017	31/01/2019
054	Technical Officer - PO2	G. Kirupaharan	29/08/2016	31/01/2019
055	Technical Officer - PO2	K. G. A. I. Chandrasena	12/09/2016	31/01/2019
056	Technical Officer - PO1	J. M. C. S. Jayawardana	22/08/2016	30/11/2018
057	Rural Road Design and Safety Engineer - 1	S. H. Damith	17/04/2017	30/09/2019
058	Resident Engineer - TL's office	T. Jothivel	02/07/2018	30/09/2019
059	Environmental Specialist	A. H. M. R. Abeyrathne	15/03/2016	30/09/2019
060	Land Surveyor – Puttalam	R. Pratheepan	09/04/2019	30/09/2019
061	Construction Engineer - KU3	D. S. Navarathne	10/10/2016	30/09/2019
062	Technical Officer - KU4	R. G. D. N. Bandara	13/06/2017	30/09/2019
063	Quantity Surveyor - Puttalam	D. M. Athulathmudali	21/03/2018	30/06/2020
064	Technical Officer – PU1, KU3-R	W. P. P. Rangajeewa	15/02/2017	30/06/2020
065	Assistant Resident Engineer - Anuradhapura	A. M. Rafy	22/08/2016	30/06/2019
066	Resident Engineer - Puttalam/Kurunegala	M. W. D. C. Gunaratne	23/01/2017	30/04/2020
067	Construction Engineer - PU3	S. B. P. B. M. P. G. Mittra Bandara	21/12/2017	30/04/2019
068	Technical Officer - AP1	A. S. Jayathilaka	15/09/2016	30/04/2019
069	Technical Officer - AP2	H. B. S. Haputhanthri	29/08/2016	30/04/2019
070	Technical Officer - AP2	H. B. B. Udayakumara	22/08/2016	30/04/2019
071	Technical Officer - AP3	D. K. Liyanarachchi	01/09/2016	30/04/2019
072	Materials Engineer - Anuradhapura	D. Vidyaharan	11/07/2016	30/03/2019

S/N	Position	Name	Date of mobilization	Date of Demobilization
073	Construction Engineer - KU1	M. V. Thisara Udayanga	02/03/2018	30/03/2019
074	Construction Engineer - AP3	W. N. I. Fernando	4/10/2018	30/03/2019
075	Technical Officer - KU5	I. H. M. N. C. Herath	01/09/2016	30/03/2019
076	Technical Officer - AP1	Baratheenathan Ajanthan	15/02/2018	30/03/2019
077	Technical Officer - AP3	W. M. N. Dassanayake	22/08/2016	30/03/2019
078	Technical Officer - AP4	D. M. S. N. Amarasekara	16/08/2016	30/03/2019
079	Resident Engineer - Kurunegala	W. G. Premadasa	01/11/2016	29/06/2019
080	Resident Engineer - Polonnaruwa	P. Sivarajah	11/07/2016	29/06/2019
081	Assistant Resident Engineer - Polonnaruwa	Eugene Barthelot	16/10/2017	29/06/2019
082	Construction Engineer - KU2	L. I. S. Perera	29/08/2016	28/02/2019
083	Construction Engineer - KU5	D. M. A. S. Dissanayake	02/09/2016	28/02/2019
084	Technical Officer - KU1	S. Vitosan	01/12/2016	28/02/2019
085	Technical Officer - KU2	B. P. K. Arambepola	09/08/2016	28/02/2019
086	Technical Officer - PU1	Y. Sri Weerasekara	11/ 7/2016	28/02/2019
087	Construction Engineer – KU3-R	T. M. M. Thennakoon	15/06/2020	23/11/2020
088	Structural Engineer	D. D. S. Jayathilaka	17/11/2016	17/05/2017
089	Materials Engineer - Kurunegala	I. G. R. C. Gunawardena	15/05/2016	15/11/2019
090	Assistant Resident Engineer - Puttalam	A. G. C. Amarasinghe	22/08/2016	15/10/2019
091	Quantity Surveyor - Anuradhapura	A. Mettananda	25/07/2016	15/10/2019
092	Technical Officer - PU1	W. Nishanka	09/01/2017	15/10/2019
093	Construction Engineer – PU2, KU3-R	W.G.T.M. De Silva	18/04/2018	15/06/2020
094	Claim & Office Engineer	R. Jeyakumar	01/06/2020	15/01/2021
095	Materials Engineer – Puttalam, Kurunegala	H. M. Wijerathna	01/08/2018	14/01/2021
096	Social/ Gender/ Resettlement Specialist	N. Maddugoda	22/06/2016	11/07/2020
097	Quantity Surveyor - Polonnaruwa	S. K. Subasinghe	05/09/2016	11/04/2019

### 1.11.3: Contractor's Staff

22. According to Clause 5 - Personnel under Supplementary Information of Volume 5B of the Contract Agreement, the Contractor obliges to recruit two Environmental and Social Officers (ESOs) for each package. But in practice, all the Contractors faced a big problem of finding out qualified persons as ESOs. On the other hand, it was evident that many of recruited ESOs have been resigned due to various reasons such as they have to work in the very difficult area for a low salary and less facilities. Therefore, the Contractors faced a big problem to recruit new ESOs again and again. **Annexure I** show the situation of this issue faced by Contractors. But in the end of year 2020, all the NCP packages and the PU 01 package civil works completed. Then ESOs of those packages were resigned according to their contract periods. But 8 packages were re-tendered and commenced the works in the middle of the February month and the middle of December month 2020 at NWP. Anyhow, altogether the new re-tendered two Contract packages at the beginning and six Contract packages at the end have been recruited qualified ESOs. Especially, according to the agreement, it was mentioned to appoint an Environmental Officer and a Social Officer separately for the final re-tendered six packages. But, depend on the difficulties to appoint proper qualified personals, decided to appoint as usual. As well as Project Managers/Contractors' Representatives have got the support of their Site Engineers, Technical Officers and Work Supervisors to implement the Environmental safeguards activities at site level.

Chart 04: Contractor's Staff (Environmental Related)



## 1.12: Purpose and Structure of the Project

23. The objective is to improve the transport infrastructure which hindered the spread of economic activities and the accessibility for basic health and educational resources in rural areas. Connectivity between rural communities and socio-economic centers will be expected by rehabilitating 1201.30 km of 227 roads in NWP and NCP.

**Under this program, following components are included.**

- 1. Road improvement component will design, improve and maintain 692.53 km in NWP and 508.77 km rural roads in NCP.**
- 2. Capacity development component will build the capacity of road agencies on road asset management, project management and contract administration.**

24. Transport sector development particularly in rural areas is vital to the economic, social and environmental viability of nations as it essentially helps reduce acute poverty in rural geographies to a great extent.

## 2.0: Present Status of CRCs - North Western Province

### 2.1.0: CRCs in Kurunegala

#### 2.1.1: Contract KU1 - Contractor Maga Engineering PLC

- KU 01 Package has been completed successfully by January 2019 except PBM work. PBM work is in progress and nearing completion.
- The Contract Package KU 01 consists of 16 roads totalling 83.29 km and the accepted contract value is LKR 2,005,790,082.00. Please refer to the Table 01 for further details.

**Table 07(a): Contract KU 01- All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length/ km
1.	30	Talgahapitiya Junction to Walrawa Road	PRDD	5.50
2.	32	Kaduruwewa School to Wallawewa School Road	PRDD	2.45
3.	34	Meladeniya Junction Udawela Kakiriyamdiththa, Ganegoda to Ambawewa Road	PS	8.23

Serial No.	Road No.	Road Name	Road Category	Length/ km
4.	33	Karulla, Horathapola Kibulkotumulla via Paliyagara Road	PS	6.22
5.	36	Kumbukgahamulla Central College Mawatha	PS	1.57
6.	76	Kamburapola Junction to Pahalagamuwa, Nindawela Road	PS	4.50
7.	97	Hidiyamulla Junction to Guruthippala Junction	PRDD	4.03
8.	82	Nagollagoda, Ahetumulla, Higuregama Temple Road	PS	4.51
9.	81	Mawee Ela Junction to Thelibewa Temple via Ilukpitiya Junction	PS	7.50
10.	98	Magulagama Junction to Ambagahalanda Mohoththawagoda Junction	PS	4.13
11.	47	Bihalpola Muthugala Road	PRDD	10.30
12.	48	Ihalamuluthangala to Korale Junction Road	PRDD	3.78
13.	49	Nakkawattha, Temple Road, Kaballa Road	PS	2.20
14.	50	Katupotha, Dalupothagama, Thoranegedara, Kirimatiyawa Road	PRDD	6.62
15.	86	Horombawa Mawee Ela Road	PRDD	6.50
16.	55	Kosgahamulla Junction to Dambadeniya Road	PRDD	5.25
<b>Total</b>			<b>-</b>	<b>83.29</b>

25. The following roads (Table 06(a)) were handed over to the Chief Secretary North Western Provincial Council on the 2<sup>nd</sup> of November 2021 after successful completion of the Performance Based Maintenance, as notified by PD-NWP through letter no RDA/iROAD/PD-NWP/PBM/01-01/0007 on 04/11/2021.

**Table 07(b): Contract KU 01- Roads Handed Over to Original Custodian-PRDD/NWP**

S/N	Contract Package	Road ID	Name of the Road	Length/ km	Custodian of Road
01	KU 01	47	Bihalpola Muthugala Road	10.30	PRDD/NWP
02		48	Ihalamuluthangala to Korale Junction Road	3.80	
03		50	Katupotha-Dalupothagama-Thoranegedara-Kirimatiyawa Road	6.62	

S/N	Contract Package	Road ID	Name of the Road	Length/ km	Custodian of Road
04		55	Kosgahamula Junction to Dambadeniya Road	5.23	
05		86	Horombawa Mawee Ela Road	6.50	

### 2.1.2: Contract KU 02 - Contractor KDAW-BMG Joint Venture

- KU 02 Package has been completed successfully by August 2019 except PBM work. PBM work is in progress and nearly completion.
- The Contract Package KU 02 consists of 19 roads totalling 100.47 km and the accepted contract value is LKR 2,124,166,266.00. Please refer to the Table 01 for further details.

All the major road works were successfully completed by August 2019.

**Table 08: All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length / km
1.	56	Elabadagama, Bummanna, Kadirapola, Labbala via Negombo Kurunegala Road	PRDD	10.29
2.	57	Jayagama Kete Junction to Nabirittankadawara via Welipennagahamulla Road	PRDD	5.93
3.	58	Eliwila, Daraluwa via Yakwila Road	PRDD	7.54
4.	59	Nendalagamuwa Ayurweda Junction to Ninuwangamuwa Walakumburumulla Road	PS	4.84
5.	01	Boyawalana Nawathalawatta Wewwala School Road Across Habaralagasinna Madurupitiya Road	PRDD	12.43
6.	02	Paramulla to Morugama Across Bujjomuwa Road	PS	3.47
7.	04	6 Mile Post, Thumbulla Road	PS	2.55
8.	100	Hambuluwa Henahundeniya via Ambowa Wanathalawatta Hospital Road	PS	4.58
9.	101	Allawwa Horokgasdeniya Road	PS	0.99



Serial No.	Road No.	Road Name	Road Category	Length / km
10.	05	Dampelessa Dostarawaththa Across Welikumburawatta Road	PS	3.74
11.	102	Pahatha Medagoda Welikumburawatta Road	PS	3.17
12.	41	Hodalla, Polpitiya, Dambagolla, Kandahena Road	PRDD	2.01
			PS	3.88
13.	43	Panaliya Railway gate to Pillwatta Road	PRDD	5.00
14.	45	Piduruwella, Sandagala, Weherabanda Road	PRDD	5.76
15.	46	Pambe, Lokahettiya, Ranwala Gedara Road	PRDD	9.91
16.	74	Wewa Gedara Ranviru School to Klohogedara via Yanthampalawa Junction	PS	2.62
17.	75	Minhettiya Baddegama Kelimune Junction Road	PS	3.39
18.	67	Jarman Junction to Nawagatta Yatikadurawa, Ketapathwehera, Thembilipolagaha Junction	PS	4.72
19.	66	Mahakeliya Randeniya Junction to Randeniya, Wellagala Road	PS	3.65
<b>Total</b>			<b>-</b>	<b>100.47</b>

- EOT-2 up to 08<sup>th</sup> of May 2019 is approved by the Employer.
- EOT-3 up to 15<sup>th</sup> of September 2019 is approved by the Employer (Last EOT).

### **2.1.3: Contract KU 03 – Contractor Ranken Railway Construction Co. Ltd.**

26. The Contract Package KU 03 consists of 12 roads totalling 89.88 km and the accepted contract value is LKR 1,976,721,917.95. As of October 2018, they have abandoned the site and they have closed their site offices with only minor staff. From November 2018 onwards no staff is available on site and the contractor's site office is still closed. All the machineries from the site have been removed by the contractor without the consent of the Engineer or the Employer. The Engineer has recommended that the Client exercise their rights in issuing Sub Clause 15.2 – Termination Notice to the contractor.

27. This project has been TERMINATED through letter Ref. No.: RDA/ADB/iROAD/GEN dated 12.02.2019 and the effective date, by which the contractor has to vacate the site is on the 26<sup>th</sup> of Feb 2019.

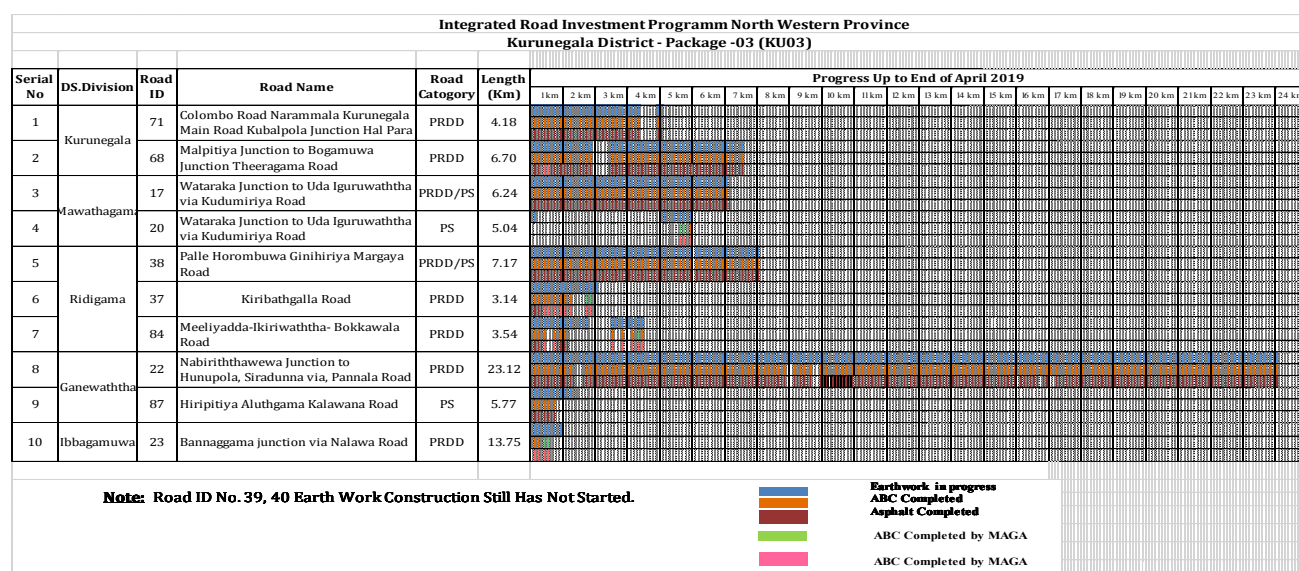
28. The Employer has awarded the contract to RR Construction (Pvt) Ltd and Letter of Acceptance has been issued on 22<sup>nd</sup> of January 2020. Contractor has accepted the same. KU 03 has been renamed as KU 03-R.

**Table 09: Progress at Termination**

Contract Package	Physical Progress at Termination	Financial Progress at Termination
KU 03	47.69%	42.18%

### 2.1.3.1: Status at the Termination

#### A. Road works (KU 03)



**Figure 06: Illustrating progress (km) of Road Works at time of termination for KU 03**

## B. Structures Work (KU3)

Road No.	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert		
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			RHS			Both Sides			Total Nos.	Completed	In progress
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress			
17	32	32		2	2		9	8	0							3	3					18	10	0
20	34	34		2			3						1			4						24	3	
22	35	35					2	1	0							1	1		1			1		
23	88	88					6		0	4			1			1						76		0
37	26	26					1		0				1	1		2	1	0				22		0
38	40	40					3	3					2	2		4	4					31	25	0
39	33	33		1			6						3			1						22		
40	68	68		1									1									66		
68	39	39		1	1								7	5	0	5	3	0	1		0	25	5	0
71	16	16					4	4											2	2		10	6	
84	26	26					4	1	0				2	1		2	2					18	11	0
87	23	23											1	1								22	2	
Page Total	460	460	0	7	3	0	38	17	0	4	0	0	19	10	0	23	14	0	4	2	0	335	62	0

**Figure 07: Illustrating the termination status for Road Structures work in project KU 03**

### 2.1.4: Contract KU 03-R - Contractor RR CONSTRUCTION (PVT.) Ltd.

#### Contract KU 03-R – Contract Details

- All the approved designs, survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.

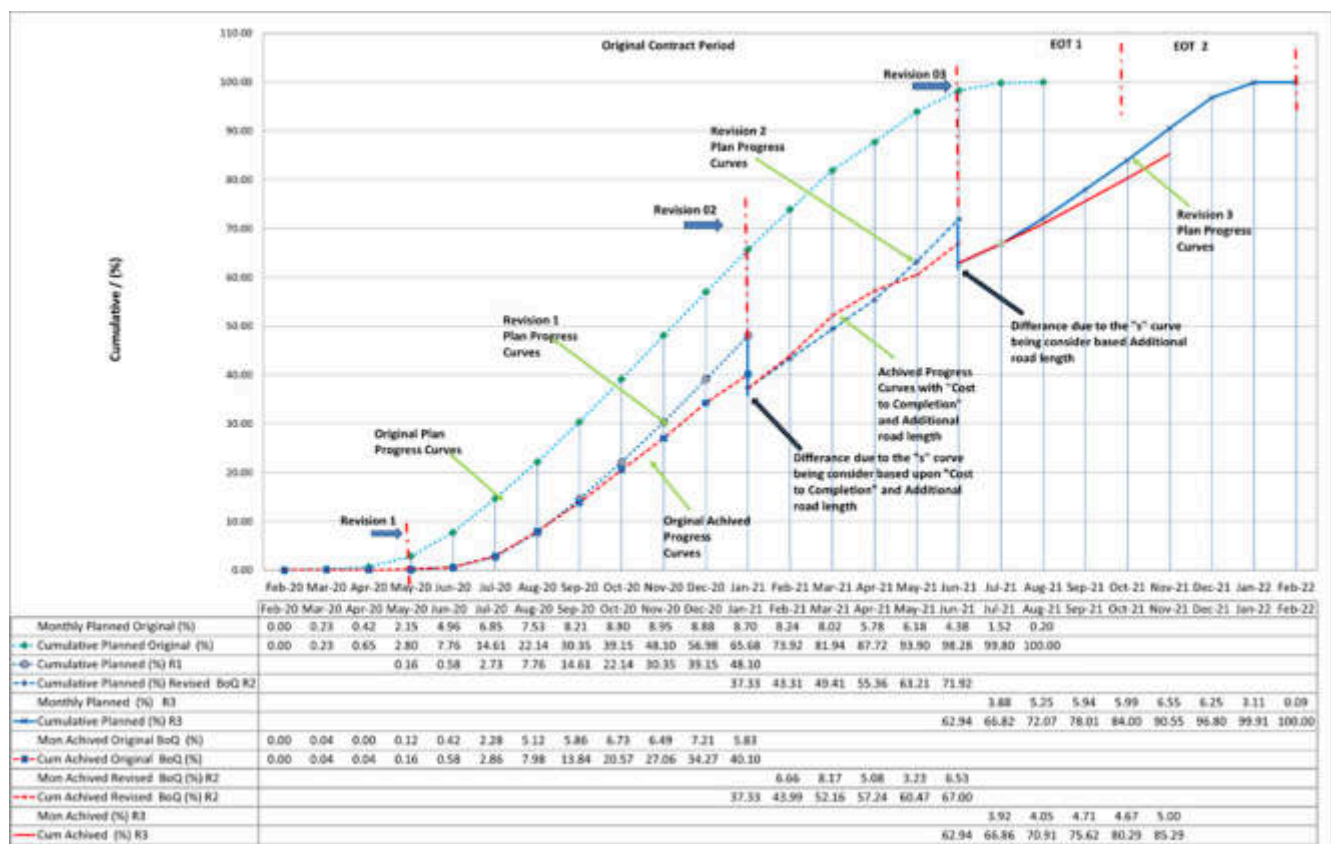
Contract No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount		Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
KU3-R	RR Construction	2,165,263,498.51	Rev 02 (March 2021)	1,905,625,774.39	22/1/2020	20/02/2020	12	99	03

**Figure 08: Illustrates the details of contract KU 03-R**

\*Handing over of completed roads to the Employer has begun in contract KU 03-R.

Serial No.	Road No.	Handed Over Date
1.	20	11/08/2021
2.	38	17/08/2021
3.	84	28/09/2021

### Physical S-Curve of KU 03-R



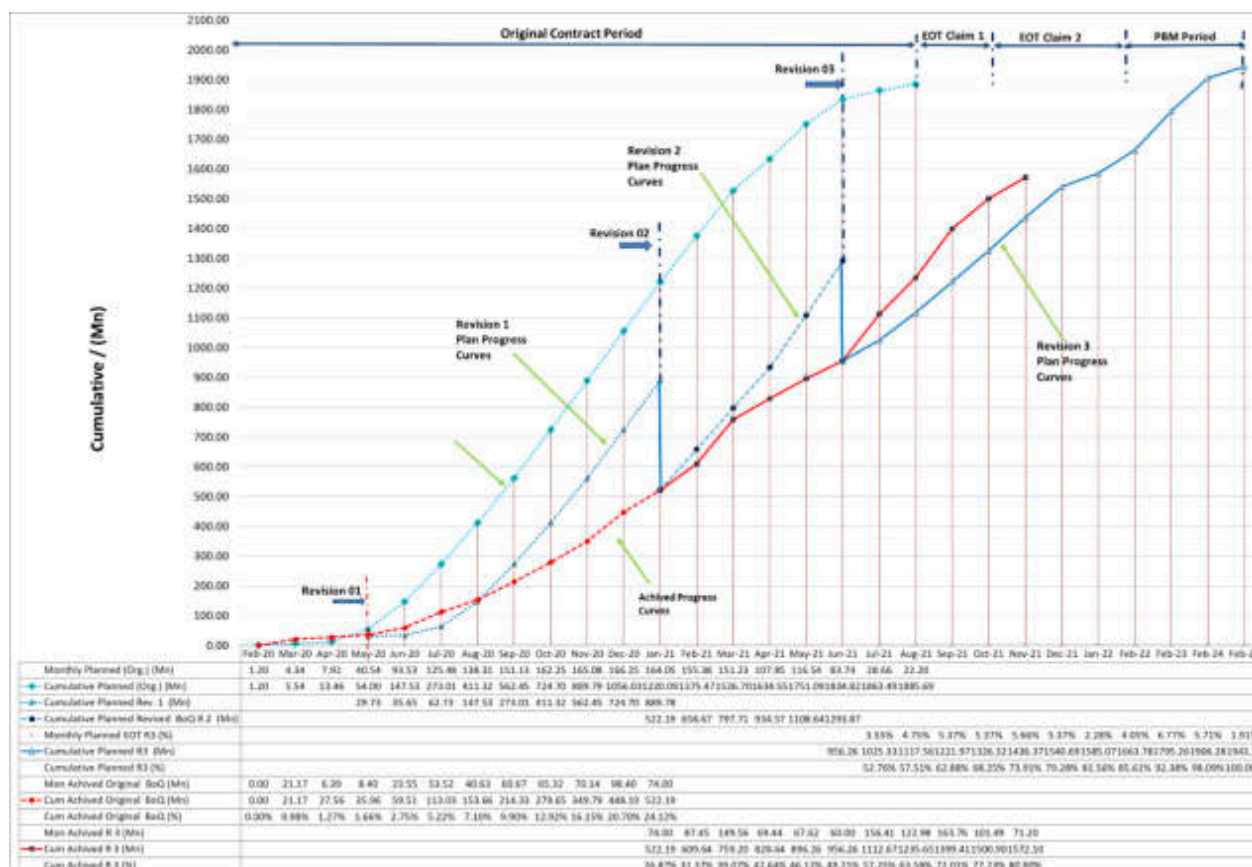
**Figure 09: Graph of Physical Progress illustrating the Physical 'S' curve with EOT-1 with Revised Cost to Completion and EOT-2**

- EOT-1 with revised cost to completion - Approved via Letter Ref iROAD/PIC-02/RR/KU03-R/06/983 on 02<sup>nd</sup> of March 2021

**Table 10: KU 03-R Physical progress as per the revision (EOT 1 and 2)**

Package No	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 03-R							
	84.00	80.29	6.55	5.00	90.55	85.29	6.25

**Financial S-Curve of KU 03-R**



**Figure 10: Graph of Financial Progress illustrating the Financial 'S' curve with EOT-1 with Revised Cost to Completion and EOT-2**

- EOT-1 with revised cost to completion - Approved via Letter Ref iROAD/PIC-02/RR/KU03-R/06/983 on 02<sup>nd</sup> of March 2021.

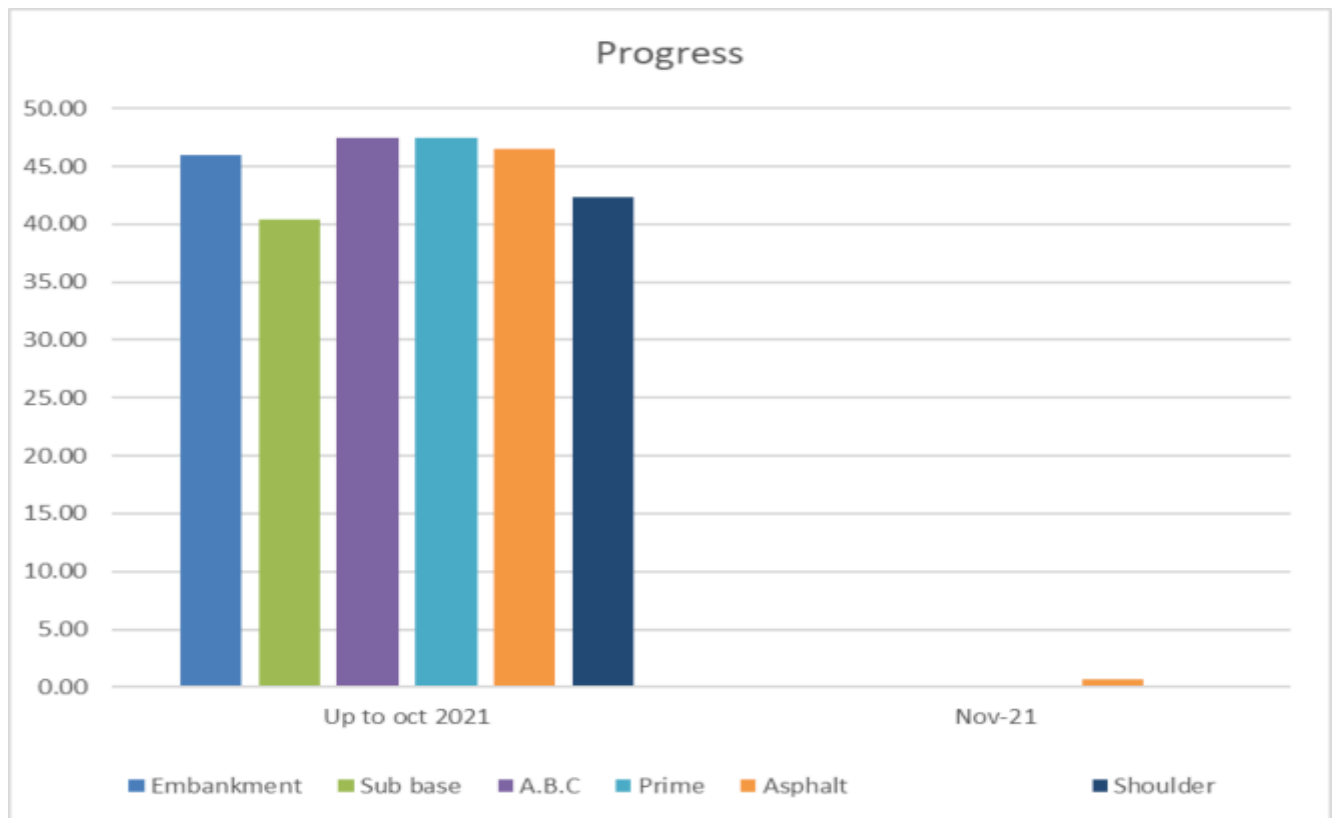
**Table 11: KU 03-R Financial progress as per the revision (EOT 1 and 2)**

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 03-R	68.25	77.23	5.66	3.67	73.91	80.90	5.37

## Progress Summary of Road and Structural Works for KU 03-R

**Table 12: Length wise progress summary of the main activities of the Road works**

Description	Total Length (km)	Up to October 2021 (km)	November 2021 (km)	Cumulative (km)	Next Month Target (km)
<b>Embankment</b>	45.99	45.99	0.00	45.99	0.00
<b>Subbase</b>	40.44	40.44	0.00	40.44	0.00
<b>Shoulder</b>	99.08	42.29	0.00	42.29	15.61
<b>ABC</b>	47.44	47.44	0.00	47.44	0.00
<b>Prime</b>	47.44	47.44	0.00	47.44	0.00
<b>Asphalt</b>	47.44	46.53	0.72	47.24	0.20



**Figure 11: Chart illustrating progress summary of Road works for KU 03-R**

#### **Physical Progress Weighting – KU 03-R (All Activities)**



PHYSICAL PROGRESS SUMMARY AS AT - End of November 2021				
ITEM NO	DESCRIPTION	PHYSICAL PROGRESS		Percentage of Physical Progress
		KU03-R		
		Cumulative %	Weighting	
1	Survey and Design	78.90%	3.00%	2.37%
2	Site clearing	100.00%	4.00%	4.00%
3	Excavation	100.00%	3.00%	3.00%
4	Embankment	100.00%	10.00%	10.00%
5	Sub base	100.00%	4.00%	4.00%
6	Shoulder	66.60%	8.00%	5.32%
7	Dense Graded Aggregate Base	100.00%	11.00%	11.00%
8	Priming	100.00%	2.00%	2.00%
9	Road Surfacing	100.00%	20.00%	20.00%
10	Road Side and Leadaway Drains	80.30%	14.00%	11.24%
11	Culverts and Retaining Structures	76.70%	14.00%	10.74%
12	Bridge	31.90%	1.00%	0.32%
13	Incidental Construction	21.70%	6.00%	1.30%
Cumulative progress %		85.29%		



**Table 13: Progress Summary of Structural works KU 03-R**

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		Submitted	Accepted	In progress	Submitted		Approved	Decision Pending	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.		Completed	In progress	Total Nos.		Completed	In progress	Total Nos.	Completed	In progress																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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**Table 14: EOT Status – KU 03-R**

Claim No.	Reason for EOT	Status	Initial Completion Date	EOT No.	EOT (days)	New Completion Date	Remarks
No. 01	Direct Effect of Covid19	Approved by Employer	19 <sup>th</sup> of August 2021	01	55	13 <sup>th</sup> of October 2021	-
No. 02	Direct/ Indirect Effects of Covid-19	Claim accepted by Engineer	13 <sup>th</sup> of October 2021	02	114	*04 <sup>th</sup> of February 2022	*Pending Employer Approval

***Progress Photographs (KU 03-R)***

	
<p><b>Picture No. 01:</b> Road ID 22 - Road Marking</p>	<p><b>Picture No. 02:</b> Road ID 87 at Ch. 06+120 LHS - Shoulder Laying</p>

	
<p><b>Picture No. 03:</b> Road ID 22, Ch. 04+610, Asphalt Paving</p>	<p><b>Picture No. 04:</b> Road ID 40, Ch. 03+370 LHS, Field Density for Hard Shoulder</p>
	
<p><b>Picture No. 05:</b> Road ID 17, Ch.12+590 LHS, L Drain Base Concreting</p>	<p><b>Picture No. 06:</b> Road ID 23, Ch. 09+055 RHS, U Drain Base Concreting</p>

#### 2.1.5: Contract KU 04 – Contractor V.V. Karunaratne & Company

29. The Contract Package KU 04 consists of 12 roads totalling 105.83 km and the accepted contract value is LKR 2,091,174,540.00. As of July 2019, they have abandoned the site and they have closed their site offices with only minor staff. All the machineries from the site have been removed by the contractor without the consent of the Engineer or the Employer. The Engineer has recommended that the Client exercise their rights in issuing Sub Clause 15.2 – Termination Notice to the Contractor.

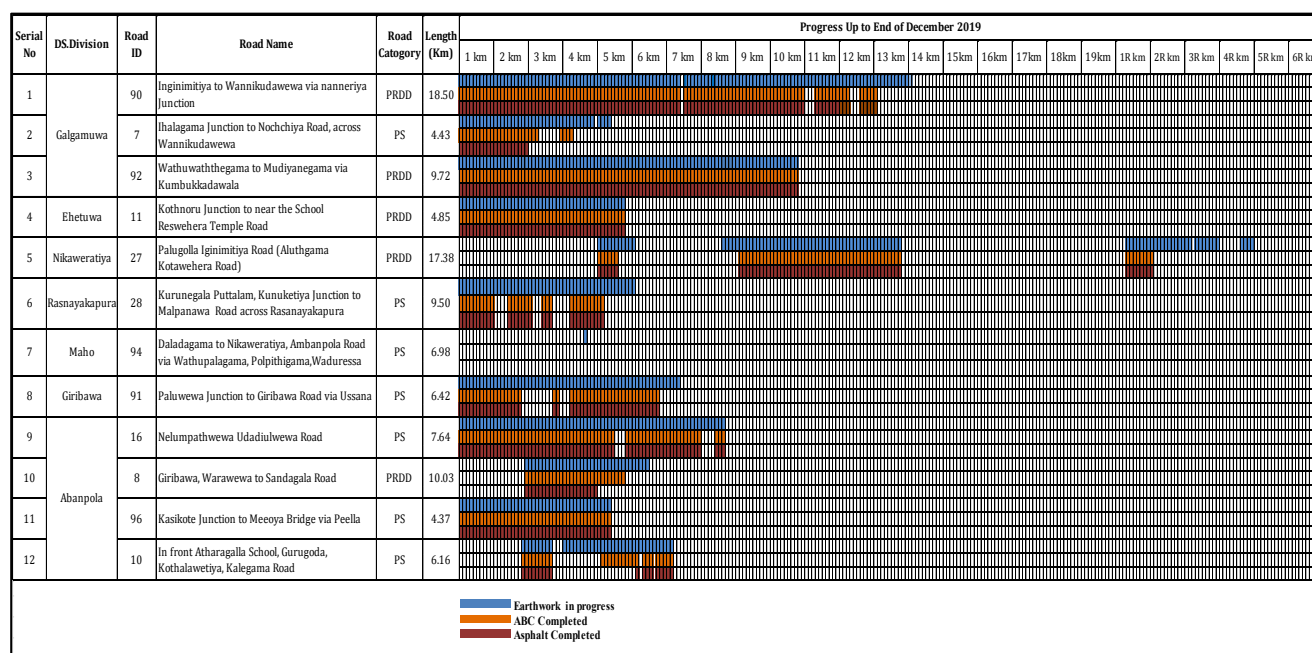
This project has been TERMINATED through letter Ref. No.: RDA/ADB/iROAD/GEN dated 13.11.2019.

**Table 15: Package KU 04 Progress at Termination**

Contract Package	Physical Progress at Termination	Financial Progress at Termination
KU 04	55.44%	45.62%

### 2.1.5.1: Status at the Termination

#### A. KU 04 - Road works



**Figure 12: Illustrating progress (km) of Road works at time of termination for KU 04**

## B. KU 04 - Structures

Road No.	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert		
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			RHS			Both Side			Total Nos.	Completed	In progress
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress			
7	15	15		1			4	1	1	3	3		1	1		1	1		2	2	0	3		
8	28	28		3	3		2	1					1	1		3	1		1	1		11		
10	18	18		2	2		3	3														11	3	
11	25	25		3	2		3	3					1	1								12	7	
16	27	27		2	2		6	6		1	1		2	2								15	12	
27	45	45					8	7	1	1	1		2	1		3	3					37	6	
28	48	48					9	3	1	1			2			3			2		1	34		
90	48	48		5	4	1	9	6														42	7	
91	20	20		1		1	4	4								2	2		3	3		16	7	
92	42	42		1	1		10	10		7	7		1	1		2	2		7	7		23	23	
94	28	28		1			4						2									25		
96	19	19		2	2								1	1		1	1					9	6	
Page Total	363	363	0	21	16	2	62	44	3	13	12	0	13	8	0	15	10	0	15	13	1	238	74	0

**Figure 13: Illustrating progress (km) of Road work at time of termination for KU 04**

- All flood damages have been rectified by the PU 01 Contractor due to the abnormal heavy rain during the 03<sup>rd</sup> week of December 2019.

Progress summary of Road works in Road ID 27 and 28 (Under Variation)

### (A) Road ID 27

- Work on Road ID 27 has been completed and handed over to the Employer on the 21<sup>st</sup> of August 2020.

### (B) Road ID 28

- Work on Road ID 28 has been completed and handed over to the Employer on the 21<sup>st</sup> of October 2020.

## 2.1.6: Contract KU 04-R1 – Contractor: Business Promoters and Partners Engineering (Pvt) Ltd.

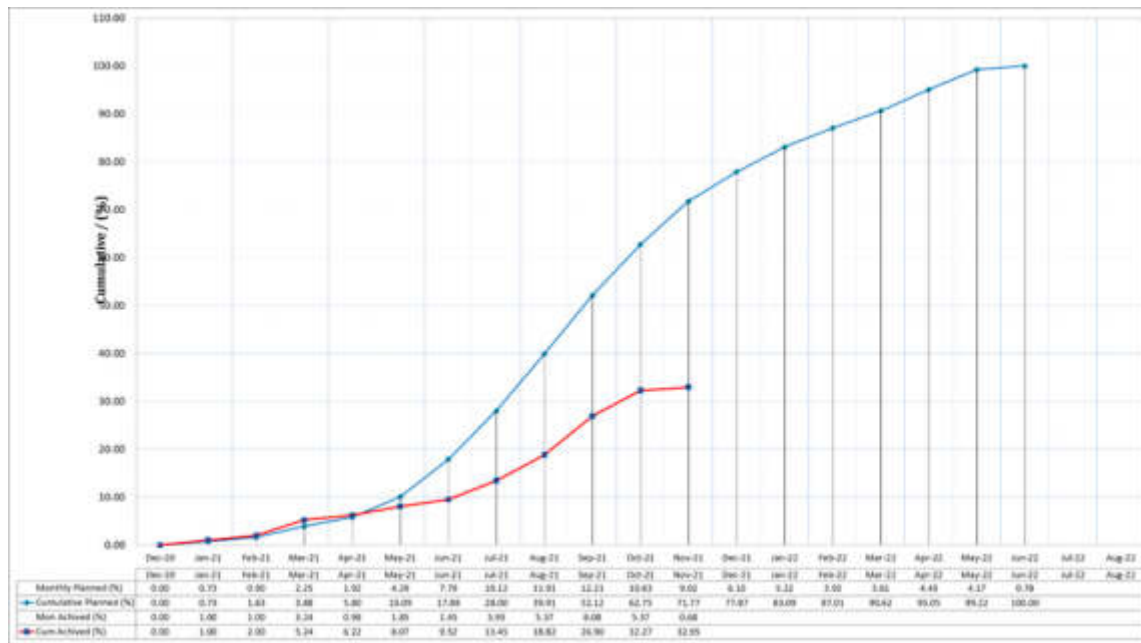
### Contract KU 04-R1- Contract Details

All the approved designs, Survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.

Contract No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount	Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
KU4-R1	BPPE	942,016,563.72	No	16/10/2020	15/12/2020	04	39.38	Rev 0

**Figure 14: Illustrates the details of contract KU 04-R1**

### Physical S-Curve of KU 04-R1

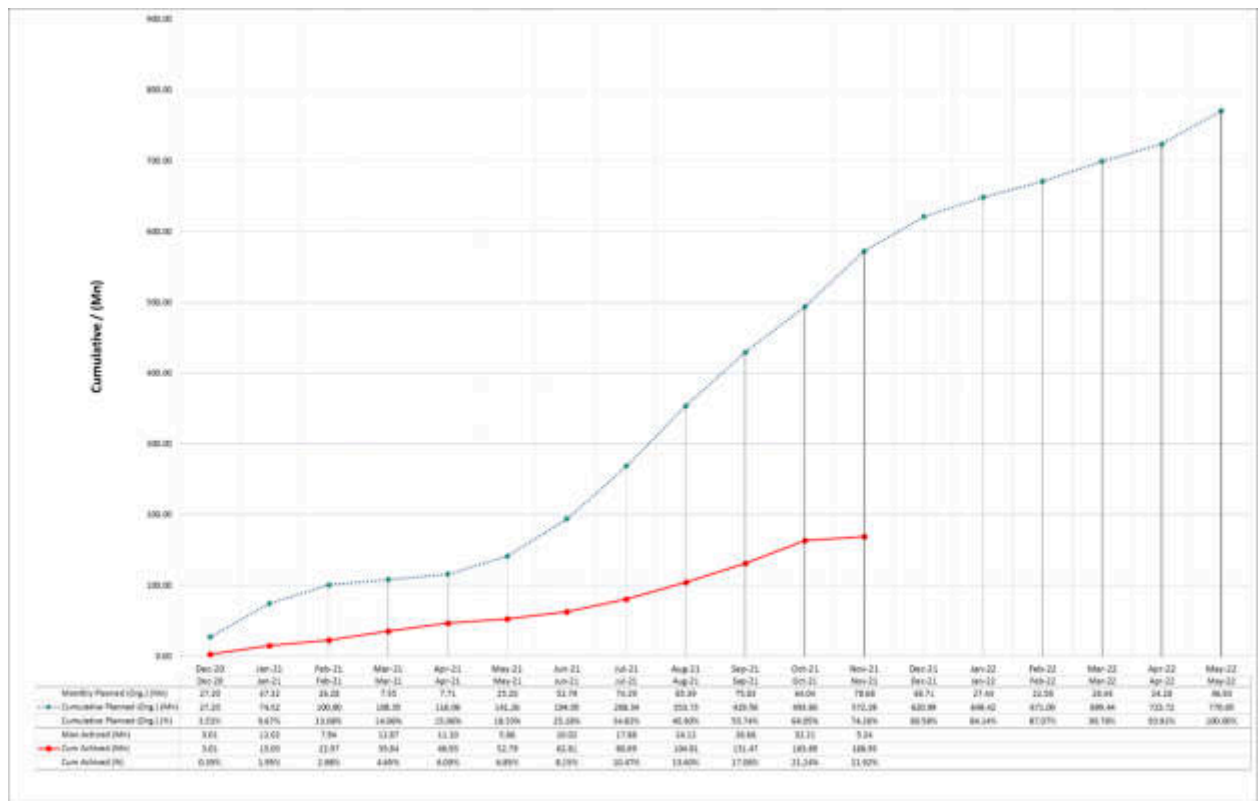


**Figure 15: Graph of Physical progress illustrating the Physical 'S' curve**

**Table 16: KU 04-R1 Physical progress**

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 04-R1	62.75%	32.27%	9.02%	0.68%	71.77%	32.95%	6.10%

**Financial S-Curve of KU 04-R1**



**Figure 16: Graph of Financial progress illustrating the Financial 'S' curve**

**Table 17: KU 04-R1 Financial progress**

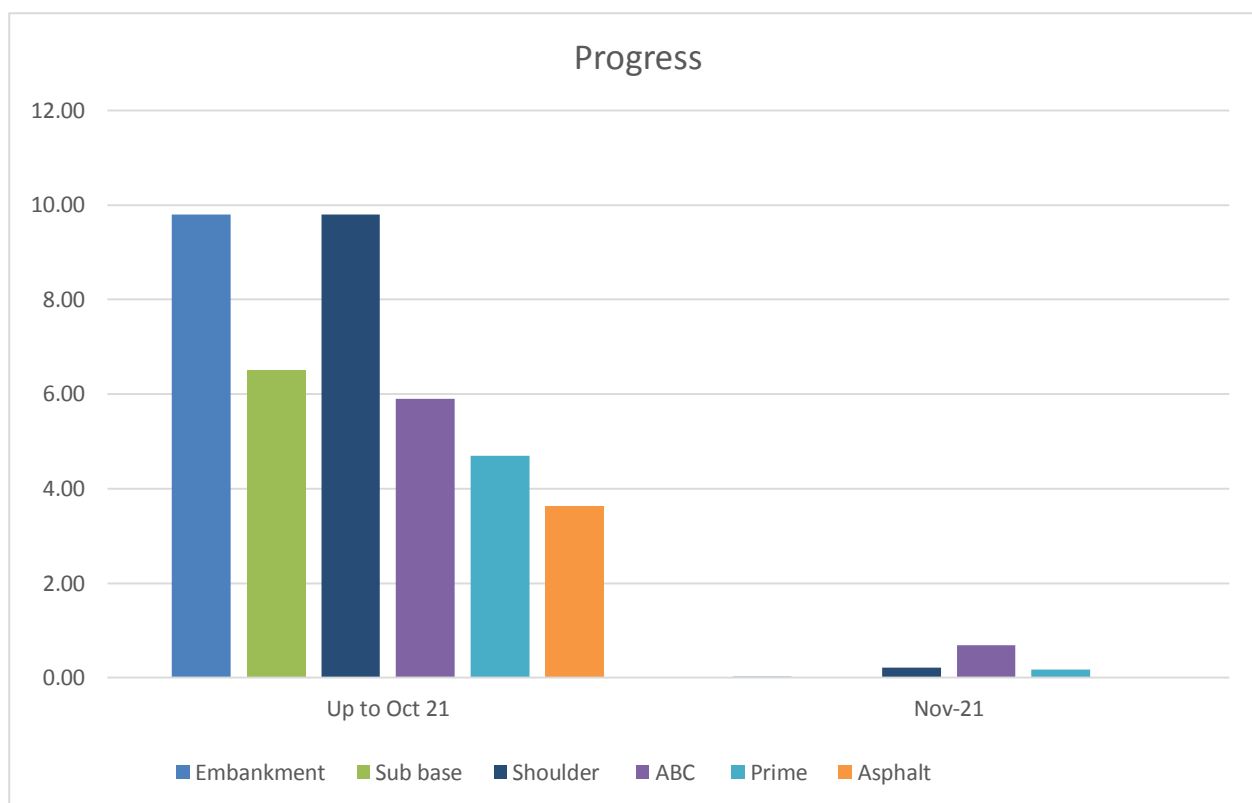
Package No	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 04-R1							
	64.05%	21.24%	10.21%	0.68%	74.26%	21.92%	6.32%

**Progress Summary of Road and Structural Works for KU 04-R1**

**Table 18: Length wise progress summary of the main activities of the Road works**

KU 04-R1	Total Length(km)	Up to Oct 21	Nov-21	Cumulative (km)	Next Month Target (km)
Description					
Embankment	18.18	9.80	0.03	9.83	0.70
Sub base	18.18	6.51	0.00	6.51	1.70
Shoulder	39.38	9.80	0.22	10.02	1.20
ABC	19.88	5.90	0.69	6.59	1.70
Prime	19.88	4.70	0.17	4.87	2.20
Asphalt	19.88	3.62	0.00	3.62	1.70





**Figure 17: Chart illustrating progress summary of Road works for KU 04-R1**

#### **PHYSICAL PROGRESS WEIGHTING - KU 04-R1**

PHYSICAL PROGRESS SUMMARY AS AT - NOVEMBER 30th				Percentage of Physical Progress
ITEM NO	DESCRIPTION	PHYSICAL PROGRESS		
		KU04-R1		
		Cumulative %	Weighting	
1	Survey and Design	94.00	6.00%	5.64%
2	Clearing, Grubbing & Backfilling	72.01	1.00%	0.72%
3	Roadway Excavation	58.05	5.00%	2.90%
4	Structures - LD	0.00	3.00%	0%
5	Earth Drain	0.00	3.00%	0%
6	Culverts	39.82	12.00%	4.78%
7	Bridges, Causeway & Other	11.00	5.00%	0.55%
8	Embankment Construction	55.00	11.00%	6.03%
9	Sub base Construction	42.40	10.00%	4.24%
10	Dense Graded Aggregate Base	33.35	12.00%	4.00%
11	Road Surfacing	17.13	15.00%	2.57%
12	Shoulder Construction	25.71	5.00%	1.29%
13	Finishing Shoulder Construction	11.55	2.00%	0.23%
14	Incidental Construction		10.00%	0%
Cumulative progress %			100.00%	32.95%

**Table 19: Progress summary of Structural works KU 04-R1**

Road ID	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert			Remarks
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.	Completed	In progress	
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress				
07	5	9	0	1			3															1			
08	19	19	0	2	1	0	5	1	2									1				10	0	0	
90	28	49	0	2	0	1	16	6	8				1	0	1	1	0	1	2	0	1	6	0	0	
91	6	16					1															5			
Total	58	93	0	5	1	1	25	7	10	0	0	0	1	0	1	1	0	1	3	0	1	22	0	0	

**Progress Photographs (KU 04-R1)**





**Picture No. 07:** Primming on Road ID-08 at Ch. 09+450 B/S



**Picture No. 08:** Asphalt Laying and Compaction on Road ID-08 at Ch:10+700



<b>Picture No. 09:</b> Embankment Construction on Road ID 08 at Ch.11+310 B/S	<b>Picture No. 10:</b> Embankment Construction on Road ID 08 at Ch.11+330 LHS
	
<b>Picture No. 11:</b> Carrageway Rock Filling on Road ID-08 at Ch. 11+650	<b>Picture No. 12:</b> Embankment Construction on Road ID 08 at Ch. 11+800 RHS

### 2.1.7: Contract KU 04-R2 – Contractor: Anura Wijenayaka & Co. (Pvt) Ltd.

#### Contract KU 04-R2- Contract Details

- All the approved designs, Survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.

Package No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount		Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
KU4-R2	Anura Wijenayaka	647,515,489.20	Rev 01 (May 2021)	558,630,705.80	16/10/2020	15/12/2020	04	27.71	Rev 01

**Figure 18: Illustrates the details of contract KU 04-R2**

## Physical S-Curve of KU 04-R2

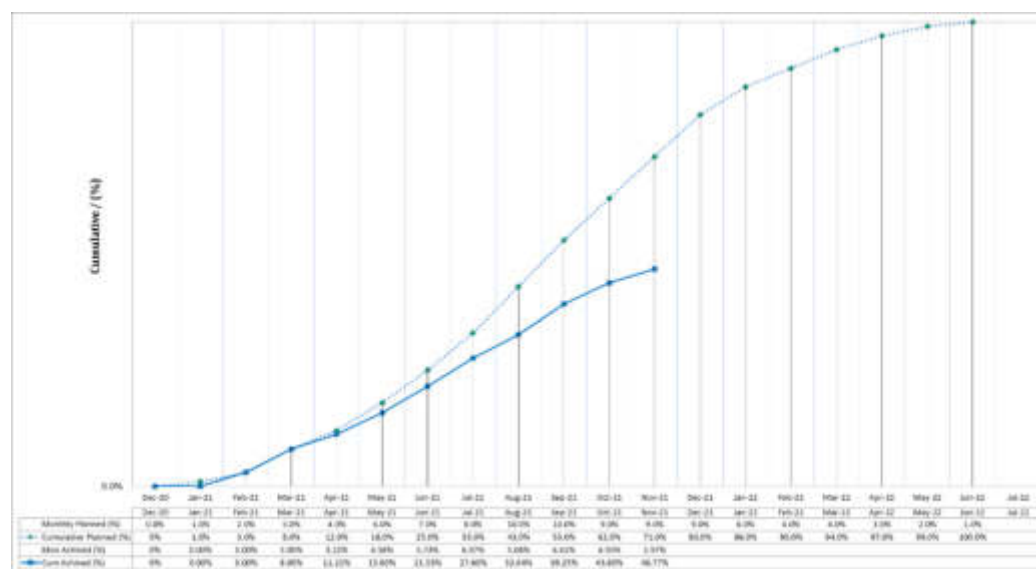


Figure 19: Graph of Physical progress illustrating the Physical 'S' curve

Table 20: KU 04-R2 Physical progress

Package No	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 04-R2	62.00%	43.80%	9.00%	2.97%	71.00%	46.77%	9.00%

## Financial S-Curve of KU 04-R2

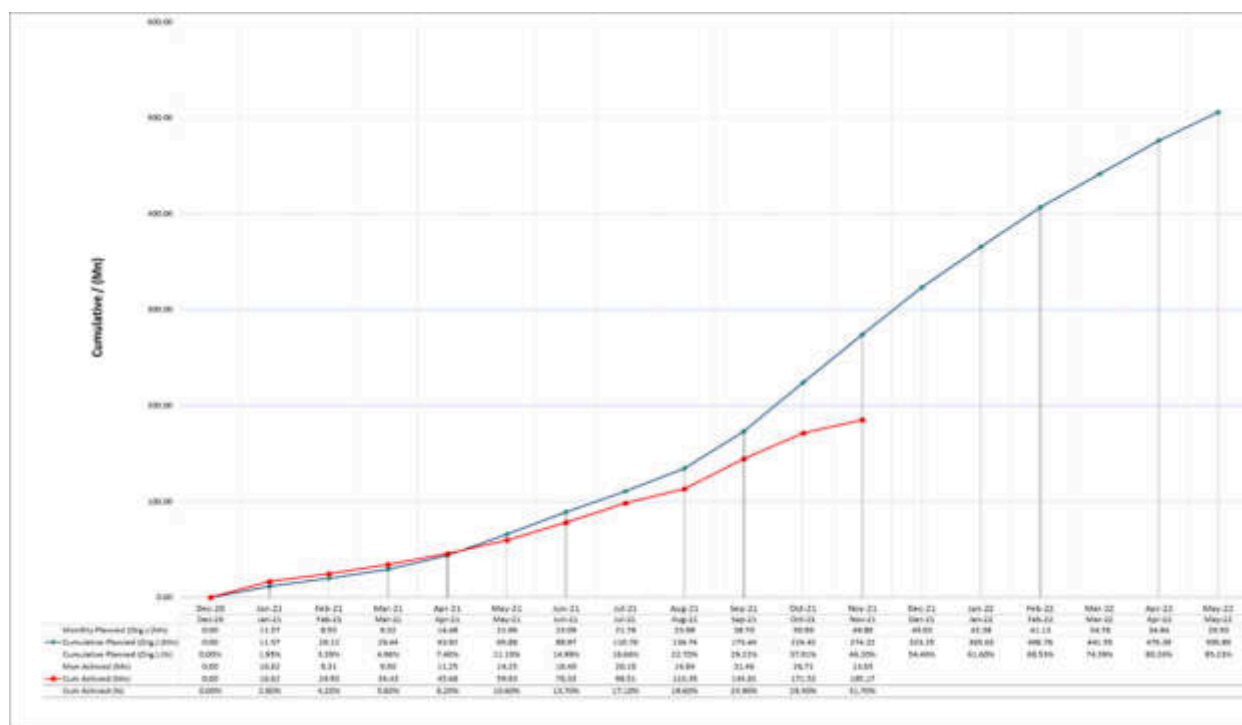


Figure 20: Graph of Financial progress illustrating the Financial 'S' curve

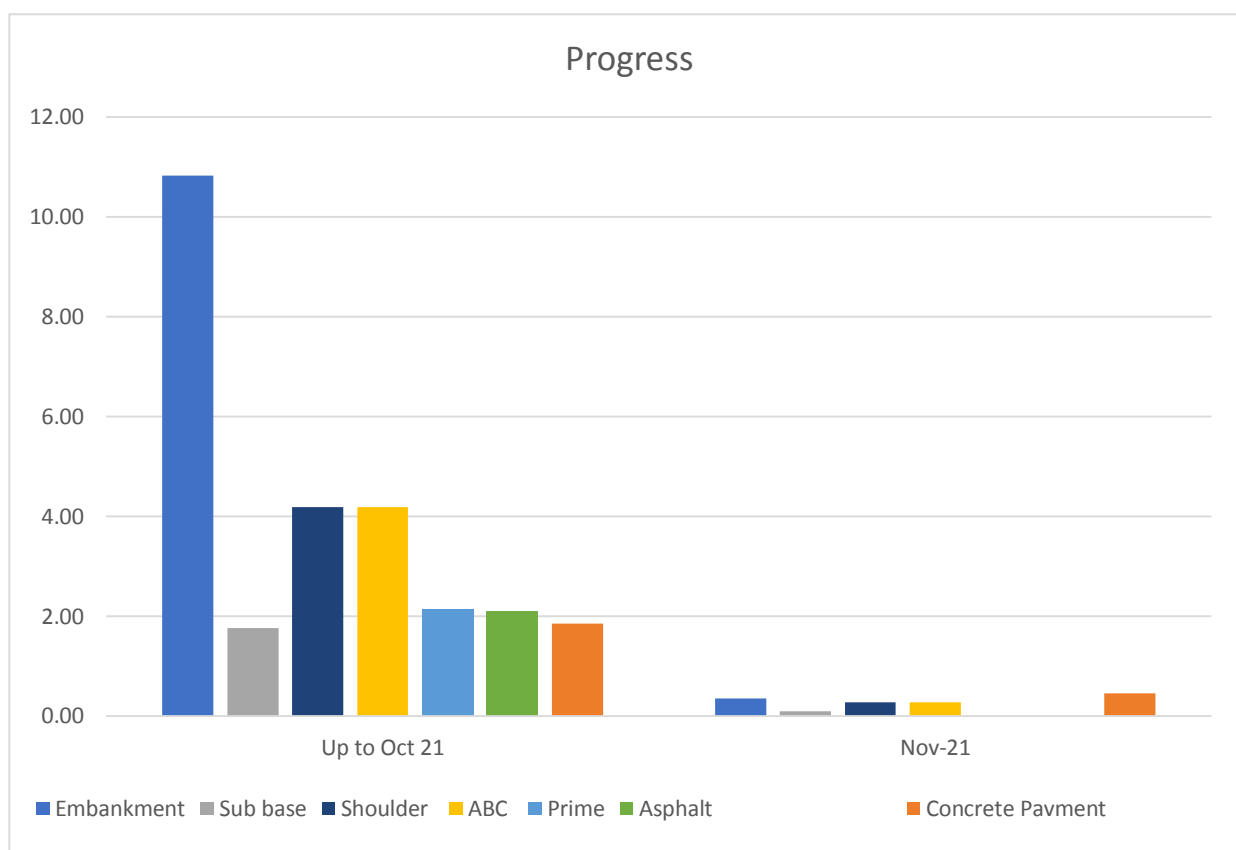
Table 21: KU 04-R2 Financial progress

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 04-R2	37.81%	29.40%	8.39%	2.30%	46.20%	31.70%	8.26%

## Progress summary of Road and Structural works for KU 04-R2

**Table 22: Length wise Progress summary of the main activities of the Road works**

KU 04-R2	Total Length(km)	Up to Oct. 21	Nov-21	Cumulative (km)	Next Month Target (km)
Description					
Embankment	13.14	10.82	0.35	11.17	0.50
Sub base	7.70	1.76	0.10	1.86	2.00
Shoulder	17.89	4.18	0.28	4.46	2.50
ABC	9.40	4.18	0.28	4.46	2.50
Prime	9.40	2.13	0.00	2.13	2.00
Asphalt	9.40	2.11	0.00	2.11	2.00
Concrete Pavement	3.74	1.85	0.45	2.30	



**Figure 21: Chart illustrating progress summary of Road works for KU 04-R2**

**PHYSICAL PROGRESS WEIGHTING TABLE of KU 04-R2**

PHYSICAL PROGRESS SUMMARY AS AT – END NOVEMBER - 2021				
ITEM NO	DESCRIPTION	PHYSICAL PROGRESS KU4-R2		Percentage of Physical Progress
		Cumulative %	Weighting	
1	Survey and Design	98.0	7.00%	6.86%
2	Site clearing	97.4	5.00%	4.87%
3	Excavation	85.0	5.00%	4.25%
4	Embankment	85.0	5.00%	4.25%
5	Sub base	24.1	5.00%	1.21%
6	Shoulder	33.9	10.00%	3.39%
7	Dense Graded Aggregate Base	33.9	5.00%	1.70%
8	Priming	22.7	5.00%	1.14%
9	Road Surfacing	33.6	9.00%	3.02%
10	Road Side and Leadaway Drains	4.2	8.00%	0.34%
11	Culverts and Retaining Structures	100.0	12.00%	12.00%
12	Bridge & Causeways	75.0	5.00%	3.75%
13	Incidental Construction	-	19.00%	-
<b>Cumulative progress %</b>			<b>100.00%</b>	<b>46.77%</b>



**Table 23: Progress summary of Structural works KU 04-R2**

Road ID	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert			Remarks
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.	Completed	In progress	
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress				
10	13	14	0	2	2	0	4	4	0	2	2					5	5	0				0	0	0	
11	0																								
92	0																								
94	24	23	0	1	1	0	12	12	0							6	6	0				5	5	0	
Total	37	37	0	3	3	0	16	16	0	2	2	0	0	0	0	11	11	0	0	0	0	5	5	0	

**Table 24: EOT Status of KU 04-R2**

Claim No.	Reason for EOT	Status	Initial Completion Date	EOT No.	EOT (days)	New Completion Date	Remarks
No. 01	Site closure due to staff undergoing quarantine	Re-submitted to Secretary	14.06.2022	01	11	27.06.2022	Engineer accepted for 11 working days as per program/ (13 Calendar days)

**Progress Photographs (KU 04-R2)**



**Picture No. 13:** Rock Filling on Road ID 10 at Ch. 04+100 - Ch. 04+180 RHS



**Picture No. 14:** Sub base on Road ID 94 at Ch. 02+500 - Ch. 02+600 RHS



	
<p><b>Picture No. 15:</b> Aggregate base course construction on Road ID 94 at Ch. 02+430 - Ch. 02+630</p>	<p><b>Picture No. 16:</b> Concrete Paving on Road ID 94 at Ch. 00+008 - Ch. 00+070 LHS</p>
	
<p><b>Picture No. 17:</b> Embankment Construction on Road ID 10 Ch. 04+600 – Ch. 04+800 RHS</p>	<p><b>Picture No. 18:</b> Excavation and Subgrade Preparation on Road ID 10 Ch. 05+090 – Ch. 05+250</p>

## 2.1.8: Contract KU 04-R3 – Contractor: International Construction Consortium (Pvt.) Ltd.

### Contract KU 04-R3- Contract Details

- All the approved designs, Survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.

No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount	Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
KU4-R3	ICC (Pvt.) Ltd	965,856,373.20	No	16/10/2020	15/12/2020	04	38.91	Rev 0

Figure 22: Illustrates the details of contract KU 04-R3

### Physical S-Curve of KU 04-R3

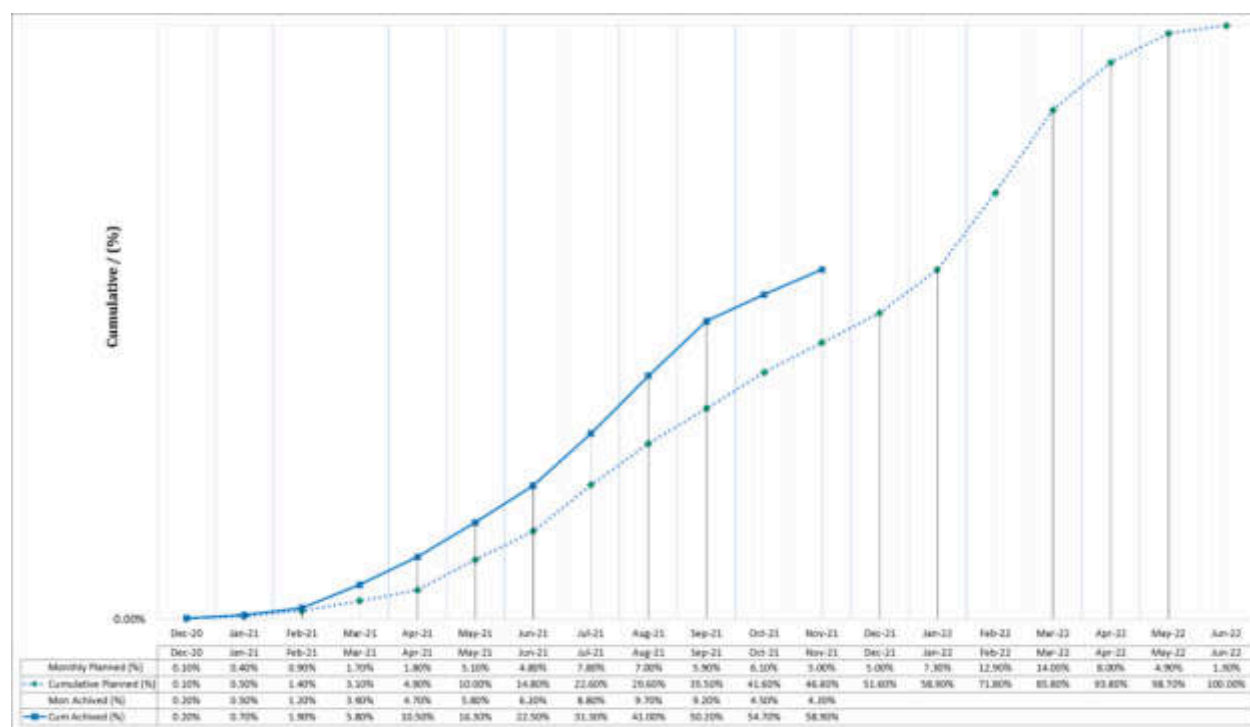


Figure 23: Graph of Physical progress illustrating the Physical 'S' curve

Table 25: KU 04-R3 Physical progress

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 04-R3	41.60%	54.70%	5.00%	4.20%	46.60%	58.90%	5.00%

Financial S-Curve of KU 04-R3

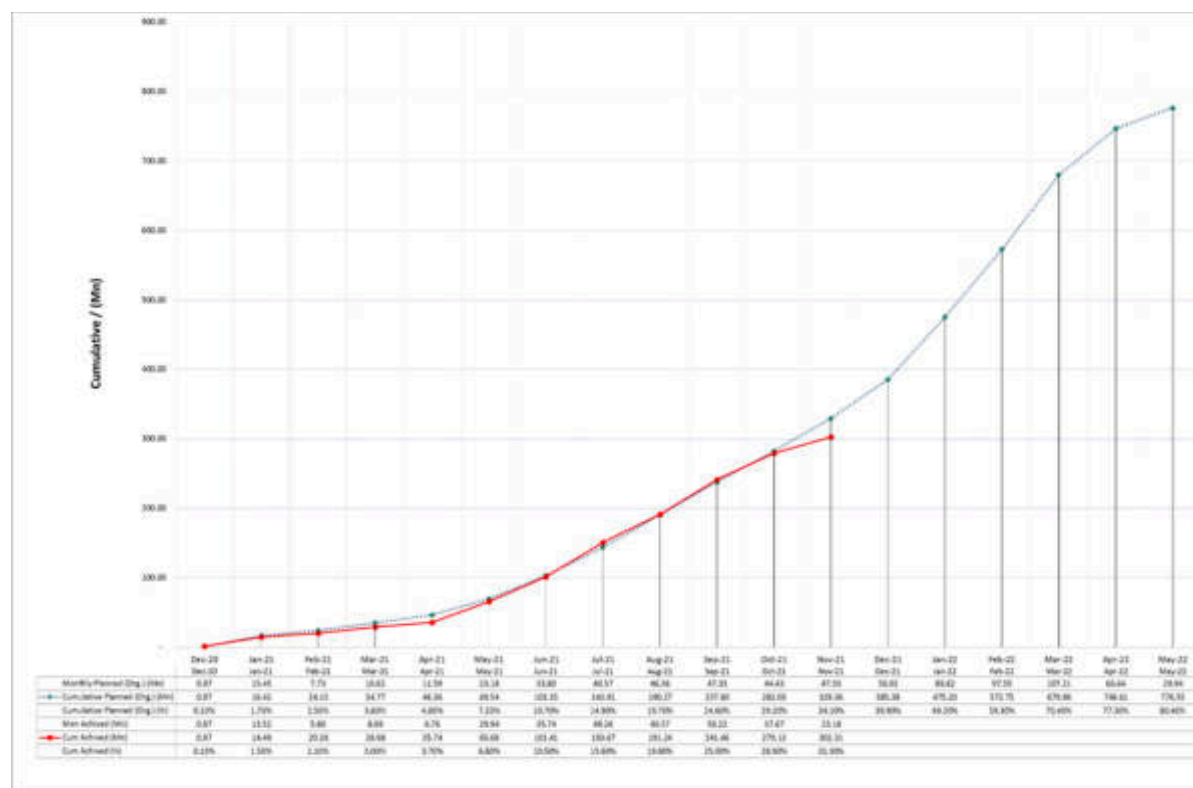


Figure 24: Graph of Financial progress illustrating the Financial 'S' curve

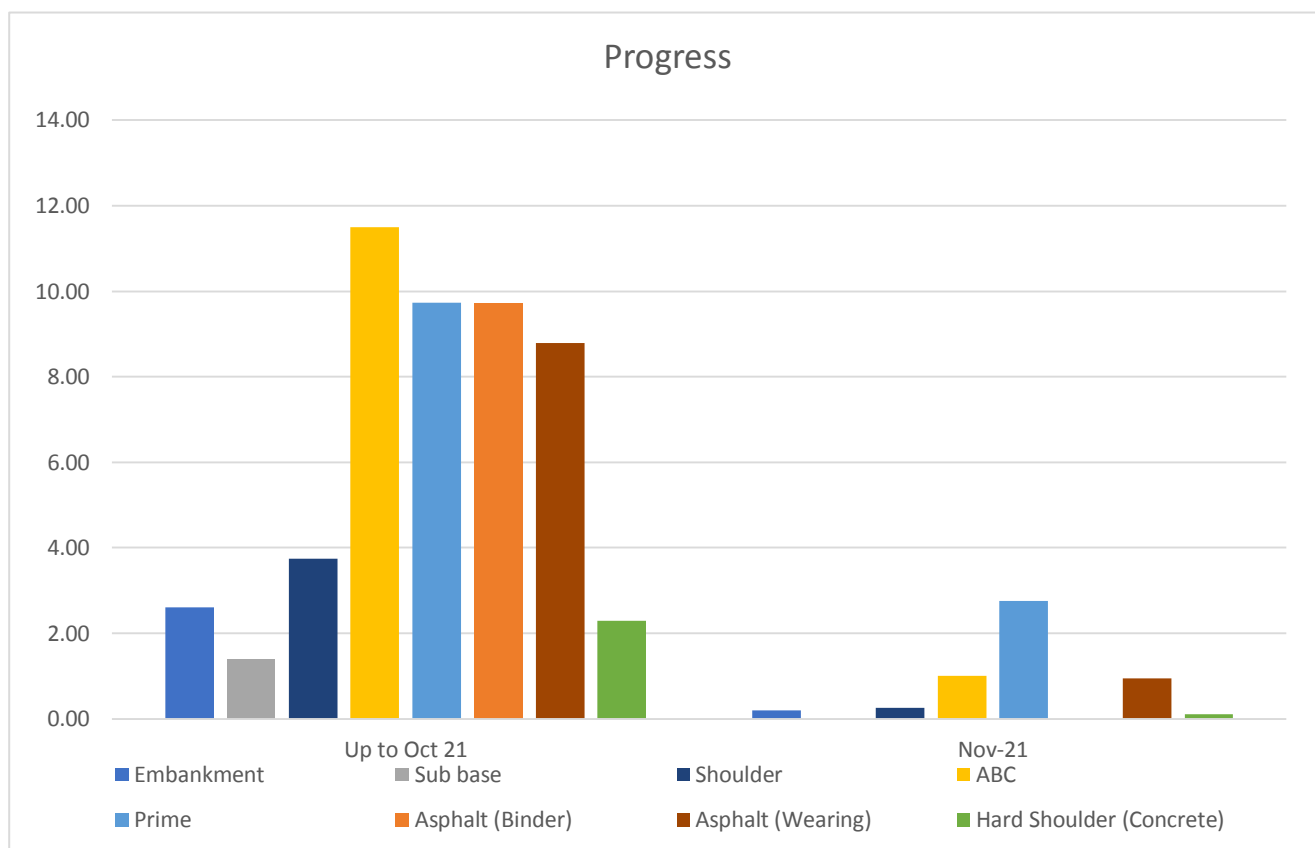
**Table 26: KU 04-R3 Financial progress**

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU 04-R3	29.20%	28.90%	4.90%	2.40%	34.10%	31.30%	5.80%

**Progress summary of Road and Structural works for KU 04-R3**

**Table 27: Length wise Progress summary of the main activities of the Road works**

KU 04-R3	Total Length(km)	Up to Oct-21	Nov-21	Cumulative (km)	Next Month Target (km)
Description					
Embankment	2.80	2.60	0.20	2.80	0.00
Sub base	3.80	1.40	0.00	1.40	0.60
Shoulder	24.34	3.75	0.25	4.00	1.00
ABC	16.69	11.50	1.00	12.50	1.50
Prime	16.69	9.74	2.76	12.50	1.50
Asphalt (Binder)	11.40	9.74	0.00	9.74	1.50
Asphalt (Wearing)	16.69	8.79	0.95	9.74	2.00
Hard Shoulder (Concrete)	4.37	2.30	0.1	2.40	0.50



**Figure 25: Chart illustrating progress summary of Road Works for KU4-R3**

PHYSICAL PROGRESS SUMMARY AS AT - NOVEMBER 2021				
ITEM NO	DESCRIPTION	PHYSICAL PROGRESS		Percentage of Physical Progress
		KU4-R3		
		Cumulative %	Weighting	
1	Survey and Design	98.19%	10.00%	9.82%
2	Site clearing and road way excavtion	95.18%	5.00%	4.76%
3	Embankment construction	100.00%	10.00%	10.00%
4	Sub base and initial shoulder	36.84%	10.00%	3.68%
5	ABC, priming and regulating	75.30%	15.00%	11.30%
6	Wearing course	58.67%	15.00%	8.80%
7	Lined drain	20.00%	8.00%	1.60%
8	Culverts and Retaining walls	66.27%	12.00%	7.95%
9	Shoulder finishing and turfing	9.76%	10.00%	0.98%
10	Incidental works	0.00%	5.00%	0.00%
Cumulative progress %			100.00%	58.9%

**WEIGHTING TABLE of KU4-R3**

**Table 28: Progress summary of Structural works KU 04-R3**

Road ID	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert			Remarks	
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.	Completed	In progress		
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress					
16																										
27																										
28	46	47	0	0	0	0	8	7	1							1	1	0				37	0	0		
96	4	20		1			1											1				1				
Total	50	67	0	1	0	0	9	7	1	0	0	0	0	0	0	1	1	1	0	0	0	38	0	0		

**Progress Photographs (KU 04-R3)**





**Picture No. 19:** Grass Sodding on Road ID 28 at Ch.10+450 LHS



**Picture No. 20:** Line drain wall Concrete on Road ID 28 Ch. 20+084 – Ch. 20+096 LHS





<p><b>Picture No. 21:</b> Prime coat on Road ID 28 at Ch.18+900 – Ch.19+100 LHS</p>	<p><b>Picture No. 22:</b> Road widening concrete on Road ID 96 at Ch.0+368 – Ch. 00+410 RHS</p>
	
<p><b>Picture No. 23:</b> Line Drain Construction on Road ID 28 at Ch.20+120 – Ch. 20+050 LHS</p>	<p><b>Picture No. 24:</b> Culvert encasement concrete on Road ID 96 at Ch. 14+488 LHS</p>

### 2.1.9: Contract KU 05 – Contractor Ranken Railway Construction Company Ltd.

30. The Contract Package KU 05 consists of 17 roads totalling 99.85 km and the accepted contract value is LKR 1,996,560,050.43. As of October 2018, they have abandoned the site and they have closed their site offices with only minor staff. From November 2018 onwards no staff is available on site and the Contractor's site office is still closed. All the machineries from the site were removed by the contractor without the consent of the Engineer or the Employer. The Engineer has recommended that the Client exercise their rights in issuing Sub Clause 15.2 – Termination Notice to the Contractor.

31. This project has been TERMINATED through letter Ref. No.: RDA/ADB/iROAD/GEN dated 12.02.2019 and the effective date, by which the contractor has to vacate the site is on the 26<sup>th</sup> of February 2019.

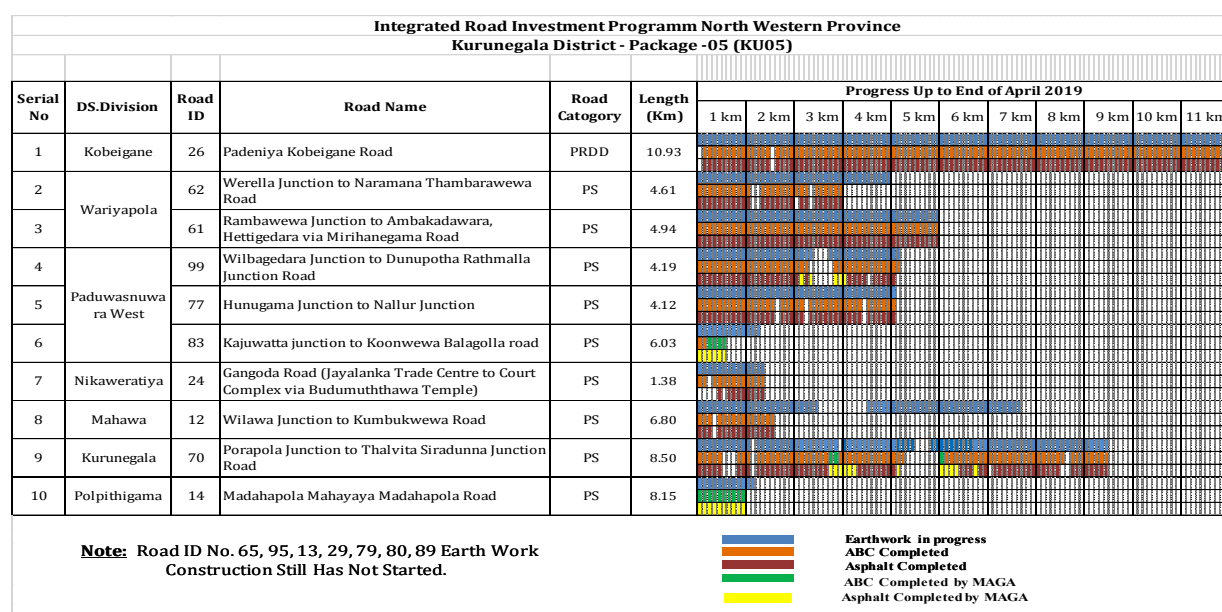
32. The Employer has awarded the contract to Finite Lanka (Pvt.) Ltd and Letter of Acceptance has been issued on 22<sup>nd</sup> of January 2020. The Contractor has accepted the same. KU 05 has been renamed as KU 05-R.

**Table 29: Progress at Termination of Package KU 05**

Contract Package	Physical Progress at Termination	Financial Progress at Termination
KU 05	37.23%	41.27%

### 2.1.9.1: Status at Termination

#### A. KU 05 Road works



**Figure 26: Illustrating progress (km) of Road works at time of termination for KU 05**



## B. KU 05 Structures work

Road No.	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert		
													LHS			Both Side			RHS					
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress			
12	26	26					6		2				2			3		1	3		1	11		
13	41	41		1			5												1			34		
14	35	35					14															21	2	
24	9	9																	1			8	3	
26	28	28					6	4														22	1	
29	36	36		1			21	2	1													14	1	
61	21	21					2	2					4	4		4	3		1	1		10	3	
62	22	22		2			7	3					2	2		1			2	1		8	6	
65	11	11					2			1			3			3			2					
70	39	39					13	9	2	1			5	5		9	6		3	2		9	1	
77	17	17					8	6		1			2	1		1	1		1			4	1	
79	28	28					8						3			7						10		
80	19	19		1						2									1			15		
83	22	22					7						1						2			12		
89	14	14					1						1									12		
95	14	14					6			1						1			2			4		
99	24	24					6	3					2						2	2		14	9	
Page Total	406	406	0	5	0	0	112	29	5	6	0	0	25	12	0	29	10	1	21	6	1	208	27	0

Figure 27: Illustrating the termination status for road structures work in project KU 05

### 2.1.10: Contract KU 05-R – Contractor Finite Lanka (Pvt.) Ltd.

#### Contract KU 05-R – Contract Details

- All the approved designs, survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.

Contract No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount		Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
KU5-R	Finite Lanka	2,296,136,981.33	Rev 01 (Nov 2020)	1,998,880,068.72	22/1/2020	20/02/2020	17	104	Rev 01

Figure 28: Illustrates the details of contract KU 05-R

Physical S-Curve of KU 05-R

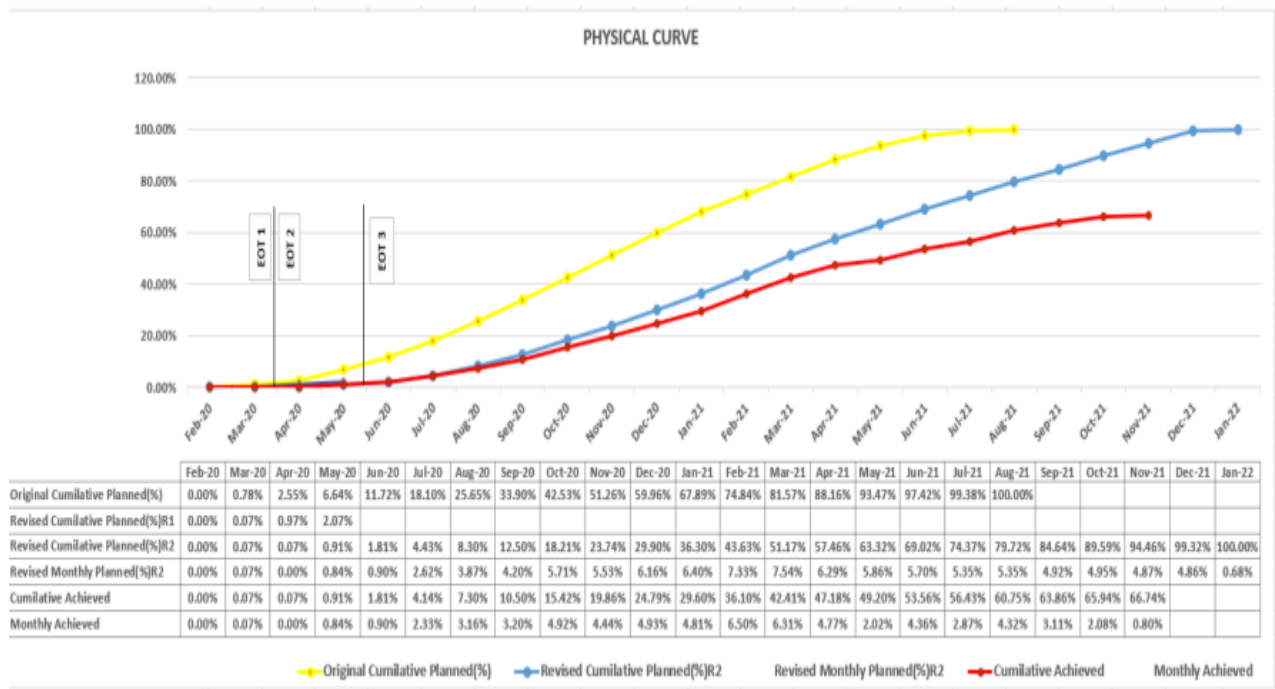


Figure 29: Graph of Physical progress [percentage] vs Time [month], illustrating the Physical 'S' curve

Table 30: KU 05-R Physical progress

Package No	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU5-R	89.59	65.94	4.87	0.80	94.46	66.74	4.86

## Financial S-Curve of KU 05-R

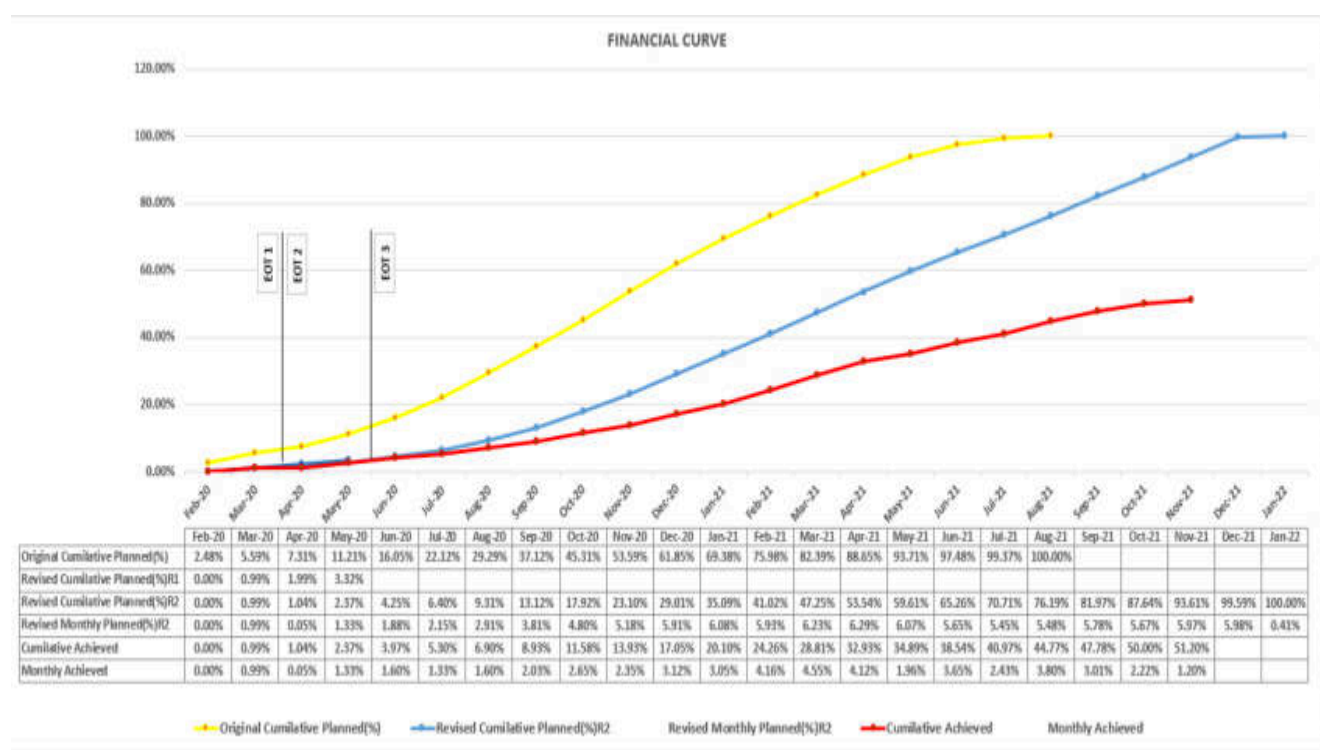


Figure 30: Graph of financial progress [percentage] vs time [month] in KU 05-R, illustrating Financial 'S' curve

Table 31: KU 05-R Financial Progress

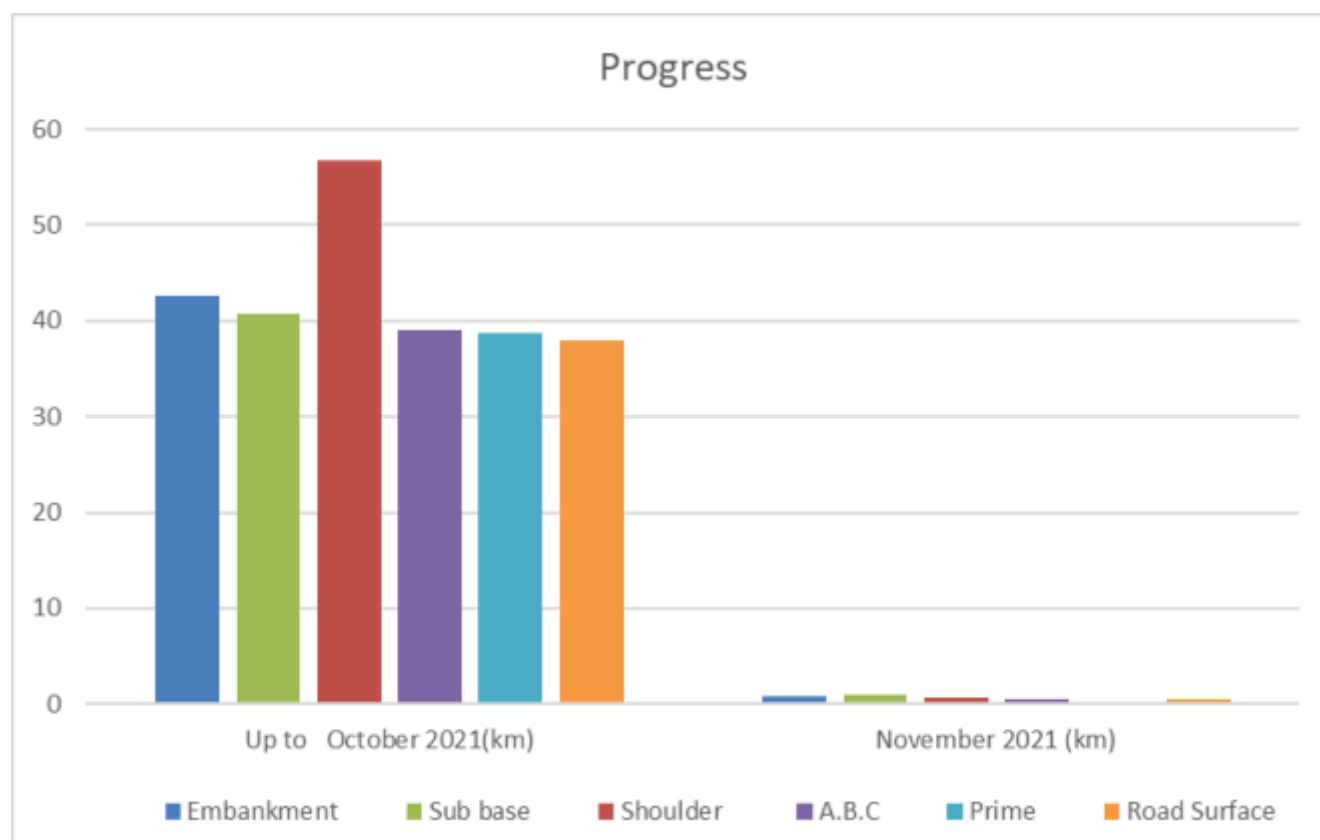
Package No	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
KU5-R	87.64	50.00	5.97	1.2	93.61	51.20	5.98

- Planned Physical and Financial progress have been taken from the Revised 8.3 Programme (R2) {Based on EOT No. 2 and 3}

## Progress Summary of Road and Structural works – KU 05-R

**Table 32: Length wise Progress summary of the main activities of the Road works**

KU5-R					
Description	Total Length(km)	Up to October 2021(km)	November 2021 (km)	Cumulative (km)	Next Month Target(km)
Embankment	64.25	42.66	0.80	43.46	3.00
Sub base	64.25	40.73	0.97	41.70	3.00
Shoulder	101.21	56.72	0.60	57.32	3.00
A.B.C	64.25	39.12	0.49	39.61	3.00
Prime	64.25	38.68	0.00	38.68	3.00
Road Surface	64.25	38.01	0.50	38.51	3.00



**Figure 31: Chart of road works progress in KU 05-R**

## PHYSICAL PROGRESS WEIGHTING TABLE of KU 05-R

PHYSICAL PROGRESS SUMMARY AS AT -		30-Nov-21		
ITEM NO	DESCRIPTION	PHYSICAL PROGRESS		Percentage of Physical Progress Cumulative
		KU05-R		
		Cumulative Activity Progress %	Weighting factor	
1	Survey and Design	98.15%	6	5.89%
2	Site clearing	81.75%	3	2.45%
3	Excavation-(Sub grade +Trimming Leveling)	70.94%	6	4.26%
4	Embankment	68.82%	5	3.44%
5	Sub base	66.04%	10	6.60%
6	Shoulder	57.27%	7	4.01%
7	Dense Graded Aggregate Base	62.74%	12	7.53%
8	Priming	61.30%	3	1.84%
9	Wearing Course Construction	60.98%	20	12.20%
10	Culverts and Retaining Structures	99.45%	13	12.93%
11	Bridges and Causeways	50.00%	1	0.50%
12	Channel excavation	18.70%	3	0.56%
13	Build up drains	58.61%	3	1.76%
14	Providing House access	59.25%	4	2.37%
15	Top soiling & Grassing	15.05%	1	0.15%
16	Road marking	12.99%	2	0.26%
17	Traffic signs	0.00%	1	0.00%
Cumulative progress %		66.74%		
Previous Month Cumulative Progress %		65.94%		
This Month progress %		0.80%		



Table 33: Progress summary of Structural works KU 05-R

Road No.	Total Nos to be Improvement	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Top half Encasement		
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.	Completed	In progress
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress			
12	23	26					12	11	1							2	2		1	1		8	8	
13	26	41		1			8	6					4	2		2	1	1	4	2		7	3	4
14	13	35					11		1				1	1					1	1				
24	0	9																						
26	2	28					1	1		1	1													
29	29	34		4	4		18	18								1	1					6	6	
61	1	21														1	1							
62	8	22		2	2		6	5																
65	11	11					9	7	1							1	1		1	1				
70	9	39					7	6														2	1	
77	5	17					3	3								1	1		1	1				
79	23	29					10	10					1	1		8	8		1	1		3	3	
80	11	19		1			9	5	3							1	1							
83	12	22					10	10											2	2				
89	12	14		1			4	2	2													7	7	
95	12	15		3	3		8	8											1	1				
99	3	24					2	2								1	1							
Page Total	200	406	0	12	9	0	118	94	8	1	1	0	6	4	0	18	17	1	12	10	0	33	28	4

**Table 34: EOT Status – KU 05-R**

Claim No.	Reason for EOT	Status	Initial Completion Date	EOT No.	EOT (days)	New Completion Date	Remarks
No.01	Direct Effect of Covid19	Approved by Employer	19 <sup>th</sup> of August 2021	1	60	18 <sup>th</sup> of October 2021	Completed
No.02	Exceptionally Adverse Climatic Conditions	Approved by Employer	18 <sup>th</sup> of October 2021	2	34	21 <sup>st</sup> of November 2021	Completed
No.03	Following Health Guidelines	Submitted to Secretary	21 <sup>st</sup> of November 2021	3	44	04 <sup>th</sup> of January 2022	Engineer Accepted for 44 days

***Progress Photographs KU 05-R***

	
<p><b>Picture No. 25:</b> Asphalt laying on Road ID 65 at Ch. 00+980</p>	<p><b>Picture No. 26:</b> Sub base laying on Road ID 80 at Ch. 03+530</p>



	
<p><b>Picture No. 27:</b> Rock filling on Road ID 89 at Ch. 03+420</p>	<p><b>Picture No. 28:</b> Culvert Construction on Road ID 13 at Ch. 04+213</p>
	
<p><b>Picture No. 29:</b> Sub base laying on Road ID 80 at Ch. 03+790</p>	<p><b>Picture No. 30:</b> Asphalt laying on Road ID 65 at Ch. 00+870</p>

## 2.2.0: CRCs in Puttalam

### 2.2.1: Contract PU 01 – Contractor Ranken Railway Construction Company Ltd.

-The Contract Package PU 01 consists of 11 roads totalling 90.56 km and the accepted contract value is LKR 1,706,320,523.61.

- All 11 roads, of the PU 01 package, were handed over to the RDA on the 28<sup>th</sup> of February 2020, and the original Defect Notification Period ends on the 28<sup>th</sup> of February 2021.

- The Defect Notification Period was extended from 28<sup>th</sup> of February 2021 to 30<sup>th</sup> of June 2021 upon Employer's recommendation via letter RDA/iROAD/PD-NWP/PBM/03/009 on the 29<sup>th</sup> of January 2021.
- The contractor was informed of the above extension and revised expiry dates of each and every road via letter iROAD/PIC-02/Ranken/PU1/01/6022 on 29<sup>th</sup> of January 2021.
- Due to the continuous failure of the contractor to remedy the noticed defects during the current Defect Notification Period, the Engineer has further extended the Defect Notification Period until 31<sup>st</sup> of December 2021 via letter iROAD/PIC-02/Ranken/PU1/01/6166 on 31<sup>st</sup> of May 2021.

### Contract PU 01 - Physical Progress

- Project has been completed successfully and PBM works are in progress.

**Table 35: Contract PU 01- All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length / km
01.	08	Sirambiadiya, 4th mile post, Manaweriya, Sellakandal area	PS	7.28
02.	11	Wanathavilluwa - Moroththawa School Road	PS	7.07
03.	12	Eluwankulama - Gangewadiya Road	PRDD	6.61
04.	14	Thehili Aththala Internal Road	PRDD	3.46
05.	15	Kandakuda- Palliwasalthurai Road	PRDD	7.43
06.	01	Mahauswewa-Waththegedara -Thalgaswewa	PRDD/PS	12.13
07.	05	Welewewa Garment junction- Tharanagahawewa-Rajawegama Road	PS	12.01
08.	06	Internal road at Nawagaththegama -Galgamuwa Road	PRDD	2.98
09.	07	Saliyawewa junction to Neelabemma Road	PRDD	13.00



Serial No.	Road No.	Road Name	Road Category	Length / km
10.	44	Thabbowa, Karuwalagaswewa, Outer Circle	PRDD	7.06
11.	43	Mailankulama-Thabbowa Temple junction	PRDD	13.11

- EOT-1 up to 30<sup>th</sup> of April 2019 is approved by the Employer.
- EOT-2 up to 27<sup>th</sup> of July 2019 is approved by the Employer.
- EOT-3 up to 29<sup>th</sup> of October 2019 is approved by the Employer.
- EOT-4 Engineer has recommended it up to 15<sup>th</sup> of November 2019 and submitted to the Employer.
- EOT under Ex-gratia – Contractor has submitted their last EOT up to the 28<sup>th</sup> of February 2020 as Ex-gratia basis and has been approved by the Employer.

#### **2.2.2: Contract PU 02 – Contractor V. V. Karunaratne & Company**

33. This contract has been TERMINATED through letter Ref. No.: RDA/ADB/iROAD/GEN dated 19<sup>th</sup> of July 2019 and the effective date, by which the contractor has to vacate the site is on the 02<sup>nd</sup> of August 2019.

**Table 36: Progress at Termination**

Contract Package	Physical Progress at Termination	Financial Progress at Termination
PU 02	40.58%	45.05%

## 2.2.2.1: Status at Termination

### A. Roads Works

Serial No	DS.Division	Road ID	Road Name	Road Category	Length (Km)	Progress Up to End of Progress Up to End of December 2019												
						1 km	2 km	3 km	4 km	5 km	6 km	7 km	8 km	9 km	10 km	11 km	12 km	13 km
1	Pallama	3	Adammana Junction to Madawakkulama Road	PS	9.78													
2	Mahakubukkadawala	4	Mahakubukkadawala Kottukachchiya Road	PRDD	12.34													
3	Puttalam	9	Madyama Attavilluwa to Kiula Road	PS	3.67													
4	Arachikattuwa	26	Arachikattuwa to Pallama via Adippala	PRDD	10.91													
5		27	Nalladurankattuwa to Wendakaduwa via Aththanaganyaya	PRDD	12.52													
6	Chilaw	29	Thiththakade to Manuwangama via Thissogama Co-operative Shop	PRDD	5.26													

**Note:** Road ID No. 13, 2, 45, 28, 30 Earth work Construction Still Has Not Started.

■ Earthwork in progress  
■ ABC Completed  
■ Asphalt Completed

Figure 32: Completed Road works at time of termination for PU 02

### B. Structures

Road No.	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert						Cleaning & Repairing of Culvert		
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			RHS			Total Nos.	Completed	In progress
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress			
2	26	26		5			7						3			2			11		
3	43	43		1	1		14	12		1	1		13	3	1	10	2	1	14	11	
4	50	50					10	5	1	1			4	1	1	3	1	1	35		
9	7	7		1	1		4	3	1										2		
13	12	12		4		1	2						4	1	2	4	1	2	2		
26	29	29		2	2		7	6								1	1		19	19	
27	46	46					5	2		1		1	7	5	2	8	6	2	31	31	
28	8	8					3						1			1			3		
29	21	21		1			12	5					3			2			4		
30	6	6					3						2			1			1		
45	8	8					1						4			4			3		
Page Total	256	256	0	14	4	1	68	33	2	3	1	1	41	10	6	36	11	6	125	61	0

Figure 33: Progress of Structural works at time of termination for PU 02

## Emergency Balance Work in PU 02 Package (Road ID 04, 09 and 26)

- All the Emergency Balance Works have been completed by the PU 02 Contractor.

### 2.2.3: Contract PU 02-R1 - Contractor EDWARD AND CHRISTIE

#### Contract PU 02-R1 – Contract Details

- All the approved designs, Survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.

No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount	Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
PU2-R1	Edward & Christie	933,253,206.00	No	16/10/2020	15/12/2020	05	30.62	Rev 0

Figure 34: Illustrates details of contract PU 02-R1

#### Physical S-Curve of PU 02-R1

##### **PHYSICAL “S” CURVE FOR REHABILITATION & IMPROVEMENT OF 30.62 km OF RURAL ROADS IN PUTTALAM DISTRICT FUNDED BY ASIAN DEVELOPMENT BANK (PU2-R1)**

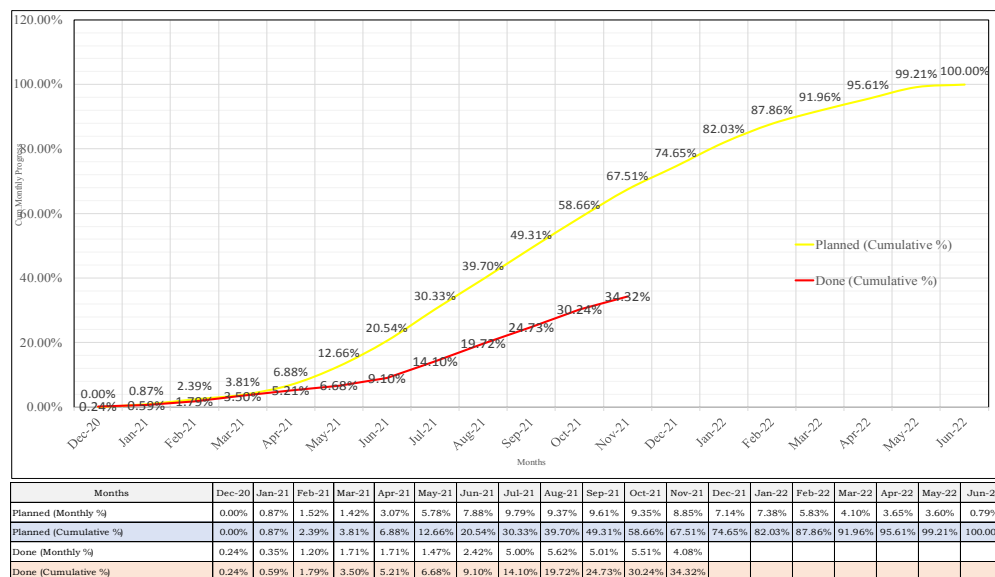


Figure 35: Graph of Physical progress illustrating the Physical ‘S’ curve

Table 37: PU 02-R1 Physical progress as per the master program

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
PU 02-R1	Planned	Actual	Planned	Actual	Planned	Actual	7.14
	58.66	30.24	8.85	4.08	67.51	34.32	

Financial S-Curve of PU 02-R1

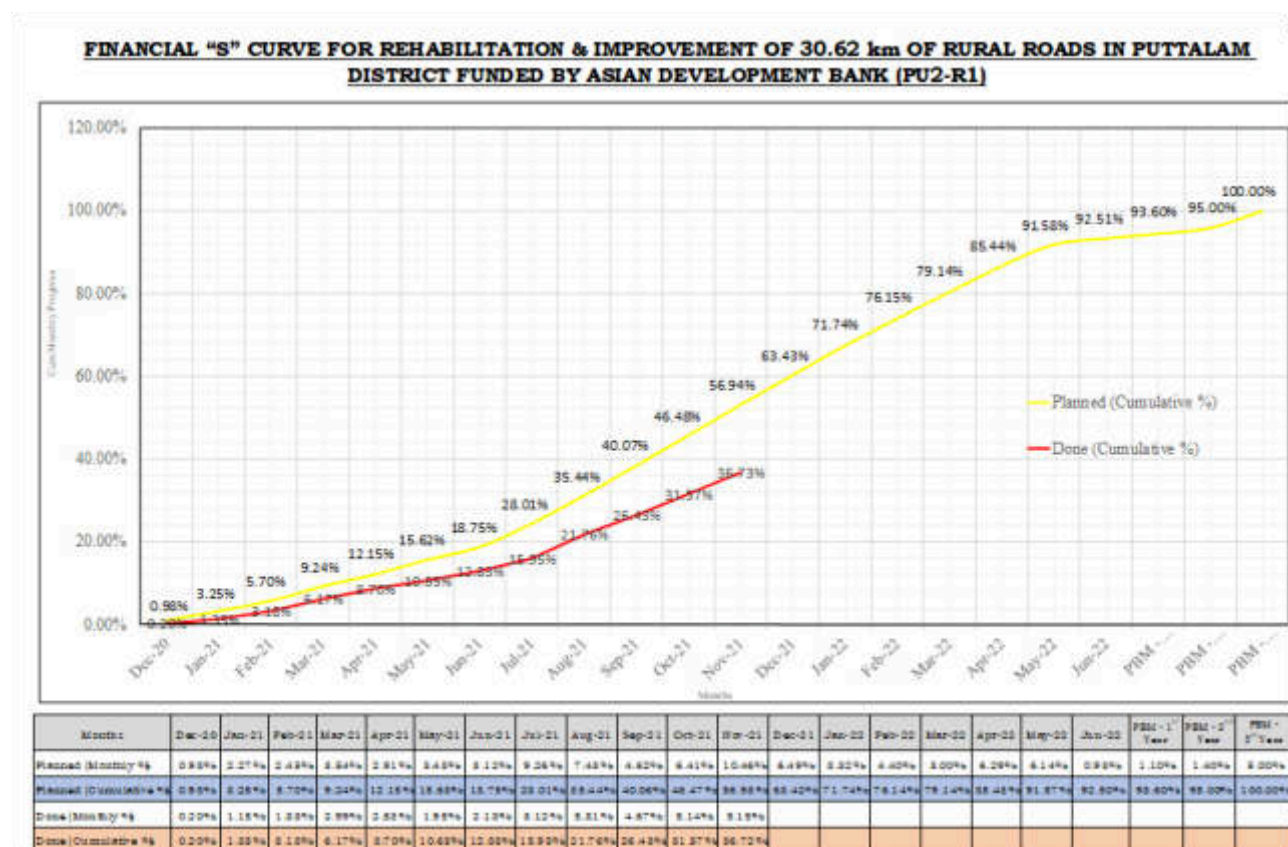


Figure 36: Graph of Financial progress illustrating the Financial 'S' curve

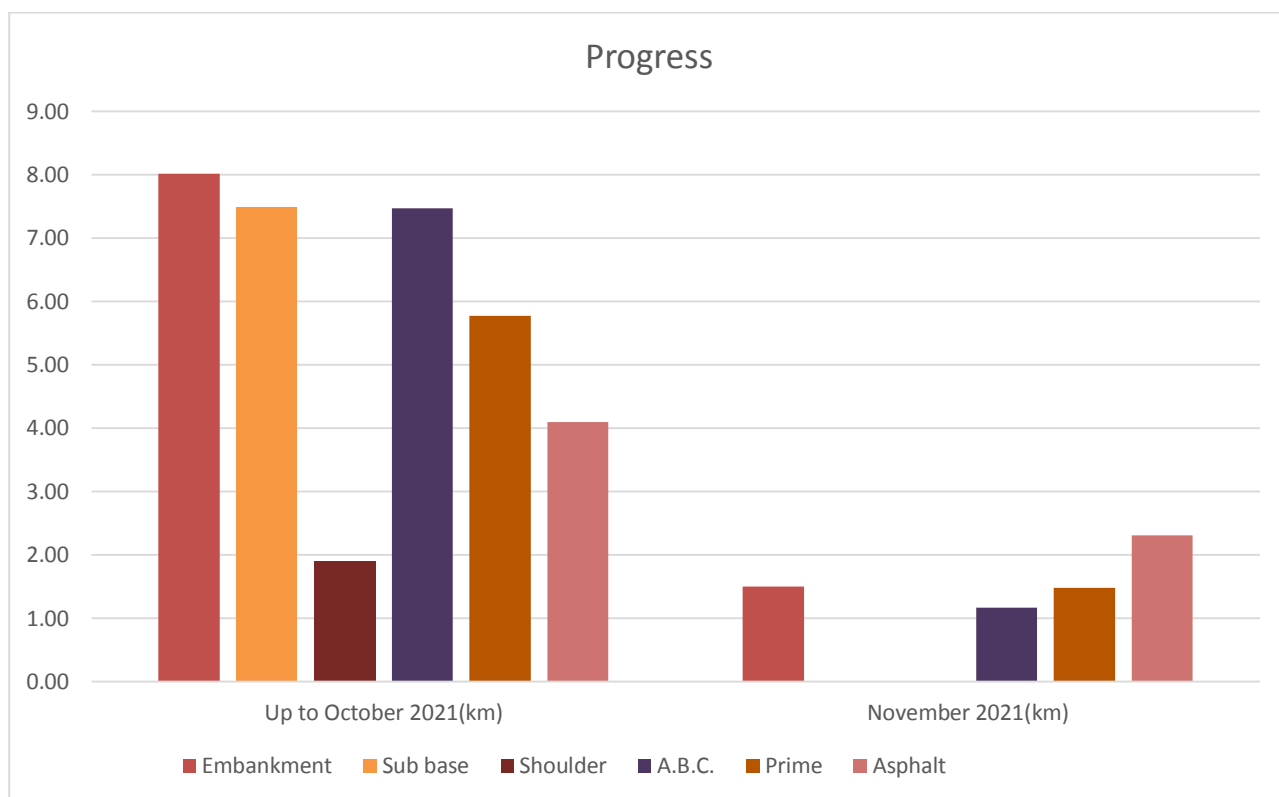
**Table 38: PU 02-R1 Financial progress as per the master program**

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target
	Planned	Actual	Planned	Actual	Planned	Actual	
PU 02-R1	46.47	31.57	10.46	5.15	56.93	36.72	6.49

**Progress summary of Road and Structural works for PU 02-R1**

**Table 39: Length wise Progress summary of the main activities of the Road works**

Description	Total Length / km	Up to October 2021(km)	November 2021(km)	Cumulative /km	Next Month Target (km)
Embankment	18.00	8.02	1.50	9.52	2.22
Sub base	13.61	7.48	0.00	7.48	0.60
Shoulder	28.62	1.90	0.00	1.90	3.00
A.B.C.	18.00	7.47	1.17	8.64	2.95
Prime	18.00	5.77	1.48	7.25	3.11
Asphalt	18.00	4.10	2.31	6.41	3.91



**Figure 37: Chart illustrating progress summary of Road works for PU 02-R1**

#### PHYSICAL PROGRESS WEIGHTING – PU 02-R1

Item No.	Description	Weighting	Physical Progress in November (%)	Cumulative of Physical Progress (%)
1	Design works	1.90%	0.00%	1.90%
2	Clearing & Grubbing	4.35%	0.26%	1.84%
3	Embankment Construction	14.40%	1.20%	7.62%
4	Trimming, Levelling & Compaction	4.76%	0.40%	2.52%
5	Sub base construction	8.79%	0.00%	5.05%
6	ABC laying & compaction	8.97%	0.59%	4.31%
7	Prime coat & blotting material	4.65%	0.38%	1.87%
8	Tack coat & Asphalt laying	8.87%	1.14%	3.16%
9	Shoulder construction	8.01%		0.53%
10	Lead ways, Drains & House Access	5.37%		0.19%
11	Top soiling & grass Sodding	6.72%		
12	Channel excavation	5.37%	0.09%	0.09%
13	Road marking & Fixing Traffic signs	1.61%		
14	Culverts & Retaining walls	16.23%	0.02%	5.24%
<b>Cumulative progress %</b>		<b>100.00%</b>	<b>4.08%</b>	<b>34.32%</b>

**Table 40: Progress summary of Structural works PU 02-R1**

**REHABILITATION/IMPROVEMENT OF RURAL ROADS IN THE PUTTALAM DISTRICT - PU2-R1**  
**SUMMARY OF PROGRESS-STRUCTURAL IN END OF NOVEMBER**

Road ID	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert			Remarks
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.	Completed	In progress	
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress				
45	10	1					4	3	1							1	1		1	1		4	4		
13	11	1		3	3		5	5														3	3		
9	7	1																				7			
4	50	1					5	1	2				2			2						41	1	2	
2	27	1		5			6		1				1			1			1			13			
Total	105	5	0	8	3	0	20	9	4	0	0	0	3	0	0	4	1	0	2	1	0	68	8	2	

**Progress Photographs (PU 02-R1)**



**Picture No. 31:** Road ID 13 – Ch. 01+605 – Ch. 01+620 BS - Asphalt Laying



**Picture No. 32:** Road ID 02 – Ch. 00+900 – Ch. 00+950 BS - Priming

	
<p><b>Picture No. 33:</b> Road ID 09 – Ch. 00+960 – Ch. 01+000 BS - ABC Laying</p>	<p><b>Picture No. 34:</b> Road ID 09 – Ch. 00+960 – Ch. 01+000 BS - Sub Grade Preparation</p>
	
<p><b>Picture No. 35:</b> Road ID 04 – Ch. 09+700 – Ch. 09+800 BS – Trimming and Levelling</p>	<p><b>Picture No. 36:</b> Road ID 04 – Ch. 10+500 – Ch. 10+550 BS - ABC Laying</p>

#### 2.2.4: Contract PU 02-R2 - Contractor LUXMAN METAL CRUSHERS & ENTERPRISES

##### Contract PU 02-R2 – Contract Details

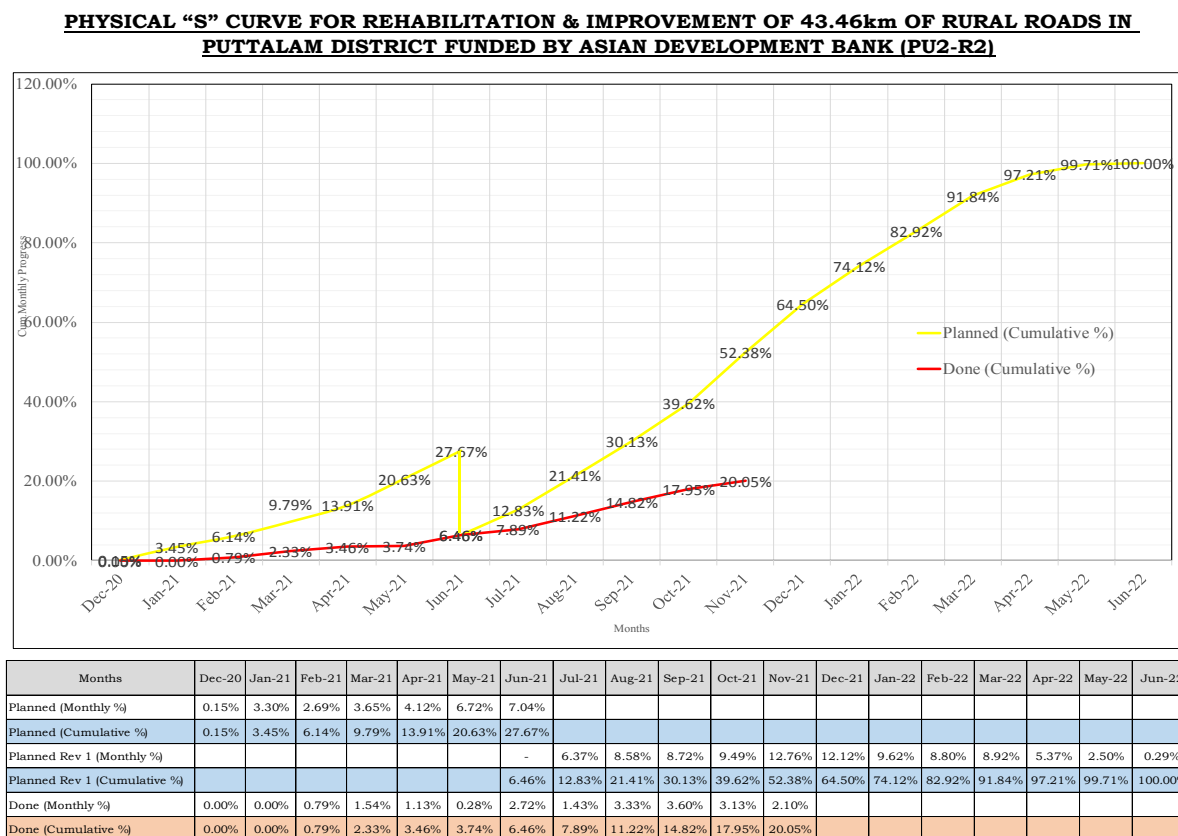
- All the approved designs, survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.



No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount	Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
PU2-R2	Luxman Metal Crushers & Enterprises	788,986,587.00	No	16/10/2020	15/12/2020	06	43.46	Rev 0

**Figure 38: Illustrates the details of contract PU 02-R2**

### Physical S-Curve of PU 02-R2



**Figure 39: Graph of Physical progress illustrating the Physical ‘S’ curve**

Table 41: PU 02-R2 Physical progress as per the master program

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
PU 02-R2	39.62	17.95	12.76	2.10	52.38	20.05	12.12

Financial S-Curve of PU 02-R2

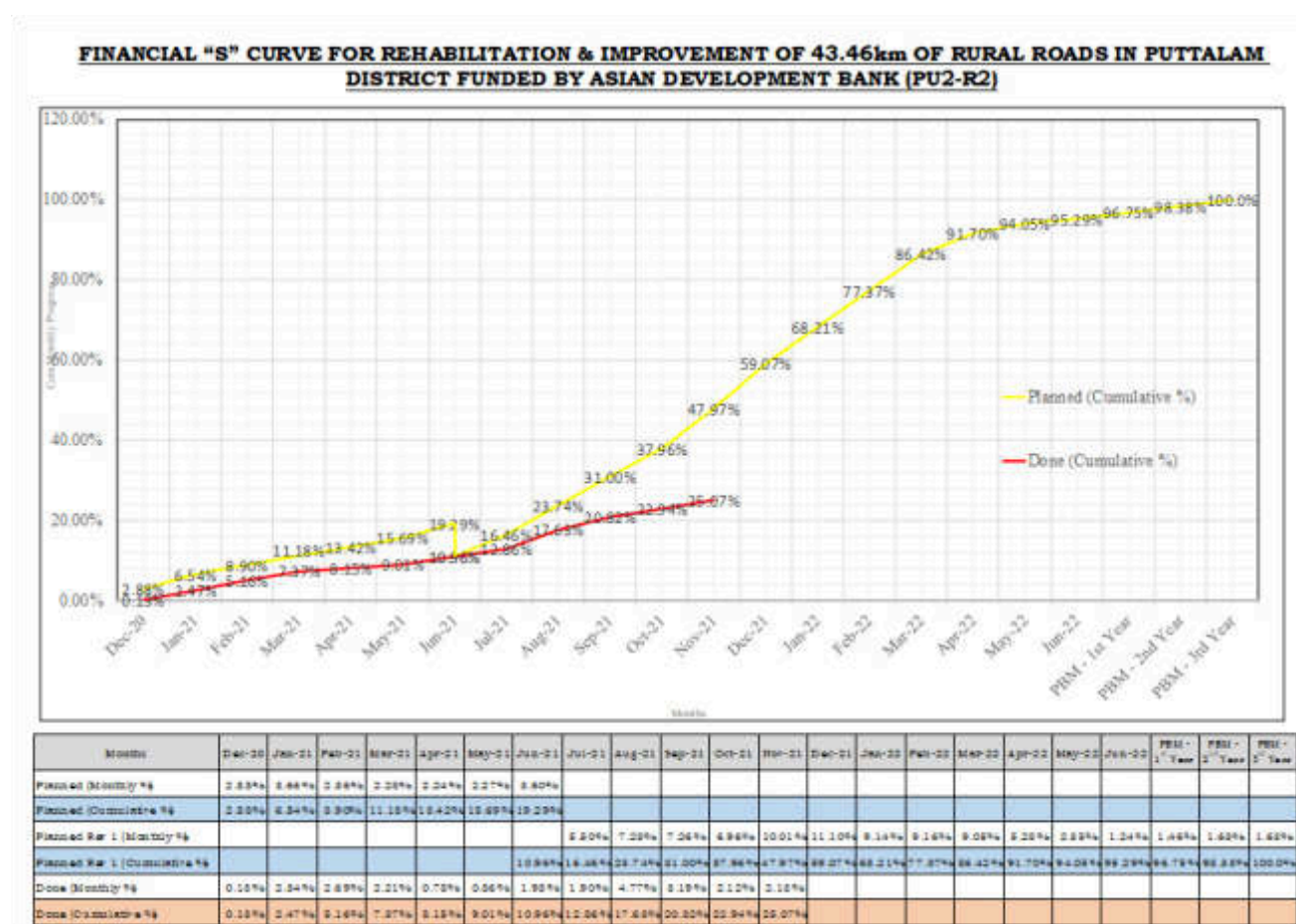


Figure 40: Graph of Financial Progress illustrating the Financial 'S' curve

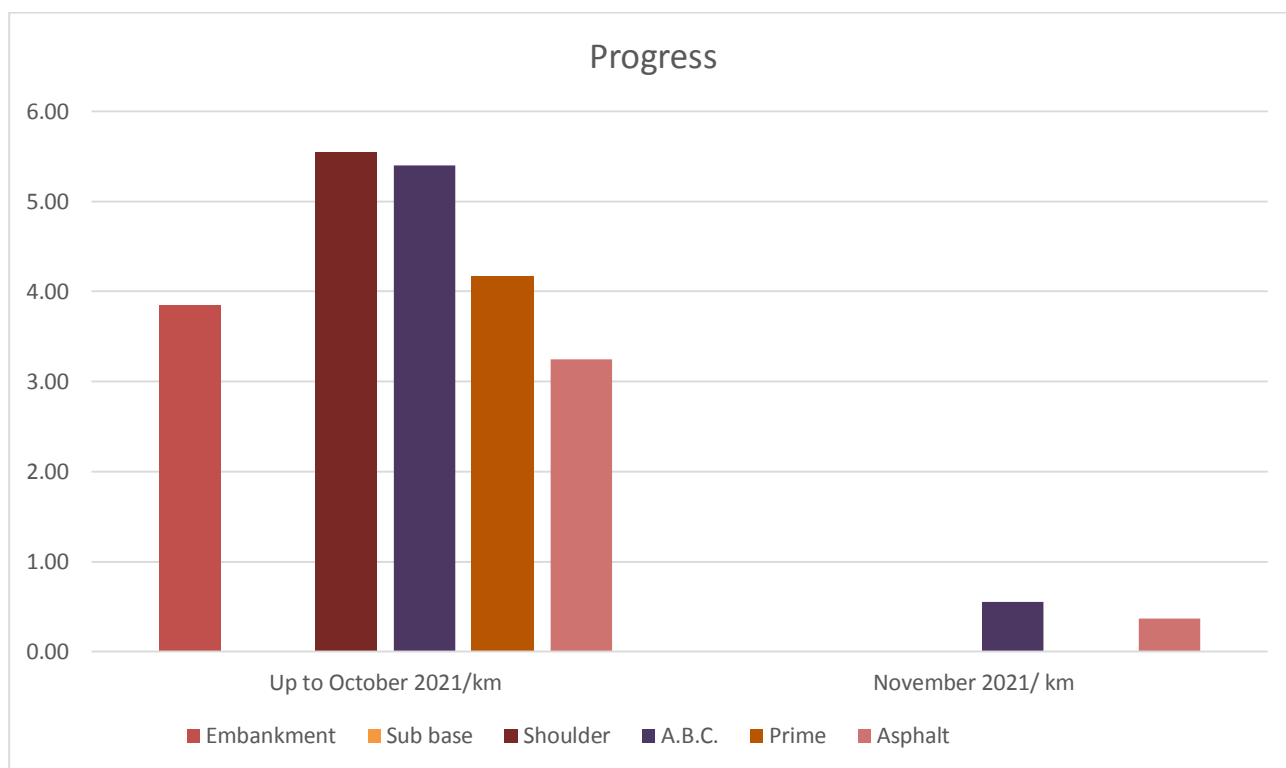
**Table 42: PU 02-R2 Financial progress as per the master program**

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target
	Planned	Actual	Planned	Actual	Planned	Actual	
PU 02-R2	37.96	22.94	10.01	2.13	47.97	25.07	11.10

**Progress summary of Road and Structural works for PU 02-R2**

**Table 43: Length wise Progress summary of the main activities of the Road works**

Description	Total Length / km	Up to October 2021/km	November 2021/ km	Cumulative / km	Next Month Target (km)
<b>Embankment</b>	18.99	3.85	0.00	3.85	3.00
<b>Sub base</b>	10.30	0.00	0.00	0.00	-
<b>Shoulder</b>	18.99	5.54	0.00	5.54	3.00
<b>ABC</b>	18.99	5.40	0.55	5.95	3.10
<b>Prime</b>	15.68	4.17	0.00	4.17	3.57
<b>Asphalt</b>	15.68	3.25	0.37	3.62	4.11



**Figure 41: Chart illustrating progress summary of Road Works for PU 02-R2**

#### PHYSICAL PROGRESS WEIGHTING – PU 02-R2

Item No.	Description	Weighting	Physical Progress in November (%)	Cumulative of Physical Progress (%)
1	Design works	2.18%		2.18%
2	Clearing and Grubbing	5.06%	0.12%	1.94%
3	Trimming, levelling and compaction	4.81%	0.04%	1.84%
4	Embankment construction	10.54%		2.90%
5	Sub base Construction	4.81%		0.00%
6	Initial Shoulder laying and compaction	4.86%		0.77%
7	Final Shoulder Construction	8.76%		1.11%
8	Concrete pavement	4.36%	0.86%	1.02%
9	ABC Construction	7.96%	0.23%	2.49%
10	Priming works	3.79%		0.97%
11	Tack Coat and Asphalt concrete	5.62%	0.13%	1.26%
12	Drainage	8.50%	0.09%	0.23%
13	Grass Sodding	5.76%		
14	Road Markings	3.92%		
15	Culverts & Retaining walls	19.05%	0.64%	3.33%
<b>Cumulative progress %</b>		<b>100.00%</b>	<b>2.10%</b>	<b>20.05%</b>

**Table 44: Progress summary of Structural works PU 02-R2**

**REHABILITATION/IMPROVEMENT OF RURAL ROADS IN THE PUTTALAM DISTRICT - PU2-R2**  
**SUMMARY OF PROGRESS - STRUCTURAL IN END OF NOVEMBER 2021**

Road ID	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert			Remarks
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.	Completed	In progress	
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress				
27	45	1					3	1	1				1			6	2		1			34	3		
26	30	1					1	1					1	1		1			1	1		26			
3	43	1					3	2					5	1	1	2			2			31			
28	10	1					3									1			2			4			
29	24	1		1			12						2									9			
30	9	1					4						1									3			1 culvert - Decision Pending
Total	161	5	0	1	0	0	26	4	1	0	0	0	10	2	1	10	2	0	6	1	0	107	3	0	

**Progress Photographs (PU 02-R2)**



**Picture No. 37:** Road ID 26 – Ch.10+620 – Ch.10+680  
BS - Rigid Pavement



**Picture No. 38:** Road ID 03 – Ch.06+480 – Ch.06+520 BS - Asphalt Laying

	
<p><b>Picture No. 39:</b> Road ID 03 – Ch.06+003 BS - Encasement Concreting</p>	<p><b>Picture No. 40:</b> Road ID 03 – Ch.06+480 – Ch.06+520 BS - Asphalt Compaction</p>
	
<p><b>Picture No. 41:</b> Road ID 03 – Ch.09+340 – Ch.09+360 BS - Trimming and Levelling</p>	<p><b>Picture No. 42:</b> Road ID 03 – Ch.08+160 – Ch.08+200 BS - ABC Compaction</p>

### 2.2.5: Contract PU 03 – Contractor V. V. Karunaratne & Company

35. The Contract Package PU 03 consists of 15 roads totalling 48.37 km and the accepted contract value is LKR 1,210,355,904. June 2019, they have abandoned the site and they have closed their site offices with only minor staff. All the machineries from the site have been removed by the contractor without the consent of the Engineer or the Employer. The Engineer has recommended that the Client exercise their rights in issuing Sub Clause 15.2 – Termination Notice to the contractor.

- This project has been TERMINATED by the Employer through letter Ref. No.: RDA/ADB/IROAD/GEN dated 13.11.2019.

**Table 45: Progress at Termination**

Contract Package	Physical Progress at Termination	Financial Progress at Termination
PU 03	60.00%	57.40%

## 2.2.5.1: Status at Termination – PU 03

### A. Road Works

Serial No	DS.Division	Road ID	Road Name	Road Category	Length (Km)	Progress Up to End of December 2019						
						1 km	2 km	3 km	4 km	5 km	6 km	7 km
1	Madampe	31	Madampe Ihalagama Road	PS	1.69							
2		32	Suduwella Junction to Mukunuwatawana Road	PS	2.42							
3	Nattandiya	16	Megahawilla Junction to Yakkdessawa Primary School Road	PRDD	2.65							
4		17	Bandirippuwa to Maningala via Sadanangama Katuwagoda Road	PRDD	3.86							
5	Mahawewa	21	Waduraba BO Tree to Walahapitiya Cemetery via Muttibadivila Post office Road	PRDD	6.79							
6		22	Yatakalana temple to Thabbowa kotabagaha Road	PRDD	5.09							
7		24	Gurugodalla to Kuliyapitiya Nattandiya main Road	PS	1.49							
8	Wennappuwa	33	Srigampola Church to Zinnor Junction via Aubowan Junction	PRDD	2.89							
9		34	Weralugaha road Balldi junction Bandaranayake Janapadaya to Dummaladeniya Haldaduwana Road	PRDD	4.27							
10		36	Bandirippuwa-Kirimetiya Jerad mawatha to end of Jaya Mawatha	PRDD	4.29							
11	Dankotuwa	38	Dekwela Road	PRDD	2.33							
12		39	Atiyawela Road (North)	PRDD	1.85							
13		40	Atiyawela Mohottimulla Road	PRDD	2.91							
14		41	Kirimatiyana Varalla Watta Road	PRDD	3.40							
15		42	Morukkuliya to Dankotuwa	PRDD	2.45							
<b>Note: Earth Work Construction Started for all Roads.</b>						<div><div></div></div>	<b>Earthwork in progress</b>					
						<div><div></div></div>	<b>ABC Completed</b>					
						<div><div></div></div>	<b>Asphalt Completed</b>					

**Figure 42: Completed Road works at time of termination for PU 03**



## B. Structures

Road No.	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert						Cleaning & Repairing of Culvert			Concrete Line Drain			Retaining Wall			Cross Drain		
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			RHS			Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress												
16	10	10	-	-	-	-	1	1	-	-	-	-	5	5	-	1	1	-	6	4	-	-	-	-	-	-	-	-	-	-
17	16	16	-	2	-	-	3	1	1	-	-	-	2	1	1	1	-	-	9	1	-	-	-	-	-	-	-	-	-	-
18																														
21	20	20	-	2	-	-	8	5	1	-	-	-	1	1	-	1	1	-	10	-	-	-	-	-	-	-	-	-	1	-
22	8	8	-	-	-	-	3	-	2	-	-	-	1	-	-	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-
24	5	5	-	-	-	-	1	-	-	-	-	-	2	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
31	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-
32	8	8	-	-	-	-	4	3	1	-	-	-	-	-	-	1	-	-	4	2	-	-	-	-	-	-	-	-	-	-
33	7	7	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	5	1	1	-	-	-	-	-	-	-	-	-
34	7	7	-	-	-	-	3	-	-	1	-	-	2	-	-	2	-	-	1	-	-	-	-	-	-	-	-	1	-	-
36	8	8	-	2	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
38	5	5	-	-	-	-	-	-	-	-	-	-	2	-	-	3	-	2	2	-	-	-	-	-	-	-	-	-	-	-
39	7	7	-	-	-	-	1	-	1	-	-	-	1	1	-	1	1	-	4	-	-	-	-	-	-	-	-	-	-	-
40	13	13	-	1	-	-	2	2	-	-	-	-	3	1	-	4	3	-	7	-	-	-	-	-	-	-	-	-	-	-
41	6	6	-	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	4	-	-	-	-	-	-	-	-	-	-	-
42	3	3	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-
Page Total	125	125	0	9	0	1	30	12	6	1	0	0	21	9	1	21	8	3	63	10	1	0	0	0	0	0	0	2	0	0

**Figure 43: Progress of Structural works at time of termination for PU 03**

### Emergency Balance Work in PU 03 Package (Road ID 17, 21, 22, 34 and 38)

- All the Emergency Balance Works have been completed by the contractor of PU 01.

### 2.2.6: Contract PU 03-R - Contractor Consulting Engineers & Contractors (PVT.) Ltd.

#### Contract PU 03-R - Current Status

- All the approved designs, survey details, test reports, other relevant documents etc. which are already available, were handed over to the new contractor for their review and acceptance.

No.	Contractor	Accepted Contract Amount	Latest Cost to Completion amount	Date of LOA	Date of Commencement	No. of Roads	Package Length (km) (As per the LOA)	Current Clause 8.3 Programme Revision No
PU3-R	CEC (Pvt) Ltd	896,648,172.00	No	16/10/2020	15/12/2020	15	48.37	Rev 0

**Figure 44: Illustrates the current status of contract PU 03-R**



## Physical S-Curve of PU 03-R

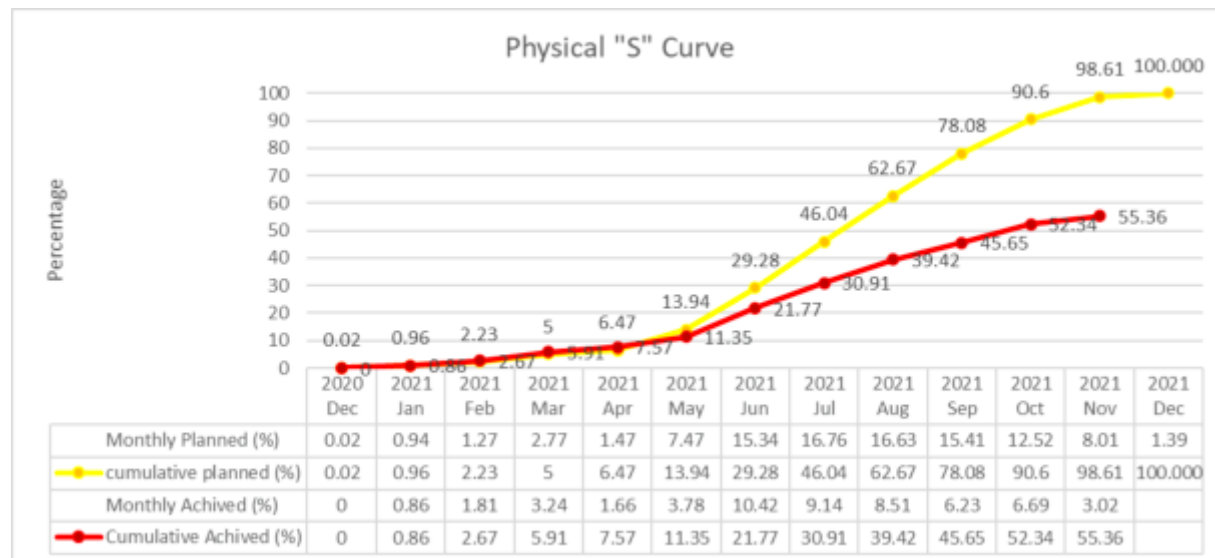


Figure 45: Graph of Physical progress illustrating the Physical 'S' curve

Table 46: PU 03-R / Physical progress

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021 (%)		Cumulative Progress up to end of November 2021 (%)		Next Month Target (%)
	Planned	Actual	Planned	Actual	Planned	Actual	
PU 03-R	90.60	52.34	8.01	3.02	98.61	55.36	1.39

## Financial S-Curve of PU 03-R

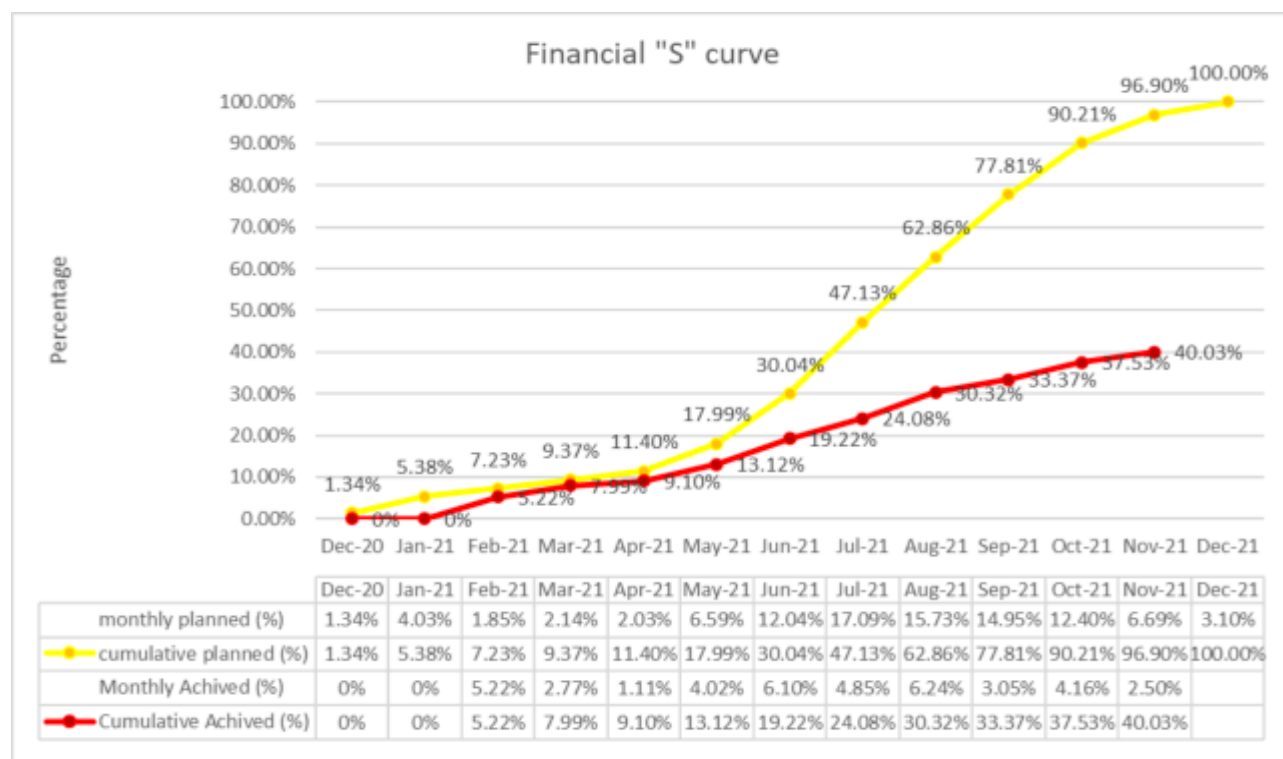


Figure 46: Graph of Financial progress illustrating the Financial 'S' curve

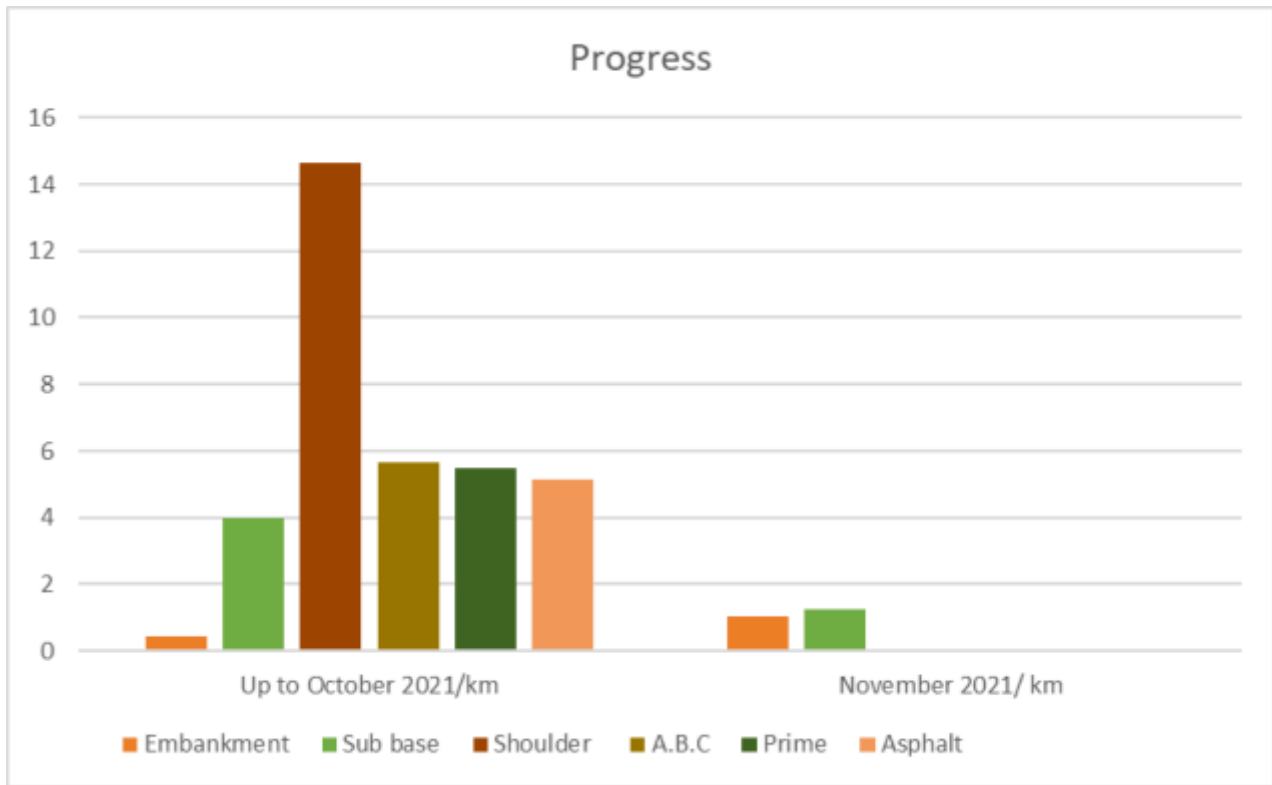
Table 47: PU 03-R Financial Progress

Package No.	Cumulative Progress up to end of October 2021 (%)		Monthly Progress November 2021		Cumulative Progress up to end of November 2021		Next Month Target (%)
			2021 (%)		2021 (%)		
PU 03-R	Planned	Actual	Planned	Actual	Planned	Actual	3.10
	90.21	37.53	6.69	2.50	96.90	40.03	

## Progress summary of Road and Structural works – PU 03-R

**Table 48: Length wise Progress summary of the main activities of the Road works**

<b>PU 03-R Description</b>	<b>Total Length (Km)</b>	<b>Up to October 2021 (Km)</b>	<b>November 2021 (Km)</b>	<b>Cumulative (Km)</b>	<b>Next month Target (Km)</b>
<b>Embankment</b>	2.68	0.42	1.04	1.46	2.32
<b>Subbase</b>	10.68	3.98	1.23	5.21	0.00
<b>Shoulder</b>	90.30	14.66	0.00	14.66	9.16
<b>A.B.C</b>	10.68	5.65	0.00	5.65	1.59
<b>Prime</b>	10.68	5.50	0.00	5.50	0.14
<b>Asphalt</b>	10.68	5.14	0.00	5.14	1.82



**Figure 47: Chart of road works progress in PU 03-R**

## PHYSICAL PROGRESS WEIGHTING – PU 03-R

Activity	New Weightage	Plan physical progress			Actual physical progress		
		Up to previous month	This month- November 2021	Cumulative up to this month	Up to previous month	This month- November 2021	Cumulative up to this month
Surveying	5.10%	5.10%	0.00%	5.10%	5.10%	0.00%	5.10%
Design works	9.80%	10.11%	0.00%	10.11%	7.20%	0.41%	7.61%
Site clearing	6.30%	8.52%	0.00%	8.52%	4.59%	0.18%	4.77%
Earthwork (Roadway excavation, Trimming, Embankment)	16.80%	16.03%	0.00%	16.03%	9.70%	0.00%	9.70%
Structure works	18.10%	15.64%	0.12%	15.76%	8.29%	0.52%	8.81%
Sub base	4.58%	4.47%	0.00%	4.47%	2.62%	0.47%	3.09%
Shoulder	18.48%	17.31%	2.86%	20.17%	9.20%	1.00%	10.20%
Aggregate Base course	5.82%	6.37%	0.34%	6.71%	2.66%	0.40%	3.06%
Prime coat	4.04%	2.79%	1.44%	4.23%	1.75%	0.00%	1.75%
Asphalt Laying	4.55%	3.03%	1.52%	4.55%	1.07%	0.00%	1.07%
Road Finishing works (Road marking, sign boards)	6.43%	1.23%	1.73%	2.96%	0.16	0.04%	0.20%
<b>Total</b>	<b>100.00%</b>	<b>90.60%</b>	<b>8.01%</b>	<b>98.61%</b>	<b>52.34%</b>	<b>3.02%</b>	<b>55.36%</b>

**Table 49: Progress summary of Structural works PU 03-R**

REHABILITATION/IMPROVEMENT OF RURAL ROADS IN THE PUTTALAM DISTRICT - PU3-R																									
SUMMARY OF PROGRESS-STRUCTURAL IN 31.11.2021																									
Road ID	Total Culvert	Culvert Condition Report		New Culvert			Reconstruction Culvert			Redecking Culvert			Widening Culvert									Cleaning & Repairing of Culvert			Remarks
	Nos.	Submitted	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	LHS			Both Side			RHS			Total Nos.	Completed	In progress	
													Total Nos.	Completed	In progress	Total Nos.	Completed	In progress	Total Nos.	Completed	In progress				
16	10	10																				10			
17	15	15		1			2		1										1			11			
21	19	19					6		3													13			
22	9	9					1		1							1		1				7			
24	5	5																				5		2	
31	2	2																				2			
32	8	8																	1			7			
33	6	6					1															5			
34	8	8		1			3		3				1		1	1		1				2			
36	7	7		1		1	3		3													3			
38	5	5																	3			2			
39	7	7					1									1						5			
40	13	13		1															2			10			
41	6	6		1			1		1				2									2			
42	3	3														1						2			
Page Total	123	123	0	5	0	1	18	0	12	0	0	0	3	0	1	4	0	2	7	0	1	86		2	

**Progress Photographs - PU 03-R**



**Picture No. 43:** Road ID 24 - Culvert construction



**Picture No. 44:** Road ID 17 - Sub base Laying



**Picture No. 45:** Road ID 17 - Embankment Construction



**Picture No. 46:** Road ID 17 - Embankment Construction



**Picture No. 47:** Road ID 17 - Sub base Laying



**Picture No. 48:** Road ID 17 - Sub base laying

**Table 50: Progress Summary of Culverts - North Western Province**

District	Contract	New Culvert			Reconstruction Culvert			Re-decking Culvert			Widening Culvert									Cleaning and Repairing of Culverts		
											LHS			RHS			Both					
		Total Nos	Completed	In progress	Total Nos	Completed	In progress	Total Nos	Completed	In progress	Total Nos	Completed	In progress	Total Nos	Completed	In progress	Total Nos	Completed	In progress	Total Nos	Completed	In progress
Kurunegala	KU4	21	16	2	62	44	3	13	12	0	13	8	0	15	10	0	15	13	1	238	74	0
Puttalam	PU1	35	35	0	41	41	0	1	1	0	25	25	0	31	31	0	0	0	0	161	161	0
	PU2	14	4	1	68	33	2	3	1	1	41	10	6	36	11	6	0	0	0	125	61	0
	PU3	9	0	1	30	12	6	1	0	0	21	9	1	21	8	3	0	0	0	63	10	1
Total		79	55	4	201	130	11	18	14	1	100	52	7	103	60	9	15	13	1	587	306	79

**Table 51: Status of GRC Committee Formation in Kurunegala & Puttalam Districts – NWP**

Contract No.	Contractor	No. of Roads	No. of Divisions	No. of GRC (Level 3 - DS) formed	No. of GRC (Level 2 - GN) formed
KU1	MAGA	16	7	7	17
KU2	KDAW-BMG JV	19	8	8	20
KU3	Ranken	12	6	6	15
KU4	VVK & Co.	12	8	8	12
KU5	Ranken	17	10	10	18
TOTAL		76	39	39	82



Contract No.	Contractor	No. of Roads	No. of Divisions	No. of GRC (Level 3 - DS) formed	No. of GRC (Level 2 - GN) formed
PU1	Ranken	11	6	6	11
PU2	VVK & Co.	11	7	7	11
PU3	VVK & Co.	15	5	5	15
TOTAL		37	18	18	37

### 2.3: Present Status of CRCs - North Central Province

#### 2.4.0: CRCs in Anuradhapura District

##### 2.4.1: Contract AP 01 - Contractor Maga Engineering PLC

-The Contract Package AP 01 consists of 17 roads totalling 85.39 km and the accepted contract value is LKR 1,656,915,760.00. Please refer to the Table 04 for further details.

- All the major road works completed by April 2019

**Table 52: Contract AP 01- All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length / km
1.	01	Thalawa -Jayagaga 149 Hagurankethagama	PRDA	10.24
2.	02	Eppawala Police Junction Jaya Ganga Rotawewa	PRDA	2.89
3.	03	15 Kanuwa - Kiriemunukole -Mawathawewa	PS	2.72
4.	10	Mahaweliethenna Ralapana Janapadaya Road	PS	5.27
5.	12	Pahalaragahawewa Katupathwewa	PS	3.00
6.	36	Yaya4 Junction Bogas Handiya Kiralapetiya Halambewewa Road	PRDA	11.21
7.	37	Maningamuwa Junction Ihala Oyamaduwaw Nawodagama Road	PRDA	6.00
			PS	7.19

Serial No.	Road No.	Road Name	Road Category	Length / km
8.	38	4 Ela Junction Mankadawala Jaffna Road	PS	4.49
9.	39	4 Ela Junction Parasangaswewa Hospital Road	PS	4.47
10.	40	Salaiyawewa Mawatha Thannayakulama Road	PS	2.33
11.	41	Sucharithagama Yahalegam Temple Road	PS	4.50
12.	43	CEB Deport Pahala Keerikkulama -Keerikkulama Nochchaduwa Road	PS	3.67
13.	45	Abeyapura Housing Sheme to Tammennapura	PS	3.20
14.	46	Nagasena Mawatha	PRDA	1.94
15.	61	9 Ela Janahitha Junction 7 Ela Thuruwila	PRDA	4.76
16.	63	Rathmale Nachchaduwa	PRDA	2.84 0.30
17.	65	Nelubuwa Bidu	PS	4.37
Total			-	85.39

#### 2.4.2: Contract AP 02 - Contractor Maga Engineering PLC.

-The Contract Package AP 02 consists of 12 roads totalling 76.85 km and the accepted contract value is LKR 1,824,178,003.20. Please refer to the Table 04 for further details.

- All the major road works were completed by January 2019.

**Table 53: Contract AP 02- All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length / km
1.	19	Elagamuwa Junction Canal Road Horapola New Mosque Road	PS	3.27
2.	23	Dabawatana Road	PS	4.24
3.	26	Balaluwewa Karawilagala Road	PS	3.83

Serial No.	Road No.	Road Name	Road Category	Length / km
4.	27	Kudawatagala Dambuluhalmillewa Road	PRDA	4.48
		Kudawatagala Dambuluhalmillewa Road	PS	4.87
5.	28	Ulpothagama Junction Morotthegama Road	PS	4.78
6.	66	Thammennawawa Junction Kumbukwewa Siyabalawewa Hunupalagama Road	PRDA/PS	10.98
7.	67	Kalawewa Aukana Road	RDA	4.53
8.	68	6 Ela Walpaluwa to Kagama 2 Ela Road	PS	4.72
9.	69	Mahailuppallama Farm Akkara 100 to Senapura Katiyawa Road	PS	4.94
10.	47	Thambuththegama Rajanganaya Road	PRDA	16.86
11.	48	Ayurvedic Hospital Nawagattegama Road	PRDA	3.38
12.	49	Eriyagama Paindakulama Road	PRDA	5.97
Total			-	76.85

#### 2.4.3: Contract AP 03 - Contractor Maga Engineering PLC

-The Contract Package AP 03 consists of 12 roads totalling 82.66 km and the accepted contract value is LKR 1,492,772,165.28. Please refer to the Table 04 for further details.

- All the major road works were completed by April 2019.

**Table 54: Contract AP 03- All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length / km
1.	5	Matale Junction Samagipura Road	PS	1.72
			MC	0.92
2.	6	Kurundankulama School via Kalaththewa Matale Junction Road	PS	2.83
3.	7	Mahakanadarawa Left Bank Elakanda Road	PRDA	5.40

Serial No.	Road No.	Road Name	Road Category	Length / km
4.	8	Kannattiya Ashokapura Road	PS	2.76
5.	9	Welankulama Junction Alappamkulama Road	PRDA	7.77
6.	70	Katukeliyawa Ihala Halmillewa Sivalakulama Road	PRDA	5.37
7.	24	Palugaswewa Mahakekirawa Road	PRDA	9.12
8.	25	Laksirigama Puwakpitiya Kudarambewewa Road	PS	6.62
9.	71	Palugaswewa-Udakadawala	PS	1.70
10.	29	Yakalla Palugollagama Upuldeniya Road	PS	12.12
11.	30	Galkulama Sivalakulama Yakalla Road	PRDA	7.82
12.	60	A-9 Road Labunoruwa Muriyakadawala Road	PRDA	18.51
<b>Total</b>			-	<b>82.66</b>

-Road ID 29 – Macadam surface for 3 bunds (1.528 km) will be carried out during the DNP.

#### 2.4.4: Contract AP 04 - Contractor Maga Engineering PLC

-The Contract Package AP 04 consists of 19 roads totalling 90.20 km and the accepted contract value is LKR 1,635,133,956.00. Please refer to the Table 04 for further details.

➤ All the road works were completed by December 2018.

**Table 55: Contract AP 04 - All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length/ km
1.	50	40 Kolaniya Bus Halt Nawagammanaya Road	PS	2.85
2.	51	Thelmola Junction Milankulama AB Gammanaya Puhulagewewa Balaya Junction Road	PS	3.45
3.	52	Mailgashandiya Daluggala Jayanthi Road	PS	3.49
4.	53	Ruwanpura School Road	PS	1.03

Serial No.	Road No.	Road Name	Road Category	Length/ km
5.	55	Kobbekaduwa Road	PS	1.91
6.	56	4th Post Thonigala Bridge Road	PS	1.61
7.	57	Kanugahawewa Herathhalmillewa Road	PS	8.51
8.	59	Halmillawatiya Yakawewa Road	PS	3.55
9.	33	Elapathwewa Ritigahawewa Road	PS	3.81
10.	34	Kapugollewa Maradanmaduwa Wagollewa Road	PRDA	4.18
11.	35	Nanumillewa Junction to Vilewewa Road	PS	2.73
12.	16	A9 Karapikkada Kurukkandegama Kebithigollewa	PRDA	6.05
13.	17	Puhudiula Junction to Galkadawala Road	PRDA	3.88
14.	18	Kirigalawewa Unagaswewa Moragoda School Road	PRDA	4.93
15.	31	Kahatagasdigiliya Kainattama Road	PRDA	12.81
16.	32	Rathmalgahawewa Road Kurukkuragama Junction to Hettikattiya Road	PS	7.00
17.	13	Mahakanadarawa Thabowa Pansala Junction to Welioya Junction	PRDA	4.21
18.	14	Ihalagama Junction Muslim Diulwewa	PRDA	8.33
19.	15	Pihibiyagollewa 9th Post Ambagaswewa Road	PRDA	5.87
<b>Total</b>			-	<b>90.20</b>

## 2.5: CRCs in Polonnaruwa District

### 2.5.1: Contract PO 01 - Contractor Maga Engineering PLC

-The Contract Package PO 01 consists of 18 roads totalling 50.76 km and the accepted contract value is LKR 1,158,532,987.42. Please refer to the Table 05 for further details.

- All the major road works completed by September 2018.
- PBM completed on Road IDs 02, 03, and 09 and roads handed over on 23<sup>rd</sup> of August 2021.

**Table 56: Contract PO 01- All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length / km
1.	1	Ihakuluwewa Village Road	PS	3.77
2.	2	Ganageyaya Village Road	PS	3.63
3.	3	Athtanakadawala Pokunugala	PS	3.25
4.	4	Welankattuwa Village Road	PS	2.12
5.	5	Sarubima - Segala Village Road	PS	2.62
6.	6	Bakamuna - Damanayaya Village Road	PS	2.26
7.	7	Sirikanduyaya Track 18 Village Road	PS	2.17
8.	8	Orubendisiyambalawa Village Road	PS	1.75
9.	9	Bisokotuwa - Konduruwawa	PS	1.87
10.	10	Yaya 32 Temple - 33 Bisokotuwa Junction	PS	3.30
11.	11	Athmalpitiya Junction - Laxauyana Siyabalagaswewa Junction	PRDA	4.70
12.	12	Palugasdamana Senanayake Road	PS	1.21
13.	13	Parakramasamuthra - Kalahagala Village Road	PRDA	5.24
14.	14	Kadawalawewa Village Road Stage 01	PS	1.75
15.	18	DI Channel- Vijawahapura Village Road	PRDA	4.27
16.	20	Onagama Main Road - Galkiriya Cemetery	PS	3.14
17.	21	Parakramasamudraya - Ambanganga Village Road	PS	2.06
18.	22	Parakramasamudraya- Thkunu Ela Village Road	PS	1.65
<b>Total</b>			-	<b>50.76</b>

### 2.5.2: Contract PO 02 - Contractor Maga Engineering PLC.

-The Contract Package PO 02 consists of 25 roads totalling 73.36 km and the accepted contract value is LKR 1,483,692,044.52. Please refer to the Table 05 for further details.

- All the major road works completed by December 2018.

**Table 57: Contract PO 02- All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length/ km
1.	24	Hingurakgoda- 7 <sup>th</sup> Mile's Post - Gallamuna Hingurukdamana	PRDA	4.12
2.	25	Weerapura 317-Karathakade Junction	PRDA	3.98
3.	27	BOP 317- Dalpalama	PRDA	1.29
4.	28	BOP 316- Karuwalagas Junction - Chandanapokuna	PRDA	3.04
5.	29	Patunagama Junction – Damwelmangada - Buthayaya	PS	3.48
6.	31	Kubukkanaruwa - 127 Bawdarthgama	PS	1.50
7.	72	Deberella Sudupalama - Gallamuna	PS	4.60
8.	33	Track 12 Bridge – Nagarapura - Weligampura	PS	7.06
9.	34	Yuthaganawa -Irrigation Junction - Dinisuru Junction	PRDA	3.04
10.	35	Kusumpokuna - Pimpura	PRDA	3.51
11.	36	Pimpura Pansalgodall Main Road - Sansugama 21 Division	PRDA	1.88
12.	37	Meegaswewa - Wadigawewa	PS	3.08
13.	40	Medirigiriya Town Internal Road	PS	1.88
14.	41	Jayathugama Junction Meegollawa School	PS	3.46
15.	42	Medirigiriya Water Tank- Mr. Vijayadasa's House	PS	2.23
16.	44	Medirigiriya Kalagedi Palama- Bisobandaragama School	PS	2.55
17.	73	Diulankadawela Aliwankuwa Junction	PS	3.13
18.	45	Minneriya Central Collage Road	PS	3.05

Serial No.	Road No.	Road Name	Road Category	Length/ km
19.	46	Hathamuna Bridge - Nugagahadamana Road	PS	3.71
20.	47	Dora 2 Junction - Paluwewa	PS	1.81
21.	48	Girithale Middle Road	PS	1.49
22.	49	Hingurakgoda Airport - Vidyaloka School Road	PRDA	1.41
23.	51	Batukotuwa Middle Road	PS	1.13
24.	52	Minneriya Samagipura	PS	2.37
25.	55	Hinguraka 4th Miles Post -Chandanapokuna Aliwanguwa	PS	4.56
Total			-	73.36

### 2.5.3: Contract PO 03 - Contractor TISSA-AMSK JV

-The Contract Package PO 03 consists of 11 roads totalling 49.55 km and the accepted contract value is LKR 1,249,343,460.00. Please refer to the Table 05 for further details.

- All the major road works completed by October 2018.

**Table 58: Contract PO 03 - All the Roads Handed Over to Client-RDA**

Serial No.	Road No.	Road Name	Road Category	Length/ km
1.	57	Welikanda - Singhapura Road	PS	12.03
2.	58	Athugala - Katuwanwila	PS	6.80
3.	59	Ginidamana - Nelumwewa	PS	2.10
4.	61	Mahadamanawewa Village Road	PS	3.02
5.	62	Dimbulgala Junction - Bogaswewa Village Road	PS	6.52
6.	64	Manampitiya Hospital Road	PS	1.24
7.	65	2 <sup>nd</sup> Mile's Post - Seelapura	PS	1.47
8.	66	Siripura Nuwaragala Village Road	PS	9.62



Serial No.	Road No.	Road Name	Road Category	Length/ km
9.	67	Aluthoya Junction - Village Road	PS	2.03
10.	68	Dimbulagala Junction - Soruwila Village	PS	1.75
11.	71	Bandanagala - Bandanagala Village	PRDA	2.97
Total			-	49.55

**Table 59: Status of GRC Committee Formation in Anuradhapura and Polonnaruwa Districts – NCP**

Contract No.	Contractor	No. of Roads	No. of Divisions	No. of GRC (Level 3 - DS) formed	No. of GRC (Level 2 - GN) formed
AP1	MAGA	17	6	6	17
AP2	MAGA	12	6	6	12
AP3	MAGA	12	4	4	12
AP4	MAGA	19	6	6	19
TOTAL		60	22	22	60

Contract No.	Contractor	No. of Roads	No. of Divisions	No. of GRC (Level 3 - DS) formed	No. of GRC (Level 2 - GN) formed
PO1	MAGA	18	2	2	18
PO2	MAGA	25	3	3	25
PO3	TISSA-AMSK	11	2	2	11
TOTAL		54	7	7	54

### **3.0: Compliance with Environmental Safeguards requirements in the Loan Document**

36. The environment component is the crucial part of the iRoad Program and the implementation of program should assure the Safeguards Policies of ADB (SPS) and Government of Sri Lanka. To ensure the program activities of road rehabilitation in accordance with these policies, the Environmental activities should be complied with the Loan Agreement of Tranche 1, 2, 3 and 4, updated FAM (Updated in 2018) and EARF.

#### **3.1: Compliance with Tranche 1, 2, 3 and 4**

37. In accordance with the Appendix 6 of the FAM, "Tranche 3 will finance the second slice of five projects that were appraised under Tranches 1 and 2, namely (i) Project 1 in Southern Province,

(ii) Project 2 in Sabaragamuwa Province and the Kalutara District of Western Province; (iii) Project 3 in Central Province; (iv) Project 4 in North Central Province; (v) Project 5 in North Western Province, and (vi) consulting services." Therefore, the PIC 02 belonged to Tranche 3 at the beginning but now PIC 02 is in Tranche 4. Tranches 3 and 4 have been categorized as B consistent with tranches 1 and 2 according to the Updated FAM dated on 15th of March 2018.

38. The Covenant 4.01 of the Article IV of Loan Agreement (Special Operations) Numbered 3326- SRI (SF) and dated 11<sup>th</sup> of December 2015 has mentioned the Borrower's Obligations of Environmental safeguards and they have been mentioned in the Schedule 5. As per this schedule, the Sri Lankan Government as the Borrower should ensure that the Project preparation, Design, Construction, Implementation, Operation and Decommissioning and Project facilities comply with followings.

- a. All applicable Laws and Regulations of the Borrower relating to Environment, Health and Safety.
- b. The Environmental safeguards as set out in ADB's Safeguards Policy Statement 2009.
- c. The EARF and IEEs.
- d. All measures and requirements set forth in the respective IEE's and EMPs and any corrective or preventive actions set forth in a Safeguards Monitoring Report.

39. Therefore, the Team Leader (Engineer) sent all the safeguards documents including EARF, IEEs, Transect Walk Survey Report-2014, Road Safety Audit Report, RF etc. to all Contractors separately by his letter dated 12.09.2016 to make them aware on implementation of safeguards activities to comply with above requirements. Then all the Contractors of Project 4 and 5 are aware of Environmental Safeguards

requirements as per the National laws and policies, and ADB Safeguards Policy. Furthermore, Chief Resident Engineer (Acting Team Leader) sent all the above documents and current status to the newly re-tendered 8 Contractors. Besides, the Orientation Programs were done to them for more awareness.

40. Clause No. 6, 6(a), 6(b) and 6(c) of the schedules mention that the Borrower shall ensure, or cause RDA to ensure that all bidding documents contain provisions that require Contractors to:

(a) Comply with the measures relevant to the contractor set forth in any safeguards document (including relevant IEEs, EMPs and road specific EMPs), and any corrective or preventative actions set forth in the Safeguards Monitoring Report;

(b) Make available budget for all such Safeguard measures; and

(c) Provide the Borrower with a written notice of any unanticipated environmental, resettlement or small ethnic community risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEEs, EMPs and any other Safeguards plans.

(d) To ensure the above conditions, the Borrower included relevant clauses to the Volume 5B – Schedules of the agreement signed between RDA and Contractors.

-All bidding documents included above information to be known by Contractor.

### **3.2: Safeguards Monitoring and Reporting**

-Under clause No. 7 of the Borrower shall do the following or cause RDA to do the following:

(a) Submit Annual Environmental Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission (The Annual Environmental Compliance Monitoring Reports prepared for year 2016, 2017, 2018, 2019 and 2020 have been submitted to the Client). And this report is prepared for the time period from January to December 2021;

(b) If any unanticipated Environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEEs, EMPs, and any safeguards documents, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan. No any unanticipated impacts arose during reporting period; and

(c) Report any actual or potential breach of compliance with the measures and requirements set forth in the IEEs, EMPs and any safeguard documents promptly after becoming aware of the breach. Contractors of Project 4 and 5 submit monthly progress report to the RDA, the Client.

41. Clause - 32 of Loan Agreement (Ordinary Operations) numbered 3325-SRI mentions that the Environment component of Tranche 3 has been categorized as category B such as Tranches 1 and 2. Accordingly, two IEEs for NWP and NCP have been prepared by the project. No new roads were considered in Project 4 and 5 under Tranche 4 (**Loan No. 3610-SRI**) during the reporting period.

### **3.3: Compliance with FAM**

42. In the Project Organizational Structure of the FAM (Appendix 6) mentioned that Project Implementation Consultants (PICs) as a key organization in the project. Accordingly, PIC 02 was deployed from 15 March 2016. And PIU of Project 4 and 5 have been appointed with Project Directors.

43. Environmental Management Plan (EMP), Environmental Monitoring Plan (EMoP), IEEs for both provinces and Environmental Assessment and Review Framework (EARF) were submitted by the RDA and the PIC 02 and they are implemented at PIC level. On the other hand, the Contractors were advised to conduct refreshing Transect Walks during contract period to update physical information and conduct public consultations (Clause 55). The Foot Note No. 15 under Clause No. 55 of FAM has clearly mentioned that the Contractors are required to conduct their own Transect Walks to update physical information and conduct consultations to solicit community knowledge and requirements that should be reflected in the design. And also, according to Clause 54, the project is implemented with required clearances, permits and licenses. Refreshing Transect Walk surveys also conducted in year 2017 and 2018.

44. The Grievance Redress Mechanism (GRM) mentioned under Clause 64 is implemented as mentioned in the FAM. In accordance with Clause 68 and 69 (HIV/AIDS and Health), all the Contractors have implemented awareness programs on HIV/AIDs for workers and prominent villagers in their contract packages, and Contractors were motivated to supply potable drinking water, quality accommodation facilities, safety measures, first aids facilities and etc. for workers. All the Contractors except PU 03 have completed the second round of HIV/AIDS awareness programs in Table 40.

45. While Internal Environmental Monitoring is done by PIU, PIC 02 monitors Environmental component internally according to Clause 78. The Contractors submitted Site Specific Environmental Management Action Plan (SSEMAP) for each road before constructions are commenced and Environmental Monitoring Checklists (EMCs) for each Contract package as per the required stage, which are Design & Pre-construction, 25%, 50% and 75% Construction stages. Depending on these documents, PIC monitors Environmental activities through AREs, CEs, TOs, ESSO and DSESA of PIC 02. The Contractors provide periodically Monthly Progress Report on Environment component. In addition to them, the Environmental Progress Review Meeting for each Contract package is conducted by ESSO randomly while discussing

Environmental component at General Monthly Progress Review meeting of each Contract package. And also, joint site visits were conducted.

46. A qualified Environmental Specialist who has a Master Degree in Environmental Science or equivalent and more than 10 years relevant experience has been mobilized on a full-time basis by PIC 02 from 15<sup>th</sup> of March 2016 in accordance with the Attachment C-3 to FAM, Attachment C-4 to FAM and Attachment C-5 to FAM (Clause 30 and 31 respectively). He checks the compliance of EARF requirements in project implementation. And also, a qualified Environmental and Social Safeguards Officer appointed to the TL's Office, from 21st of February 2017 monitors the Environmental Safeguards activities of 2 provinces. In addition, 4 District Social and Environmental Safeguards Assistants have been recruited to monitor the district level Environmental safeguards activities. But within the reporting period of year 2021, only ESSO and DSESA – Puttalam are being at the PIC 02. The position ESSO also has a M.Sc. in Environmental Science or equivalent. Only years of experience is lower than the ES. Hence, the designation is changed into Officer level.

### **3.4: Compliance with respect to EARF**

47. The EARF prepared for Tranche 1 is valid to other Tranches of iRoad in Sri Lanka (Clause 5 and 6). The project is implemented in accordance with this EARF as per following guidelines.

- To assess and manage the Environmental impacts and obtaining the Environmental Clearance for the project, the National Environmental Act, the key act of the Central Environmental Authority (CEA) in Sri Lanka has been followed by RDA. Therefore, RDA has obtained a conditional concurrence for all roads in NCP and NWP from CEA. RDA has obtained CEA recommendation with clearance for Projects 3 and 4.
- It was emphasized that existing width of the rural and national road should not be widened. No road widening envisaged/observed during year 2021.
- The roads are not fallen through the Wildlife Reserves or any Strict Nature Reserves. No new roads selected.
- The ADB Safeguards Policies have not been violated.
- Applicable National Laws and Regulations mentioned in the Table 2 of Clause 11 and Table 3 of Clause 12 are thoroughly followed during year 2021.
- When implementation, international agreements or conventions were not violated.

- The ESDD of RDA provided technical supports and appointed Environmental Safeguards Officers for 2 PIUs and they were supported and worked with together for benefit of the project. But, during the reporting period of year 2020, the ESO for PIU – NCP was already resigned due to completion of the Project 4.
- Four safeguards training programs except HIV/AIDS programs for PIU, PIC and Contractor's relevant staff was conducted by PIUs with the support of PIC in 2021 of the contracts (Annexure II).
- SSEMAPs for each road were prepared by the Contractor before the construction is commenced in accordance with guidelines of EMP.
- Standard EMP is available and it was used by Contractors to prepare their SSEMAPs. Details of SSEMAPs are discussed in Table 103 and 104.
- Public consultation had been done during the Project Identification Stage. It was also continued in Road Design Stage and Construction Stage.
- Grievance Redress Mechanism is already applied by forming GRCs at DS level and GND levels. A Complaint Register is used by every Contractor and Complaint Boxes have been placed at many locations of each road. Moreover, Green Notices (Public Notices) have been pasted near the community gathering places such as temples, shops, post offices etc.
- The activities under responsibilities mentioned in the Table 1 of VI. Institutional Arrangement are carried by PIU and PIC. ADB, Dr. Palitha Bandara and team supported as resource persons during 4 Training Workshops and provided technical assistance when and where required. The Contractors implement their SSEMAPs through their Environmental and Social Officers. They have submitted Environmental Monitoring Checklists (EMCs) also for each road during Design and Pre-construction and Construction Stages. (**Tables 60, 61, 62 and 63**)
- All the Contractors report their progress monthly to PIC 02. In addition, the Consultancy staff monitor the Contractor's activities daily and Progress Review meeting are held at their Contract Packages at least once a month. The Engineer submits the progress to the Client monthly.

## **4.0: Monitoring of Environmental Compliance at Field level**

### **4.1: Main Environmental Safeguards activities conducted**

-As per the duties of Environmental Safeguards, following activities were conducted during the reporting period.

- Ensured all the Environmental Mitigation measures required to be implemented in accordance with the Contract Agreement and Environmental Safeguards requirements.
- Supervised and monitored the Implementation of Environmental Management Plan (EMP). Regarding this subject, ESSO and DSESA - PU of PIC 02 assisted all contractors to prepare SSEMAPs and EMCs for each Contract Package.
- Technical advises required by the Contractors were given at any time, if the Contractor was being requested.
- Environmental Information was included in the Monthly Report prepared by PIC 02. Following tools were applied to monitor the Environmental Safeguards activities as follows.
  - Daily Site inspections are done by ARE's level of the PIC staff.
  - Periodic site inspections are conducted by CRE (Acting Team Leader), ARE, ESSO and DSESA - PU as joint inspections with PIC, PIU and Contractor's staff.
  - Safeguards Officer of the Environmental section in ADB/SLRM (Mr. Saranga Gajasinghe) were advised to rectify some issues especially the House cracked incidents due to civil works. Besides, he has guided to work under COVID-19 Epidemic.
  - Monthly Environmental Progress Reports are obtained from the Contractors.
  - Special Environmental Progress Review meetings are conducted periodically at Contract Package level with PIU, PIC and Contractors staff.
  - The General Progress Review meetings conducted by CRE at Contract Package level, Environmental activities and issues are discussed.
  - The claims of Contractors on Environmental components are certified on Monthly Performance Based.
  - No any physical ADB missions are conducted during the reporting period of year 2021 because of the COVID-19 Outbreak. But Online Review Missions were conducted.

#### 4.2: The documents that Contractor should submit

48. In general, a Contract Package has more than 10 roads spread over more than 5 DS Divisions to be rehabilitated. Therefore, the rehabilitating activities of all the roads are not commenced at a same time. In accordance with the EMP is which should be followed by each Contractor. The Site-Specific Environmental Management Action Plan (SSEMAP) should be submitted and approval of the Engineer should be obtained before the commencement of construction activities. In this SSEMAP, critical locations are included by mentioning the Mitigation measures. Office premises, Storages, Licenses and Approvals, Permits, Stockpile yards, Disposal sites, Garbage management, Traffic management, Safety arrangements and other Environmental related phenomena. Furthermore, Environmental issues connected with the construction activities are to be included road specifically. By considering this situation, the Contractors have submitted main EMAP with considering all the roads. All the Contractors including newly appointed Contractors for re-tendered packages as well are submitted the EMAPs in **Table 60**. Additionally, the road wise SSEMAPs before the commencement of construction activities of each road. These SSEMAPs were reviewed by ESSO of PIC 02 and some of the SSEMAPs were returned back because they were not complied with the specifications. During the year 2021, the re- tendered Contractors were submitted SSEMAPs by considering the rest of civil works according to the previous Contractors completed civil works. Contractors have been advised to commence the construction activities with the close supervisions of CE, ARE, or CRE by not violating the Environmental Safeguards. The **Table 61**. shows the Progress of submitted SSEMAPs.

**Table 60: Summary of EMAPs submission and approvals at the end of December – 2021**

S/N	Contractor	Contract No	Date of Submission
1.	RR Construction (Pvt.) Ltd.	KU 03-R	June, 2020
2.	Business Promoters & Partners Engineering (Pvt) Ltd	KU 04-R1	March, 2021
3.	Anura Wijenayaka Co. (Pvt) Ltd	KU 04-R2	February, 2021
4.	International Construction Consortium (Pvt) Ltd	KU 04-R3	January, 2021
5.	Finite Lanka (Pvt) Ltd	KU 05-R	July, 2020
6.	Edward and Christie Engineering Solutions (Pvt) Ltd	PU 02-R1	January, 2021
7.	Luxman Metal Crushers & Enterprises Asphalt Plant	PU 02-R2	February, 2021
8.	Consulting Engineers & Contractors (Pvt) Ltd	PU 03-R	March, 2021



**Table 61: Summary of SSEMAPs submission and approvals at the end of December - 2021**

Contract Package	Total Roads	No. of Roads approved	Approved Road IDs	No. of Roads remaining to be approved	SSEMAP to be submitted - Road IDs
<b>KU 03 Terminated</b>	12	12	17, 20, 22, 23, 37, 38, 68, 71, 84, 87, 39, 40	No	No
<b>KU 03-R</b>	12	10	20, 23, 37, 40, 87, 39, 84, 17, 38, 22 (Extension part)  (17, 38, 71, 22 & 68 – Previous Contractor has done 75% of works in these roads. Hence, only Attachments have going to be taken from the new Contractor relevantly for remaining works for above roads and considering the previous reports if needed.)	02 attachments of SSEMAPs	71 and 68 of attachments
<b>KU 04 Terminated</b>	12	12	07, 08, 10, 11, 16, 27, 90, 91, 92, 94, 96, 28	No	No
<b>KU 04 – R1</b>	04	02	08, 90	02	07, 91
<b>KU 04 – R2</b>	04	02	94, 10	02	11, 92
<b>KU 04 – R3</b>	04	01	28	03	16, 27, 28, 96
<b>KU 05 Terminated</b>	17	17	12, 13, 14, 24, 26, 61, 62, 65, 70, 77, 83, 89, 99, 95, 29, 79, 80	No	No

Contract Package	Total Roads	No. of Roads approved	Approved Road IDs	No. of Roads remaining to be approved	SSEMAP to be submitted - Road IDs
<b>KU 05-R</b>	17	16	26, 61, 77, 95, 79, 14, 83, 70, 29, 65, 80, 12, 99, 62, 89, 13  (26, 61, 77, 99 - Previous Contractor has done 75% of works in these roads. Hence, only Attachments have going to be taken from the new Contractor relevantly for remaining works for above roads and considering the previous reports if needed.)	01	24
<b>PU 02</b>	11	11	02, 03, 04, 09, 13, 26, 27, 28, 29, 30, 45	No	No
<b>PU 02 – R1</b>	05	05	02, 13, 45, 04, 09	00	No
<b>PU 02 – R2</b>	06	04	26, 27, 28, 03	02	29, 30
<b>PU 03</b>	15	15	16, 17, 21, 31, 32, 34, 33, 36, 39, 40, 41, 42, 22, 24, 38	No	No
<b>PU 03-R</b>	15	00	-	15	16, 17, 21, 31, 32, 34, 33, 36, 39, 40, 41, 42, 22, 24, 38
<b>Total</b>	<b>67</b>	<b>40</b>	<b>N/A</b>	<b>27</b>	<b>N/A</b>

49. The Contractor should submit the SSEMAPs for Post Construction Stage. For the post construction stage, 40 SSEMAPs have been submitted. The Environmental Monitoring Checklists (EMCs) are the other important document in the project. All the roads should have an EMC at Design & Pre-construction stage. It is a main Environmental Safeguards activity of the Contractor. Apart from that, EMC should be prepared for the Construction Stage but it depends on the length of the road. If the road length less than 3.0 km, it requires only the EMC at 50% progress of Construction stage. If the length is more than 3.0 km, it requires EMCs at 25%, 50% and 75% of Construction Stages. At the end of the Construction period, the Contractor should submit EMCs of Post Construction/Operational Stage for all roads separately. By the end of the year 2021, 74 EMCs for Pre-construction Stage, 41 EMCs at 25%, 38 EMCs at 50% and 21 EMCs at 75% of Construction

Stages have been approved by the PIC. During the year 2020, the re-tendered Contractors were submitted EMCs by considering the rest of civil works according to the previous Contractors completed civil works. The **Table 62.** shows the progress of EMCs submission up to end of year 2021.

**Table 62: EMCs approvals at the end of year 2021**

Contract Package	Road Numbers at each Stage				
	Pre - Construction stage	25%	50%	75%	Operational stage (SSEMAP)
<b>KU 03/ Terminated</b>	17, 20, 22, 37, 38, 68, 71, 84, 87, 23. 39 (Total=11)	17, 22, 38, 71, 68, 84, 87 (Total=07)	17, 22, 38, 71, 68,87 (Total=06)	17,38,71,22,68, 84 (Total=06)	71 (Total=01)
<b>KU 03-R</b>	40 – Submitted (01)	20, 23, 37, 39, 84, 87, 40 (Total = 07) 0 Reports to be submitted.	20, 23, 37, 84, 87, 40, 39 (Total = 07) 0 Reports to be submitted.	20, 23, 87, 40 (Total = 04) 4 Reports to be submitted.	20, 84, 38 (Total = 03) 08 Reports to be submitted.
<b>KU 04 / Terminated</b>	07, 08, 10, 11, 16, 90, 91, 92, 94, 96, 27, 28 (Total=12)	11, 16, 92, 96, 90, 91, 27, 07, 08 (Total=09)	16, 92, 96, 11, 91, 07 (Total=06)	16, 92, 96, 11 (Total=04)	(Total=00)
<b>KU 04-R1</b>	If design changes happened will be submitted the EMCs.	-	-	-	-
<b>KU 04-R2</b>	10, 94 – (Total = 02) 2 Reports to be submitted.	94, 10 (Total = 02) 2 Reports to be submitted.	-	-	-
<b>KU 04- R3</b>	28 (Total = 01) 3 Reports to be submitted.	28 (Total = 01) 3 Reports to be submitted.	28 (Total = 01) 3 Reports to be submitted.	-	-
<b>KU 05/ Terminated</b>	12, 14, 24, 26, 29, 61, 62, 65, 70, 77, 83, 99, 95, 13, 79, 80 (Total=16)	26, 61, 62, 77, 99, 70, 65 (Total=07)	24, 26, 61, 77, 62, 70, 99, 29 (Total=08)	26, 61, 77, 99, 79, 29 (Total=06)	(Total=00)
<b>KU 05-R</b>	1 Report to be submitted.	29, 65, 79, 95 (Total = 04) 6 Reports to be submitted.	79, 83 (Total = 02) 8 Reports to be submitted.	12 Reports to be submitted.	17 Reports to be submitted.
<b>PU 02 / Terminated</b>	02, 03, 04, 09, 26, 27, 28, 29, 30, 45, 13 (Total = 11)	03, 26, 27, 04 (Total = 04)	03, 04, 26, 27 (Total = 04)	(Total = 00)	(Total = 00)

Contract Package	Road Numbers at each Stage				
	Pre - Construction stage	25%	50%	75%	Operational stage (SSEMAP)
PU 02-R1	13, 45, 04, 02, 09 (Total=05)	13 (Total = 01)	-	-	-
PU 02-R2	If design changes happened will be submitted the EMCs.	-	-	27 (Total=01)	-
PU 03 / Terminated	31, 16, 17, 21, 33, 36, 39, 40, 41, 42, 22, 24, 38, 32, 34 (Total=15)	(Total=00)	31, 39, 40, 42 (Total=04)	(Total=00)	(Total=00)
PU 03-R	If design changes happened will be submitted the EMCs.	-	-	-	-
<b>Total [Roads]</b>	<b>74</b>	<b>41</b>	<b>38</b>	<b>21</b>	<b>04</b>

### 4.3: Implementation of GRM

50. Clause No.3 of Section 7, Terms of Reference in RFP-PIC 02 noted that the monitoring of Safeguards activities (Environment and Social) is a responsibility of the PIC and 15b of this document mentions in **b (vi)** to help the establishment of Grievance Redress Mechanism and ensure its proper functioning and management. Moreover, it mentions in **b (vii)** to carry out the duties of Environmental Safeguards.

51. In formation of GR Committees at DS level and GND level in the two provinces, the PIU was supported by PIC to build up awareness amongst the community and GRC representatives. As a result of these awareness programs and the commitment of PIU, PIC and Contractors, 87 GRCs out of 87 DS levels and 242 GN levels GRCs out of 242 were formed at the end of 2021 as per the following **Table 63**.

**Table 63: Progress of GRC formation by 31<sup>st</sup> of December 2021**

Package	No. of DS level GRCs to be formed	Already formed as end of December 2021	No. of GN level GRCs on each road to be formed	Already formed as at end of December 2021
Package: KU 01	06	06	20	20
Package: KU 02	09	09	23	23
Package: KU 03	06	06	17	17
Package: KU 04	09	09	12	12
Package: KU 05	10	10	17	17
Package: PU 01	06	06	11	11
Package: PU 02	07	07	11	11
Package: PU 03	05	05	16	16
Package: AP 01	06	06	17	17
Package: AP 02	06	06	12	12
Package: AP 03	04	04	12	12
Package: AP 04	06	06	19	19
Package: PO 01	02	02	18	18
Package: PO 02	03	03	26	26
Package: PO 03	02	02	11	11
<b>Total</b>	<b>87</b>	<b>87</b>	<b>242</b>	<b>242</b>

52. Depending on the Road length and administrative boundaries, one or more than one GRCs have to be formed at GN level. Therefore, these figures are more than the number of roads in the project.

53. Under the GRM process of PIC 02, public complaints, requests and suggestions were considered at the Design and Implementation stages to rehabilitate roads for the maximum benefit for the people. In this process, the public has the provision to complain or make requests or suggestions over the phone or by meeting the PIC staff, PIU staff and the Contractor's staff.

54. All the complaints/requests or suggestions are forwarded to the Contractors for register them in their Complaints, Suggestions and Requests Register. By the end of year 2021, 2160 complaints/requests/suggestions had been received. Out of them, actions were taken for 1759. Pending complaints/requests/ suggestions were 99 and rejected due to reasonable matters were 302 (Previous figures were included in the Annual Environmental Compliance Monitoring Report of year 2020 and again updated in the year 2021). The Contract Package wise grievances, requests and suggestions solved or being solved are summarized in the **Table 64** of “Package wise Complaints/Requests/Suggestions during the year 2021”. Moreover, it is mentioned that the Re-tendered packages’ details during the period. Especially, it is already mentioned the previous Contractor’s summary and they were incorporated with the re-tendered Contractor received complaints, requests and suggestions. After analyzed the both Contractors received complaints, requests and suggestions, the inactive issues were omitted and re- arranged the Public Complaint Registers.

The accepted complaints/requests/suggestions at GRC meetings or Transect walks are in Numbers and rejected/disregarded complaints/requests/ suggestions are mentioned in **Annexure III**.

**Table 64: Package wise Complaints/Requests/Suggestions during the year 2021**

Contract Package	No. of Complaints/ Requests/ Suggestions	No. of action taken	Pending	No. of rejected due to reasonable matters
KU 01	433	320	00	113
KU 02	730	575	00	155
KU 03-R	129	128	01	00
KU 04-R1	16	15	01	00
KU 04-R2	09	06	03	00
KU 04-R3	56	52	04	00
KU 05-R	565	485	80	00
PU 01	184	150	00	34
PU 02-R1	12	11	01	00
PU 02-R2	15	11	04	00
PU 03-R	11	06	05	00
<b>Total</b>	<b>2160</b>	<b>1759</b>	<b>99</b>	<b>302</b>

55. All the Contractors are bound to erect complaints/suggestions/requests boxes at public places. Apart from that they should demonstrate a (Green Notice) Public Notice of contact numbers for the convenience for public to complain or get some information about road related matters.

56. The complaints, suggestions or requests should be registered by the Contractor and should be forwarded to the CRE, if they cannot be solved at Level 1. Then GRC Level 2 at GN Level or Level 3 at DS Level will attend these issues to solve. If any issues that cannot be solved in this process, the complainant has the freedom to go to the court. Fortunately, no any issue appeared which cannot be solved in this process up to now. But some complaints are cannot solve until the re-construction to be started in terminated packages. Therefore, continuous complaints are due to those packages. Because of that, Emergency and Safety works have been done to complete the permanent works up to motorable condition for comply the outstanding Environmental issues.

#### **4.4: Licenses and Approval**

57. The Contractors are bound to obtain licenses/permits/consents from many authorities such as CEA, GS&MB, DS, PS and etc. These licenses are checked by ARE and other PIC staff where constructions activities are functioned. Especially, Borrow pits, Quarries, Crushers, Batching plants and Asphalt plants are the significant places which licenses are required. The list of licenses which have been obtained for these major items are mentioned **Annexure IV**. In addition, Stockpile yards, Disposal yards, other yards and etc. are also required these permissions or licenses. In this iRoad project, there are no large size Disposal sites due to less quantity of debris/disposal soil. However, the licenses of PS and consent of DS are obtained by the Contractor. On the other hand, the CE and ARE of Consultant and PE of PIU recommend these licenses while ESSO is guiding and monitoring procedures and methods.

#### **4.5: HIV/AIDS Awareness Programs Conducted**

58. In 2017, 15 HIV/AIDS Workshops of 15 Contract Packages had been conducted for 2115 persons of PIU, PIC and Contractors' staff and workers (Occupational programme). The second phase focused on community was commenced in 2018 and 13 workshops have been conducted out of 15. The rest of 2 programmes have been plan to conduct in year 2019. During 2018, 13 Workshops of 15 Contract Packages have been conducted for 818 people. In 2019, only 1 program has been done out of the remaining programmes. PU 03 is to be conducted. But that package terminated during 2019. Therefore, newly appointed package should be done the programmes during their project period. This is a mandatory requirement of the iRoad Program according to the

updated FAM. The SGRS of PIC 02 actively involved in this program to achieve the objectives. After the end of June 2020, the SGRO of PIC 02 has involved to it.

59. But, newly appointed re-tendered packages also must to do both occupational and community programmes during the project period. Hence, the KU 03-R has done their Occupational programme during the 2020. The KU 05-R also planned to do it on 13<sup>th</sup> of October 2020. But it was impossible held due to COVID-19 2<sup>nd</sup> wave. Therefore, it was postponed with a tentative date. Again, the KU 04-R2 and KU 04-R3 done their Occupational HIV/AIDS programme successfully according to the COVID-19 rules and regulations implemented by the government of Sri Lanka.

**Table 65: HIV/AIDS Awareness programmes conducted during 2020 and 2021**

Package	Date	Venue	Participants		
			Male	Female	Total
KU 03-R	04.09.2020	Vocational Training Institute of Tourism & Hospitality, Maguruoya Watta, New Malkaduwwa, Kurunegala.	129	21	150
KU 04-R2	27.12.2021	Green Village Hotel, Balalla.	86	15	101
KU 04-R3	29.12.2021	Hotel Buddhi Samudra, Puttalam Road, Nikawaratiya.	110	10	120
Gender wise (%)			87.6	12.4	100

***-Photographical evidences of the Occupational HIV/AIDS Awareness program of the KU4-R2 and KU4-R3 Packages***

	
<p><b>Picture No. 49:</b> Banner of the Program – KU4-R2</p>	<p><b>Picture No. 50:</b> Lightning the Oil lamp by Project Director –KU4-R3</p>





**Picture No. 51:** Registration - KU4-R2



**Picture No. 52:** Registration - KU4-R3



**Picture No. 53:** Participants for HIV/AIDS Occupational Health Program KU4 –R2



**Picture No. 54:** Participants for the HIV/AIDS Occupational Health Program KU4 –R3



**Picture No. 55:** HIV/AIDS Detection Rapid Test – KU4-R2



**Picture No. 56:** HIV/AIDS Detection Rapid Test – KU4-R3



**Picture No. 57:** HIV/AIDS Occupational Health Program KU4 –R2



**Picture No. 58:** HIV/AIDS Occupational Health Program KU4 –R3

60. The Contractors organized these programmes and used the resource of Ministry of Health Services. The venues selected for the programmes are appropriated. Before the commencement of multimedia presentations, Health Clinical Programme was conducted by obtaining Blood samples from the participants at each programme. In addition to them, education of Non-Communicable Diseases (NCD) such as Kidney Diseases, Drugs using or Tobacco alcohol prevention, Child abuse minimizing methods, Healthy diet planning and Happy family life lectures were included into the programme.

61. The other important thing of this program is that many kinds of important posters on good habits are demonstrated during the day of programme. Drug prevention, Information of good food habits, Clinical venues of STD treatments, Steps to be followed when symptoms of diseases are appeared, Preventive measures of spreading of HIV/AIDS etc. are exhibited on some posters. Some photos of the programme are shown below.

62. Moreover, the BMI value was calculated by measuring the Weight and the Height of each participant. Besides, the HIV Rapid Test was done by taking Blood samples while programme was ongoing. Especially, this test was doing only the person who wants to do. And it was never forced to anybody to do it because the American concept of **‘No News, Good News’** is implementing in Sri Lankan Health sector.

#### 4.6: Field Environmental monitoring carried out by PIC and PIU in brief

63. ARE, CEs, DSESA-PU and TOs are monitor the Environmental Safeguards activities of all the CPs during all working days while they are engaging in civil works. But ESSO/PIC 02 and DSESA-PU monitor CPs especially on Environmental Safeguards. As well as the ESO and AESO of PIU monitor Environmental activities of NWP.

##### 4.6.1: Some pictures of Site inspections and meetings conducted in PIC 02



**Picture No. 59:** Joint site visit on RD ID 20 – KU 03-R



**Picture No. 60:** Joint site visit on RD ID 09 – PU 02-R1  
(Cracked house measuring)



**Picture No. 61:** Joint site - KU 05-R at Road ID 13



**Picture No. 62:** Joint inspection at Road ID 27 of PU 02-R2





**Picture No. 63:** Inspection of proposed stockpile yard at Road ID 03 of PU 02-R2



**Picture No. 64:** Joint site visit at RD ID 12 of KU 05-R



**Picture Nos. 65 and 66:** Joint site visit at Road ID 02 of the package PU 02-R1 to review and comply the public complaints, requests and suggestions that have been arisen in the GRC and the Public Complaint Register.

#### 4.7: Site visits conducted jointly with PIC, PIU and CSD/ESSD

64. In the beginning of this project, Mr. Saranga Gajasinghe assisted when and where the PIC 02 required his assistance to implement the Environmental and Social Safeguards activities in NCP and NWP as the CSD/SG Specialist. In 2019, already completed the NCP and the most of the NWP packages were terminated. Therefore, he didn't attend much due to lack of construction will never raise complicated/critical issues to be complied. Then some packages were re-tendered and newly started civil works in year 2020. But in the end of the year 2019 he was directly joined for the ADB as the Safeguards Officer. Hence, in 2020 and 2021, he is not attended for site visits. As well as there's no any special workshops hold on this year. But he has involved in site visits and mini workshops of Environmental and Social Safeguards conducted for PIU and PIC 02 staff in 2016, 2017 and 2018 very often. All those details in the Annual Environmental Compliance Monitoring Reports of above years.

#### **4.8: Site visits conducted by ADB Missions**

65. The ADB Mission visited PIC 02 for 2 days in one time during the year 2019. That Mission came in September 2019 and visited Kurunegala and Anuradhapura districts. But in year 2020 and 2021, there were no any “Physical” ADB missions because of the COVID-19 pandemic.

66. But online (Virtual) ADB Review Missions were carried out 08<sup>th</sup> and 09<sup>th</sup> of November 2021 through Microsoft Team Meeting to related to civil works and environmental and social safeguards respectively to evaluate the progress related to Environmental and Social Safeguards in PBM works, iRoad NWP and RMC packages which have been currently performed under the iRoad phase I Program for the Safeguards Team and ADB representatives, Project Director (Project Coordinator) and iRoad Safeguards Team (PMU and PICs) participated. Both Environmental and Social presentations were highly appreciated by the ADB Mission team and especially requested to submit the presentations to the ADB through RDA. And already submitted the presentations.

#### **5.0: Issues observed (Environment related) and status of compliance**

67. Only two newly appointed 08 Contractors for the re-tendered packages engaged in the construction activities in year 2021. Hence, there are Environmental issues are evident in their CPs.

#### **5.1: Issues and mitigation measures applied**

68. In Sri Lanka, September, October, November and December got heavy rain in NWP. It can be understood by the following **Table 67** of Weather condition. In this table, days which have not been mentioned are not rainy days. During drought months, the natural water bodies have been dried out and it will be affected for the aquatic species.

69. Many of complaints were received from public regarding dust emission and at some roads, public protested against dust emission. In this situation, some Contractors were faced with lot of difficulties to find out suitable water sources to obtain water to wet the road surface. Many dialogs with community had to be arranged by the contractors to mitigate this issue. Besides, dust issues are raised because of the terminated packages which are the roads only prime layered. But, during year 2020 the newly started eight terminated packages.

-Following key Environmental issues were recorded during year 2021.

## 1. Dust Issues

70. The significant Environmental issue was the dust emission at road construction sites. The main mitigation measure to reduce dust is to spray water on road surface under construction. However, the year 2021 was a rainy year when comparing to the year 2020 (Refer. **Table 66**). However, attempts were made to reduce dust emission by watering bringing water from available water bodies, controlling vehicle transport at peak times of public places, limiting vehicle speed etc. when needed. But there are no more complaints for dust emission during the year 2021.



**Picture No. 67:** Properly material transportation – KU 04-R2



**Picture No. 68:** Water sprinkling – PU 02-R1



**Picture No. 69:** Properly material transportation – PU 02-R2



**Picture No. 70:** Water sprinkling – KU 04-R3

**Table 66: Weather condition from January to December 2021 according to Contractor's information (No. of Days)**

CP	Rainfall (1 – 10) mm												Rainfall (> 10) mm											
Mo nth	Ja n.	Fe b.	Mar.	Apr.	Ma y.	Jun.	Jul.	Au g.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	A ug.	Sep.	O ct.	No v.	Dec.
KU 03- R	05	03	06	15	07	04	03	04	03	03	01	01	01	02	01	01	03	10	12	05	17	18	06	08
KU 04- R1	04	02	01	09	04	06	09	05	17	18	06	03	07	06	10	03	06	05	06	05	06	05	08	07
KU 04- R2	04	03	03	03	09	03	07	06	03	07	06	05	06	05	06	05	08	07	06	05	06	05	08	07
KU 04- R3	03	07	06	10	03	03	07	06	10	03	07	06	10	03	18	06	07	06	10	03	06	05	06	05
KU 05- R	04	02	01	09	04	06	09	03	07	06	10	03	03	01	05	06	00	03	01	01	08	09	10	09
PU 02- R1	07	06	01	03	09	03	07	06	03	06	09	03	07	06	10	03	06	05	06	05	06	05	08	07
PU 02- R2	05	01	02	04	07	06	10	03	07	06	10	03	05	17	18	06	07	06	10	03	06	05	06	05
PU 03- R	04	03	03	03	09	03	07	06	03	07	06	10	03	09	03	05	17	18	06	05	17	18	06	09



## 2. Blockage of drainage

71. Some drains have been blocked and damaged before and after construction activities. Sometimes lead away has been blocked or there was not a proper existing lead away for a long period. These issues were identified by PIC or PIU or Contractors during their site inspections or Design stage. Some issues were received from public as complaints or requests. Most of these issues were solved at GRC Level 1 and some issues were solved at GRC Level 2 and 3. If some drains had been blocked, they have been cleaned by the Contractor immediately. The both PIUs were involved actively to solve these issues.



**Picture No. 71:** New culvert was constructing to avoid water stagnation/flooding at KU 04-R1



**Picture No. 72:** Lead away path was cleared using machineries to avoid water stagnate near the culvert area at KU 04-R2

## 3. Flooding issues

72. Some road sections have been identified to have potential issues of flooding in accordance with the available hydrological records/information of the area and suggestions/requests of the public. In rainy seasons, some roads were heavily flooded. Such sections are redesigned with some pavement modifications. Especially, the KU 04-R3 and PU 02-R1 affected due to the adverse weather and damaged the roads under their custody as well.





**Picture No. 73:** Deposited ABC on sides of the road – Road ID 28 at KU 04-R3



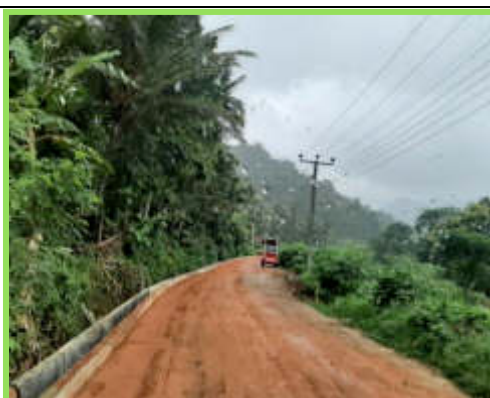
**Picture No. 74:** Deposited ABC near the natural water body – Road ID 28 at KU 04-R3



**Picture No. 75:** Periodically inundates the road section in rainy seasons – Road ID 02 at PU 02-R1



**Picture No. 76:** Deposited ABC in the Paddy field – Road ID 02 at PU 02-R1



<p><b>Picture No. 77:</b> Completed retaining wall to prevent the flooding of the road at Road ID 23</p>	<p><b>Picture No. 78:</b> Construction of an irrigation drain at Ch. 00+067 – Ch. 00+740 LHS which feeds the existing paddy fields at Road ID 40</p>
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#### 4. Soil erosion

73. Soil erosion was evident at two places. One was at embankment construction sites and other is Stockpile yards. After the construction of embankment, erodible areas are turfed immediately to prevent soil erosion and stockpiles are barricaded by sand bags where erodible sides. All the details can be referred in **Annexure V**.

	
<p><b>Picture No. 79:</b> Randeni Niwasa – Ihala Kottaramulla – PU 03-R/Stockpile yard</p>	<p><b>Picture No. 80:</b> Road ID 94 - Ch. 05+000 LHS – KU 04-R2/Stockpile yard</p>
	
<p><b>Picture No. 81:</b> Road ID 28 - Udehenegama – KU 04-R3/Disposal yard</p>	<p><b>Picture No. 82:</b> Road ID 79 at Ch. 01+280 RHS – KU 05-R/Disposal yard</p>



## 5. Contamination of soils and water

74. It was identified that the soils and water are contaminated by dust, fuel and lubricant. Dust deposits in the drinking wells located adjacent to road construction sites. As well, fuel or oil is washed out in to soil and water bodies during rainy days when they are loaded or unloaded in the opening space without proper precautions. If drinking water wells are located near the construction sites, they are covered. Loading and unloading of fuel/lubricants are done under roofed building. To avoid the spillage of fuel, trays are also used to collect them.



**Picture No. 83:** Before - Spillage of bitumen on roadside at PU 02-R2



**Picture No. 84:** After - Removing properly and clean the road side at PU 02-R2



**Picture No. 85:** Mitigation for soil and water contamination from oil and fuel at KU 04-R3



**Picture No. 86:** Spreading of sand in order to prevent erosion of Prime Coat with the rain water at KU 03-R

## 6. Safety issues

75. The roads are located in the rural areas and they are very narrow. Most of people are not much concerned on their own safety due to their insufficient knowledge on safety precautions. All the Contractors have been advised to arrange safety measures for public and workers. On the other hand, safety measures applied by the Contactor are monitored by Consultancy staff and PIU staff periodically. As a result of that safety arrangements at work sites are at acceptable level and personal safety gear for workers have been provided by the Contractors.



**Picture No. 87:** Tool Box meeting in Road 90 – KU 04-R1



**Picture No. 88:** FIRST AID box placed at the Main Office – KU 05-R



**Picture No. 89:** Notices displayed at necessary places to aware the operators and drivers to ensure the safety of public – PU 03-R



**Picture No. 90:** Safety arrangement of Byroad Ch.1+110 at Road ID 94 – KU 02-R2

**Table 67: Summary of reported accidents up to the end of December 2021**

Package	Near Misses	First aid cases	Lost time injuries	Fatal Accidents
KU 03-R	-	01	02	-
KU 04-R1	-	-	-	-
KU 04-R2	-	-	01	-
KU 04-R3	-	01	-	-
KU 05-R	01	-	02	-
PU 02-R1	-	-	-	-
PU 02-R2	-	-	-	-
PU 03-R	-	01	-	-
<b>Total</b>	<b>01</b>	<b>03</b>	<b>05</b>	<b>-</b>

76. When considering the Green Cross, there were no any fatal accidents, only other three categories; Near misses, First aid cases and Lost time injuries can be seen. But there were no any significant figures/quantity of accidents happened throughout the year. Hence, the Contractors were advised to maintain a zero level of accidents as much as possible by implementing proper safety awareness, precautions and etc. according to the concept of ***'An ounce of prevention is worth a pound of cure'***.

**❖ 10 Road Construction Work Zone Safety Tips implementing at the sites**

- i.) Have an approved Safety Management Action Plan (SMAP)
- ii.) Properly controlling the traffic according to the SMAP
- iii.) Create separate work areas using cones, barrels, and barriers to clearly delineate specific areas of the work zone such as material storage, areas where heavy equipment is being used, vehicle parking, and safe areas for workers on foot to move about in.
- iv.) Wearing proper Personal Protecting Equipment including hard hats, steel-toed boots, highly visible clothing and etc. (Especially, due to the warmer weather situation, workers refused to wear PPE. Practically, it is very harsh to wear those. Practically, it is very harsh to wear those. But we are managing that issue to the furthest extent).
- v.) Always advising to be aware of the surroundings; what the job duties entail in the work zone and should always be mindful of what's going on around.
- vi.) Avoiding Blind spots; Vehicles and heavy equipment are constantly moving about inside the work zone including dump trucks, compactors, pavement planers, excavators, pavers, and rollers. Operators

should ensure that all mirrors and visual aid devices are attached and operating properly including backup alarms and lights.

vii.) A competent person is including to conduct hazard assessments and regular inspections of the worksite; Per OSHA, a competent person is someone “capable of identifying existing and predictable hazards in the surroundings, or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.”

viii.) Starting each workday with a Safety meeting (Toolbox meeting).

ix.) Having a Site-Specific Safety Program; Every road construction project is different and each work zone has its own unique hazards and challenges so creating a safety program geared specifically for the site can go a long way in preventing accidents.

x.) Stay hydrated; Workers performing road construction are susceptible to overexertion and heat-related illnesses. Asphalt absorbs 95% of the sun’s rays and asphalt temperatures can easily be 30° F or higher than the surrounding air temperature. Workers should drink plenty of water or liquids high in electrolytes like king coconut water or coconut water. Workers should also get out of the heat and sun as much as possible especially on extremely hot days to avoid heatstroke, dehydration, and heat exhaustion.

## **7. Threaten to vegetation**

77. Due to insufficient ROW, some trees have to be removed. But joint inspection is conducted by PIU, PIC and Contractors to identify the trees which could be saved. Many trees were saved in this way. Some roads are stretched through forest covers but not through designated forests of Forest Department or the Department of Wildlife Conservation. There were few roads close to forest reserves but all are not inside of the reserves or at least through the Buffer zones. However, the PIU obtained the general conditions of DWLC and FD to work on some roads to assure the more safety of forests and wildlife.

The summary of removed and planted trees is mentioned in the **Table 68**.



**Table 68: Tree re- planting in numbers**

District	No. of Trees removed	No. of Trees re- planted	No. of Saved trees
Kurunegala	101	510	24
Puttalam	22	117	18
Anuradhapura	71	576	82
Polonnaruwa	69	480	273
<b>Total</b>	<b>263</b>	<b>1683</b>	<b>397</b>

The Contract Package wise information on tree removal and re-planting are shown in **Annexure VI.**

But, in the year 2021 there were only two Tree re-planting programmes held.

78. KU 03-R done this for the removed trees of their package at Sri Shakya Munindaramaya Temple (Ch. 04 + 917 RHS on Road ID 20). Especially the Chief incumbent related to that temple was appreciated it. And the Contractor planted 25 native plants which are suitable to the climatic conditions of that area.

-*Mangifera indica* – Mango  
 -*Persea Americana* – Avocado  
 -*Phyllanthus emblica* – Nelli  
 -*Nephelium lappaceum* – Rambutan  
 -*Garcinia mangostana* - Mangosteen





79. KU 05-R done this for the removed trees of their package at Sri Sudharshanaramaya Temple (Ch. 02+200 LHS on Road ID 83). Especially the Chief incumbent related to that temple was appreciated it. And the Contractor planted 20 native plants which are suitable to the climatic conditions of that area.

*-Mangifera indica* - Mango  
*-Phyllanthus emblica* - Nelli  
*-Flacourtia indica* - Uguressa  
*-Syzygium samarangense* - Jambu  
*-Elaeocarpus serratus* - Veralu  
*-Manilkara zapota(l)p. royen* - Sapathilla







**Picture Nos. 97, 98, 99, 100, 101, 102, 103, 104, 105 and 106:**  
Tree planting programme at KU 05-R

## 8. Garbage collection and cleanliness

80. The garbage collection was evident at site offices, project offices and camp sites in all the CPs from beginning of the project. CPs have installed garbage bins at each site in accordance with the type of garbage. Before to dispose them, they are sorted out such as degradable food, papers, polythene etc. and put them in to relevant bins.

81. In addition to dust emission, garbage management issue, debris disposal issues, soil contamination from fuel at some storages, flood situation or water logging, drainage issues, soil erosion at Stockpile yards, non-rehabilitated Stockpile yards, workers safety issues and mosquito breeding places were some other Environmental issues. But they are not significant like highways, express ways or hilly terrains.



**Picture No. 107:** Waste separation –  
PU 02-R1



**Picture No. 108:** Hand washing facilitation  
with a clean environment – KU 05-R

## 6.0: Public consultation and information dissemination

82. The Public consultation is a principal requirement of the iRoad Program. The importance of this requirement is described in **Chapter V** of the **EARF**.

83. When the project is identified, public consultation had been applied during the Transect Walk activity. Public had been consulted individually, group wise and public meeting wise at the Transect Walk of relevant roads.

84. The same system was followed during the Construction stage where public consultations were conducted. The meetings of GRC formation at DS level and GND level were also used as vehicles to consult public because community leaders, NGO people, women groups, clergies and line agency representatives are invited to participate in. In addition to that, individual consultations, group discussions etc. were also conducted to collect ideas and build awareness in the project. Apart from that, refreshing Transect Walks were done after conducting the meeting. The ideas, suggestions, requests and complaints from the public were received and they are considered as important inputs when designing the roads.

85. The contractors are implemented their own Transect Walks at each road to identify issues and obtain the community knowledge to design the road. However, the Contractor is bound to conduct a Transect Walk before road design in accordance with the **Foot Note No. 15 of Clause No. 55 in the Updated Facility Manual on 15<sup>th</sup> of March 2018**.

86. The Contractors were published posters at public places to inform the public to send their issues related to road constructions. Additionally, complaints/suggestions/requests boxes were erected at all the roads to obtain the community perceptions for the road rehabilitation.

87. There are two ways of information dissemination in this project. One of them is government officers who are working with day-to-day life of the people such as Grama Niladhari (GN = Village Officer), Divisional Agrarian Services Officer, Agricultural Research and Production Assistants, Economic Development Officers and Divisional Secretaries. All the Field Officers are aware of the project by participating in the GRC formation at GN level and DS level. Other way is Public Notices (Green Notices) demonstrated at the public places such as Paper notice and Road notice name boards with the basic information.

## 7.0: Programs and activities to enhance the Environment

88. In the very beginning of the project, Mr. Saranga Gajasinghe assisted when and where the PIC 02 required his assistance to implement the Environmental and Social Safeguards activities in NCP and NWP as the CSD/SG Specialist. Very often he participated in the site visits as mentioned above table and involved in mini workshops of Environmental and Social Safeguards conducted for PIU and PIC 02 staff until the end of 2019. Then he was joined to the ADB/SLRM directly as the Focal Point of the Environmental section. But he has guided us to join the 'Online Training Programmes which are organized by the ADB during the lockdown period of the whole country (Sri Lanka) due to the COVID-19 epidemic. The **Table 68** briefs Mini Workshops conducted by PIC 02 and ADB except specially focused Environmental capacity building programs because they are in ***Annexure II***.

**Table 69: Environmental related capacity programmes conducted during year 2021**

No.	Date	Name of the Programme	Brief Description of the Programme	Resource persons and Target Group	Nos. attended
01.	27.12.2021 and 29.12.2021	Workshop on HIV-AIDS Awareness Program by Contractor – KU 04-R2 and KU 04-R3	<p>01. Current situation on HIV/AIDS and STD in Sri Lanka</p> <p>02. Spreading of communicable and non-communicable diseases</p> <p>03. Treatments and services of HIV/AIDS and STD Units in Hospitals/Counselling services</p> <p>04. Community participation for preventing of HIV/AIDS and STD and Social background on HIV/AIDS and STD</p> <p>05. Lectures about 'Happy family' and Healthy life style.</p> <p>06. HIV Rapid Test is done by taking Blood samples of participants if they wish to do.</p>	<p>Doctors from MOH</p> <p>To RDA, PIC02 and Contractor Road related community</p>	101 and 120 respectively
Online Training Programmes conducted by ADB					
No.	Date	Description of the Work shop			
01.	29.06.2021, 06.07.2021 and 13.07.2021	A training on "The Modern Road Ecologist's Toolbox – Emerging Tools and Technologies for Biodiversity Assessments on Linear Transport Projects" organized by SDSS			



89. In 2017, 6 School Awareness Programmes on selected schools have been conducted by KU 01, KU 03, KU 05, PU 02 and AP 03. Details of them had been included in the Environmental Compliance Monitoring Report of 2017. Therefore, only one School Environmental Awareness Programme was conducted in 2018 are mentioned as per the **Table 69**. But in 2019, there are no any School Awareness Programmes have been conducted because NCP packages are already completed the project. And KU 01, KU 02 and PU 01 packages also completed. But other packages were terminated and all were re-tendered during the year 2020. They are KU 03-R, KU 05-R, PU 02-R1, PU 02-R2 and PU 03-R. But they were not done any School Awareness Programmes during the reported period because of the COVID-19 pandemic.

90. By the end of 2021, all the Contract Packages have removed trees after obtained the approval from DS. The total No. of trees removed is 263 and estimated No. of trees to be replanted is 789 at the ratio of 1:3. However, 1663 number of trees have been planted. This is a very good progress of tree planting programmes. But some plants were dying because of the poor maintenance, drought seasons and lack of nutrients. Again, re-planted the trees in these packages AP 02, AP 03 and KU 02. **Annexure VI** shows the progress of the tree planting programmes of Contract Packages. Most of the Contractors used schools as supportive partners in this programme by arranging Environmental School Awareness Programmes for students and sometimes assisting to help them giving required accessories or constructing a physical requirement such as playgrounds etc.



**Picture Nos. 109 and 110:** Rehabilitation of a Disposal yard into a cultivation land – Ch.01+860 RHS on Road ID 20 of KU 03-R [Banana (*Musa paradisiaca*) plantation done by a private landowner]

**Table 70: School Environmental Awareness/Training Programmes**

S. No.	CP	Date	School	Theme of the program	No. of Participated Students	Other Participated	Years of Students	Resource Person/s
01.	KU 01	06.12.2017	Rewatha Central School, Udawela (Rd ID 34)	Road Safety	100	30	Grade 9 & 10	Mr. S. K. Delay (Mechanical Engineer - RDA)
02	KU 03	22.06.2017	Watareka Maha Vidyalaya	Climatic Changes and Natural Disasters	145	06	Grade 05 to 13	Mrs. Padmini Weerathne – ESO
		17.10.2017	Kanawa Vidyalaya	Waste Management	45	10	Grade 01 to 11	Mrs. Padmini Weerathne – ESO
		30.01.2018	Raddhagoda Maha Vidyalaya, Raddhagoda.	Wetland Conservation	100	08	Grade 04, 05 & 06	Mr. Ranjith Gunarathne
		13.06.2018	Boyagane Vidyalaya	How to protect the Environment	55	10	Grade 08 & 09	Mr. Ranjith Gunarathne
03	KU 05	16.11.2017	Ni/Wa. Naramana Maha Vidyalaya	About Tree Planting	80	15	Grade 03 to 04	Mr. R. A. J. Ranasinghe – ESO Mr. A.A.H.M. Atapattu - ESO
04	PU 01	13.06.2017	Ananda Maha Vidyalaya	Dengue Prevention Program	173	10	Grade 09 & 10	PHI and Police Officer
05	PU 02	25/10/2017	Dhammaloka Vidyalaya, Kelegama. (Road ID 26)	About Natural Resources	60	10	Grade 05 to 06	Miss. I. H. A. H. I. Amarasinghe – ESO Miss. H. S. O. Mendis - ESO
		13.06.2017	St. Mary's College	Dengue Prevention Program	198	10	Grade 09 & 10	PHI and Police Officer
06	PU 03	13.06.2017	Carmel Convent	Dengue Prevention Program	169	10	Grade 09 & 10	PHI and Police Officer
07	AP4	19.01.2018	Ho/Ruwanweli Central College-	Garbage management	79	16	Grade 1-5	Mr. Amila Chandana – ESO Environmental Officer (CEA)

## 8.0: Road handing over and PBM

91. The roads are handing over to the Client/Employer by the Contractor when after the Civil works are completed. Hence, the Contractor has to comply the list of Environmental related activities before the official handing over process. The Checklist is in the below;

**Figure 48:** Checklist of Environmental related Road Rehabilitation

.....

**iRoad Program – NCP & NWP**

**Checklist of Environmental and Social Related Road Rehabilitation**

District: ..... Contract Package: .....

Road ID: .....

Serial No.	Activity/Criteria	Yes	No	If 'No' Location	Remarks
01.	Compensatory Tree planting was completed				
02.	Cut trees were handed over to STC/relevant bodies				
03.	Harmful utilities were removed or barricaded				
04.	No harm to common properties				
05.	No blocked/disrupted drainage system				
06.	No land slide effects were remained due to construction				
07.	No flood or stagnation of water due to Contractor's activities				
08.	Borrow pits have been rehabilitated				
09.	Satisfaction letters from the landowners of the Borrow pits were obtained				
10.	Stockpile yards have been reinstated				
11.	Satisfaction letters from the landowners of the Stockpile yards were obtained				
12.	Lands of the offices and storage yards have been restored				
13.	Satisfaction letters from the landowners of the offices and storage yards were obtained				
14.	Proper slope protection measures were applied				
15.	No soil contaminated areas due to fuel/lubricants				
16.	Any land used for construction activities have been restored according to the satisfaction of the landowner				



17.	Construction camps and lands have been rehabilitated according to the satisfaction of the landowner				
18.	No heaps of solid waste at the site				
19.	Debris has been removed				
20.	Rock boulders spread along the road sides have been removed				
21.	Disposal sites have been reinstated according to the satisfaction of the landowner				
22.	Safety/warning signage has been erected adequately				
23.	Contractor owned Quarries have been rehabilitated according to the satisfaction of the landowner				
24.	Contractor owned Asphalt plants have been rehabilitated according to the satisfaction of the landowner				
25.	Contractor owned Crushers have been rehabilitated Contractor owned Asphalt plants have been rehabilitated according to the satisfaction of the landowner				
26.	Contractor owned Batching plants have been rehabilitated according to the satisfaction of the landowner				
27.	By-passes have been reinstated				
28.	Satisfaction letters from the landowners of the By-passes were obtained				
29.	Reports are submitted according to the requirement				
30.	All the public complaints/requests/suggestions were addressed and completed as per the satisfactory level				
31.	<b>Others:</b> (Specify)				

.....  
Signature of observer

.....  
Date

.....  
Name and Position

.....

92. The Contractor has a SAC period after the handing over of a road. Then the PBM is starting. Therefore, the Contractor has to catch up and preventive maintenance. PBM works shall consists of activities necessary in or order to keep the road in compliance with specified performance of service levels. Maintenance services shall include all activities required to achieve and keep the road with performance of service levels. The PBM shall mainly consists of the following routine maintenance works;

- a) Maintenance of Carriageway.
- b) Maintenance of Road Side.

And also consists of other requirements such as.

- 1.0. Implementing and managing the site safety.
- 1.1. Implementing and managing traffic management along the road.
- 1.2. Maintaining access to adjacent properties.
- 1.3. Carrying out works without adversely affecting the environment.
- 1.4. Establishment and Maintenance of a Call Center.
- 1.5. Performance of works with due care and responsibility.

**93. Note:** All the NCP packages, KU 01, KU 02 and PU 01 packages are under PBM period. Therefore, only PU 01 is monitoring by the PIC 02 and some of the KU 01 and KU 02 roads and other roads of NCP are monitoring by RDA. Further, at the end of August 2021, the KU 01 and KU 02 roads were handed over to the relevant authorities of PRDD, PRDA, DS and Pradeshiya Sabha.

**9.0: Special construction activities to mitigate the Environmental issues incorporated into the design for complying the ‘All-weather roads’ concept.**



- ***Turfing (Bio-engineering) for mitigate the soil erosion of road embankment and Retaining wall for protect the embankment.***

	
KU 03-R at Road ID 23	KU 03-R at Road ID 40



- ***Concrete surfacing with LHS lined drain and Concrete shoulders with lined LHS drain for flood prone locations***

	
KU 03-R at Road ID 87 – Concrete surfacing	KU 03-R at Road ID 87 – Concreted shoulders



- ***Rap protection for mitigate the soil erosion of road embankment and Catch pit implement for excess water drain into the line drains.***

	
AP 04 at Road ID 34	KU 02 at Road ID 101



- ***Hard shoulder constructs for avoid shoulder erosion where there are water flowing areas and Rubble pitching.***

	
KU 02 at Road ID 02	PU 01 at Road ID 43

- ***Road sign boards include to where the animals are crossing the roads such as Elephants and safeguard the road users as well.***



	
<p><b>AP 01 at Road ID 36</b></p>	<p><b>PU 01 at Road ID 07</b></p>

- ***Causeway included to flow the excess water over the roads when heavy rains and Rubble pitching constructing for control the high velocity drains.***

	
<p><b>PU 01 at Road ID 43</b></p>	<p><b>PU 01 at Road ID 43</b></p>



- ***Guard stones and Chevron boards including as safety precaution.***

	
<p align="center"><b>PU 01 at Road ID 05</b></p>	<p align="center"><b>PU 01 at Road ID 05</b></p>

## **10.0: Conclusions and Recommendations**

### **10.1: Conclusions**

01. This is the Annual Environmental Compliance Monitoring Report for the time period from January 2021 to December 2021. In 2021, the NCP was already completed the Civil works. Therefore, the NCP ongoing with their PBM period. In NWP, only KU 01 and KU 02 packages were successfully completed their civil works and their PBM also ongoing now. PU 01 also completed and under the PBM period. Other Packages; KU 03, KU 05 re-tendered and those packages were commencement their Contracts. At the end of 2020, other terminated packages also commenced their civil works. Therefore, in 2021 all the re-tendered packages were under civil works. At the later part of the 2021 year, the KU 03-R package handed over the Road IDs 20, 38 and 84.

02. There are five Contract packages in NWP as incapable Contractors to complete the project. They are lagging to complete the project or they stopped the abandoned work without completing commenced rehabilitation activities. In that incident, a lot of environmental issues are evident, such as debris, public safety, drainage system and etc. Therefore, unsolved environmental issues remain for a long time. But, during the year 2020, newly appointed packages; KU 03-R, KU 04-R1, KU 04-R2, KU 04-R3, KU 05-R, PU 02-R1, PU 02-R2 and PU 03-R rectified the previous Contractors' some of

the issues and ongoing rectifying. And no any significant issues were raised except natural disasters for the KU 03-R, KU 04-R3 and PU 02-R1 during the reported period due to the Adverse weather impact.

03. The COVID-19 epidemic was critically affected for all the packages during the reported period. Therefore, time to time the packages quarantined and they strictly particular about the preventive methods for COVID-19 Epidemic. And specially they considered about the EOTs and Claim Notices were submitted.

04. When considering the Tree Planting for the removed trees of the project requirements have been conducted successfully in the year 2018. But because of the poor maintenance of some trees which have planted earlier have been died. Therefore, relevant Contractors have planted trees again for the ADB guidelines for complying the 1:3 ratio for cut trees re-planting. Hence, the tree planting was done successfully 2019. But during the reporting period there was only two tree-planting programmes held.

05. At PIC 02, the Contract packages have implemented the civil works (Construction activities), according to the Environmental requirement by changing the Engineering designs in a favorable way for the Environmental conditions. According to the 'All Weather Roads' concept in iRoad Program, this is an enviable trend for achieve Environmental goals. Further, Safety Audit reports and the Condition Reports also referring to success the project.

06. The terminated packages had lots of Environmental issues because of incomplete constructions. Therefore, emergency and safety permanent works were carried out for taking the roads up to motorable conditions. But the new Contractors are considering all the previous Contractors issues and rectified as much as possible considering the project scope, provisions and viability. Therefore, special discussions were carried out with all the three parties (The Employer, The Engineer and The Contractor) in a package wise to incorporate all the Engineering design changes according to the Transect walks, Environmental Checklist, GRC meeting minutes and the Complain Registers of the previous Contractor and the current Contractor.

07. The CSD/TA Specialist/ Mr. Saranga Gajasinghe was the Safeguards Officer of the Environmental section in ADB/SLRM from the middle of the October 2019. Therefore, he is guiding for us to implement Environmental safeguards successfully in the PIC 02. Especially online capacity building programmes were conducted to aware about the Environmental related subjects.

08. All the staff in the PIC 02, especially ESSO and SGRO were actively committed in the implementation of safeguards component on the ground level. There are some issues when implementing the Environmental safeguards activities because lack of the knowledge about Environmental section and the importance of the Environment. But due to awareness of the protective benefits of Environmental safeguards, then the people understood. Actually, the correct implementation of the Environmental safeguards will induce cost cutting beneficiaries as well.

09. The road PIC 02 has 227 roads scattered everywhere in the North Central Province and North Western Province. Therefore, practically it is very difficult to manage and monitor the activities related to Environment with the limited staff. So, the appointment of ESSO and DSESAs are very useful. Because then the grass root level they can attend very keen for the issues and can involve to mitigate those. But, now only has two districts. Therefore, the staff was curtailed into one Assistant for Puttalam District.

10. The ADB/SLRM has introduced a GIS Base Site Specific online monitoring system in 2018, and then lots of updates were happening in 2019. Therefore, at PIC 02, it was successfully implemented. But some constraints also there when implementing it. But considering the environment/green concepts, it is innovative and non-time-consuming system as well as wasting paper for reporting is reduced. It's more advisable for achieving the Environmental objectives

11. All the Contractors are considering the safety required level. They have supplied personal safety gear for every worker. At many times, staff level some Site Officers have not worn safety gear. Barricading at required works sites not properly erected. Some Contractors have not had SOs. If available, they do not have knowledge and required experiences. Some SOs are staying at their PM's Office doing other work not going to the sites. The financial issues faced by the Contractors are the major issue according to the observation. The sub-contractors deployed by some Contractors are the reason for safety issues. They do not know the importance of the personal safety equipment and community/public safety. The attention paid by the Contractors in this matter is very least early. But, during the end of March 2021, the RDA/Head Office strictly considered the Safety at the sites. Therefore, all the Contract packages were aware and guided to implement the site safety very keenly. Then, the Contractors implemented the site safety precautions in an accepted to the considered level of the standard.



12. Some of the Contractors have not been paying their strict attention for the PBM, because the Contractors are already de-mobilized from the sites and only one office is maintained. Therefore, it is advised to implement it correctly. This was a major issue by considering the previous years as well.

## **10.2: Recommendations**

01. The Environment Conservation is a strict guideline in the ADB Environmental Policy Statement 2009 and EARF as well. But practically it is not implemented well, according to the required level. Therefore, it is better to pay attention for this component very keenly and rules and regulations should be considered.

02. A penalty system for Environmental safeguards violations should be encouraged by introducing reasonable penalty. In this way, delay of environmental issues rectifications can be accelerated. The decision of penalty should be decided by the Engineer.

03. The Client should pay more attention to select Environmentally sound and financially capable Contractors when Bid documents are reviewed.

04. In this iROAD Program, there are no any Environmental quality testing applications such as water quality, air quality and etc. Therefore, in future it is better to implement those for in a favorable way. Additionally, the GIS based SSESMS or Online systems will be implemented in future is an essential.

05. The ESOs of this project (whether PIU or PIC or Contractors) are contributing their fullest support with a team spirit, to achieve the civil works by doing least affect the environment. But the facilities and remuneration are not in a satisfactory level. Therefore, kindly requesting to implement a facility manual for them as well.

06. Most of the Contractors are unable to take Trade licenses for the Borrow pits, Sands etc. from the third parties. Meantime the samples are tested for as the standard materials, these will be passed for the construction activities though it is without a TL. Hence, it is an issue of obtaining those permits as the Safeguards team and it is a problem to avoid those materials due to delay in progress. Hence, it should be implemented a proper rules and regulations for it.

07. Most important thing is refreshing workshops should be implemented to extract the innovative systems for the Environmental safeguards. Especially, the **Green Concept** implementation is very important.

08. The ESOs of Contractors had looked after the roads scattered everywhere in their Contract packages. Many of the roads are stretched through the forest areas where wild elephants are roaming. When monitor the Environmental safeguards activities they have to go on the roads very often. On the other hand, they are going to many Government offices and other places to obtain environmental related licenses/permits and to collect required data. Except very few PMs, others have not provided suitable transport facilities to ESOs. Therefore, such ESOs are working without job satisfaction. They do the job only for earning money for livelihood. This is a bad and the worst situation faced by more ESOs. In accordance with the ADB and Sri Lanka Government, Safeguards Policies are very significant and powerful component amongst others. The success of this prominent component depends on the compliance and performance of work on the site. If the ESO does not have a suitable vehicle to use in any climatic situation, the objective of the safeguard policies is not achieved. This issue was mentioned in the 2019 and 2020 report as well. But yet there's no proper solution has implemented for this. Therefore, it is better to consider this problem strictly in future projects and there should be a legal obligation of the Contractor to supply suitable safety vehicle for ESOs to travel transport in difficult areas.

## Annexure I.

### Recruitment Details of Environmental and Social Officers (ESOs)

#### 1. Recruitment Details of the Contractor's ESOs (NWP)

Contract Package	Serial No.	Name of ESO	Appointed Date	Resigned Date
KU 03-R	1.	Miss. N. A. Gayani Nisansala Dias	13.02.2020	Still working
	2.	Miss. R. M. Nirosha Madhushani Rathnayake	29.05.2020	28.02.2021
	1.	Mr. V. G. Sunil Piyasiri	26.01.2017	10.02.2019
	2.	Mr. R. M. Amarasekara	15.02.2017	17.02.2018
	3.	Miss. A. F. Fayasa	17.02.2018	13.06.2018
	4.	Mr. Mohamed Cassim Najmul Hussain	26.06.2018	28.02.2019
	5.	Mr. A. A. H. M. Atapattu	18.03.2018	04.06.2019
KU 04-R1	1.	Ms. U. G. G. N. S. Kumari Gunasinghe	01.03.2021	10.09.2021
	2.	Mr. R. W. M. S. S. B. Wanigasekara	30.03.2021	Still working
KU 04-R2	1.	Mr. R. G. Chathuranga Jayathilake	15.12.2020	Still working
KU 04-R3	1.	Mr. R. A. Thushara Deepal	20.12.2021	Still working
KU 05-R	1.	Mr. Suranga Madhura Kumara	20.05.2020	11.10.2020
	2.	Mr. M. D. P. K. Gunathilake	01.07.2020	25.10.2020
	3.	Miss. Y. A. P. Arunoda Amarasena	14.09.2020	08.07.2021
	4.	Mr. S. M. Hewavitharana	28.09.2020	Still working
PU 02-R1	1.	Mr. V. K. Nuwan Sameera.	23.11.2020	Still working
PU 02-R2	1.	Mr. P. H. D. Janitha Sahan.	25.01.2021	15.10.2021
	2.	Mr. Thyananthan Nilojan.	13.12.2021	Still working
PU 03-R	1.	Mr. M. A. Anushka Sandaruwan Silva.	15.02.2021	31.04.2021
	2.	Mr. Kasun Sampath Rathnayake	12.06.2021	Still working

**Integrated Road Investment Program (iRoad)**

**Environmental Safeguards Capacity Building Programmes conducted through iRoad/PIC 02 during 2021**

No .	Date and Venue	Name of the Programme	Brief Description of the Programme	Resource persons and Target Groups	Nos. of attended
1.	24.02.2021	An Orientation programme for new Contractors of PU about 'Environmental and Social Safeguards Compliance in iRoad'	The objectives and importance of project completion by safeguarding the Environment and the Public.	Mrs. S. D. P. Weeraratne – SGRO/PIC 02 Miss. S. N. D. Amaratunge – ESSO/PIC 02  To all the retendered packages' Contractors – PU 02-R1, PU 02-R2 and PU 03-R	Total – 24 Male: 20 Female: 04
2.	25.02.2021	An Orientation programme for new Contractors of KU about 'Environmental and Social Safeguards Compliance in iRoad'	The objectives and importance of project completion by safeguarding the Environment and the Public.	Mrs. S. D. P. Weeraratne – SGRO/PIC 02 Miss. S. N. D. Amaratunge – ESSO/PIC 02  To all the retendered packages' Contractors – KU 04-R1, KU 04-R2 and KU 04-R3	Total – 15 Male: 12 Female: 03
3.	29.11.2021	MS Project for EOT Analysis	Extension of time analysis due to COVID – 19 pandemic and the adverse weather impact.	Engineer Mr. Nadarajah Priyananth/ iRoad Head Office  To the key staffs of the Employer, the Engineer and the Contractors	Total – 26 Male: 22 Female: 04
4.	22.12.2021	Quality Assurance in Construction	How to do the construction activities by complying the quality assurance aspects and especially environmental and social safeguards attributes as well.	Engineer Mr. Vijitha Fernando/ Former Head Office/RDA  To the key staffs of the Employer, the Engineer and the Contractors	Total – 35 Male: 31 Female: 04

**Attention paid for complains, requests and suggestions made at Transect walks, GRC meetings and Complaint Registers (Previous and Current Contractors)**

**Current Status:** North Central Province, Anuradhapura has been completed – AP 01, AP 03 on 30<sup>th</sup> of April 2019, AP 02 on 31<sup>st</sup> of January 2019 and AP 04 on 31<sup>st</sup> of December 2018.

Polonnaruwa - PO 01, PO 02 and PO 03 have been completed on 02<sup>nd</sup> of October 2018, 23<sup>rd</sup> of December 2018 and 31<sup>st</sup> of October 2018 with respectively.

North Western Province, Kurunegala – KU 01 and KU 02 have been completed on 31<sup>st</sup> of January 2019 and 15<sup>th</sup> of September 2019 with respectively. But other three packages which are (KU 03 and KU 05) and KU 04 have been terminated on 26<sup>th</sup> of February 2019 and 02<sup>nd</sup> of August 2019 with respectively. The Road IDs 27 & 28 at KU 04 has been started to complete the permanent works up to motorable condition to comply the outstanding Environmental and Social issues by MAGA Engineering PLC and KDAW-BMG JV. The KU 03 and KU 05 already retendered and currently undergoing the civil works as KU 03-R and KU 05-R. Their commencement date is 20<sup>th</sup> of February 2020.

Puttalam – PU 01 is already handed over all the roads to the Employer. PU 02 and PU 03 have been terminated on 02<sup>nd</sup> of August 2019 and 13<sup>th</sup> of November 2019 with respectively. But Emergency works have been done in above packages by PU 01 package Contractor, Ranken Railway Construction Co. LTD. Then the PU 02 and PU 03 already retendered and currently undergoing the civil works as PU 02-R1, PU 02-R2 and PU 03-R. Their commencement date is 15<sup>th</sup> of December 2020.

Hence, the updated complains, requests and suggestions up to 31<sup>st</sup> of December 2021 is mentioned by describing the rejected issues due to reasonable matters as well.

Package	No. of Complaints/ Requests/ Suggestions	No. of action taken	No. of rejected due to reasonable matter	No. of cases Solution In-progress	Remarks
Project 5 – Kurunegala (NWP)					
KU 03-R	48	40	02	06	Some are reasonably rejected because they are out of the project scope, there no provisions to go further rehabilitations and technically no need to apply any construction activities.
KU 04-R1	20	08	02	10	
KU 04-R2	08	06	01	01	
KU 04-R3	22	06	05	11	
KU 05-R	37	18	07	12	
Project 5 – Puttalam (NWP)					
PU 02-R1	09	05	00	04	Some are reasonably rejected because they are out of the project scope, there no provisions to go further rehabilitations and technically no need to apply any construction activities.
PU 02-R2	18	10	02	08	
PU 03-R	30	26	01	03	

**Licenses and Approvals*****(A) Licences and Approvals – KU 03-R***

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Quarry	WKK Crusher Plant - Wadakada	06.03.2021	05.03.2022	01.01.2021	31.12.2021	10.09.2021	09.12.2021
2.	Crusher	WKK Crusher Plant - Wadakada	06.03.2021	05.03.2022	01.01.2021	31.12.2021	N/A	
3.	Burrow Pits	L.A. Shelton, Rambukkana.	05.05.2021	04.05.2022	01.01.2021	31.12.2021	22.09.2021	21.12.2021
4.	Asphalt Plant	Access Engineering PLC, Kotadeniyawa	13.10.2021	12.10.2022	01.01.2021	31.12.2021	N/A	
5.	Concrete Batching Plant	Sathuta Builders (Pvt) Ltd., Malkaduwwa.	06.03.2021	05.03.2022	01.01.2021	31.12.2021	N/A	
6.		Sanken Construction (Pvt) Ltd.	28.05.2020	27.05.2022	01.01.2021	31.12.2021	N/A	

**(B) Licences and Approvals – KU 04-R1**

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Quarry	Anil Metal Crusher	License works under Processing					
2.		Sawasthipura Metal Crusher	18.07.2021	17.07.2022	Pending		28.03.2021	29.03.2022
3.		Pabasara Metal Crusher	21.10.2021	22.10.2022	Pending		05.10.2021	06.12.2021
4.	Crusher	Anil Metal Crusher	License works under Processing					
5.		Sawasthipura Metal Crusher	18.07.2021	17.07.2022	Pending		-	-
6.		Pabasara Metal Crusher	21.10.2021	22.10.2022	Pending		-	-
7.	Burrow Pits	Warawewa Barrow Pit	License works under Processing					
8.		Saliyawewa Barrow Pit	License works under Processing					
9.		Nochiya Barrow Pit	License works under Processing					
10.		Mahagalkadawala Borrow Pit	03.26.2021	25.03.2022	Pending		02/11/2021	02/01/2022
11.	Asphalt Plant	ACCESS Asphalt Plant	03.08.2021	03.08.2022	11.03.2021	10.03.2022	23/08/2021	22/08/2022



S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
12.	Concrete Batching Plant	Sathuta Builders (Pvt) Ltd., Malkaduwwa.	06.03.2021	05.03.2022	01.01.2021	31.12.2022	N/A	
13.		Tokyo Super Mix (Pvt) Ltd.	19.06.2019	18.06.2022	15.05.2020	31.12.2020	N/A	

**(C) Licences and Approvals – KU 04-R2**

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Quarry	BMK Metal Crusher	11.01.2021	10.01.2022	26.01.2021	31.12.2021	Pending	
2.	Crusher	BMK Metal Crusher	11.01.2021	10.01.2022	26.01.2021	31.12.2021	N/A	
3.		Anura Wijenayaka (Pvt)	Pending		01.09.2021	31.12.2021	N/A	

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
4.	Burrow Pits	Lunuwaranagaha Hena, Thimbiriyawa	14.09.2021	13.12.2021	Pending		14.09.2021	13.12.2021
5.		Nagodamukalana	21.10.2021	31.12.2021	Pending		21.10.2021	31.12.2021
6.	Asphalt Plant	Anura Wijenayaka (Pvt)	Pending		01.09.2021	31.12.2021	NA	
7.	Concrete Batching Plant	Sathuta Ready mix Plant	06.03.2021	05.03.2022	01.02.2021	31.12.2021	NA	
8.	Sand	Disanayaka Washing Plant	Pending		Pending		Pending	

**(D) Licences and Approvals – KU 04-R3**

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Quarry	ICC Quarry - Ganewalpola	18.09.2020	31.03.2021	01.01.2021	31.12.2021	06.10.2021	31.12.2021
2.	Crusher	ICC Crusher - Ganewalpola	04.10.2020	03.10.2021	01.01.2021	31.12.2021	N/A	
3.	Burrow Pits	Agara Uda B. P	-	-	-	-	08.01.2021	07.07.2021
4.	Asphalt Plant	ICC Asphalt Plant - Ganewalpola	13.10.2020	12.10.2021	01.01.2021	31.12.2021	N/A	
5.	Sand	Unagolla wash sand plant	-	-	-	-	20.02.2021	17.06.2021

**(E) Licences and Approvals – KU 05-R**

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Asphalt plants	Access Engineering Asphalt plant, Kotadeniyawa.	2020.11.20	2021.05.19	2021.01.01	2021.06.01	N/A	
2.		Finite Lanka Asphalt Plant Walgammulla, Veyangoda.	2020.10.20	2021.04.30	2020.11.01	2021.05.01	N/A	
3.	Ready Mix Concrete	Sathuta Ready Mix (Pvt) Ltd, Negombo Road, Kurunegala.	2020.05.06	2021.05.06	2020.06.06	2021.06.05	N/A	
4.		Sanken Construction (Pvt) Ltd. Ready-Mix Plant.	2020.11.28	2021.05.27	2020.12.03	2020.06.02	N/A	
5.	Fine Aggregates	W.M.L.W.K. Wijesinghe, Mudannapola Estate Land, Wellegala.	2020.05.17	2020.11.16	2020.06.04	2021.06.03	2020.10.04	2021.04.03

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
6.		E.M.A.K. Ekanayake	2020.10.20	2021.04.19	2020.09.01	2021.08.31	2020.06.17	2020.12.16
7.	ABC	Finite Lanka Crusher, Maveehena, Katuwakele, Ambepussa.	2020.07.01	2021.06.30	2020.04.28	2021.04.27	N/A	
8.		WKK Crusher Plant, Wadakada.	2020.06.10	2021.06.09	2020.06.12	2021.06.11	N/A	
9.	Coarse Aggregates	Finite Lanka Crusher, Maveehena, Katuwakele, Ambepussa.	2020.07.01	2021.06.30	2020.06.08	2021.06.07	N/A	
10.	Sub Base Material	Awulegama Borrow Pit 02	2020.03.14	2021.03.14	2020.10.26	2021.04.26	2020.05.01	2021.04.30
11.		E.M.A.K. Ekanayake (Pahimaduwa)	2020.05.20	2021.05.19	2020.05.01	2021.04.30	2020.06.17	2021.06.16
12.		S.W.M.T.S Bandara	2020.05.12	2021.05.11	2020.05.01	2021.04.30	2020.05.01	2021.04.30
13.		Ihalayaya, Thimbiriyawa.	2020.04.29	2021.04.28	2021.01.26	2021.04.25	2020.11.26	2021.04.25

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
14.		Pahala Balalla	2021.02.11	2021.05.10	2020.12.10	2021.06.10	2020.12.10	2021.05.09
15.	Shoulder Material	Awulegama Borrow Pit 02	2020.03.14	2021.03.14	2020.03.20	2021.03.19	2020.04.01	2021.03.31
16.		E.M.A.K. Ekanayake (Pahimaduwa)	2020.05.20	2020.11.19	2020.01.01	2020.12.31	2020.06.17	2020.12.16
17.		Leekolapitiya Borrow Pit	2019.12.13	2020.12.13	2020.07.26	2021.02.26	2020.07.26	2021.02.26
18.		Ihalayaya, Thimbiriyawa.	2021.01.26	2021.04.25	2021.01.26	2021.04.25	2020.11.26	2021.05.25
19.		Pahala Balalla	2021.02.11	2021.05.10	2020.12.10	2021.03.10	2020.12.10	2021.06.09

**(F) Licences and Approvals – PU 02-R1**

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Quarry	Edward and Christie company – Wadakada	20.06.2020	21.06.2022	N/A		20.06.2020	21.06.2021

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
2.	Crusher	Edward and Christie company – Wadakada	10.07.2020	09.01.2022	10.07.2020	09.01.2022	N/A	
3.	Burrow Pits	L.R.H.M.M. Rajakaruna, Peththigama, Siyambalagashena Rd, Anamaduwa.	N/A	N/A	09.06.2021	30.09.2021	09.06.2021	30.09.2021
4.		A.H.M. Kusumalatha, Palugahakelewaththa, Mahakubukkadawala.	N/A	N/A	04.08.2021	03.10.2021	04.08.2021	03.10.2021
5.	Asphalt Plant	Edward and Christie company Biatris waththa, Badalgama.	Request to renew	Request to renew	01.02.2021	31.12.2021	N/A	
6.	Concrete Batching Plant	Industrial Building System (Pvt.) Ltd.	10.12.2020	09.12.2021	08.01.2021	31.12.2021	N/A	
7.	Water	-	-	-	-	-	-	-
8.	Sand	-	-	-	-	-	-	-

**(G) Licences and Approvals – PU 02-R2**

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Quarry	W.A Remy - Madhurankuliya	02.03.2021	01.03.2022	18.01.2021	31.12.2021	01.02.2021	31.12.2021
2.	Crusher	Ranara Metal Crusher	06.01.2021	05.01.2022	Request to renew		21.01.2021	09.12.2021
3.		Jayasri Metal Crusher – Katupotha	Request to renew		Request to renew		Request to renew	
4.		Nawalanka metal Work – Rasnayakepura	Request to renew		Request to renew		Request to renew	
5.		Deshani Metal Crusher - Mudalakkuliya	Request to renew		Request to renew		Request to renew	
6.	Borrow Pits	Siyabalagaswewa	N/A		Request to renew		26.01.2021	23.06.2021
7.		Nagawila	N/A		Request to renew		02.02.2021	01.04.2021
8.		Surakkulama	N/A		Request to renew		02.03.2021	01.06.2021
9.		Daluwegama	N/A		Request to renew		21.01.2021	20.04.2021
10.		Mahakubukkadawala	N/A		Request to renew		19.01.2021	18.03.2021



S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
11.	Asphalt Plant	L.M.C.E Asphalt Plant – Mandawala	02.02.2021	01.02.2022	Request to renew		N/A	
12.		Access Engineering PLC - Kotadeniyawa	Request to renew		Request to renew		N/A	
13.	Concrete Batching Plant	AMSK Construction	Request to renew		Request to renew		N/A	
14.	Sand	SRN Constructions	Request to renew		Request to renew		Request to renew	

**(H) Licences and Approvals – PU 03-R**

S/N	Type of Plant	Supplier Name and Location	EPL/ER (EC) from CEA		Certificate of Conformity/Trade License (TL) or Consent Paper		IML from GSMB	
			From	To	From	To	From	To
1.	Quarry	CEC Metal Quarry - Karagahagedara	Request to renew		10.02.2021	31.12.2021	28.12.2020	27.12.2021
2.	Crusher	CEC Metal Crusher - Karagahagedara	25.11.2020	24.11.2021	10.02.2021	31.12.2021	N/A	
3.	Burrow Pits	CEC Borrow pit - Polhenwatta	08.01.2021	08.04.2021	02.05.2021	02.08.2021	02.05.2021	02.08.2021
4.	Asphalt Plant	CEC Asphalt plant - Karagahagedara	25.11.2020	24.11.2021	10.02.2021	31.12.2021	N/A	
5.	Concrete Batching Plant	CEC Batching plant	19.06.2019	18.06.2022	Request to renew		N/A	
6.	Sand	-	-	-	-	-	-	-

**Summery of the Stockpile yards and the Disposal yards - 2021**

- Stockpile yards**

Road ID	Details of Stockpile yards				Approval and other requirements					Completion Details			Remarks
	Location of Yard (Address or chainage)	Capacity (m³)	GPS Coordinates	Name	Owner	GN	LA	PIC Approval	Restoration plan	Status (In progress/ Complete)	NO objection letter obtained	Handed Over	
KU 03-R (Kurunegala District)													
87	Ch.01+460 LHS	500	-	G.L. Madhura Nawarathne	√	√	√	√	√	x	x	x	Still operati ng the Yard
87	Ch.01+530 RHS	1500	-	Manoj Roshan Danwaththa	√	√	√	√	√	x	x	x	Still operati ng the Yard
87	Ch.05+310 RHS	1000	-	W.P. Jayasiri	√	√	√	√	√	x	x	x	Still operat ing the Yard
20	Ch.04+230 LHS	700	-	B. G. Jayarathna	√	√	√	√	√	√	√	√	-
40	Ch.00+330 RHS	500	-	W. S. M. Thisa Bandara Malmeewala	√	√	√	√	√	x	x	x	Still operating the Yard

40	Ch.00+700 LHS	800	-	W. G. Padmasiri Abeythilaka	√	√	√	√	√	x	x	x	Still operati ing the Yard
22	Ch.18+905 RHS	1200	-	A. M. Athapaththu	√	√	√	√	√	x	x	x	Still operat ing the Yard
23	Ch.00+873 RHS	2000	-	R. D. Gunawardhana	√	√	√	√	√	x	x	x	Still operati ing the Yard
23	Ch.05+620 RHS	500	-	P. S. Madhushanka Hemachandra	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.04+381 RHS	1300	-	R. Chandrawathie	√	√	√	√	√	x	x	x	Still operat ing the Yard
23	Ch.04+790 RHS	1000	-	K. P. Malani Wijayalatha	√	√	√	√	√	x	x	x	Still operati ing the Yard
23	Ch.09+060 LHS	2000	-	P. P. Kusumawathi Kumarasinghe	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.12+370 RHS	1000	-	D. M. Nandani Chandralatha	√	√	√	√	√	x	x	x	Still operati ing the Yard
39	150m away from Ch.00+000	700	-	L. W. K. Marasinghe	√	√	√	√	√	x	x	x	Still operati ing the Yard
39	Ch.01+234 RHS	500	-	L. G. Jinawathi	√	√	√	√	√	x	x	x	Still operat ing the Yard
39	Ch.01+757 RHS	800	-	I. G. Sumanalatha	√	√	√	√	√	x	x	x	Still operat ing the Yard
37	Ch.03+040 RHS	2000	-	Ihalakoon Wewe Rathanasara Thero	√	√	√	√	√	x	x	x	Still operating the Yard

37	Ch.02+220 LHS	200	-	N. D. Thilakawathi	√	√	√	√	√	x	x	x	Still operating the Yard
84	Ch.01+275 RHS	1000	-	R. M. Sudath Senevirathna	√	√	√	√	√	√	√	√	-
84	Ch.02+340 RHS	250	-	A. M. Saman Anura Thennakoon	√	√	√	√	√	√	√	√	-
84	Ch.02+323 RHS	200	-	K. M. Dissanayaka	√	√	√	√	√	√	√	√	-
<b>KU 04-R1 (Kurunegala District)</b>													
08	Ch. 02+930 LHS	-	-	E. M. S. S. Bandara	√	√	√	√	√	x	x	x	Still operating the Yard
08	Ch. 08+916 LHS	-	-	W. M. R. Sepali Weerasinghe	√	√	√	√	√	x	x	x	Still operating the Yard
08	Ch. 09+400 LHS	-	-	H. M. P. Abeyrathna	√	√	√	√	√	x	x	x	Still operating the Yard
08	Ch. 05+300 RHS	-	-	S. P. J. L. K. Thilaka	√	√	√	√	√	x	x	x	Still operating the Yard
90	Ch. 15+500 LHS	-	-	N. P. S. Mohamad	√	x	x	x	x	x	x	x	(Documents will be submitted to the
90	Ch. 12+222 LHS	-	-	Pradeshiya Sabha - Giribawa	√	x	x	x	x	x	x	x	(Documents will be submitted to the
90	Ch. 10+522 RHS	-	-	J. Nilawferdeen	√	x	x	x	x	x	x	x	(Documents will be submitted to the

91	Ch. 05+300 LHS	-	-	W. T. M. Mudiyanse	√	x	x	x	x	x	x	x	(Documents will be submitted to the
<b>KU 04-R2 (Kurunegala District)</b>													
10	Ch. 01+900 RHS	2000	-	K. Gunasiri	√	√	√	√	√	x	x	x	Still operating the Yard
10	Ch. 01+370 By road RHS	2000	-	United Funeral Committee	√	√	√	√	√	x	x	x	Still operating the Yard
10	Ch. 01+370 By road LHS	1500	-	W. M. L. B. Eriyawa	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 00+200 LHS	600	-	D. M. K. B. Dissanayaka	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 00+750 RHS	2000	-	D. M. Bandara Menika	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 00+820 LHS	6000	-	W. A. M. Chandradasa	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 04+950 LHS	4000	-	R. I. B. J. Bandara	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 04+990 LHS	3000	-	R. I. B. N. P. Menike	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 05+020 LHS	4000	-	R. I. B. R. Bandara	√	√	√	√	√	x	x	x	Still operating the Yard
<b>KU 04-R3 (Kurunegala District)</b>													
28	Ch. 09+800 RHS	15,000	-	G. M. Podi Menika	√	√	√	√	√	x	x	x	Still operating the Yard

28	Ch. 23+400 LHS	25,000	-	J. H. Wimal	√	√	√	√	√	x	x	x	Still operating the Yard
<b>KU 05-R (Kurunegala District)</b>													
29	Ch. 04+870 RHS	400	-	Ranjith Jayashantha	√	√	√	√	√	x	x	x	Still operating the Yard
29	Ch. 02+370 RHS	200	-	Divisional Secretary Office – Rasnayakapura	√	√	√	√	√	x	x	x	Still operating the Yard
26	Ch. 02+425 LHS	380	-	L. S. K. U. Wijewardana, Pattalegedara, Padeniya.	√	√	√	√	√	x	x	x	Still operating the Yard
26	Ch. 07+399 RHS	200	-	S. R. K. B. B. M Gamini Rajakaruna, Bamunugama, Mirihanegama.	√	√	√	√	√	x	x	x	Still operating the Yard
61	Ch. 01+210 LHS	200	-	H. M. Seethawathi Menike, Salpila Waththa, Abakadawara, Kanattewewa.	√	√	√	√	√	x	x	x	Still operating the Yard

83	Ch. 00+880 RHS	500	-	A. L. Ibrahim, Madige Anukkane, Sunandapura.	√	√	√	√	√	x	x	x	Still operating the Yard
79	Ch. 02+178 RHS	600	-	Ganegama Primary School – Divisional Secretariat – Paduwasnuwara West.	√	√	√	√	√	x	x	x	Still operating the Yard
<b>PU 02-R1 (Puttalam District)</b>													
02	Ch. 01+424 RHS	5395	-	Lakmini Nisansala, Usbim Janapadaya, Kottukachchiya.	√	√	√	√	√	x	x	x	Still operating the Yard
02	Ch. 03+185 LHS	5395	-	M. A. Sameera Chathuranga, 228, Athungoda, Kottukachchiya.	√	√	√	√	√	x	x	x	Still operating the Yard
02	Ch. 04+517 LHS	5395	-	W. I. M. R. Dharmathilaka, 237 A, Athungoda, Kottukachchiya.	√	√	√	√	√	x	x	x	Still operating the Yard
02	Ch.01+020 RHS	5395	-	Parakumba Maranadhara Samithiya, Usbim Janapadhaya,	√	√	√	√	√	x	x	x	Still operating the Yard



				Kottukachchiya.									
04	Ch. 11+996 (RHS)	6740	-	S. G. Kumarasinghe, Uddiyakulama, Mahakubukkadawala.	√	√	√	√	√	x	x	x	Still operating the Yard
04	Ch. 01+380 (RHS)	6740	-	M. M. Ranbanda, 649/A, Wiharagama.	√	√	√	√	√	x	x	x	Still operating the Yard
04	Ch. 00+812 (LHS)	2697	-	A. H. M. Dharmasiri Bandara, 10 <sup>th</sup> Post, Kottukachchiya.	√	√	√	√	√	x	x	x	Still operating the Yard
04	Ch. 07+400	6740	-	Dangaswewa ground, Dangaswewa.	√	√	√	√	√	x	x	x	Still operating the Yard
09	Ch. 01+110 (LHS)	5395	-	H. P. C. S. Jayamal, Madyama Attavilluwa, Bauma, Puttalam.	√	√	√	√	√	x	x	x	Still operating the Yard
09	Ch. 01+060 (LHS)	5395	-	G. Chamika Prasanna, Madyama Attavilluwa, Puttalam.	√	√	√	√	√	x	x	x	Still operating the Yard

13	Ch. 03+080 (LHS)	8092	-	Walasena Ground, Palasola.	√	√	√	√	√	x	x	x	Still operating the Yard
45	Ch. 01+202 (LHS)	4044	-	W. A. Kapila Chaminda, Govi Janapadaya, Mahakubukkada ala.	√	√	√	√	√	x	x	x	Still operating the Yard
<b>PU 02-R2 (Puttalam District)</b>													
26	Ch. 10+285 RHS	400	-	W. M. Fernando	√	√	√	√	√	x	x	x	Still operat ing the Yard
26	Ch. 05+922 LHS	800	-	H. A. D. Sumathipala	√	√	√	√	√	x	x	x	Still operati ing the Yard
27	Ch. 06+670 LHS	1000	-	A. P. Chandrasiri	√	√	√	√	√	x	x	x	Still operat ing the Yard
27	Ch. 03+880 LHS	800	-	A. S. Gunathilaka	√	√	√	√	√	x	x	x	Still operat ing the Yard
<b>PU 03-R (Puttalam District)</b>													
22	End of 22 Road	19	-	K. A. D. Wickrama	√	√	√	√	√	x	x	x	Still operatin g the Yard
24	Ch. 00+470	241	-	P. M. S. P. Pathiraja	√	√	√	√	√	x	x	x	Still operati ing the Yard
36	Ch. 01+105 LHS	500	-	Mr. Janaka	√	√	√	√	√	x	x	x	Still operat ing the Yard

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- Disposal yards

Road ID	Details of Disposal yards				Approval and other requirements					Completion Details			Remarks
	Location of Yard (Address or chainage)	Capacity (m³)	GPS Coordinates	Name	Owner	GN	LA	PIC Approval	Restoration plan	Status (In progress/ Complete)	NO objection letter obtained	Handed Over	
KU 03-R (Kurunegala District)													
87	Ch.01+460 LHS	700	-	G.L. Madhura Nawarathne	√	√	√	√	√	x	x	x	Still operating the Yard
87	Ch.05+310 RHS	700	-	W. P. Jayasiri	√	√	√	√	√	x	x	x	Still operating the Yard
20	Ch.04+917 RHS	300	-	Sri Shakyamunindara	√	√	√	√	√	√	√	√	-

				maya Temple									
20	Ch.01+521 LHS	350	-	W. A. Nandadewa	√	√	√	√	√	√	√	√	-
20	Ch.01+860 RHS	200	-	S. A. Rathnadewa	√	√	√	√	√	√	√	√	-
20	Ch.02+376 RHS	200	-	A. D. Nimal Rathnayake	√	√	√	√	√	√	√	√	-
20	Ch.01+200 RHS	450	-	H. M. K. Rathnasiri Herath	√	√	√	√	√	√	√	√	-
40	Ch.02+550 RHS	600	-	S. D. Karunapala	√	√	√	√	√	x	x	x	Still operating the Yard
40	Ch.02+090 RHS	450	-	K. G. Gunadasa	√	√	√	√	√	x	x	x	Still operating the Yard
37	Ch.01+420 RHS	250	-	P. D. Jayarathna	√	√	√	√	√	x	x	x	Still operating the Yard
39	150m away from Ch.00+000	800	-	L. W. K. Marasinghe	√	√	√	√	√	x	x	x	Still operating the Yard
39	Ch.01+825 RHS	600	-	I. G. Sumanalatha	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.04+015 RHS	250	-	Sri Maliyadewa Arahamtha Senasanaya	√	√	√	√	√	x	x	x	Still operating the Yard

23	Ch.12+370 RHS	800	-	D. M. Nandani Chandralatha	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.05+170 RHS	400	-	M. D. Gunathunga	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.05+350 RHS	200	-	P. D. C. Nishshanka	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.05+480 LHS	500	-	Sirimewan Chandrasiri	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.05+950 LHS	700	-	N. N. Muthunayaka	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.06+100 LHS	300	-	S. Victor Jayasinghe	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.06+203 LHS	600	-	S. D. Anil Jayasooriya	√	√	√	√	√	x	x	x	Still operating the Yard
23	Ch.06+280 LHS	750	-	P. M. A. Sirimaldeniya	√	√	√	√	√	x	x	x	Still operating the Yard

KU 04-R1 (Kurunegala District)													
08	Ch. 07+007 LHS	500	-	Mrs. P. D. Ashoka Ramyawathi	√	√	√	√	√	x	x	x	Still operating the Yard
08	Ch. 05+760 LHS	450	-	Mr. Gamini	√	√	√	√	√	x	x	x	Still operating the Yard
90	Ch. 13+800 RHS	-	-	Mr. E. M. Jayasena	√	x	x	x	x	x	x	x	(Documents will be submitted to the Engineer)
90	Ch. 12+500 LHS	-	-	Mrs. E. M. Rammanika	√	x	x	x	x	x	x	x	(Documents will be submitted to the Engineer)
KU 04-R2 (Kurunegala District)													
10	Ch. 00+120 LHS	50	-	W. M. Lionel Gunathilaka	√	√	√	√	√	x	x	x	Still operating the Yard
10	Ch. 01+930 LHS	200	-	H. M. Kamalawathi	√	√	√	√	√	x	x	x	Still operating the Yard

10	Ch. 01+530 LHS	20	-	K. A. Udayakumari	√	√	√	√	√	x	x	x	Still operating the Yard
10	Ch. 01+170 LHS	250	-	B. S. W. R. B. D. Kumarihami	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 01+340 LHS	40	-	W. A. M. P. N. Sandaruwan Abeyasinghe	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 01+360 LHS	80	-	W. A. M. P. Herath Banda	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 01+360 LHS	80	-	W. A. M. Ranbanda	√	√	√	√	√	x	x	x	Still operating the Yard
94	Ch. 03+050 LHS	300	-	I. M. Keerthy	√	√	√	√	√	x	x	x	Still operating the Yard
<b>KU 04-R3 (Kurunegala District)</b>													
28	Ch. 09+700 RHS	1000	-	Udehenegama Vidyalaya / Play ground	√	√	√	√	√	x	x	x	Still operating the Yard
28	Ch. 23+350 LHS	2500	-	J. H. Wimal	√	√	√	√	√	x	x	x	Still operating the Yard

KU 05-R (Kurunegala District)													
29	Ch. 01+320 RHS	150	-	P. A. Jeewani Abeysinghe,	√	√	√	√	√	x	x	x	Still operating the Yard
29	Ch. 04+870 RHS	100	-	Ranjith Jayashantha Kadigawa Nikaweratiya.	√	√	√	√	√	x	x	x	Still operating the Yard
26	Ch. 04+380 LHS	100	-	W. Kusumawathee,	√	√	√	√	√	x	x	x	Still operating the Yard
95	Ch. 00+340 LHS	100	-	A. M. J. Menike, Abawathuyaya, Makulpotha.	√	√	√	√	√	x	x	x	Still operating the Yard
77	Ch. 01+320 RHS	150	-	M. T. D. Thennakoon, Pahala Baladora Coir Mill, Kobeigane	√	√	√	√	√	x	x	x	Still operating the Yard
79	Ch. 01+280 RHS	60	-	Abandoned agricultural well.	√	√	√	√	√	x	x	x	Still operating the Yard
83	Ch. 03+100 RHS	60	-	Sudharshanarama ya, Konwewa, Mandapola.	√	√	√	√	√	x	x	x	Still operating the Yard



62	Ch. 04+300 LHS	100	-	H. Chaminda Kumara, Thambarawa, Balagane.	√	√	√	√	√	x	x	x	Still operating the Yard
14	Rambe-Malsiripura Road-In Front of the Library-Polpithigama.	100	-	S. H. Madahapla, Kanda uda walawwa, Madahapola. (Disposal Yard No.17)	√	√	√	√	√	x	x	x	Still operating the Yard
70	Ch. 05+788 LHS	100	-	K. O. K. Kumrasingha, Chandrani Niwasa, Thalwita.	√	√	√	√	√	x	x	x	Still operating the Yard
<b>PU 02-R1 (Puttalam District)</b>													
02	Ch. 01+424 (RHS)	2023	-	Lakmini Nisansala, Usbim Janapadaya, Kottukachchiya.	√	√	√	√	√	x	x	x	Still operating the Yard
02	Ch. 04+495 (LHS)	2023	-	I. M. R. Dharmathilaka, 237 A, Athungoda, Kottukachchiya	√	√	√	√	√	x	x	x	Still operating the Yard
04	Ch. 11+996 (RHS)	2023	-	S. G. Kumarasinghe, Uddiyakulama, Mahakubukkadaw ala	√	√	√	√	√	x	x	x	Still operating the Yard

09	Ch. 01+100 (LHS)	4046	-	H. P. C. S. Jayamal, Madyama Attavilluwa, Bauma, Puttalam	√	√	√	√	√	x	x	x	Still operating the Yard
13	Ch. 03+080 (LHS)	4046	-	Walasena Ground, Palasola	√	√	√	√	√	x	x	x	Still operating the Yard
13	Ch. 01+440 (RHS)	2023	-	Sri Abhinawarama Temple, Palasola	√	√	√	√	√	x	x	x	Still operating the Yard
45	Ch. 01+212 (LHS)	2023	-	W.A. Kapila Chaminda, Govi Janapadaya, Mahakubukkadawala.	√	√	√	√	√	x	x	x	Still operating the Yard
<b>PU 02-R2 (Puttalam District)</b>													
26	Ch. 10+285 RHS	400	-	W. M. Fernando	√	√	√	√	√	x	x	x	Still operating the Yard
26	Ch. 05+922 LHS	800	-	H. A. D. Sumathipala	√	√	√	√	√	x	x	x	Still operating the Yard
27	Ch. 06+670 LHS	1000	-	A. P. Chandrasiri	√	√	√	√	√	x	x	x	Still operating the Yard

27	Ch. 03+880 LHS	800	-	A. S. Gunathilaka	√	√	√	√	√	x	x	x	Still operating the Yard
PU 03-R (Puttalam District)													
For all the roads	"Randeni niwasa", lhala Kottaramulla.	3500	-	Mr. Janith Randeniya	√	√	√	√	√	x	x	x	Still operating the Yard

## Annexure VI.

### Tree removal and re-planting progress

Table 1: Tree Planting Progress

Contract Package	No. of Trees to be removed	No. of Trees removed	No. of saved trees	No. of Trees to be planted	No. of Trees re-planted
<b>Kurunegala (NWP)</b>					
KU 01	68	66	02	198	266
KU 02	04	02	02	06	40
KU 03	17	13	04	39	60
KU 03-R	04	03	01	09	25
KU 04	05	00	05	00	12
KU 04-R1	-	-	-	-	-
KU 04-R2	02	02	00	06	Pending
KU 04-R3	-	-	-	-	-
KU 05	09	06	03	18	87
KU 05-R	12	05	07	15	20
<b>Puttalam (NWP)</b>					
PU 01	11	02	09	06	52
PU 02	16	07	09	21	55
PU 02-R1	01	01	00	03	Pending
PU 02-R2	01	01	00	03	Pending
PU 03	06	06	00	18	10
PU 03-R	05	05	00	15	Pending

Anuradhapura (NCP)					
AP 01	07	03	04	09	100
AP 02	74	27	47	81	188
AP 03	61	33	28	99	177
AP 04	11	08	03	24	111
Polonnaruwa (NCP)					
PO 01	263	56	207	168	170
PO 02	09	07	02	21	60
PO 03	70	06	64	18	250
Total	656	259	397	777	1683

**Table 2: Tree Planting Programs of NCP**

S. No	CP	No. of trees removed	No. of trees to be planted	No. of trees planted	Species	Location	No. of balance trees to be planted
1	AP 01	03	09	100	Diwul, Kohomba, Ma dam, Mee	Keerikkulama – Road IDs 41 & 43	-
2	AP 02	27	81	21	Kumbuk, Ahetu, Mango	Along Jaya Mawatha in between 48km post to 50 km post	-
				127	Mee, Mango, Kumbuk, Domba, Ehatu, Nuga	Road side of the ID 26.	
				40	Lime and Mango	Road ID 26, Karawilagala School	
3	AP 03	33	99	35	Cashew, Mango, Mee	A/Siyabalagaswewa Vidyalaya, Seepukulama	-

S. No	CP	No. of trees removed	No. of trees to be planted	No. of trees planted	Species	Location	No. of balance trees to be planted
				17	Jack, Kumbuk, Lime, Ehela, Kohomba	Isurumuniya Raja Maha Viharaya, Anuradhapura	
				77	Kohomba, Bulu, Karanda, Mee	Forest land Road ID 24, Ch.01+875 LHS	
				23	Nelli, Bulu, Mee, Na, Jack Tree	Purana Gal Anda Viharaya-Road ID 25- Ch.01+175 RHS	
				25	Mango	A/ Siyabalagaswewa Vidyalaya, Seepukulama.	-
4	AP 04	08	24	50	Mango, Guava, Governor's Plum, Pomegranate, Ox-Heart, Ambaralla, Rose Apple, Ceylon Olive, Orange	Ho/ Ruwanweli Central College	-
				15	Kumbuk Trees	Road ID 32 – Ch. 00+010 Ch. 00+500 Both sides	-
				10	Mee ( <i>Madhuca longifolia</i> )	Road ID 33 - Ch. 01+100 LHS	-
				36	Mee ( <i>Madhuca longifolia</i> ), Kumbuk	Road ID 57 – Ch. 04+800 to Ch. 05+000 - LHS, Ch. 02+600 to Ch. 02+400 – RHS Ch. 01+900 - RHS	-
5	PO 01	56	168	40	Mango, Cashew	Yaya 14, Kotta pitiya	-
				130	<i>Khaya senegalensis</i> (African Mahogany).	Konduruwawa Yaya – 32	
6	PO 02	07	21	10	Mango	Temple – Road ID 25 (Ch. 02+860 LHS)	-
				25	Mango, Nelli, Kumbuk, Jack Trees, Panimora, Karanda and Ehela	Road ID 46 - Vivekaramaya Hathamuna.	
				25	Mango, Nelli, Kumbuk, Jack Trees, Panimora, Karanda and Ehela	Road ID 46 - Gangaramaya, Hathamuna.	

S. No.	CP	No. of trees removed	No. of trees to be planted	No. of trees planted	Species	Location	No. of balance trees to be planted
7	PO 03	06	18	250	Burutha, Kohomba, Na, Kumbuk, Mango, Jack Tree, Mee	Medagama Maha Vidyalaya, Dimbulagala.	-

**Table 3: Tree Planting Programs of NWP**

S. No.	CP	No. of trees removed	No. of trees to be planted	No. of trees planted	Species	Location	No. of balance trees to be planted
01	KU 01	66	198	42	Kohomba, Ehela, Delum, Mango, Kumbuk, Mee, Madatiya, Madan	Ranagalla primary school (Ch. 07+800 Km LHS/RHS) Wayamba Sri Siddhartha Vidyalaya (Ch. 03+700 Km LHS)	-
				93	Welan, Madan, Karanda, Mee, Kobo Leela, Kumbuk	Sri Bodhi MMV, Kumbukgahamulla (Ch. 00+565 Km- Ch. 00+690 Km RHS)	
				21	Kohomba, Welan, Halmilla, Kumbuk, Ehela, Mee	Nakkawattha Primary school (Ch. 02+200 Km LHS)	
				12	Kohomba, Welan, Halmilla, Kumbuk	Sri Sambuddhaloka primary school, Karaula. (Ch. 00+080 Km – CH. 00+170 Km LHS)	
				50	Kohomba, Welan, Madan, Karanda, Mee, Madatiya, Na	Wellarawa central college (Ch. 02+400 Km LHS/RHS)	
				16	Welan, Kumbuk, Halmilla, Ehela	Kamburapola Maha Vidyalaya (Ch. 00+050 Km- Ch. 00+110 Km RHS)	

S. No.	CP	No. of trees removed	No. of trees to be planted	No. of trees planted	Species	Location	No. of balance trees to be planted
				12	Madatiya, Pihimbiya, Mee, Ehela	Kosdeniya Maha Vidyalaya (Ch. 06+200 Km LHS/RHS)	
				20	Kumbuk, Madatiya, Ma Dan, Pihimbiya, Mora, Mee, Kohomba, Ehela	Udawela Rewatha Central College (Ch. 02+350 Km LHS)	
02.	KU 02	05	15	10	Kohomba, Mango and Avocado	Sri Meththarama Raja Maha Viharaya. (Road ID 102)	-
				30	Mango, Rambutan, Wood apple, Jambu, Guava, Belly	Giri/ Wickramanayake Maha Vidyalaya, Abbowa.	
03.	KU 03	13	39	25	Veralu, Ehela, Uguressa, Dewadara, Orange, Kamaranka, Jambu, Nelli, Anoda, Mee	Kanawa Maha Vidyalaya, Kanawa (Road ID 22)	-
				10	Kohomba, Nelli, Kohomba, Hathawariya, Delum, Saman Pichcha, Orchid Tree, Dehi, Anoda	Watareka Maha Vidyalaya (Road ID 17)	-
				25	Fruit and Medicinal Plants	Boyagane Maha Vidyalaya. (Road ID 68)	-
04.	KU 03-R	03	09	25	Mango, Avocado, Nelli, Rambutan, Mangosteen	Sri Shakya Munindaramaya Temple (Ch. 04 + 917 RHS on Road ID 20)	-
05.	KU 04	00	00	12	Bud Ehela and Kohomba	Kasikote Primary School	-
06.	KU 04-R1	00	00	-	-	-	-
07.	KU 04-R2	02	06	-	-	-	To be done
08.	KU 04-R3	00	00	-	-	-	To be done a volunteer tree planting programme
09.	KU 05	01	03	87	Savandana, Ela Nithulla, Nika, Marathondu, Welme, Ath Nithulla, Walas Adiriya, Pawatta, Bim Kohomba, Masbedda, Thembu, Thota Thimbula, Komarika, Deththa, Nelli, Eth Demata, Kaha, Hathawariya, Thippili, Akkapana, Anoda, Mango, Jambu, Guava, Cashew, Kamaranga, Iron wood, Naran, Ugurassa, Lovi, Orange, Kumbuk, Nebada, Nuga	Ni/Wa. Naramana Maha Vidyalaya	-



S. No.	CP	No. of trees removed	No. of trees to be planted	No. of trees planted	Species	Location	No. of balance trees to be planted
10.	KU 05-R	05	15	20	Mango, Nelli, Uguressa, Jambu, Veralu, Sepathilla	Sri Sudharshanaramaya Temple (Ch. 02+200 LHS on Road ID 83)	-
11.	PU 01	-	-	52	Godarathmal, Daduha, Dan, Karanda, Halmilla, Maara, Boalpana, Kukuru Maha, Kuratiya, Kaluwara, Weera, Bokala, Kumbuk, Kota Dimbula, Mee, May mara, Yaki naran, Kohomba	Kalewewa Vijaya Maha Vidyalaya, Anamaduwa.	-
12.	PU 02	07	21	15	Magul karanda, Kumbuk, Coconut	At Muslim Vidyalaya, Madawakkulama (Road ID 03)	-
				20	Magul karanda, Bo, Ahetu	At Dhammaloka Vidyalaya, Kelegama, Adippala. (Road ID 26)	-
				10	Magul karanda, Akeshiya, Ahetu	At Thissogama Primary School (Road ID 29)	-
				10	Magul karanda, Kaduru, Kohomba	Ch/Ar. Aththanganaya Government School.	-
13.	PU 03	06	18	10	King Coconut	Sri Nadeemathikaramaya, Muttibandiwila.	08 (This package is terminated and the Contractor could not be replanted the trees).

- **Photographical evidences of some of the saved trees**



- **Saved tree - Kohomba (*Azadirachta indica*) Neem at KU 05-R on Road ID 13**



- **Saved tree - Thelambu (*Sterculia foetida*) Java Olive at KU 05-R on Road ID 13**

## ***Annexure VII.***

### **Property Condition Survey/Pre-cracked Survey**

Property Condition survey/Pre-crack survey is a mandatory requirement of a standard project. Because, normally when heavy machineries such as 4 Ton Roller, 10 Ton Roller and Rammers' ***vibrational effect*** is cause to make damages into the common properties, houses, buildings, monuments etc. **Pre-Crack Survey** consists of a review of a property adjacent to a site where construction activities are about to begin. The main objective of the survey is to visually identify all existing signs of exterior, interior damage, roof damage or any signs of structural settlement, before construction begins. A PCS can protect the subject property owner and the contractor/developer of the site where construction activities will take place. For a property owner, the PCS documents the existing conditions so that any damage or structural settlement caused by the construction is appropriately attributed to the construction activities and, therefore, the responsibility of the contractor/developer to rectify. From the contractor/developer perspective, the PCS is primarily a loss control and claims defense mechanism. If a property owner alleges that damage was sustained due to construction activities, the pre-construction survey can be referenced to confirm what visible damage pre-existed the construction activity. This PCS document will provide written evidence to both parties to settle the dispute without costly legal proceeding. Hence, in this iRoad Project, currently the Pre crack surveys are properly doing because previously there were lots of house cracked issues involved. Then it was very difficult to evaluate condition of the damage without a Pre-crack survey document. Moreover, the Insurance companies are objecting to accept the claims lack of proper evidence/report. Also, in this project, there are two incidents which were raised critically about house cracks. Therefore, the compensations were given by using the Employer's claim. However, newly appointed Contractors are doing Pre-crack survey properly. And, they are monitoring by the SGRO/PIC 02. ESSO also supported to review.

***Scientific reason of the vibrational effect:*** Direct vibration damage is caused by vibration energy transmitted to the foundation through direct contact with the bearing soils. Ground vibrations travel most often, in construction, as surface waves. This type of wave decreases in magnitude, or attenuates, with greater distance from the source of the vibrations.

***Conditions of the iRoad Project:*** The Initial Environmental Examination (IEE) under Content No. V – Anticipated Environmental Impacts and Proposed mitigation measures - Sub Clause: B and APPENDIX – 5: Environmental Management Plan - “Contractor shall take appropriate action to ensure that construction works do not result in damage to adjacent properties due to vibration. If any damages occur, contractor will be responsible for rectifying the damage.”

	
<b>10 Ton Roller – Vibrational effect</b>	<b>Rammer – Vibrational effect</b>
	
<b>Independent house cracked damage evaluation on Road ID 04- PU 02-R1</b>	<b>Independent house cracked damage evaluation on Road ID 09 - PU 02-R1</b>
	
<b>The Compensations were handed over for the cracked house on Road IDs 04 at the PU 02-R1</b>	<b>The Compensations were handed over for the cracked house on Road IDs 09 at the PU 02-R1</b>

***Annexure VIII.***

**COVID – 19 Epidemic Situation and updates of the PIC 02**

Direct effect of Covid-19

Information of Covid-19 positive and quarantine cases in the NWP between 31<sup>st</sup> of May 2021 and 31<sup>st</sup> of November 2021

<b>Category</b>	<b>Package</b>	<b>No. of COVID – 19 Positive persons</b>	<b>No. of COVID – 19 Quarantine persons</b>
<b>Employer</b>	-	01	05
<b>Engineer</b>	-	12	43
<b>Contractor</b>	KU 03-R	16	42
	KU 04-R1	06	23
	KU 04-R2	02	18
	KU 04-R3	03	05
	KU 05-R	18	56
	PU 02-R1	00	05
	PU 02-R2	02	06
	PU 03-R	01	02
<b>Total</b>		<b>61</b>	<b>205</b>

## -Number of Occasions of Covid-19 Positive Cases

**Note:** Above sheet was initiated by the ADB after the third wave of the COVID – 19 in Sri Lanka on 03<sup>rd</sup> of June 2021. Therefore, as the Engineer, this was updated quantitatively every week up to now and continuing. Further, information is officially submitted to the RDA/Head Office through the electronic version as per the guidelines given by the ADB through RDA/iRoad Project.

Category	Package	No. of Occasions (Positive or Quarantined Cases)
Employer	-	4
Engineer	-	16
Contractor	KU 03-R	7
	KU 04-R1	3
	KU 04-R2	4
	KU 04-R3	2
	KU 05-R	12
	PU 02-R1	1
	PU 02-R2	4
	PU 03-R	1
<b>TOTAL</b>		<b>54</b>



	
<p>Covid-19 Notices displayed at the office – KU 04-R1</p>	<p>Implemented Hand washing and Temperature checking regularly at the yard – KU 04-R3</p>
	
<p>Hand washing facilitation at the entrance of the main office – KU 05-R</p>	<p>Social distance maintaining while shoulder construction – PU 03-R</p>
	
<p>Hand washing at ARE's office - KU</p>	<p>Measuring the Temperature at Site office – KU 04-R1</p>



COVID -19 Safety awareness – KU 04-R3



Sanitizing the premises of the yards and stores of KU 04-R3



Maintaining the Social distancing while working – KU 04-R1



Maintaining the Social distancing while working – PU 02-R2



COVID -19 Safety awareness – KU 04-R1



Wearing masks properly at the site – KU 05-R



## Case study 01

-Habitat Protection of “Bim Bassa” / Indian nightjar (*Caprimulgus asiaticus*) at the proposed stockpile yard on Road ID 04 at Ch: 01+380 RHS – **PU 02-R1** (Under the attribute of Impact on Biodiversity of SSEMAP)

-A bird's egg was seen at the proposed stockpile yard during the site visit. Then decided to wait until the hatching the egg to use the stockpile yard because this bird is a native species and important to safeguard them.

	
<ul style="list-style-type: none"> <li>• 26.02.2021 - First observation</li> </ul>	<ul style="list-style-type: none"> <li>• 14.03.2021 - Only 01 Egg</li> </ul>
	
<ul style="list-style-type: none"> <li>• 17.03.2021 - Still hatching</li> </ul>	<ul style="list-style-type: none"> <li>• 26.03.2021 - Egg shells</li> </ul>



- 29.03.2021 - Baby Bird

## **Case Study 02**

-Habitat Protection of “Kalu Bimsariya” / Common blackbird (***Turdus merula kinnisii***) on Road ID 94 at Ch: 04+950 LHS at Gravel Stockpile yard – **KU 04-R2 (Under the attribute of Impact on Biodiversity of SSEMAP)**

**-A bird’s nest was seen at the Gravel stockpile yard. Then decided to wait until the hatching the eggs to use the gravel because important to safeguard them.**



- Especially, this nest was woven inside a naturally evolved hole after the heavy rain by the parent bird.





- After hatching of the eggs and the two little chicks in the nest