



Government of Nepal
Ministry of Federal Affairs and Local Development
Office of District Development Committee
Besishahar, Lamjung

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FOREWORD

It is my great pleasure to introduce this revised District Transport Master Plan (DTMP) of Lamjung District which was concurred and approved by the joint meeting of district stakeholder's and DDC board held on 3rd September 2013. Before approving the DTMP, DRCN was passed by the joint meeting of district stakeholder's and DDC board held on 30th July 2013. Based on the DTMP Guideline 2012, all together 43 District Road Core Network (DRCN) aiming to connect all Village Development Committee (VDC) headquarters with the district headquarter, either directly or through strategic road network (SRN) have been selected. By bringing the DRCN to a maintainable and all-weather standard, year-round access to all VDC headquarters can be ensured.

I believe this document will be helpful to materialize Rural Transport Infrastructure Sector Wide Approach (RTI SWAp) through sustainable planning, resources mobilization, implementation and monitoring of the road development. The document is anticipated to generate substantial employment opportunities for rural people through conservation, improvement and new construction activities of the existing road network. DRCN plays an important role to strengthen and promote overall economic growth of the district through established and improved year round transport services reinforcing intra and inter-district linkages. It is most crucial to expand DRCN in a planned way as per the DTMP recommendations by considering the framework of available resources in DDC. This document is very essential in lobbying the donor agencies through central government to fulfill the fund gap. Furthermore, this document will be supportive in avoiding prevailing duplication in resources allocation in road network development by considering basket fund approach.

I would, firstly like to express my gratitude to RTI Sector Maintenance Pilot Program for financial and technical support. Secondly, my thanks go to District Engineer (DTO) Mr. Jay Ram Shrestha, Planning Officer Mr. Anjan Neupane, Programme Officer Mr. Meghendra Pokharel, Er. Bamdev Paudel, Er. Shreeprasad Gurung, DDC/ DTO staff for their valuable efforts in the process of producing this document. Equally, I would like to thank Mr. Ganesh Prasad Eshwar, Team Leader from North Star Engineering Consultant for their continuous dedication and hard-work in bringing this DTMP document to this stage. My special thank goes to all the representatives of political parties, who played crucial role in providing constructive feedbacks and valuable support in preparing this document successfully.

Last but not least, I would like to express my heartfelt gratitude to Ministry of Federal Affairs and Local Development (MoFALD) and Department of Local Infrastructure Development and Agriculture Road (DoLIDAR) for providing valuable suggestions and cooperation to produce this report. Any pioneering and constructive suggestions regarding this document will be highly appreciated.


Mr. Bishnu Devkota
(Local Development Officer)

ACKNOWLEDGEMENT

The District Transport Master Plan of Lamjung District has been prepared for RTI Sector Maintenance Pilot, DoLIDAR under the Contract Agreement between RTI Sector Maintenance Pilot and North Star Engineering Consultant (P) Ltd. (Contract No: RTI Sector_DTMP/001/2012) to carry out the task of preparing of DTMP of Lamjung District of Nepal. We would like to convey our indebtedness to RTI Sector Maintenance Pilot for entrusting us the responsibility to carry out the task of preparing of DTMP of Lamjung District.

We would like to express our sincere gratitude to the Project Coordinator Mr. Ganga Bahadur Basnet (SDE), and Team Leader Mr. Michael Green, DTL Mr. Dilli Prakash Sitaula and Er. Manoj Krishna Shrestha of RTI Sector Maintenance Pilot. We are grateful to LDO of Lamjung DDC, Mr. Bishnu Datta Gautam, Planning officer, Social Development Officer, Information officer, DTO Chief, Engineers, Sub-engineers and other staffs of DDC and DTO offices, Lamjung for their assistance and veritable support ; while working at the field level.

We would also like to appreciate local leaders and people from Lamjung District for their help and suggestion for the selection and identification of the DRCN. We hope, this prepared DTMP of Lamjung District will be very helpful and a valuable guideline for the planning and development of effective and systematic transport network in Lamjung District.

Dhruba Raj Tripathi

Managing Director

North Star Engineering Consultant (P) Ltd, Lalitpur

EXECUTIVE SUMMARY

Lamjung District is located in Gandaki Zone of the Western Development Region of Nepal, being Besishahar as the district headquarters. The district, which is the home of approximately 0.2 million (200,000) people, has a literacy rate of 56%. There are 61 Village Development Committees (VDCs) in this district. 5 campuses, 15 higher secondary schools and 268 schools have been established to advance the education sector. There are Post Offices in all 61 VDCs. The district is administratively divided into two electoral constituencies, and eleven Ilakas. The Marsyangdi River which is flowing from north to south at the middle part of the district has divided into two constituent divisions.

There is one hospital in the district health posts in all the 61 VDCs. Occupying an area of 1692 sq km, the district is neighboured by the districts of Gorkha, Manang, Kaski and Tanahun. Its abundance of natural resources goes untapped due to a lack in proper road infrastructure. Both water and forest resources, have not been properly and wisely utilized. Most of the villages have electricity and have been connected by earthen road. The lowest elevation point is 385 m from msl (Duipiple Bagaincha of Ramgha VDC) and the highest elevation point is 8156 m from msl (Manasalu Himal). The land area of the district can be also divided into three physical conditions: High Himalaya, High Mountain and Mid Mountain. The major Himalayan peaks of the district are Manaslu (8150 m), Himalchuli (7895 m), Sringi (7177 m) and Baudh (6674 m).

The maximum temperature of this district is 34.2°C at June and average annual rainfall is 2800 mm. The major rivers are Marsyangdi, Madi Nadi, Chepe khola, Nyadi khola, Dordi Khola, Rudi khola etc. Life expectancy of the people is 60 years. Lamjung district has a multi ethnic composition with Gurung (31.7%), Chhetri (15.8%), Brahman (14.9%), Kami (7.4%), Tamang (6.7%), Newar (3.8%), Damai (3.4), Magar (2%) and other (14.3%). The main language is Nepali, Gurung and Magar.

The district inventory identified just over 885.35 km of roads, including 72.04 km of strategic roads, 5.62 km of urban roads and 807.69 km of rural roads. In coordination with the DTICC and DDC, 43 rural roads with a length of 395.44 km were identified as making up the district road core network (DRCN), and the remaining 412.25 km were classified as village roads and 5.62 km as urban roads. The existing DRCN roads link up 54 of the 61 VDC headquarters. DRCN roads of length of 84.12 km are gravel roads and remaining are earthen fair-weather roads.

Road Class	Total length	Black Top	Gravel	Earthen
Strategic road network	72.04	30.09	1.00	40.95
Urban roads	5.62	1.70	0.72	3.20
District road core network	395.44	4.47	84.12	306.86
Village roads	412.25	-	19.01	393.23
Total	885.35	36.26	104.85	744.24

Annual conservation costs are estimated at NPR 84.35 million based on the first year, and will be updated in the ARMP based on actual annual maintenance needs as determined in the annual road condition survey. For the full five-year period the conservation costs will come to NPR 421.77 million. An analysis of the road network identified the need for improvement of all the DRCN roads in order to bring them to a maintainable all-weather standard and provide them with a proper road surface for existing traffic volumes. The required improvements and their estimated costs are listed below.

Improvement type	Requirement	Cost (NPR)
Bridges	577 m	346,200,000
Slab culverts	119 m	17,850,000
Causeways	1747 m	125,020,000
Hume pipes	162 units	1,620,000
Masonry retaining walls	195 m ³	1,950,000
Gabion retaining walls	34916 m ³	87,290,000
Lined drains	17055 m	17,055,000
Widening	3033 m	75,825,000
Rehabilitation	0.585 km	468,000
Gravelling	306.86 km	675,082,718
Blacktopping	1 km	5,700,000
New construction	35.53 km	220,286,000
Total		1,574,346,718

The available budget for the road sector for the coming five years (fiscal year 2070/71 to 2074/75) is estimated to be NPR 795.23 million. Allocation to the district road core network was set at 100 % of the total road sector budget, which was subsequently allocated firstly to the annual maintenance needs, secondly to the improvement needs and lastly to new construction. This budget is insufficient to cover all the estimated costs of conservation, improvement and new construction. However, it allows all conservation requirements to be covered throughout the DTMP period and one third improvement works to be completed before the end of the DTMP period. The remaining improvement works will be carried out in the next DTMP. New construction is not possible within this DTMP period and will also be carried out under the next DTMP.

Within the DTMP period, 150.93 km of roads will be gravelled (38%) and 5.47 km blacktopped (1%) resulting that length being brought to a maintainable all-weather standard. VDC headquarters with access to all-weather DRCN roads or the SRN will increase from 5 to 25, while the percentage of the district population with such access will increase from 22% to 51%.

ABBREVIATIONS

ARMP	Annual Road Maintenance Plan
ADB	Asian Development Bank
DDC	District Development Committee
BT	Black Top
DoLIDAR	Department of Local Infrastructure Development and Agriculture Road
DRCN	District Road Core Network
DR	District Road
DTICC	District Transport Infrastructure Coordination Committee
DTMP	District Transport Master Plan
DTPP	District Transport Perspective Plan
DRILIP	Decentralization of Rural Infrastructure and Livelihood Improvement programme
ER	Earthen Road
GIS	Geographical Information system
GPS	Global Positioning System
GoN	Government of Nepal
GR	Gravel
Km	Kilometre
LGCDP	Local Governance and Community Development Programme
LRBP	Local Road Bridge Project
MHP	Micro Hydropower Project
MoFALD	Ministry of Federal Affairs and Local Development
MoLD	Ministry of Local Development
NPR	Nepali Rupees
PCU	Passenger Car Unit
SWAp	Sector Wide Approach
VDC	Village Development Committee
VRCN	Village Road Core Network
VR	Village Road
VPD	Vehicle per day

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1. INTRODUCTION

Lamjung District is located in Gandaki zone in the Western Development Region of Nepal. The district is boarded by Gorkha district in East, Kaski district in West, Manang district in North and Tanahun district in South. Topographically, Lamjung District lies between 28° 03' 19" to 28° 30' 38" North Latitude and 84° 11' 23" to 84° 38' 10" East Longitude. Geopolitically, the district is administratively divided into two electoral constituencies, eleven Ilakas, and sixty one VDCs. Each VDC is divided into nine wards. The Marsyangdi River which is flowing from north to south at the middle part of the district has divided into two constituent divisions.

The total area of the district is 1692 sq km out of which about 50% land has been occupied by the forest. The cultivable land is 427.5 sq km (25%) out of which, 144.65 sq km is low land (khet) and 237 sq km is grassing land. The district headquarters is Besishahar, which is situated at the height of 800 m from mean sea level. Similarly, the lowest elevation point is 385 m from msl (Duipiple Bagaincha of Ramgha VDC) and the highest elevation point is 8156 m from msl (Manasalu Himal). The land area of the district can be also divided into three physical conditions: High Himalaya, High Mountain and Mid Mountain. The major Himalayan peaks of the district are Manaslu (8150 m), Himalchuli (7895 m), Sringi (7177 m) and Baudh (6674 m).

As a result of the elevation differences, the district has three different types of climate: tropical, sub-tropical, cool, temperature and Alpine mainly. The maximum temperature of this district is 34.2° c at June and average annual rainfall is 2800 mm. The major rivers are Marsyangdi, Madi Nadi, Chepe khola, Nyadi khola, Rudi khola, kisedi khola, Risti khola, Pisti khola, Midim khola, Paudi khola, Kirinche khola, Khudi khola, Dordi khola and Naudi khola. The major lakes and ponds are Kalchhuman Tal, Narad Kunda, Sano Dudhpokhari, Thulo Dudhpokhari, Tatopani and Bhulbhule khar in the district.

Figure 1: Map of Nepal indicating Lamjung District



According to the National Census 2011, the total population of the district is 1, 67,724 comprising 91,811 female and 75,913 male residing in 42,079 households. Lamjung district has an average population density of 99 people per sq km. The average family size is 3.99. Life expectancy of the people is 60 years. The total literacy rate is about 56 % where male is 85% and female is 62.3% respectively. Lamjung district has a multi ethnic composition with Gurung (31.7%), Chhetri (15.8%), Brahman (14.9%), Kami (7.4%), Tamang (6.7%), Newar (3.8%), Damai (3.4), Magar (2%) and other (14.3%). The main language is Nepali, Gurung and Magar.

There are numerous district and village roads. From the field study, it has been observed that most of them are in fair weather condition. Most of these roads have been constructed using excavator without proper planning and engineering design.

The study team has found Lamjung district in a relatively better transport situation. This district has an easy surface transport connection with major markets and commercial cities like Dumre (Tanahu) and Pokhara (Kaski). Most of the rural roads are poor condition and need to be improved/upgraded for safe and reliable journey. The district has high potential areas for hydropower like Midim Khola, Kirinche Khola, Chaharako chhago, Mul Khola, Khudi khola, Bhalam Khola, Rople Khola, Ghamrung, Kiche Khola, Marsyangdi, Nyadi Khola, Siudi Khola, Chilli Khola, Kali Khola, Chhare Khola, Arubote Khola, Geta Khola, Tardi Khola, Thado Khola etc. Tourism sector is the effective role in economic growth, i.e. Bhujung, Ilam Pokhari, Meme Pokhari, Barah Pokhari, Besishahar, Khudi, Bhulbhule, Dandi, Bahundanda, Ghermubesi, Syange, Jagat, and Chymache.

Dumre-Besishahar blacktopped road (41km) has linked with the Prithavi Rajmarga (Kathmandu-Pokhara) at Dumre (Tanahu) as service road. It is being developed as a feeder road upto Manang district in near future by the support donor of ADB.

2. DISTRICT ROAD CORE NETWORK (DRCN)

This chapter gives an overview of the existing roads in Lamjung District distinguishing between strategic roads and rural roads. It goes on to identify those rural roads that make up DRCN that will form the basis for this DTMP. The remaining rural roads are classified as village roads.

2.1 TOTAL ROAD NETWORK

Lamjung District has an estimated road network of 885.35 kilometres, including 72.04 km of strategic roads managed by DoR and 807.69 km of rural roads managed by Lamjung DDC and the VDCs. Some of the strategic roads and all of the rural roads have an earthen surface. A map of the total road network in Lamjung District is shown in figure 2 at the end of this chapter.

Table 2.1.1 Road length in Lamjung District (km)

Road Class	Total length	Black Top	Gravel	Earthen
Strategic road network	72.04	30.09	1.00	40.95
Urban roads	5.62	1.70	0.72	3.20
District road core network	395.44	4.47	84.12	306.86
Village roads	412.25	-	19.01	393.23
Total	885.35	36.26	104.85	744.24

2.2 NATIONAL HIGHWAYS AND FEEDER ROADS

Lamjung District has no National Highway but two places Paundidhik and Ramgha of the district are connected to the Prithvi Highway at Dumre (23.5 km) and Damauli (16.04 km) respectively through Tanahu district by blacktopped feeder road. The district has six Feeder Roads of total length 72.04 km. Two of which are blacktopped (District border/Paudi to Besishahar and Jyamiretar to Neupanebesi). The road Jyamiretar to Neupanebesi (10.92 km) is newly blacktopped on July 2013 by DoR.

Table 2.2.1 National Highways and Feeder Roads in Lamjung District (km)

Code	Description	Total length	Black Top	Gravel	Earthen
F036	District border-Besishahar	19.17	19.17		
F036	Besishahar-Ghermu	17.00			17.00
F036	Ghermu-Sattale	18.00			18.00
F128	Jyamiretar-Neupanebesi(Byas Marg)	10.92	10.92		
F128	Neupanebesi-Bhorletar(Byas Marg)	4.95			4.95
F162	Ram Bazar-Bhorletar	2.00		1.00	1.00
Total		72.04	30.09	1.00	40.95

2.3 DISTRICT ROAD CORE NETWORK

As part of the preparation of this DTMP, DRCN was identified together with the DTICC and DDC. This DRCN is the minimum network that allows all VDC headquarters to be connected with the strategic road network and the district headquarter, either directly or through other VDCs. In the selection of the DRCN roads, account was taken of the road conditions and the existing traffic levels. The identified DRCN roads were subsequently provided with road codes according to national standards.

The resulting District Road Core Network in Lamjung District is shown in figure 3 at the end of this chapter. The DRCN consists of 43 district roads with total length of 395.44 km. The remaining 412.25 km of existing rural roads are not considered to be DRCN roads and are classified as village roads under the responsibility of the VDCs (Table 2.3.1). The Current total DRCN roads consist of black topped (4.47 km), gravel (84.12 km) and earthen (306.86 km). Hence 88.59 km roads (22%) of the total DRCN including 4.47 km blacktopped and 84.12 km gravel are considered as all-weather and remaining 306.86 km (78%) earthen roads are considered as fair-weather only (Table 2.3.2). A complete list of the DRCN roads and their characteristics is provided in Table 2.3.2.

Table 2.3.1 Road length in Lamjung District (km)

Road Class	Total length	Black Top	Gravel	Earthen
Strategic road network	72.04	30.09	1.00	40.95
Highways	-	-	-	-
Feeder roads	72.04	30.09	1.00	40.95
Urban roads	5.62	1.70	0.72	3.20
Besishahar Ring Road	4.29	0.88	0.72	2.69
Bhoteodar Urban Road	0.32	0.32		
Bhoteodar Bhakti School road	0.50	0.50		
Phulbari-Marsyangdi river Road	0.51			0.51
District road core network	395.44	4.47	84.12	306.86
Village roads	412.25	-	19.01	393.23
Total	885.35	36.26	104.85	744.24

Table 2.3.2 District Road Core Network in Lamjung District (km)

Code	Description	Total length	Black Top	Gravel	Earthen	All weather	Fair weather
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	-				-	-
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	4.79		1.44	3.35	1.44	3.35
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83			7.83	-	7.83
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	-					
37DR005	Khudi-Segle (Simpani) VDC Road	4.70			4.70	-	4.70
37DR006	Besishahar-Chandisthan VDC Road	5.48			5.48	-	5.48
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.25		19.24	13.01	19.24	13.01
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27			1.27	-	1.27
37DR009	Kapurgaun-Maling-Salmehbanjyang Road	8.90			8.90	-	8.90
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06	0.32		2.74	0.32	2.74
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12			10.12	-	10.12

Code	Description	Total length	Black Top	Gravel	Earthen	All weather	Fair weather
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95			2.95	-	2.95
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	25.66			25.66	-	25.66
37DR014	Salmebhanjyang-Bhojegaun VDC Road	-				-	-
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	29.86		8.53	21.33	8.53	21.33
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road	4.12			4.12	-	4.12
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.42		7.09	7.33	7.09	7.33
37DR018	Chihandanda-Sindure VDC Road	1.20			1.20	-	1.20
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08			3.08	-	3.08
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53		1.11	0.42	1.11	0.42
37DR021	Koiralaphant-Dhuseni VDC Road	2.86			2.86	-	2.86
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	3.45	18.79	4.45	22.24	4.45
37DR023	Rithebagar-Tiwaridanda-Tinpipe-Tilahr-Hilebesi-Faleni Road	21.27			21.27	-	21.27
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43		7.10	9.33	7.10	9.33
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	-				-	-
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98			10.98	-	10.98
37DR027	Lamabagar-Shreemanjyang VDC Road	6.81			6.81	-	6.81
37DR028	Thanti-Archalbot VDC Road	2.99			2.99	-	2.99
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	15.18	0.06	0.95	14.17	1.01	14.17
37DR030	Kaphalbot-Bharte VDC Road	0.20			0.20	-	0.20
37DR031	Duipiple-Samibhanjyang VDC Road	4.72			4.72	-	4.72
37DR032	Sundaradihi-Suryapal VDC Road	4.16			4.16	-	4.16
37DR033	Sotipasal-Taksar VDC Road	2.84			2.84	-	2.84
37DR034	Jitatar-Shaptadhara VDC Road	3.81			3.81	-	3.81
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08	0.64	18.15	4.29	18.79	4.29
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70			52.70	-	52.70
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62			2.62	-	2.62
37DR038	Bansarabesi-Kolki VDC Road	4.21			4.21	-	4.21
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	-				-	-
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51			5.51	-	5.51
37DR041	Harrabot-Bhaisekhola Road	2.38			2.38	-	2.38
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	22.13		1.72	20.41	1.72	20.41
37DR043	Sahilitar-Balayakharka VDC Road	2.66			2.66	-	2.66
Total		395.44	4.47	84.12	306.86	88.59	306.86
			1%	21%	78%	22%	78%

Total length of DRCN roads is 430.97 km of which 395.44 km is existing and remaining 35.53 km is to be constructed (New construction). 9 roads out of total 43 DRCN roads are neither totally existing nor totally new construction, 5 roads are totally to be new constructed and 29 already exist (Table 2.3.3).

Table 2.3.3 Overall DRCN (Including new construction) in Lamjung District (km)

Code	Name of DRCN Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	1.22	-				1.22
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	9.94	4.79		1.44	3.35	5.15
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83	7.83			7.83	
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	0.73	-				0.73
37DR005	Khudi-Segle (Simpani) VDC Road	5.79	4.70			4.70	1.09
37DR006	Besishahar-Chandisthan VDC Road	5.48	5.48			5.48	
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.46	32.25		19.24	13.01	0.21
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27	1.27			1.27	
37DR009	Kapurgaun-Maling-Salmehhanjyang Road	14.77	8.90			8.90	5.87
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06	3.06	0.32		2.74	
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12	10.12			10.12	
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95	2.95			2.95	
37DR013	Karaputar-Daduwa-Gilung-Salmehhanjyang-Pasagaun-Singdi Road	31.13	25.66			25.66	5.47
37DR014	Salmehhanjyang-Bhojegaun VDC Road	0.98	-				0.98
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	34.51	29.86		8.53	21.33	4.65
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan Road	4.12	4.12			4.12	
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.93	14.42		7.09	7.33	0.51
37DR018	Chihandanda-Sindure VDC Road	1.20	1.20			1.20	
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08	3.08			3.08	
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53	1.53		1.11	0.42	
37DR021	Koiralaphant-Dhuseni VDC Road	2.86	2.86			2.86	
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	26.69	3.45	18.79	4.45	
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road	21.27	21.27			21.27	
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43	16.43		7.10	9.33	
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	3.69	-				3.69
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98	10.98			10.98	
37DR027	Lamabagar-Shreemanjyang VDC Road	6.81	6.81			6.81	
37DR028	Thanti-Archalbot VDC Road	2.99	2.99			2.99	
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	17.45	15.18	0.06	0.95	14.17	2.27

Code	Name of DRCN Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New
37DR030	Kaphalbot-Bharte VDC Road	0.20	0.20			0.20	
37DR031	Duipiple-Samibhanjyang VDC Road	4.72	4.72			4.72	
37DR032	Sundaradihi-Suryapal VDC Road	4.16	4.16			4.16	
37DR033	Sotipasal-Taksar VDC Road	2.84	2.84			2.84	
37DR034	Jitatar-Shaptadhara VDC Road	3.81	3.81			3.81	
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08	23.08	0.64	18.15	4.29	
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70	52.70			52.70	
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62	2.62			2.62	
37DR038	Bansar besi-Kolki VDC Road	4.21	4.21			4.21	
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	3.69	-				3.69
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51	5.51			5.51	
37DR041	Harrabot-Bhaisekhola Road	2.38	2.38			2.38	
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansar besi Road	22.13	22.13		1.72	20.41	
37DR043	Sahilitar-Balayakharka VDC Road	2.66	2.66			2.66	
Sub-Total		430.97	395.44	4.47	84.12	306.86	35.53

2.4 VILLAGE ROADS

The 412.25 km of remaining roads out of 807.69 km that do not form part of the identified DRCN are classified as village roads and 5.62 km as urban roads and are under the responsibility of the 61 VDCs and Town Development Office respectively in Lamjung District. These are roads having a lower importance that do not form the main link between the VDC headquarters and the district headquarter or strategic road network. Instead, they provide additional access to other parts of the VDCs.

In addition to village road, some additional proposed roads which would be developed as tourism roads, religious roads or inter-district roads or link roads have been recommended by DTICC/DDC meeting and listed below.

- i. Bhamchaur-Simpani-Ghalegaun Road
- ii. Tilahar-Chisapani-Majhgaun-Taksar-Purano Duwar-Gaunbhachowk-Besishahar Road
- iii. Khahare-Tarkgahate-Chisapani-Gaunshahar Road
- iv. Khudi-Bhamkhola-Najare-Kapurgaun Road
- v. Bhorletar-Bagrebesi-Hadikhola (Assiphant)-Sindure Road
- vi. Midim-Koridar Road
- vii. Kapurgaun-Phalomro-Khagum-Tallogaun Road
- viii. Khudi-Siurung-Sange Road

- ix. Dhurphure-Duithok-Bakhrejagat Road
- x. Bindabesi-Sitalswara Road
- xi. Bhakunde-Chisapani-Chyaudila-Puranokot Road
- xii. Chisapani-Tarkukot-Khatrithanti Road
- xiii. Archalbot-Salme-Okhari-Gauda Road
- xiv. Bhairavsthan-Kudule-Simghari-Patalepani Road
- xv. Borangkhola-Pyarjung Road
- xvi. Sano Kabre (Ilampokhari)-Bichaur Road
- xvii. Bhalayakharka-Panthedanda-Aathswara Road
- xviii. Alkatar-Dhadkharka-Bohoragaun-Mohoriyakot Road
- xix. Dhamilikuwa-Lupu Road
- xx. Syaut Duwar-Bansar-Khinchok Tap Road
- xxi. Bhamsera-Chandisthan-Najare Kapurgaun Road
- xxii. Jitaure-Lamabhanjyang-Okhari-Gaunda Road
- xxiii. Belghari-Mahadevsthan-Sagrabas-Saattalle-Kudule-Simghari Pyarjung Road

On average each VDC will thus be responsible for 6.85 km of village roads. It is recommended that the VDCs organize maintenance workers to carry out the emergency and routine/recurrent maintenance of these roads to ensure they remain accessible. Any upgrading or new construction of village roads falls outside the scope of this DTMP and is the responsibility of the VDCs.

Funding for these roads will mainly come from the VDC grants. Some district funding will also be allocated to the village roads. However, this district funding will be mainly for maintenance, especially emergency maintenance and routine/recurrent maintenance to keep the village roads open.

Figure 2 : Total Road Inventory Map for Lamjung District

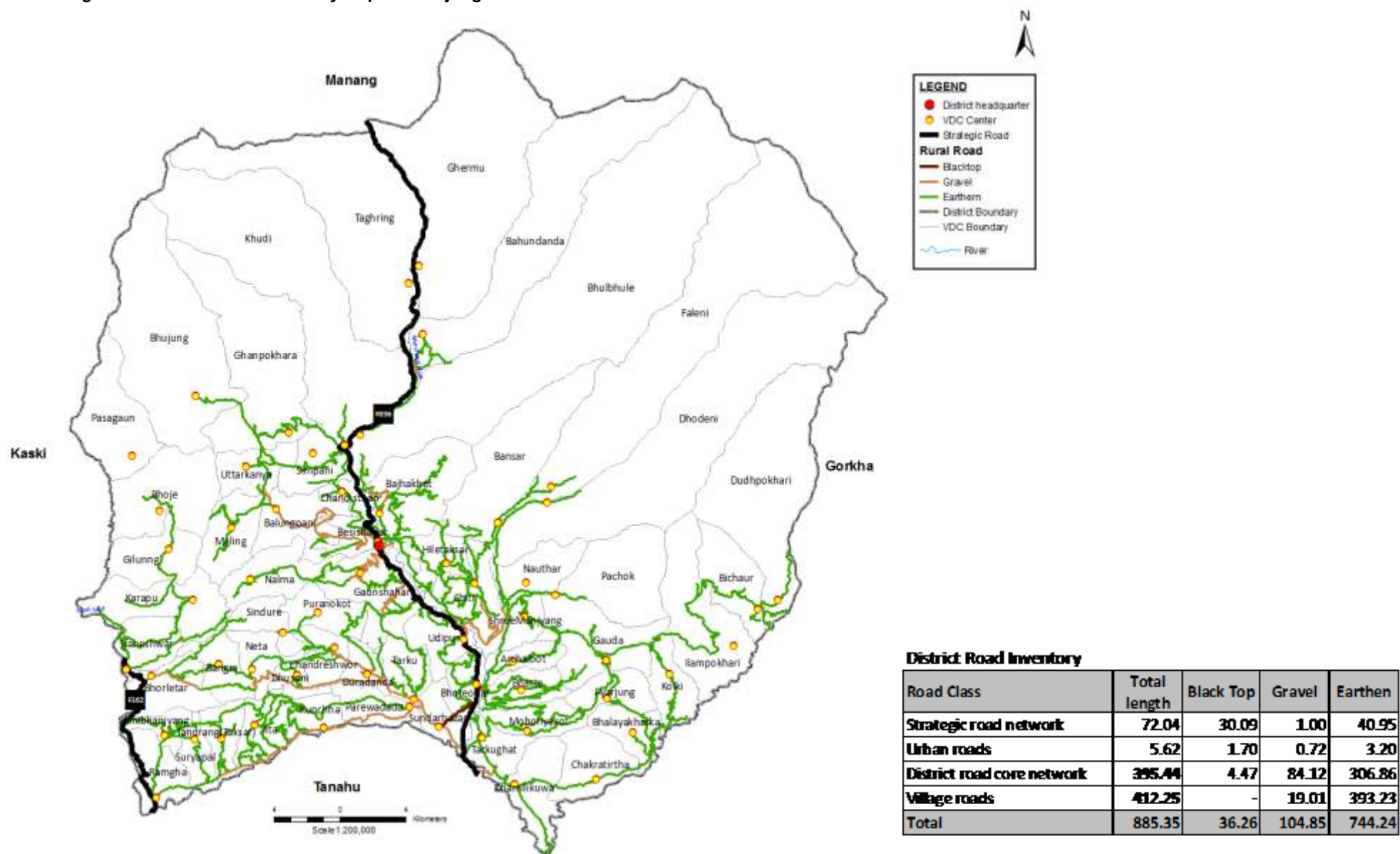
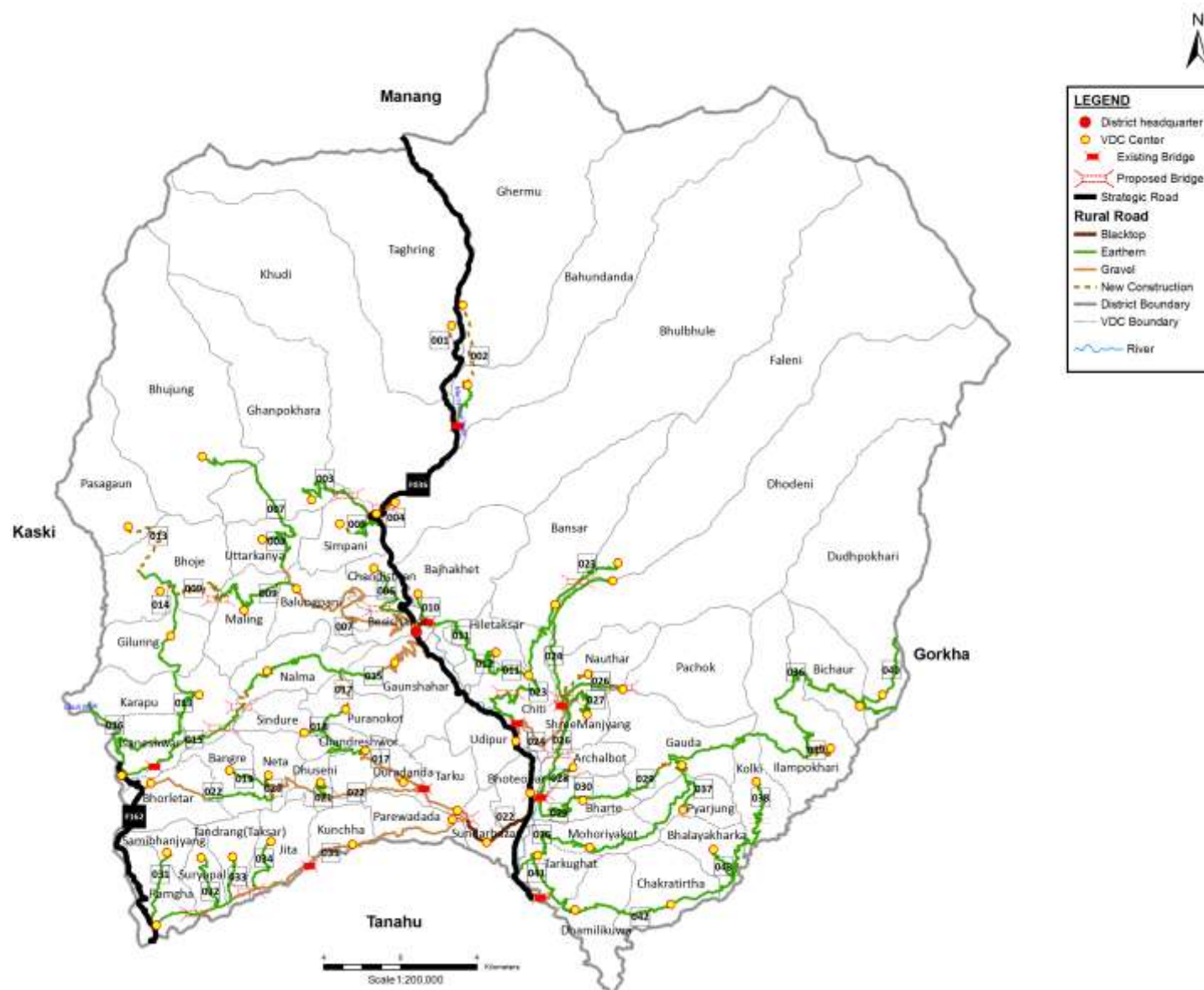


Figure 3 : District Road Core Network (DRCN) Map



District Road Core Network (DRCN)

Code	Total length	Surface Types			
		Black Top	Gravel	Earthen	New
37000001	1.32				1.22
37000002	9.94		1.44	3.35	5.15
37000003	7.83			7.83	
37000004	0.73				0.73
37000005	5.79			4.70	1.09
37000006	5.48			5.48	
37000007	32.46		19.24	13.81	0.21
37000008	1.27			1.27	
37000009	14.77			0.90	5.87
37000010	9.86	0.32		2.24	
37000011	10.12			10.12	
37000012	2.95			2.95	
37000013	31.13			25.66	5.47
37000014	0.90				0.90
37000015	34.51		0.53	21.33	4.65
37000016	4.12			4.12	
37000017	14.93		7.89	7.33	0.51
37000018	1.20			1.20	
37000019	9.80			3.80	
37000020	1.53		1.11	0.42	
37000021	2.86			2.86	
37000022	26.68	3.45	18.79	4.45	
37000023	21.27			21.27	
37000024	16.43		7.18	9.33	
37000025	9.68				3.68
37000026	10.90			10.90	
37000027	6.81			6.81	
37000028	2.99			2.99	
37000029	17.45	0.86	0.95	14.17	2.27
37000030	0.20			0.20	
37000031	4.72			4.72	
37000032	4.16			4.16	
37000033	2.84			2.84	
37000034	3.81			3.81	
37000035	29.80	0.64	18.15	4.29	
37000036	52.70			52.70	
37000037	2.62			2.62	
37000038	4.21			4.21	
37000039	9.68				3.68
37000040	5.51			5.51	
37000041	2.30			2.30	
37000042	22.13		1.72	20.41	
37000043	2.66			2.66	
Total	430.97	4.47	84.12	306.86	35.53

3. DISTRICT TRANSPORT PERSPECTIVE PLAN (DTPP)

This chapter looks at the required interventions regarding conservation, improvement and new construction of the district road core network. It provides a complete list of all works required in the DRCN, which together form DTPP. For the works forming part of the DTPP, chapter 4 will subsequently provide cost estimation, while chapter 5 will rank the works according to priority and chapter 6 will select those priority works that can be carried out in the next 5 years and thus form part of the District Transport Master Plan (DTMP).

3.1 CONSERVATION

Conservation refers to the actions required to repair a road and keep it in good and passable condition. For DTMP planning purposes standard costs per kilometre for each maintenance type are applied to the entire district road core network, whereby for certain maintenance types distinction is made according to the surface type of the road. Identification of the actual maintenance requirements of each road is made annually in the ARMP. Conservation activities include:

1. **Emergency maintenance** - Basic repairs aimed at removing landslides and repairing damage to the road that inhibit the proper use of the road and make it impassable. This mainly takes place during and after the rainy season. A provisional lump sum is reserved for the entire district road core network based on the network length. Allocation to specific road sections is based on the actual need for clearing landslides or repairing washouts and cuts in the road.
2. **Routine maintenance** - General maintenance of the road aimed at preventing damage by ensuring the proper working of the different road elements (retaining walls, drainage system, carriageway, etc.) and cutting vegetation. This is carried out each year on a more or less continuous basis. Routine maintenance is required for the entire district road core network. The specific requirements for routine maintenance are determined on an annual basis through the road condition survey and defined in the ARMP.
3. **Recurrent maintenance** - Repairs of minor damage to the road surface and road structures to bring them back to good condition. This is generally carried out once or twice a year. Recurrent maintenance is required for the entire district road core network, whereby distinction is made according to the surface type. The specific requirements for recurrent maintenance are determined on an annual basis through the road condition survey and defined in the ARMP.
4. **Periodic maintenance** - Larger repairs to the road largely aimed at renewing the road surface through re-gravelling, resealing or overlays. It is generally carried out with several years interval. Although periodic maintenance is only required for specific sections of the district road core network, a lump sum allocation is made for the entire district road core network based on average annual requirements, distinguishing between different surface types. The specific periodic maintenance requirements are determined on an annual basis through the annual road condition survey and defined in the ARMP.

The length of roads to be included under each conservation type for the first year is indicated below. This is basically the entire district road core network as far as it does not require rehabilitation.

Table 3.1.1 Conservation requirements

Code	Emergency maintenance (km)	Routine maintenance (km)	Recurrent maintenance (km)	Periodic maintenance (km)
37DR001	-	-	-	-
37DR002	4.79	4.79	4.79	4.79
37DR003	7.83	7.83	7.83	7.83
37DR004	-	-	-	-
37DR005	4.70	4.70	4.70	4.70
37DR006	5.48	5.48	5.48	5.48
37DR007	32.25	32.25	32.25	32.25
37DR008	1.27	1.27	1.27	1.27
37DR009	8.90	8.90	8.90	8.90
37DR010	3.06	3.06	3.06	3.06
37DR011	10.12	10.12	10.12	10.12
37DR012	2.95	2.95	2.95	2.95
37DR013	25.66	25.66	25.66	25.66
37DR014	-	-	-	-
37DR015	29.86	29.86	29.86	29.86
37DR016	4.12	4.12	4.12	4.12
37DR017	14.42	14.42	14.42	14.42
37DR018	1.20	1.20	1.20	1.20
37DR019	3.08	3.08	3.08	3.08
37DR020	1.53	1.53	1.53	1.53
37DR021	2.86	2.86	2.86	2.86
37DR022	26.69	26.69	26.69	26.69
37DR023	21.27	21.27	21.27	21.27
37DR024	16.43	16.43	16.43	16.43
37DR025	-	-	-	-
37DR026	10.98	10.98	10.98	10.98
37DR027	6.81	6.81	6.81	6.81
37DR028	2.99	2.99	2.99	2.99
37DR029	15.18	15.18	15.18	15.18
37DR030	0.20	0.20	0.20	0.20
37DR031	4.72	4.72	4.72	4.72
37DR032	4.16	4.16	4.16	4.16
37DR033	2.84	2.84	2.84	2.84
37DR034	3.81	3.81	3.81	3.81
37DR035	23.08	23.08	23.08	23.08
37DR036	52.70	52.70	52.70	52.70
37DR037	2.62	2.62	2.62	2.62
37DR038	4.21	4.21	4.21	4.21
37DR039	-	-	-	-
37DR040	5.51	5.51	5.51	5.51
37DR041	2.38	2.38	2.38	2.38
37DR042	22.13	22.13	22.13	22.13
37DR043	2.66	2.66	2.66	2.66
Total	395.44	395.44	395.44	395.44

3.2 IMPROVEMENT

Improvement refers to actions required to improve a road to bring it to a maintainable all-weather standard. It includes the following actions, which for Lamjung are described in more detail in the subsequent sections.

1. **Rehabilitation** - Significant repairs required to bring a very poor road back to a maintainable standard. This does not include any changes to the original surface type.
2. **Gravelling** - Placement of a gravel layer to make it all-weather and ensure that the road remains passable during the rainy season.
3. **Cross drainage** - Placement of suitable cross-drainage structures with the aim of making the road all-weather and ensuring that the road remains passable even during the rainy season.
4. **Protective structures** - Placement of retaining walls and lined side drains to avoid excessive damage to the road during the rainy season and bring it to a maintainable standard.
5. **Blacktopping** - Placement of a blacktop layer in roads with traffic volumes exceeding 50 passenger car units (PCU) to reduce damage to the road surface.
6. **Widening** - Increase of the road width in roads with traffic volumes exceeding 500 passenger car units (PCU) to ensure the proper flow of traffic.

3.2.1 REHABILITATION

One road is identified for rehabilitation in the district road core network.

Table 3.2.1 Sections of the district road core network requiring rehabilitation

Code	Description	Total length (km)	Rehabilitation (km)
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	15.18	0.59
Total		15.18	0.59

3.2.2 GRAVELLING

As the entire district road core network needs to be brought to an all-weather status, gravelling of the road surface is required for all the earthen sections in the DRCN. Total 306.86 km DRCN need to be gravelled in Lamjung District which is given in table 3.2.2 below.

Table 3.2.2 Sections of the district road core network requiring gravelling

Code	Description	Total length (km)	Gravelling (km)
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	-	-
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	4.79	3.35
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83	7.83
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	-	-
37DR005	Khudi-Segle (Simpani) VDC Road	4.70	4.70
37DR006	Besishahar-Chandisthan VDC Road	5.48	5.48
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.25	13.01
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27	1.27
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	8.90	8.90

Code	Description	Total length (km)	Gravelling (km)
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06	2.74
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12	10.12
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95	2.95
37DR013	Karaputar-Daduwa-Gilung-Salmehhanjyang-Pasagaun-Singdi Road	25.66	25.66
37DR014	Salmehhanjyang-Bhojegaun VDC Road	-	-
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	29.86	21.33
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road	4.12	4.12
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.42	7.33
37DR018	Chihandanda-Sindure VDC Road	1.20	1.20
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08	3.08
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53	0.42
37DR021	Koiralaphant-Dhuseni VDC Road	2.86	2.86
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	4.45
37DR023	Rithebagar-Tiwaridanda-Tinpile-Tilahar-Hilebesi-Faleni Road	21.27	21.27
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43	9.33
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	-	-
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98	10.98
37DR027	Lamabagar-Shreemanjyang VDC Road	6.81	6.81
37DR028	Thanti-Archalbot VDC Road	2.99	2.99
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	15.18	14.17
37DR030	Kaphalbot-Bharte VDC Road	0.20	0.20
37DR031	Duipile-Samibhanjyang VDC Road	4.72	4.72
37DR032	Sundaradihi-Suryapal VDC Road	4.16	4.16
37DR033	Sotipasal-Taksar VDC Road	2.84	2.84
37DR034	Jitatar-Shaptadhara VDC Road	3.81	3.81
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipile Road	23.08	4.29
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70	52.70
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62	2.62
37DR038	Bansarabesi-Kolki VDC Road	4.21	4.21
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	-	-
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51	5.51
37DR041	Harrabot-Bhaisekhola Road	2.38	2.38
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	22.13	20.41
37DR043	Sahilitar-Balayakharka VDC Road	2.66	2.66
Total		395.44	306.86

3.2.3 CROSS DRAINAGE

The need for cross drainage was identified for the different DRCN roads. Total of 14 nos. bridges with total length of 577 m, 23 nos. slab culverts with total length of 119 m, 139 nos. concrete causeways with total length of 1195 m, 63 nos. stone causeways with total length of 552 m and 162 pipes for pipe culverts were identified as required.

Table 3.2.3 Required cross drainage structures

Code	Description	Bridge (m)	Slab culvert (m)	CC Cause way (m)	Stone Cause way (m)	Pipe culvert (units)
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road					
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road			15	12	2
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	15	6	72		8
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road					
37DR005	Khudi-Segle (Simpani) VDC Road			21		
37DR006	Besishahar-Chandisthan VDC Road	30		5		
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road		10	124		
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road			10		
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	75		40		
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	40		10	13	4
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road		6	54	23	
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road			7		
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road		12	38		
37DR014	Salmebhanjyang-Bhojegaun VDC Road					
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	60	7	174		14
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road			57		
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road			42		
37DR018	Chihandanda-Sindure VDC Road					
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road			18		
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road					
37DR021	Koiralaphant-Dhuseni VDC Road					
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road		28	65		12
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road	45	6	44	16	
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road		10	66	61	18
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road					
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	117			30	26
37DR027	Lamabagar-Shreemanjyang VDC Road		10	12	27	10
37DR028	Thanti-Archalbot VDC Road			4		
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road				22	
37DR030	Kaphalbot-Bharte VDC Road					
37DR031	Duipiple-Samibhanjyang VDC Road			22		
37DR032	Sundaradihi-Suryapal VDC Road			24		
37DR033	Sotipasal-Taksar VDC Road			17		
37DR034	Jitatar-Shaptadhara VDC Road			5		
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	140		78		
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	35		84	212	4
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road					4
37DR038	Bansarabesi-Kolki VDC Road				5	
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road					
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road		3	8	13	
37DR041	Harrabot-Bhaisekhola Road		8	10	16	14
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	20	8	69	97	46
37DR043	Sahilitar-Balayakharka VDC Road		5		6	
Total		577	119	1,195	552	162

3.2.4 PROTECTIVE STRUCTURES

Based on the road survey carried out in Lamjung, following retaining/breast walls and lined drain were identified as required to ensure the protection of the district road core network.

Table 3.2.4 Required protective structures

Code	Description	Masonry Walls (m ³)	Gabion Walls (m ³)	Lined Drain (m)
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road			
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road		2,873	
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road		1,702	710
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road			
37DR005	Khudi-Segle (Simpani) VDC Road		2,500	130
37DR006	Besishahar-Chandisthan VDC Road		390	200
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road		3,152	1,625
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road		192	450
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	75	4,171	495
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	120		616
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road		296	174
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road		129	
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road		2,666	2,025
37DR014	Salmebhanjyang-Bhojegaun VDC Road			
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road		4,218	2,495
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road		1,175	210
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road		1,198	630
37DR018	Chihandanda-Sindure VDC Road		140	
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road		409	370
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road			250
37DR021	Koiralaphant-Dhuseni VDC Road			
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road		1,233	1,200
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road		295	212
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road		532	1,166
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road			
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road		1,023	
37DR027	Lamabagar-Shreemanjyang VDC Road		300	
37DR028	Thanti-Archalbot VDC Road		227	
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road		300	772
37DR030	Kaphalbot-Bharte VDC Road			100
37DR031	Duipiple-Samibhanjyang VDC Road		128	200
37DR032	Sundaradihi-Suryapal VDC Road			150
37DR033	Sotipasal-Taksar VDC Road		60	555
37DR034	Jitatar-Shaptadhara VDC Road		750	680
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road		812	990
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Illampokhari-Bichaur-Dudhpokhari-Kunaghat Road		2,963	650
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road		14	

Code	Description	Masonry Walls (m ³)	Gabion Walls (m ³)	Lined Drain (m)
37DR038	Bansarabesi-Kolki VDC Road		805	
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road			
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road		23	
37DR041	Harrabot-Bhaisekhola Road			
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkholo-Bansarabesi Road		192	
37DR043	Sahilitar-Balayakharka VDC Road		48	
Total		195	34,916	17,055

3.2.5 WIDENING

Widening of the DRCN in Lamjung District is required only in specific locations (especially in loops) to bring it up to the minimum standard and to ensure sufficient space in the curves. Additional widening to a higher standard is not required because traffic volumes remain low except 6 roads (proposed black top).

Table 3.2.5 Sections of the District Road Core Network requiring widening

Code	Description	Total length (km)	VPD	Widening (m)
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	-	-	
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	4.79	15.0	245
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83	7.0	
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	-	-	
37DR005	Khudi-Segle (Simpani) VDC Road	4.70	3.0	
37DR006	Besishahar-Chandisthan VDC Road	5.48	3.0	
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.25	25.0	
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27	3.0	
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	8.90	4.0	
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06	-	190
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12	-	40
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95	-	410
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	25.66	20.0	
37DR014	Salmebhanjyang-Bhojegaun VDC Road	-	-	
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	29.86	10.0	
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road	4.12	2.0	
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.42	7.0	
37DR018	Chihandanda-Sindure VDC Road	1.20	3.0	
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08	3.0	
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53	4.0	
37DR021	Koiralaphant-Dhuseni VDC Road	2.86	2.0	
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	25.0	
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road	21.27	22.0	203
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43	26.0	10

Code	Description	Total length (km)	VPD	Widening (m)
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	-	-	
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98	5.0	120
37DR027	Lamabagar-Shreemanjyang VDC Road	6.81	3.0	
37DR028	Thanti-Archalbot VDC Road	2.99	2.0	105
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	15.18	3.0	185
37DR030	Kaphalbot-Bharte VDC Road	0.20	3.0	
37DR031	Duipiple-Samibhanjyang VDC Road	4.72	2.0	
37DR032	Sundaradihi-Suryapal VDC Road	4.16	3.0	
37DR033	Sotipasal-Taksar VDC Road	2.84	3.0	
37DR034	Jitatar-Shaptadhara VDC Road	3.81	2.0	500
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08	33.0	
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70	18.0	855
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62	3.0	25
37DR038	Bansarabesi-Kolki VDC Road	4.21	-	70
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	-	-	
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51	2.0	40
37DR041	Harrabot-Bhaisekhola Road	2.38	3.0	
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	22.13	28.0	
37DR043	Sahilitar-Balayakharka VDC Road	2.66	2.0	35
Total				3,033

3.2.6 BLACKTOPPING

An analysis of the traffic data for the different roads making up the DRCN (see **Annex 12**) shows that there are six roads that are eligible for blacktopping (traffic volume exceeds 50 PCU) but planning of blacktopped roads are not considered due to lack of available sources.

Table 3.2.6 Sections of the district road core network requiring blacktopping

Code	Description	Total length (km)	Blacktop (km)	Traffic (PCU)	Black topping (km)
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.25	-	51	
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	3.45	56	1.00
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahr-Hilebesi-Faleni Road	21.27	-	52	-
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43	-	55	-
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08	0.64	78	-
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	22.13	-	67	-
Total					1.00

3.3 NEW CONSTRUCTION

New construction of DRCN roads is required to connect the remaining VDC headquarters. A list of proposed roads for new construction is provided below. These roads provide access to 13 VDC HQs that do not currently have road access.

Table 3.3.1 Sections of the district road core network requiring new construction

Code	Description	New VDCs	Existing length	New length	Bridge (m)
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	Taghring	-	1.22	
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	Bahundanda, Ghermu	4.79	5.15	
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	Bhulbhule	-	0.73	
37DR005	Khudi-Segle (Simpani) VDC Road	Simpani	4.70	1.09	
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	Bhujung	32.25	0.21	
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	Bhoje (Salmebhanjyang)	8.90	5.87	
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	Bhoje, Pasagaun	25.66	5.47	
37DR014	Salmebhanjyang-Bhojegaun VDC Road	Bhoje	-	0.98	
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	Nalma	29.86	4.65	
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	Purankot	14.42	0.51	
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	Nauthar	-	3.69	
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	Gauda	15.18	2.27	
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	Ilampokhari	-	3.69	
Total			395.44	35.53	-

3.4 DISTRICT TRANSPORT PERSPECTIVE PLAN

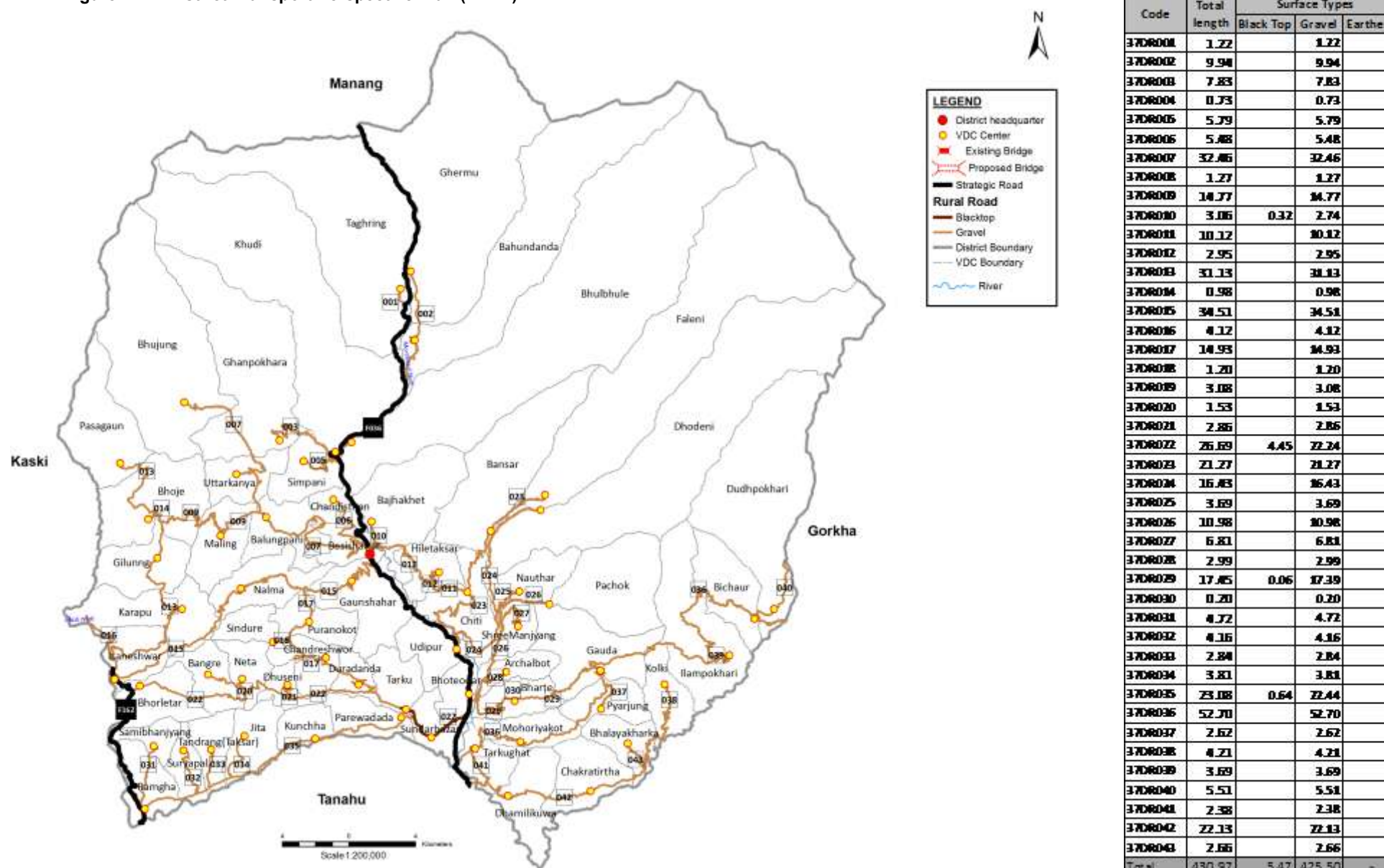
The DTPP foresees bringing the entire existing DRCN to maintainable all-weather status, and expanding it to provide access to an additional 13 VDC headquarters. For this purpose, all 395.44 km will be gravelled and number of different cross drainage and protective structures will be constructed. A further 35.53 km of new road will be constructed to maintainable all-weather gravel standard providing access to 13 additional VDC HQs. The district road core network will subsequently consist of 430.97 km of maintainable all-weather roads. The following table lists the required interventions, while the proposed network is shown in the DTPP map in figure 4.

Table 3.4.1 District Transport Perspective Plan

Code	Emergency maintenance (km)	Routine maintenance (km)	Recurrent maintenance (km)	Periodic maintenance (km)	Rehabilitation (km)	Gravelling (km)	Blacktopping (km)	Widening (m)	Bridge (m)	Slab culvert (m)	CC Causeway (m)	Stone Causeway (m)	Pipe culvert (units)	Masonry walls (m3)	Gabion walls (m3)	Lined drain (m)	New construction (km)
37DR001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22
37DR002	4.79	4.79	4.79	4.79	-	3.35	-	245.00	-	-	15.00	12.00	2.00	-	2,873.00	-	5.15
37DR003	7.83	7.83	7.83	7.83	-	7.83	-	-	15.00	6.00	72.00	-	8.00	-	1,702.00	710.00	-
37DR004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73
37DR005	4.70	4.70	4.70	4.70	-	4.70	-	-	-	-	21.00	-	-	-	2,500.00	130.00	1.09
37DR006	5.48	5.48	5.48	5.48	-	5.48	-	-	30.00	-	5.00	-	-	-	390.00	200.00	-
37DR007	32.25	32.25	32.25	32.25	-	13.01	-	-	-	10.00	124.00	-	-	-	3,152.00	1,625.00	0.21
37DR008	1.27	1.27	1.27	1.27	-	1.27	-	-	-	-	10.00	-	-	-	192.00	450.00	-
37DR009	8.90	8.90	8.90	8.90	-	8.90	-	-	75.00	-	40.00	-	-	75.00	4,171.00	495.00	5.87
37DR010	3.06	3.06	3.06	3.06	-	2.74	-	190.00	40.00	-	10.00	12.50	4.00	120.00	-	616.00	-
37DR011	10.12	10.12	10.12	10.12	-	10.12	-	40.00	-	6.00	54.00	23.00	-	-	296.00	174.00	-
37DR012	2.95	2.95	2.95	2.95	-	2.95	-	410.00	-	-	7.00	-	-	-	129.00	-	-
37DR013	25.66	25.66	25.66	25.66	-	25.66	-	-	-	12.00	38.00	-	-	-	2,666.00	2,025.00	5.47
37DR014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.98
37DR015	29.86	29.86	29.86	29.86	-	21.33	-	-	60.00	7.00	174.00	-	14.00	-	4,218.00	2,495.00	4.65
37DR016	4.12	4.12	4.12	4.12	-	4.12	-	-	-	-	57.00	-	-	-	1,175.00	210.00	-
37DR017	14.42	14.42	14.42	14.42	-	7.33	-	-	-	-	42.00	-	-	-	1,198.00	630.00	0.51
37DR018	1.20	1.20	1.20	1.20	-	1.20	-	-	-	-	-	-	-	-	140.00	-	-
37DR019	3.08	3.08	3.08	3.08	-	3.08	-	-	-	-	18.00	-	-	-	409.00	370.00	-
37DR020	1.53	1.53	1.53	1.53	-	0.42	-	-	-	-	-	-	-	-	-	250.00	-
37DR021	2.86	2.86	2.86	2.86	-	2.86	-	-	-	-	-	-	-	-	-	-	-
37DR022	26.69	26.69	26.69	26.69	-	4.45	1.00	-	-	28.00	65.00	-	12.00	-	1,233.00	1,200.00	-
37DR023	21.27	21.27	21.27	21.27	-	21.27	-	203.00	45.00	6.00	44.00	16.00	-	-	295.00	212.00	-
37DR024	16.43	16.43	16.43	16.43	-	9.33	-	10.00	-	10.00	66.00	61.00	18.00	-	532.00	1,166.00	-

Code	Emergency maintenance (km)	Routine maintenance (km)	Recurrent maintenance (km)	Periodic maintenance (km)	Rehabilitation (km)	Gravelling (km)	Blacktopping (km)	Widening (m)	Bridge (m)	Slab culvert (m)	CC Causeway (m)	Stone Causeway (m)	Pipe culvert (units)	Masonry walls (m3)	Gabion walls (m3)	Lined drain (m)	New construction (km)
37DR025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.69
37DR026	10.98	10.98	10.98	10.98	-	10.98	-	120.00	117.00	-	-	29.50	26.00	-	1,023.00	-	-
37DR027	6.81	6.81	6.81	6.81	-	6.81	-	-	-	10.00	12.00	27.00	10.00	-	300.00	-	-
37DR028	2.99	2.99	2.99	2.99	-	2.99	-	105.00	-	-	4.00	-	-	-	227.00	-	-
37DR029	15.18	15.18	15.18	15.18	0.59	14.17	-	185.00	-	-	-	22.00	-	-	300.00	772.00	2.27
37DR030	0.20	0.20	0.20	0.20	-	0.20	-	-	-	-	-	-	-	-	-	100.00	-
37DR031	4.72	4.72	4.72	4.72	-	4.72	-	-	-	-	22.00	-	-	-	128.00	200.00	-
37DR032	4.16	4.16	4.16	4.16	-	4.16	-	-	-	-	24.00	-	-	-	-	150.00	-
37DR033	2.84	2.84	2.84	2.84	-	2.84	-	-	-	-	17.00	-	-	-	60.00	555.00	-
37DR034	3.81	3.81	3.81	3.81	-	3.81	-	500.00	-	-	5.00	-	-	-	750.00	680.00	-
37DR035	23.08	23.08	23.08	23.08	-	4.29	-	-	140.00	-	78.00	-	-	-	812.00	990.00	-
37DR036	52.70	52.70	52.70	52.70	-	52.70	-	855.00	35.00	-	84.00	212.00	4.00	-	2,963.00	650.00	-
37DR037	2.62	2.62	2.62	2.62	-	2.62	-	25.00	-	-	-	-	4.00	-	14.00	-	-
37DR038	4.21	4.21	4.21	4.21	-	4.21	-	70.00	-	-	-	5.00	-	-	805.00	-	-
37DR039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.69
37DR040	5.51	5.51	5.51	5.51	-	5.51	-	40.00	-	3.00	8.00	13.00	-	-	23.00	-	-
37DR041	2.38	2.38	2.38	2.38	-	2.38	-	-	-	8.00	10.00	16.00	14.00	-	-	-	-
37DR042	22.13	22.13	22.13	22.13	-	20.41	-	-	20.00	8.00	69.00	97.00	46.00	-	192.00	-	-
37DR043	2.66	2.66	2.66	2.66	-	2.66	-	35.00	-	5.00	-	6.00	-	-	48.00	-	-
Total	395.44	395.44	395.44	395.44	0.59	306.86	1.00	3,033	577	119	1,195	552	162	195	34,916	17,055	35.53

Figure 4 : District Transport Perspective Plan (DTPP)



4. COST ESTIMATION

For the cost estimation, standard costs for the different activities required have been referred. For the conservation activities this results in an estimation of annual costs, while for improvement and new construction activities these results in an estimation of the total costs required.

4.1 CONSERVATION

The costs of the required conservation measures have been calculated using the following standard costs. These standard costs have been applied to the entire district road core network, whereby distinction is made on the basis of surface type in the case of recurrent and periodic maintenance. The standard costs for emergency, routine and recurrent maintenance is slightly decreased (10%) because of being better road surface and comparatively less district labour rate. It must be noted here that the standard costs for periodic maintenance are the average annual costs, but that the cost for applying periodic maintenance in a specific section every several years will be higher (the cumulative cost of several years). The estimated costs for the first year are presented below, while the costs for subsequent years will vary slightly as road surface types change as a result of improvements. Detailed cost estimations for the actual maintenance needs in any given year will be presented in the ARMP.

Table 4.1.1 Standard unit costs for conservation

Activity	Unit	Unit cost (NPR)
Emergency maintenance	km	30,000
Routine maintenance	km	20,000
Recurrent maintenance (Blacktop)	km	500,000
Recurrent maintenance (Gravel)	km	400,000
Recurrent maintenance (Earthen)	km	25,000
Periodic maintenance (Blacktop)	km	200,000
Periodic maintenance (Gravel)	km	250,000

For the first year the estimated costs for conservation of the DRCN come to NPR 83.35 million. Based on this cost for the first year, the costs for conservation of the DRCN for the next 5 years are estimated at NPR 421.77 million. These costs will change slightly as the roads are improved and the standard conservation costs change. This will be updated in the ARMP on an annual basis.

Table 4.1.2 Estimated conservation costs for the first year (NPR '000)

Code	Total length (km)	Blacktop (km)	Gravel (km)	Earthen (km)	Emergency maintenance	Routine maintenance	Recurrent maintenance (Blacktop)	Recurrent maintenance (Gravel)	Recurrent maintenance (Earthen)	Periodic maintenance (Blacktop)	Periodic maintenance (Gravel)	Total first year cost	Total 5-year cost
37DR001	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR002	4.79	-	1.44	3.35	144	96	-	576	84	-	360	1,259	6,296
37DR003	7.83	-	-	7.83	235	157	-	-	196	-	-	587	2,937
37DR004	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR005	4.70	-	-	4.70	141	94	-	-	118	-	-	353	1,763
37DR006	5.48	-	-	5.48	164	110	-	-	137	-	-	411	2,055
37DR007	32.25	-	19.24	13.01	968	645	-	7,696	325	-	4,810	14,444	72,219
37DR008	1.27	-	-	1.27	38	25	-	-	32	-	-	95	476
37DR009	8.90	-	-	8.90	267	178	-	-	223	-	-	668	3,338
37DR010	3.06	0.32	-	2.74	92	61	160	-	69	-	-	382	1,908
37DR011	10.12	-	-	10.12	304	202	-	-	253	-	-	759	3,795
37DR012	2.95	-	-	2.95	89	59	-	-	74	-	-	221	1,106
37DR013	25.66	-	-	25.66	770	513	-	-	642	-	-	1,925	9,623
37DR014	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR015	29.86	-	8.53	21.33	896	597	-	3,412	533	-	2,133	7,571	37,854
37DR016	4.12	-	-	4.12	124	82	-	-	103	-	-	309	1,545
37DR017	14.42	-	7.09	7.33	433	288	-	2,836	183	-	1,773	5,513	27,564
37DR018	1.20	-	-	1.20	36	24	-	-	30	-	-	90	450
37DR019	3.08	-	-	3.08	93	62	-	-	77	-	-	231	1,157
37DR020	1.53	-	1.11	0.42	46	31	-	443	11	-	277	807	4,034
37DR021	2.86	-	-	2.86	86	57	-	-	71	-	-	214	1,071
37DR022	26.69	3.45	18.79	4.45	801	534	1,725	7,516	111	-	4,698	15,384	76,921

Code	Total length (km)	Blacktop (km)	Gravel (km)	Earthen (km)	Emergency maintenance	Routine maintenance	Recurrent maintenance (Blacktop)	Recurrent maintenance (Gravel)	Recurrent maintenance (Earthen)	Periodic maintenance (Blacktop)	Periodic maintenance (Gravel)	Total first year cost	Total 5-year cost
37DR023	21.27	-	-	21.27	638	425	-	-	532	-	-	1,595	7,976
37DR024	16.43	-	7.10	9.33	493	329	-	2,840	233	-	1,775	5,670	28,349
37DR025	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR026	10.98	-	-	10.98	329	220	-	-	275	-	-	824	4,118
37DR027	6.81	-	-	6.81	204	136	-	-	170	-	-	511	2,553
37DR028	2.99	-	-	2.99	90	60	-	-	75	-	-	224	1,119
37DR029	15.18	0.06	0.95	14.17	455	304	30	380	354	-	238	1,761	8,804
37DR030	0.20	-	-	0.20	6	4	-	-	5	-	-	15	73
37DR031	4.72	-	-	4.72	141	94	-	-	118	-	-	354	1,769
37DR032	4.16	-	-	4.16	125	83	-	-	104	-	-	312	1,559
37DR033	2.84	-	-	2.84	85	57	-	-	71	-	-	213	1,067
37DR034	3.81	-	-	3.81	114	76	-	-	95	-	-	286	1,428
37DR035	23.08	0.64	18.15	4.29	692	462	320	7,260	107	-	4,538	13,379	66,894
37DR036	52.70	-	-	52.70	1,581	1,054	-	-	1,318	-	-	3,953	19,764
37DR037	2.62	-	-	2.62	79	52	-	-	66	-	-	197	983
37DR038	4.21	-	-	4.21	126	84	-	-	105	-	-	316	1,578
37DR039	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR040	5.51	-	-	5.51	165	110	-	-	138	-	-	413	2,066
37DR041	2.38	-	-	2.38	71	48	-	-	60	-	-	179	893
37DR042	22.13	-	1.72	20.41	664	443	-	688	510	-	430	2,735	13,674
37DR043	2.66	-	-	2.66	80	53	-	-	67	-	-	200	999
Total	395.44	4.47	84.12	306.86	11,863	7,909	2,235	33,647	7,671	-	21,029	84,355	421,775

4.2 IMPROVEMENT

The costs of the required improvement measures have been calculated using the following standard costs. The rate of gravelling has been reduced by 10% in standard cost mentioned in guideline because of availability of gravel in nearby rivers and lesser district labour rate. These standard costs have been applied to the identified improvement requirements presented in the previous chapter.

Table 4.2.1 Standard unit costs for improvement activities

Activity	Unit	Unit cost (NPR)
Rehabilitation	km	800,000
Widening	m	25,000
Gravelling	km	2,000,000
Blacktopping	km	5,700,000
Bridge construction	m	600,000
Slab culvert construction	m	150,000
CC Causeway construction	m	100,000
Stone Causeway construction	m	10,000
Pipe culvert placement	unit	10,000
Masonry wall construction	m ³	10,000
Gabion wall construction	m ³	2,500
Lined drain construction	m	1,000

The resulting estimated costs come to NPR 1354.06 million as indicated in the table below.

Table 4.2.2 Cost Estimate for Improvement measures (NPR '000)

Code	Total length (km)	Rehabilitation	Widening	Gravelling	Blacktopping	Bridges	Slab culverts	CC causeways	Stone causeways	Pipe culvert	Masonry walls	Gabion walls	Lined drains	Total cost
37DR001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR002	4.79	-	6,125	7,370	-	-	-	1,500	120	20	-	7,183	-	22,318
37DR003	7.83	-	-	17,232	-	9,000	900	7,200	-	80	-	4,255	710	39,377
37DR004	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR005	4.70	-	-	10,340	-	-	-	2,100	-	-	-	6,250	130	18,820
37DR006	5.48	-	-	12,054	-	18,000	-	500	-	-	-	975	200	31,729
37DR007	32.25	-	-	28,622	-	-	1,500	12,400	-	-	-	7,880	1,625	52,027
37DR008	1.27	-	-	2,794	-	-	-	1,000	-	-	-	480	450	4,724
37DR009	8.90	-	-	19,580	-	45,000	-	4,000	-	-	750	10,428	495	80,253
37DR010	3.06	-	4,750	6,028	-	24,000	-	1,000	125	40	1,200	-	616	37,759
37DR011	10.12	-	1,000	22,264	-	-	900	5,400	230	-	-	740	174	30,708
37DR012	2.95	-	10,250	6,490	-	-	-	700	-	-	-	323	-	17,763
37DR013	25.66	-	-	56,452	-	-	1,800	3,800	-	-	-	6,665	2,025	70,742
37DR014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR015	29.86	-	-	46,926	-	36,000	1,050	17,400	-	140	-	10,545	2,495	114,556
37DR016	4.12	-	-	9,064	-	-	-	5,700	-	-	-	2,938	210	17,912
37DR017	14.42	-	-	16,126	-	-	-	4,200	-	-	-	2,995	630	23,951
37DR018	1.20	-	-	2,639	-	-	-	-	-	-	-	350	-	2,989
37DR019	3.08	-	-	6,787	-	-	-	1,800	-	-	-	1,023	370	9,979
37DR020	1.53	-	-	924	-	-	-	-	-	-	-	-	250	1,174
37DR021	2.86	-	-	6,286	-	-	-	-	-	-	-	-	-	6,286
37DR022	26.69	-	-	9,790	5,700	-	4,200	6,500	-	120	-	3,083	1,200	30,593
37DR023	21.27	-	5,075	46,791	-	27,000	900	4,400	160	-	-	738	212	85,276

Code	Total length (km)	Rehabilitation	Widening	Gravelling	Blacktopping	Bridges	Slab culverts	CC causeways	Stone causeways	Pipe culvert	Masonry walls	Gabion walls	Lined drains	Total cost
37DR024	16.43	-	250	20,526	-	-	1,500	6,600	610	180	-	1,330	1,166	32,162
37DR025	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR026	10.98	-	3,000	24,156	-	70,200	-	-	295	260	-	2,558	-	100,469
37DR027	6.81	-	-	14,977	-	-	1,500	1,200	270	100	-	750	-	18,797
37DR028	2.99	-	2,625	6,568	-	-	-	400	-	-	-	568	-	10,160
37DR029	15.18	468	4,625	31,174	-	-	-	-	220	-	-	750	772	38,009
37DR030	0.20	-	-	431	-	-	-	-	-	-	-	-	100	531
37DR031	4.72	-	-	10,375	-	-	-	2,200	-	-	-	320	200	13,095
37DR032	4.16	-	-	9,147	-	-	-	2,400	-	-	-	-	150	11,697
37DR033	2.84	-	-	6,258	-	-	-	1,700	-	-	-	150	555	8,663
37DR034	3.81	-	12,500	8,379	-	-	-	500	-	-	-	1,875	680	23,934
37DR035	23.08	-	-	9,438	-	84,000	-	7,800	-	-	-	2,030	990	104,258
37DR036	52.70	-	21,375	115,951	-	21,000	-	8,400	2,120	40	-	7,408	650	176,943
37DR037	2.62	-	625	5,764	-	-	-	-	-	40	-	35	-	6,464
37DR038	4.21	-	1,750	9,257	-	-	-	-	50	-	-	2,013	-	13,070
37DR039	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR040	5.51	-	1,000	12,122	-	-	450	800	130	-	-	58	-	14,560
37DR041	2.38	-	-	5,236	-	-	1,200	1,000	160	140	-	-	-	7,736
37DR042	22.13	-	-	44,902	-	12,000	1,200	6,900	970	460	-	480	-	66,912
37DR043	2.66	-	875	5,862	-	-	750	-	60	-	-	120	-	7,667
Total	395.44	468	75,825	675,083	5,700	346,200	17,850	119,500	5,520	1,620	1,950	87,290	17,055	1,354,061

4.3 NEW CONSTRUCTION

For new construction, the following standard costs have been applied to estimate the costs involved.

Table 4.3.1 Standard unit costs for new construction

Activity	Unit	Unit cost (NPR)
Opening up	km	4,000,000
Gravelling	km	2,200,000
Bridge construction	m	600,000

The resulting estimated costs for new construction come to NPR 220.28 million.

Table 4.3.2 Cost Estimate for new construction (NPR '000)

Code	Description	New length (km)	Opening up (NPR)	Gravelling (NPR)	Bridge (NPR)	Total cost (NPR)
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	1.22	4,880	2,684	-	7,564
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	5.15	20,600	11,330	-	31,930
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	0.73	2,920	1,606	-	4,526
37DR005	Khudi-Segle (Simpani) VDC Road	1.09	4,360	2,398	-	6,758
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	0.21	840	462	-	1,302
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	5.87	23,480	12,914	-	36,394
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	5.47	21,880	12,034	-	33,914
37DR014	Salmebhanjyang-Bhojegaun VDC Road	0.98	3,920	2,156	-	6,076
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	4.65	18,600	10,230	-	28,830
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	3.69	14,760	8,118	-	22,878
Total		35.53	142,120	78,166	-	220,286

4.4 DTPP COSTS

The total costs for the District Transport Perspective Plan come to NPR 1996.12 million as indicated in the table below.

Table 4.4.1 DTPP Costs (NPR '000)

Code	Conservation	Improvement	New construction	Total
37DR001	-	-	7,564	7,564
37DR002	6,296	22,318	31,930	60,544
37DR003	2,937	39,377	-	42,315
37DR004	-	-	4,526	4,526

Code	Conservation	Improvement	New construction	Total
37DR005	1,763	18,820	6,758	27,341
37DR006	2,055	31,729	-	33,784
37DR007	72,219	52,027	1,302	125,548
37DR008	476	4,724	-	5,200
37DR009	3,338	80,253	36,394	119,984
37DR010	1,908	37,759	-	39,667
37DR011	3,795	30,708	-	34,503
37DR012	1,106	17,763	-	18,869
37DR013	9,623	70,742	33,914	114,279
37DR014	-	-	6,076	6,076
37DR015	37,854	114,556	28,830	181,240
37DR016	1,545	17,912	-	19,457
37DR017	27,564	23,951	3,162	54,677
37DR018	450	2,989	-	3,439
37DR019	1,157	9,979	-	11,136
37DR020	4,034	1,174	-	5,208
37DR021	1,071	6,286	-	7,357
37DR022	76,921	30,593	-	107,514
37DR023	7,976	85,276	-	93,252
37DR024	28,349	32,162	-	60,511
37DR025	-	-	22,878	22,878
37DR026	4,118	100,469	-	104,586
37DR027	2,553	18,797	-	21,349
37DR028	1,119	10,160	-	11,280
37DR029	8,804	38,009	14,074	60,887
37DR030	73	531	-	604
37DR031	1,769	13,095	-	14,864
37DR032	1,559	11,697	-	13,256
37DR033	1,067	8,663	-	9,730
37DR034	1,428	23,934	-	25,362
37DR035	66,894	104,258	-	171,152
37DR036	19,764	176,943	-	196,708
37DR037	983	6,464	-	7,447
37DR038	1,578	13,070	-	14,647
37DR039	-	-	22,878	22,878
37DR040	2,066	14,560	-	16,626
37DR041	893	7,736	-	8,629
37DR042	13,674	66,912	-	80,586
37DR043	999	7,667	-	8,666
Total	421,775	1,354,061	220,286	1,996,121

5. RANKING

The ranking of the required interventions determine the priority for implementation. This ranking is done separately for conservation, improvement and new construction. Ranking is done according to the cost per person served, whereby the costs are the estimated costs of the previous chapter. Population served is calculated using population data for the VDCs linked by particular road given in **Annex 3**.

5.1 CONSERVATION

Ranking of roads for conservation is done on the basis of total conservation costs per person served by the road. This ranking of roads will be updated each year in the ARMP based on the actual cost estimates for the year concerned. An example ranking is provided in the table below based on standard costs for the first year.

Table 5.1.1 Ranking of Conservation works (NPR '000)

Code	Total length (km)	1. Emergency	2. Routine	3. Recurrent (paved)	4. Recurrent (gravel)	5. Recurrent (earth)	6. Periodic (blacktop)	7. Periodic (gravel)	Total cost (NPR '000)	Population served	Cost/ person (NPR)
37DR039	-	-	-	-	-	-	-	-	-	2,650	-
37DR025	-	-	-	-	-	-	-	-	-	2,223	-
37DR014	-	-	-	-	-	-	-	-	-	1,992	-
37DR004	-	-	-	-	-	-	-	-	-	6,388	-
37DR001	-	-	-	-	-	-	-	-	-	2,318	-
37DR030	0.20	6	4	-	-	5	-	-	15	2,239	7
37DR010	3.06	92	61	160	-	69	-	-	382	18,286	21
37DR006	5.48	164	110	-	-	137	-	-	411	17,337	24
37DR012	2.95	89	59	-	-	74	-	-	221	6,845	32
37DR018	1.20	36	24	-	-	30	-	-	90	2,576	35
37DR005	4.70	141	94	-	-	118	-	-	353	6,690	53
37DR016	4.12	124	82	-	-	103	-	-	309	5,118	60
37DR003	7.83	235	157	-	-	196	-	-	587	9,583	61
37DR041	2.38	71	48	-	-	60	-	-	179	2,893	62
37DR019	3.08	93	62	-	-	77	-	-	231	3,356	69
37DR031	4.72	141	94	-	-	118	-	-	354	4,675	76
37DR011	10.12	304	202	-	-	253	-	-	759	9,689	78
37DR008	1.27	38	25	-	-	32	-	-	95	1,092	87
37DR033	2.84	85	57	-	-	71	-	-	213	2,424	88
37DR043	2.66	80	53	-	-	67	-	-	200	2,190	91
37DR040	5.51	165	110	-	-	138	-	-	413	4,056	102
37DR026	10.98	329	220	-	-	275	-	-	824	8,076	102
37DR037	2.62	79	52	-	-	66	-	-	197	1,739	113
37DR009	8.90	267	178	-	-	223	-	-	668	5,674	118
37DR029	15.18	455	304	30	380	354	-	238	1,761	14,061	125
37DR034	3.81	114	76	-	-	95	-	-	286	2,191	130
37DR028	2.99	90	60	-	-	75	-	-	224	1,605	139

Code	Total length (km)	1. Emergency	2. Routine	3. Recurrent (paved)	4. Recurrent (gravel)	5. Recurrent (earth)	6. Periodic (blacktop)	7. Periodic (gravel)	Total cost (NPR '000)	Population served	Cost/ person (NPR)
37DR042	22.13	664	443	-	688	510	-	430	2,735	14,519	188
37DR036	52.70	1,581	1,054	-	-	1,318	-	-	3,953	24,591	161
37DR021	2.86	86	57	-	-	71	-	-	214	1,254	171
37DR023	21.27	638	425	-	-	532	-	-	1,595	9,048	176
37DR013	25.66	770	513	-	-	642	-	-	1,925	10,363	186
37DR038	4.21	126	84	-	-	105	-	-	316	1,612	196
37DR032	4.16	125	83	-	-	104	-	-	312	1,562	200
37DR027	6.81	204	136	-	-	170	-	-	511	1,779	287
37DR002	4.79	144	96	-	576	84	-	360	1,259	3,871	325
37DR024	16.43	493	329	-	2,840	233	-	1,775	5,670	12,706	446
37DR020	1.53	46	31	-	443	11	-	277	807	1,697	475
37DR022	26.69	801	534	1,725	7,516	111	-	4,698	15,384	28,387	542
37DR015	29.86	896	597	-	3,412	533	-	2,133	7,571	13,508	560
37DR007	32.25	968	645	-	7,696	325	-	4,810	14,444	23,391	617
37DR035	23.08	692	462	320	7,260	107	-	4,538	13,379	20,551	651
37DR017	14.42	433	288	-	2,836	183	-	1,773	5,513	6,183	892

The allocation of maintenance funding will follow a specific sequence indicated below, and will be applied to the road ranking as defined in the ARMP. This is importance and be followed accordingly where fund is insufficient to cover all conservation costs.

1. Emergency maintenance
2. Routine maintenance
3. Recurrent maintenance paved roads
4. Recurrent maintenance gravel roads
5. Recurrent maintenance earthen roads
6. Periodic maintenance blacktop roads
7. Periodic maintenance gravel roads

5.2 IMPROVEMENT

In the case of improvement activities, ranking is again done on the basis of the total cost per person served. The resulting order of the roads is shown in the table below. In the case of roads requiring blacktopping, the improvement of the road has been split into two phases. The first phase includes all improvements to bring the road to a maintainable all-weather standard (gravelling, widening, cross drainage and protective structures), while the second phase only includes the blacktopping. This has been done to avoid unnecessarily delaying the improvement of such roads to all-weather gravel standard due to the additional cost of blacktopping (increasing the cost per person served).

Table 5.2.1 Ranking of improvement works (NPR '000)

Code	Total length (km)	Gravelling (km)	Blacktopping (km)	Total cost (NPR '000)	Population served	Cost/person (NPR)
37DR004	-	-	-	-	6,388	-
37DR039	-	-	-	-	2,650	-
37DR014	-	-	-	-	1,992	-
37DR001	-	-	-	-	2,318	-
37DR025	-	-	-	-	2,223	-
37DR030	0.20	0.20	-	531	2,239	237
37DR020	1.53	0.42	-	1,174	1,697	692
37DR022	26.69	4.45	1.00	30,593	28,387	1,078
37DR018	1.20	1.20	-	2,989	2,576	1,160
37DR006	5.48	5.48	-	31,729	17,337	1,830
37DR010	3.06	2.74	-	37,759	18,286	2,065
37DR007	32.25	13.01	-	52,027	23,391	2,224
37DR024	16.43	9.33	-	32,162	12,706	2,531
37DR012	2.95	2.95	-	17,763	6,845	2,595
37DR041	2.38	2.38	-	7,736	2,893	2,674
37DR029	15.18	14.17	-	38,009	14,061	2,703
37DR042	22.13	20.41	-	66,912	14,519	4,609
37DR031	4.72	4.72	-	13,095	4,675	2,801
37DR005	4.70	4.70	-	18,820	6,690	2,813
37DR019	3.08	3.08	-	9,979	3,356	2,974
37DR011	10.12	10.12	-	30,708	9,689	3,169
37DR016	4.12	4.12	-	17,912	5,118	3,500
37DR043	2.66	2.66	-	7,667	2,190	3,501
37DR033	2.84	2.84	-	8,663	2,424	3,574
37DR040	5.51	5.51	-	14,560	4,056	3,590
37DR037	2.62	2.62	-	6,464	1,739	3,717
37DR017	14.42	7.33	-	23,951	6,183	3,874
37DR003	7.83	7.83	-	39,377	9,583	4,109
37DR008	1.27	1.27	-	4,724	1,092	4,326
37DR021	2.86	2.86	-	6,286	1,254	5,013
37DR035	23.08	4.29	-	104,258	20,551	5,073
37DR002	4.79	3.35	-	22,318	3,871	5,765
37DR028	2.99	2.99	-	10,160	1,605	6,330
37DR013	25.66	25.66	-	70,742	10,363	6,826
37DR036	52.70	52.70	-	176,943	24,591	7,195
37DR032	4.16	4.16	-	11,697	1,562	7,488
37DR038	4.21	4.21	-	13,070	1,612	8,108
37DR015	29.86	21.33	-	114,556	13,508	8,481
37DR023	21.27	21.27	-	85,276	9,048	9,425
37DR027	6.81	6.81	-	18,797	1,779	10,566
37DR034	3.81	3.81	-	23,934	2,191	10,924
37DR026	10.98	10.98	-	100,469	8,076	12,440
37DR009	8.90	8.90	-	80,253	5,674	14,144

* Phase 1: Earth to Gravel standard

** Phase 2: Gravel to Blacktop standard

5.3 NEW CONSTRUCTION

For the roads proposed for new construction, ranking is also according to the cost per person served by the new road. The result of ranking is given in the table below.

Table 5.3.1 Ranking of construction works (NPR '000)

Code	Length (km)	Total cost (NPR '000)	Population served	Cost/person (NPR)
37DR003	-	-	9,583	-
37DR019	-	-	3,356	-
37DR020	-	-	1,697	-
37DR028	-	-	1,605	-
37DR031	-	-	4,675	-
37DR032	-	-	1,562	-
37DR024	-	-	12,706	-
37DR022	-	-	28,387	-
37DR010	-	-	18,286	-
37DR026	-	-	8,076	-
37DR021	-	-	1,254	-
37DR018	-	-	2,576	-
37DR016	-	-	5,118	-
37DR012	-	-	6,845	-
37DR027	-	-	1,779	-
37DR034	-	-	2,191	-
37DR037	-	-	1,739	-
37DR011	-	-	9,689	-
37DR033	-	-	2,424	-
37DR030	-	-	2,239	-
37DR006	-	-	17,337	-
37DR008	-	-	1,092	-
37DR036	-	-	24,591	-
37DR023	-	-	9,048	-
37DR038	-	-	1,612	-
37DR043	-	-	2,190	-
37DR041	-	-	2,893	-
37DR042	-	-	14,519	-
37DR035	-	-	20,551	-
37DR040	-	-	4,056	-
37DR007	0.21	1,302	23,391	56
37DR017	0.51	3,162	6,183	511
37DR004	0.73	4,526	6,388	709
37DR029	2.27	14,074	14,061	1,001
37DR005	1.09	6,758	6,690	1,010
37DR015	4.65	28,830	13,508	2,134
37DR014	0.98	6,076	1,992	3,050
37DR001	1.22	7,564	2,318	3,263
37DR013	5.47	33,914	10,363	3,273
37DR009	5.87	36,394	5,674	6,414
37DR002	5.15	31,930	3,871	8,249
37DR039	3.69	22,878	2,650	8,633
37DR025	3.69	22,878	2,223	10,291
Total	35.53	220,286	-	

6. DISTRICT TRANSPORT MASTER PLAN (DTMP)

Based upon the prioritized transport linkages and the projected financial plan, first five year DTMP indicating the year-wise target has been prepared. Various categories of interventions such as Conservation, Improvement and New construction for roads have been prepared and presented in this report.

6.1 FIVE YEAR PROJECTED FINANCIAL RESOURCES

Major sources of funding to rural road network development are mainly the DDC development grant, VDC allocation, DDC's and VDC's own resources, DoLIDAR support, GoN's grant and support from other donor agencies. While preparing the financial plan, current available financial resources from various agencies and assuming 10% annual growth on this was considered and this is then projected for the next five years to prepare the First Five-year Financial Plan as presented in table 6.1.1.

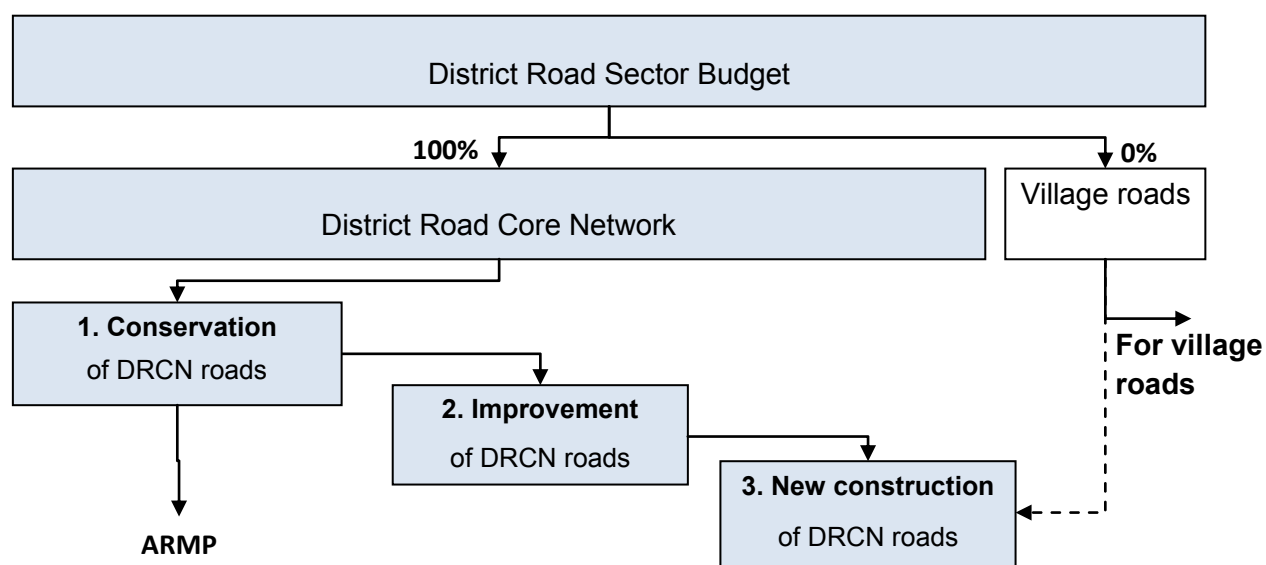
Table 6.1.1 Estimated funding levels (roads) for next five years (in NPR '000)

Funding source	2070/71	2071/72	2072/73	2073/74	2074/75
DDC Capital Grant (37.47 % of 14945 Thousand)	5,600	6,160	6,776	7,454	8,199
Local Transport Infrastructure Area Program	12,600	13,860	15,246	16,771	18,448
Local Road Bridge & Community Access Improvement program	15,000	16,500	18,150	19,965	21,962
DRILP-AF	40,000	44,000	48,400	53,240	0
DDC Internal Source (35 % of 6000 Thousand)	2,100	2,310	2,541	2,795	3,075
Road Board Nepal (RBN)	1,950	2,145	2,360	2,595	2,855
Bidhut Royalty	5,000	5,500	6,050	6,655	7,321
VDC Capital Grant (26.38 % of 90197 Thousand)	23,800	26,180	28,798	31,678	34,846
DoR (Excluding SRN)	33,800	37,180	40,898	44,988	49,487
Total	139,850	153,835	169,219	186,140	146,190
Grand total	795,234				

6.2 BUDGET ALLOCATION

Distribution of the available district road sector budget is indicated in the figure below. Due to the few number of village roads, 100 % of the total budget is allocated for the District Road Core Network. The DRCN budget is primarily allocated to conservation and surplus of this is then allocated to improvement. There is no sufficient budget for improvement of all DRCN of Lamjung District so; no budget is remaining for new construction.

Figure 5: District Road Sector Budget Allocation



Based on distribution of the estimated budget, the available annual budget for each intervention type and the resulting district road core network length by surface type can be calculated. The results are shown in the following table. Budget allocation to some roads for improvement is not possible due to the various reasons however, they are ranked on top. These roads are short in length and ended in jungle or river and local people do not use these road sections until they completed. Some roads are linking with earthen road, which is fail to get DTMP budget for improvement, are also not getting DTMP budget because it would be difficult to consider as all weather access if approaching road is remain earthen.

Table 6.2.1 Investment Plan

Item				Year														
Fiscal year				2070/71			2071/72			2072/73			2073/74			2074/75		
Total budget				139,850			153,835			169,219			186,140			146,190		
Village roads				-			-			-			-			-		
Core road network budget (DTMP)				139,850			153,835			169,219			186,140			146,190		
Core network length (km)				395.44			395.44			395.44			395.44			395.44		
Blacktop (km)				4.47			4.77			5.07			5.47			5.47		
Gravel (km)				84.12			93.11			102.42			120.03			143.95		
Earthen (km)				306.86			297.56			287.95			269.94			246.02		
Conservation				85,249			91,071			97,097			108,369			123,321		
Emergency				11,863			11,863			11,863			11,863			11,863		
Routine				7,909			7,909			7,909			7,909			7,909		
Recurrent (blacktop)				2,235			2,387			2,536			2,735			2,735		
Recurrent (gravel)				33,647			37,242			40,970			48,012			57,581		
Recurrent (earthen)				7,671			7,439			7,199			6,749			6,151		
Periodic (blacktop)				894			955			1,014			1,094			1,094		
Periodic (gravel)				21,029			23,276			25,606			30,007			35,988		
Improvement	Cost	BT	GR	54,601	BT	GR	62,764	BT	GR	72,122	BT	GR	77,772	BT	GR	22,870	BT	GR
37DR004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Improvement	Cost	BT	GR	54,601	BT	GR	62,764	BT	GR	72,122	BT	GR	77,772	BT	GR	22,870	BT	GR
37DR030	531	-	0.20	531	-	0.20	-	-	-	-	-	-	-	-	-	-	-	-
37DR020	1,174	-	0.42	1,174	-	0.42	-	-	-	-	-	-	-	-	-	-	-	-
37DR022	30,593	1.00	4.45	9,300	0.30	1.35	9,100	0.30	1.32	12,193	0.40	1.77	-	-	-	-	-	-
37DR018	2,989	-	1.20	2,989	-	1.20	-	-	-	-	-	-	-	-	-	-	-	-
37DR006	31,729	-	5.48	31,729	-	5.48	-	-	-	-	-	-	-	-	-	-	-	-
37DR010	37,759	-	2.74	8,878	-	0.64	28,881	-	2.10	-	-	-	-	-	-	-	-	-
37DR007	52,027	-	13.01	-	-	-	24,783	-	6.20	27,244	-	6.81	-	-	-	-	-	-
37DR024	32,162	-	9.33	-	-	-	-	-	-	32,162	-	9.33	-	-	-	-	-	-

Improvement	Cost	BT	GR	54,601	BT	GR	62,764	BT	GR	72,122	BT	GR	77,772	BT	GR	22,870	BT	GR
37DR012	17,763	-	2.95	-	-	-	-	-	-	523	-	0.09	17,240	-	2.86	-	-	-
37DR041	7,736	-	2.38	-	-	-	-	-	-	-	-	-	7,736	-	2.38	-	-	-
37DR029	38,009	-	14.17	-	-	-	-	-	-	-	-	-	38,009	-	14.17	-	-	-
37DR042	66,912	-	20.41	-	-	-	-	-	-	-	-	-	14,787	-	4.51	22,870	-	6.98
37DR031	13,095	-	4.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR005	18,820	-	4.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR019	9,979	-	3.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR011	30,708	-	10.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR016	17,912	-	4.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR043	7,667	-	2.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR033	8,663	-	2.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR040	14,560	-	5.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR037	6,464	-	2.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR017	23,951	-	7.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR003	39,377	-	7.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR008	4,724	-	1.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR021	6,286	-	2.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR035	104,258	-	4.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR002	22,318	-	3.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR028	10,160	-	2.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR013	70,742	-	25.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR036	176,943	-	52.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR032	11,697	-	4.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR038	13,070	-	4.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR015	114,556	-	21.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR023	85,276	-	21.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR027	18,797	-	6.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR034	23,934	-	3.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR026	100,469	-	10.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37DR009	80,253	-	8.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total improvement				54,601	0.30	9.29	62,764	0.30	9.62	72,122	0.40	18.00	77,772	-	23.92	22,870	-	6.98
Construction	Cost	GR		-	GR		-	GR		-	GR		-	GR		-	GR	
37DR003	-	-		-	-		-	-		-	-		-	-		-	-	

Construction	Cost	GR	-	GR	-	GR	-	GR	-	GR	-	GR
37DR019	-	-	-	-	-	-	-	-	-	-	-	-
37DR020	-	-	-	-	-	-	-	-	-	-	-	-
37DR028	-	-	-	-	-	-	-	-	-	-	-	-
37DR031	-	-	-	-	-	-	-	-	-	-	-	-
37DR032	-	-	-	-	-	-	-	-	-	-	-	-
37DR024	-	-	-	-	-	-	-	-	-	-	-	-
37DR022	-	-	-	-	-	-	-	-	-	-	-	-
37DR010	-	-	-	-	-	-	-	-	-	-	-	-
37DR026	-	-	-	-	-	-	-	-	-	-	-	-
37DR021	-	-	-	-	-	-	-	-	-	-	-	-
37DR018	-	-	-	-	-	-	-	-	-	-	-	-
37DR016	-	-	-	-	-	-	-	-	-	-	-	-
37DR012	-	-	-	-	-	-	-	-	-	-	-	-
37DR027	-	-	-	-	-	-	-	-	-	-	-	-
37DR034	-	-	-	-	-	-	-	-	-	-	-	-
37DR037	-	-	-	-	-	-	-	-	-	-	-	-
37DR011	-	-	-	-	-	-	-	-	-	-	-	-
37DR033	-	-	-	-	-	-	-	-	-	-	-	-
37DR030	-	-	-	-	-	-	-	-	-	-	-	-
37DR006	-	-	-	-	-	-	-	-	-	-	-	-
37DR008	-	-	-	-	-	-	-	-	-	-	-	-
37DR036	-	-	-	-	-	-	-	-	-	-	-	-
37DR023	-	-	-	-	-	-	-	-	-	-	-	-
37DR038	-	-	-	-	-	-	-	-	-	-	-	-
37DR043	-	-	-	-	-	-	-	-	-	-	-	-
Construction	Cost	GR	-	GR	-	GR	-	GR	-	GR	-	GR
37DR041	-	-	-	-	-	-	-	-	-	-	-	-
37DR042	-	-	-	-	-	-	-	-	-	-	-	-
37DR035	-	-	-	-	-	-	-	-	-	-	-	-
37DR040	-	-	-	-	-	-	-	-	-	-	-	-
37DR007	-	-	-	-	-	-	-	-	-	-	-	-
37DR017	3,162	0.51	-	-	-	-	-	-	-	-	-	-
37DR004	4,526	0.73	-	-	-	-	-	-	-	-	-	-

Construction	Cost	GR	-	GR	-	GR	-	GR	-	GR	-	GR
37DR029	14,074	2.27	-	-	-	-	-	-	-	-	-	-
37DR005	6,758	1.09	-	-	-	-	-	-	-	-	-	-
37DR015	28,830	4.65	-	-	-	-	-	-	-	-	-	-
37DR014	6,076	0.98	-	-	-	-	-	-	-	-	-	-
37DR001	7,564	1.22	-	-	-	-	-	-	-	-	-	-
37DR013	33,914	5.47	-	-	-	-	-	-	-	-	-	-
37DR009	36,394	5.87	-	-	-	-	-	-	-	-	-	-
37DR002	31,930	5.15	-	-	-	-	-	-	-	-	-	-
37DR039	22,878	3.69	-	-	-	-	-	-	-	-	-	-
37DR025	22,878	3.69	-	-	-	-	-	-	-	-	-	-
Total new construction			-	-	-	-	-	-	-	-	-	-
Remaining budget			0	-	0	0	0	0	-	0	-	0

Note: Improvement Length = 68.81 Km,

NPR 290,128 Improvement expense

6.3 DTMP OUTPUTS

Based on the investment plan presented above, all DRCN roads will be conserved for the duration of the DTMP period. A further 67.81 km will be improved to gravel and 1.0 km blacktopped standards respectively. All of these roads will also receive the cross drainage and protective structures required to make them maintainable all-weather roads. Remaining 278.04 km of earthen roads including new construction (35.53 km) at the end of the DTMP period will be improved in the next DTMP. Same way new construction will only take place after the existing DRCN roads have been improved to maintainable all weather standards (some of these roads may be constructed using VDC funding).

Table 6.3.1 DTMP output

Conservation	Improvement gravel	Improvement blacktop	New construction
395.44	67.81	1.00	-

Out of the total DTMP budget, NPR 505.10 million will be spent on conservation and NPR 290.12 million on improvement. The DTMP budget will spend in entire period of five-year.

6.4 DTMP OUTCOME

As a result of the activities planned in the DTMP, the percentage of all-weather maintainable DRCN roads increases by 17 % from 84.12 km to 151.93 km Gravel and 5.47 km blacktopped respectively and 60% (239.04 km) leftovers as fair weather.

Table 6.4.1 Standard of DRCN roads

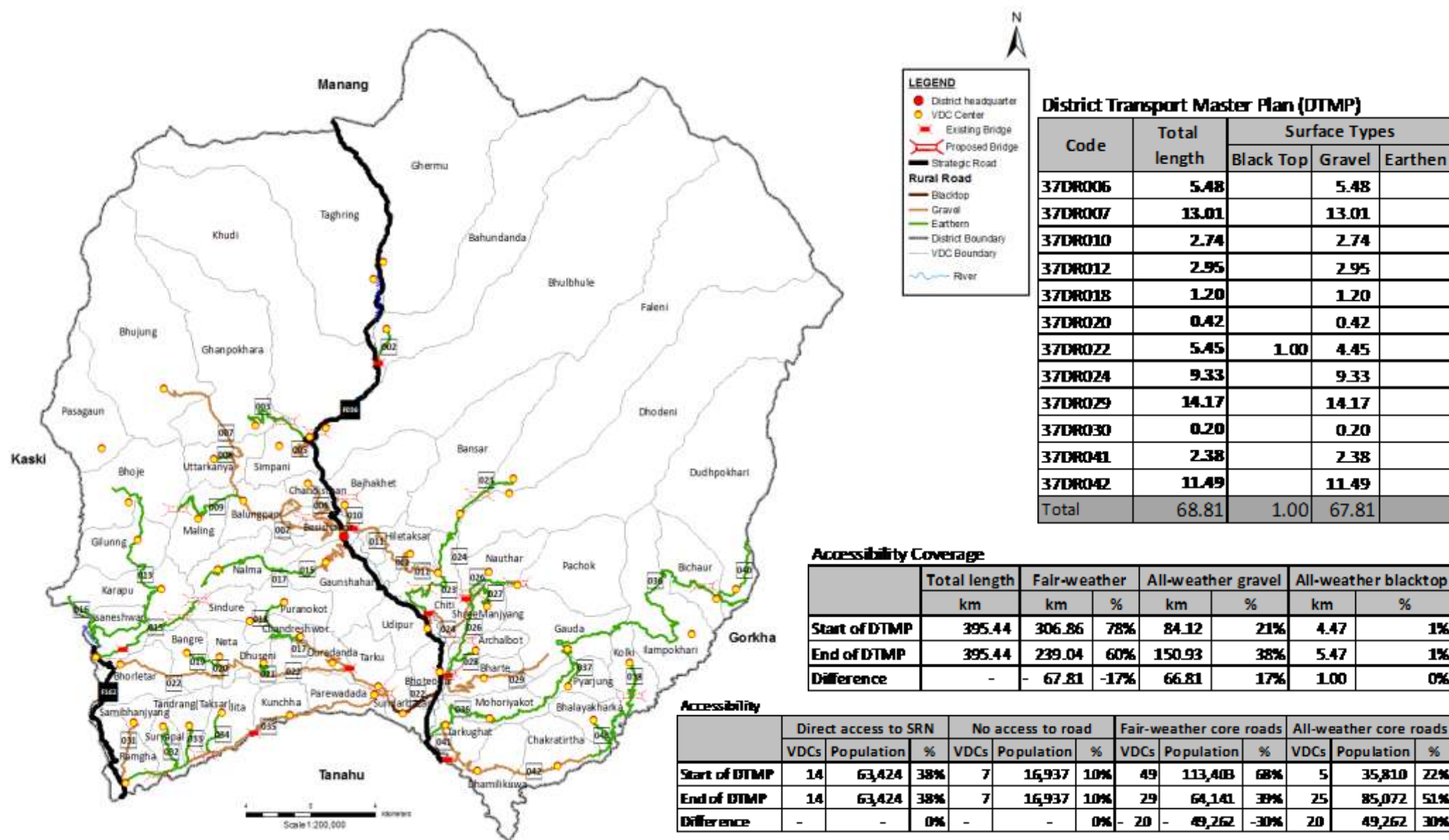
	Total length	Fair-weather		All-weather gravel		All-weather blacktop	
	km	km	%	km	%	km	%
Start of DTMP	395.44	306.86	78%	84.12	21%	4.47	1%
End of DTMP	395.44	239.04	60%	150.93	38%	5.47	1%
Difference	-	- 67.81	-17%	66.81	17%	1.00	0%

The number of VDC headquarters with access to the SRN or all-weather DRCN roads will increase from 5 to 25 and the district population with access to the SRN or all-weather DRCN roads will increase from 22% to 39% (Gravel) and 1% (Blacktopped). The number of VDC headquarters with no access to DRCN roads will remain at 7, while the percentage of the district population with no access to DRCN roads will remain at 10%.

Table 6.4.2 Population with access to road network

	Direct access to SRN			No access to road			Fair-weather core roads			All-weather core roads		
	VDCs	Population	%	VDCs	Population	%	VDCs	Population	%	VDCs	Population	%
Start of DTMP	14	63,424	38%	7	16,937	10%	49	113,403	68%	5	35,810	22%
End of DTMP	14	63,424	38%	7	16,937	10%	29	64,141	39%	25	85,072	51%
Difference	-	-	0%	-	-	0%	- 20	- 49,262	-30%	20	49,262	30%

Figure 6 : District Transport Master Plan (DTMP)



ANNEX 1 GIS FILE PROJECTION AND COORDINATE SYSTEM

GPS Setting

Grid: **Lat/Long hdd.ddd** and Datum **Indian Bangladesh** and Unit in **metric** system has been considered in GPS during field survey. Garmin Etrex 30 GPS receiver was used in GPS field survey.

Defining the coordinate systems and reprojecting data in ArcGIS

We can define a coordinate system for data using the following options in ArcGIS using the [Define Projection tool](#) in the Data Management toolbox. If the data has a coordinate system definition, but it does not match the typical coordinate system used by an organization, we can reproject the data using the [Project tool](#) in the Data Management toolbox. We need to use the corresponding projection parameters while defining the coordinate system or reprojecting the data.

Projection and coordinate System used in GIS Shape file

- Projection type: Conformal (preserving shape)
- Projected coordinate system: Transverse Mercator
- Parameters of the coordinate system:
 - *False_Easting: 500000*
 - *False_Northing: 0*
 - *Central_Meridian: 81 for Western of Nepal*
 - *Scale_Factor: 0.9999*
 - *Latitude_Of_Origin: 0*
 - *Spheroid: Everest 1830*
- Associated Geographic Coordinate System: *Everest-India and Nepal.prj* under Asia

ANNEX 2 TRAFFIC DATA

Code	Description	Total Length (km)	Motorcycle	Car-Jeep-Minibus	Tractor	Truck-Bus	PCU	VPD
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	0.00	0	0	0	0	-	-
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	4.79	15	8	2	5	40	15
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83	10	2	5	0	17	7
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	0.00	0	0	0	0	-	-
37DR005	Khudi-Segle (Simpani) VDC Road	4.70	5	2	1	0	7	3
37DR006	Besishahar-Chandisthan VDC Road	5.48	10	2	1	0	9	3
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.25	25	16	7	2	51	25
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27	2	2	1	0	5	3
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	8.90	7	2	2	0	10	4
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06	25	0	0	0	13	-
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12	5	0	0	0	3	-
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95	0	0	0	0	-	-
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	25.66	14	8	10	2	43	20
37DR014	Salmebhanjyang-Bhojegaun VDC Road	0.00	0	0	0	0	-	-
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	29.86	15	4	4	2	28	10
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road	4.12	5	1	1	0	6	2
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.42	8	4	3	0	14	7
37DR018	Chihandanda-Sindure VDC Road	1.20	4	2	1	0	6	3
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08	5	2	1	0	7	3
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53	5	2	2	0	9	4
37DR021	Koiralaphant-Dhuseni VDC Road	2.86	0	-	2	0	4	2
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	30	15	7	3	56	25
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road	21.27	32	12	8	2	52	22
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43	25	14	10	2	55	26

Code	Description	Total Length (km)	Motorcycle	Car-Jeep-Minibus	Tractor	Truck-Bus	PCU	VPD
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	0.00	0	0	0	0	-	-
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98	8	2	3	0	12	5
37DR027	Lamabagar-Shreemanjyang VDC Road	6.81	5	2	1	0	7	3
37DR028	Thanti-Archalbot VDC Road	2.99	3	1	1	0	5	2
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	15.18	32	2	1	0	20	3
37DR030	Kaphalbot-Bharte VDC Road	0.20	14	2	1	0	11	3
37DR031	Duipiple-Samibhanjyang VDC Road	4.72	4	1	1	0	5	2
37DR032	Sundaradihi-Suryapal VDC Road	4.16	3	1	2	0	7	3
37DR033	Sotipasal-Taksar VDC Road	2.84	5	1	2	0	8	3
37DR034	Jitatar-Shaptadhara VDC Road	3.81	3	1	1	0	5	2
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08	25	15	11	7	78	33
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70	40	12	5	1	46	18
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62	14	2	1	0	11	3
37DR038	Bansarabesi-Kolki VDC Road	4.21	5	-	0	0	3	-
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	0.00	0	-	0		-	-
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51	2	1	1		4	2
37DR041	Harrabot-Bhaisekhola Road	2.38	25	2	1	0	17	3
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	22.13	40	15	10	3	67	28
37DR043	Sahilitar-Balayakharka VDC Road	2.66	6	1	1	0	6	2
Total		395.44						

ANNEX 3 POPULATION SERVED

[illegible]

[illegible]

ANNEX 4 LOCATION OF PROPOSED INTERVENTIONS

Road code	Road Name	Length (km)	Start chainage (km) or X-coordinate	End chainage (km) or Y-coordinate	Rehabilitation (km)	Gravelling (km)	Blacktopping (km)	Widening (m)	Bridge (m)	Slab culvert (m)	CC Causeway (m)	Stone Causeway (m)	Pipe culvert (units)	Masonry walls (m ³)	Gabion walls (m ³)	Lined drain (m)
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	0			0	0	0	0	0	0	0	0	0	0	0	0
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	4.79			0	3.35	0	245	0	0	15	12	2	0	2873	0
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83			0	7.83	0	0	15	6	72	0	8	0	1702	710
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	0			0	0	0	0	0	0	0	0	0	0	0	0
37DR005	Khudi-Segle (Simpani) VDC Road	4.7			0	4.7	0	0	0	0	21	0	0	0	2500	130
37DR006	Besishahar-Chandisthan VDC Road	5.48			0	5.48	0	0	30	0	5	0	0	0	390	200
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.25			0	13.01	0	0	0	10	124	0	0	0	3152	1625
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27			0	1.27	0	0	0	0	10	0	0	0	192	450
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	8.9			0	8.9	0	0	75	0	40	0	0	75	4171	495
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06			0	2.74	0	190	40	0	10	12.5	4	120	0	616
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12			0	10.12	0	40	0	6	54	23	0	0	296	174
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95			0	2.95	0	410	0	0	7	0	0	0	129	0
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	25.66			0	25.66	0	0	0	12	38	0	0	0	2666	2025
37DR014	Salmebhanjyang-Bhojegaun VDC Road	0			0	0	0	0	0	0	0	0	0	0	0	0
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	29.86			0	21.33	0	0	60	7	174	0	14	0	4218	2495
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road	4.12			0	4.12	0	0	0	0	57	0	0	0	1175	210
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.42			0	7.33	0	0	0	0	42	0	0	0	1198	630
37DR018	Chihandanda-Sindure VDC Road	1.20			0	1.20	0	0	0	0	0	0	0	0	140	0
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08			0	3.08	0	0	0	0	18	0	0	0	409	370
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53			0	0.42	0	0	0	0	0	0	0	0	0	250
37DR021	Koiralaphant-Dhuseni VDC Road	2.86			0	2.86	0	0	0	0	0	0	0	0	0	0
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69			0	4.45	1	0	0	28	65	0	12	0	1233	1200

Road code	Road Name	Length (km)	Start chainage (km) or X-coordinate	End chainage (km) or Y-coordinate	Rehabilitation (km)	Gravelling (km)	Blacktopping (km)	Widening (m)	Bridge (m)	Slab culvert (m)	CC Causeway (m)	Stone Causeway (m)	Pipe culvert (units)	Masonry walls (m3)	Gabion walls (m3)	Lined drain (m)
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road	21.27			0	21.27	0	203	45	6	44	16	0	0	295	212
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43			0	9.33	0	10	0	10	66	61	18	0	532	1166
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	0			0	0	0	0	0	0	0	0	0	0	0	0
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98			0	10.98	0	120	117	0	0	29.5	26	0	1023	0
37DR027	Lamabagar-Shreemanjang VDC Road	6.81			0	6.81	0	0	0	10	12	27	10	0	300	0
37DR028	Thanti-Archalbot VDC Road	2.99			0	2.99	0	105	0	0	4	0	0	0	227	0
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	15.18			0.585	14.17	0	185	0	0	0	22	0	0	300	772
37DR030	Kaphalbot-Bharte VDC Road	0.20			0	0.20	0	0	0	0	0	0	0	0	0	100
37DR031	Duipiple-Samibhanjang VDC Road	4.72			0	4.72	0	0	0	0	22	0	0	0	128	200
37DR032	Sundaradihi-Suryapal VDC Road	4.16			0	4.16	0	0	0	0	24	0	0	0	0	150
37DR033	Sotipasal-Taksar VDC Road	2.84			0	2.84	0	0	0	0	17	0	0	0	60	555
37DR034	Jitatar-Shaptadhara VDC Road	3.81			0	3.81	0	500	0	0	5	0	0	0	750	680
37DR035	Khatrithati-Kunchha Bhanjang-Sotipasal-Sundaradihi-Duipiple Road	23.08			0	4.29	0	0	140	0	78	0	0	0	812	990
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70			0	52.70	0	855	35	0	84	212	4	0	2963	650
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62			0	2.62	0	25	0	0	0	0	4	0	14	0
37DR038	Bansarabesi-Kolki VDC Road	4.21			0	4.21	0	70	0	0	0	5	0	0	805	0
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	0			0	0	0	0	0	0	0	0	0	0	0	0
69DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51			0	5.51	0	40	0	3	8	13	0	0	23	0
69DR041	Harrabot-Bhaisekhola Road	2.38			0	2.38	0	0	0	8	10	16	14	0	0	0
69DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	22.13			0	20.41	0	0	20	8	69	97	46	0	192	0
69DR043	Sahilitar-Balayakharka VDC Road	2.66			0	2.66	0	35	0	5	0	6	0	0	48	0
Total		395.44			0.59	306.86	1	3033	577	119	1195	552	162	195	34916	17055

ANNEX 5 OVERALL ROAD INVENTORY

Road code	Road Name	Length (km)	Start chainage (km) or XY-coordinate	End chainage (km) or XY-coordinate	Surface Type: Black Top	Surface Type : Gravel	Surface Type : Earth	All Weather	Fair Weather	Condition - Good/Fair	Condition - Poor	Condition - Temporarily Impassable	Condition - Permanently Impassable
District Road Core Network (DRCN)													
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	0.00											√
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	4.79				√	√		√			√	
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83					√		√			√	
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	0.00											√
37DR005	Khudi-Segle (Simpani) VDC Road	4.70					√		√		√		
37DR006	Besishahar-Chandisthan VDC Road	5.48					√		√		√		
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.25				√	√		√		√		
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27					√		√		√		
37DR009	Kapurgaun-Maling-Salmebhanjyang Road	8.90					√		√			√	
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06			√		√		√			√	
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12					√		√			√	
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95					√		√			√	
37DR013	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	25.66					√		√			√	
37DR014	Salmebhanjyang-Bhojegaun VDC Road	0.00											√
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	29.86				√	√		√		√		
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road	4.12					√		√		√		
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.42				√	√		√		√		
37DR018	Chihandanda-Sindure VDC Road	1.20					√		√		√		
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08					√		√		√		
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53				√	√		√		√		
37DR021	Koiralaphant-Dhuseni VDC Road	2.86					√		√			√	

Road code	Road Name	Length (km)	Start chainage (km) or XY-coordinate	End chainage (km) or XY-coordinate	Surface Type: Black Top	Surface Type : Gravel	Surface Type : Earth	All Weather	Fair Weather	Condition - Good/Fair	Condition - Poor	Condition - Temporarily Impassable	Condition - Permanently Impassable
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69			√	√	√		√		√		
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahr-Hilebesi-Faleni Road	21.27					√		√			√	
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43				√	√		√			√	
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	0.00											√
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98					√		√			√	
37DR027	Lamabagar-Shreemanjyang VDC Road	6.81					√		√			√	
37DR028	Thanti-Archalbot VDC Road	2.99					√		√		√		
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	15.18			√	√	√		√			√	
37DR030	Kaphalbot-Bharte VDC Road	0.20					√		√	√			
37DR031	Duipiple-Samibhanjyang VDC Road	4.72					√		√		√		
37DR032	Sundaradihi-Suryapal VDC Road	4.16					√		√		√		
37DR033	Sotipasal-Taksar VDC Road	2.84					√		√		√		
37DR034	Jitatar-Shaptadhara VDC Road	3.81					√		√		√		
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08			√	√	√		√		√		
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70					√		√			√	
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62					√		√		√		
37DR038	Bansarabesi-Kolki VDC Road	4.21					√		√			√	
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	0.00											√
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51					√					√	
37DR041	Harrabot-Bhaisekhola Road	2.38					√		√			√	
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansarabesi Road	22.13				√	√		√		√		
37DR043	Sahilitar-Balayakharka VDC Road	2.66					√		√			√	
Sub-Total (DRCN)		395.44											

Road code	Road Name	Length (km)	Start chainage (km) or XY-coordinate	End chainage (km) or XY-coordinate	Surface Type: Black Top	Surface Type : Gravel	Surface Type : Earth	All Weather	Fair Weather	Condition - Good/Fair	Condition - Poor	Condition - Temporarily Impassable	Condition - Permanently Impassable
Urban Road (UR)													
37UR001	Besiahahar Ring Road Road	4.29			√	√	√		√		√		
37UR002	Bhoteodar Urban Road Road	0.32			√			√		√			
37UR003	Bhakti School - Main road (Bhonteodar) Road	0.50			√			√		√			
37UR004	Phulbari (Bhoteodar)-Marsyangdi river Road	0.51					√		√		√		
Sub-Total (UR)		5.62											
Village Road (VR)													
37VR001	Thulibesi-Dhwangkhola/Dingding Road	1.50					√		√			√	
37VR002	Shitaldanda-Thulibesi-Ludi Road	3.89					√		√			√	
37VR003	Bhulbhule-Thakanbesi Road	6.30				√	√		√		√		
37VR004	Khudi-Siurung-Shyange Road	5.20					√		√			√	
37VR005	Nayu-Ghanpokhara Road	0.80					√		√			√	
37VR006	Nayu-Ghanpokhara VDC Road	4.20					√		√			√	
37VR007	Khudi Link Road	0.46					√		√		√		
37VR008	Ghalegau-Bhalemchaur-simpani Road	6.11					√		√			√	
37VR009	Khudi-Sirbari-Chandisthan Road	4.43				√	√		√			√	
37VR010	Banjhakhet-Khasurbesi-Letephant-Bandre-Bhulbhule Road	5.40					√		√			√	
37VR011	Simalchaur-Bhangeri Road	1.29					√		√			√	
37VR012	Sirbari-Lamagaun Road	1.70					√		√			√	
37VR013	Chandisthan-Sumrung Road	1.48					√		√			√	
37VR014	Khasurbesi-Khasur-Letephant Road	5.07				√	√		√			√	
37VR015	Khasur Village Road	0.24					√		√		√		
37VR016	Deujanthok Village Road	0.22					√		√			√	
37VR017	Khasurbesi -Deujanthok-Bhachokhola-Sandhu-Khache-Purano Duwar-Taksar Road	8.56					√		√			√	

Road code	Road Name	Length (km)	Start chainage (km) or XY-coordinate	End chainage (km) or XY-coordinate	Surface Type: Black Top	Surface Type : Gravel	Surface Type : Earth	All Weather	Fair Weather	Condition - Good/Fair	Condition - Poor	Condition - Temporarily Impassable	Condition - Permanently Impassable
37VR018	Bhachokhola - Khanche Road	5.0239					√		√			√	
37VR019	Duighare-Sigling Road	1.10					√		√			√	
37VR020	Masikharka-Dailung Road	1.78					√		√		√		
37VR021	Kirtipur-Chhotekhola-Taje Road	2.29					√		√		√		
37VR022	Kandelung-Phulmurang Road	1.61					√		√			√	
37VR023	Banjkhhet-Ratmata-Sirbari-Khasurbesi Road	7.87					√		√			√	
37VR024	Sirbari Village Road	0.48					√		√			√	
37VR025	Devisthan - Sirbari Road	1.33					√		√		√		
37VR026	Ratmate-Gaunbhachok-Taksar/Purano Duwar school Road	3.01					√		√			√	
37VR027	Banjhakhet-Ghaderi Village Road	0.75					√		√			√	
37VR028	Hilebesi bazar road Road	0.35					√		√		√		
37VR029	Lakuribot-Purano Duwar Road	3.49			√	√	√		√		√		
37VR030	Majhgaun-Bhirkuna Road	1.43					√		√			√	
37VR031	Dhairesni-Tham Road	1.58					√		√			√	
37VR032	Syaut-Duwar-Bansar-Khinchok Road	6.12					√		√		√		
37VR033	Phulingiri - Madi Road	1.07					√		√			√	
37VR034	Arubote Khola - Baledanda Road	1.32					√		√			√	
37VR035	Bichaur Bazar-Tallo Bichaur/Bhanjyang Road	1.99					√		√			√	
37VR036	Maling VDC -Sailung Road	4.15					√		√			√	
37VR037	Bimdabesi-Bimda-Shitalswara Road	2.45					√		√			√	
37VR038	Dehithok-Dhurpure-Bakhrejagat Road	3.63					√		√			√	
37VR039	Gaunshahar (Darbarphedi)-Jyarkhang-Bakhrejagat Road	5.78					√		√			√	
37VR040	Dhitalgaun Boharabesi Road	1.18					√		√			√	
37VR041	Gaunsahar-Bhataulagaun-Dhitalgaun-Bhakunde Road	8.13					√		√			√	
37VR042	Faliyasangu/Dalal-Banjhakhet Road	6.29					√		√			√	

Road code	Road Name	Length (km)	Start chainage (km) or XY-coordinate	End chainage (km) or XY-coordinate	Surface Type: Black Top	Surface Type : Gravel	Surface Type : Earth	All Weather	Fair Weather	Condition - Good/Fair	Condition - Poor	Condition - Temporarily Impassable	Condition - Permanently Impassable
37VR043	Lakuribot Village Road	0.44				√	√		√			√	
37VR044	Tilahar-Lakuribot Road	5.07					√		√			√	
37VR045	Saldanda - Tharchaur (Marsyangdi River) Road	0.54					√		√		√		
37VR046	Chituwaban - Saldanda Road	1.80					√		√			√	
37VR047	Faliyasangu/Dalal-Karkidanda Road	3.35					√		√		√		
37VR048	Bagaincha/Guhekhola-Tilahar Road	1.46					√		√			√	
37VR049	Shikhabesi-Arubote School Road	0.84					√		√			√	
37VR050	Sera bazar-Jitaure Link Road	0.20					√		√			√	
37VR051	Jitaure-Sangu/Majhgaun Road	0.79					√		√		√		
37VR052	Chaudili-Simalgairi-purankot Road	1.48					√		√			√	
37VR053	Kaphalswara-Daregaudnda-Chaudila-Archalyani Road	9.35					√		√			√	
37VR054	Bhakunde-Chisapani-Gahateklek-Khatrithati Road	17.64					√		√			√	
37VR055	Narwal-Jogikula Road	0.44				√	√		√			√	
37VR056	Pakhathok-Khatrigaun Road	1.12					√		√			√	
37VR057	Narwal-Pakhathok-Parajulibesi Road	5.00					√		√			√	
37VR058	Rakse- Sano Dhimire Road	1.50					√		√			√	
37VR059	Ratanpur-thulo Dhimirev Road	4.56					√		√			√	
37VR060	Udipur - Bridge (Army Camp) Road	1.12					√		√			√	
37VR061	Rithebagar-Bandrephant-Bhakunde-Tinpile/Bistathar Road	3.95				√		√			√		
37VR062	Gopaldada-Magargaun Road	1.21					√		√			√	
37VR063	Tinpile/Panditthok-Ramchokbesi Road	5.12					√		√			√	
37VR064	Tinpile - Shera Bazar (Top jungle) Road	2.36					√		√			√	
37VR065	Okhari-Shreemanjyang Road	3.26				√	√		√			√	
37VR066	Okhari school-Okhari Village Road	0.32					√		√			√	
37VR067	Okhari school-Okhari Village besi Road	0.73					√		√		√		

Road code	Road Name	Length (km)	Start chainage (km) or XY-coordinate	End chainage (km) or XY-coordinate	Surface Type: Black Top	Surface Type : Gravel	Surface Type : Earth	All Weather	Fair Weather	Condition - Good/Fair	Condition - Poor	Condition - Temporarily Impassable	Condition - Permanently Impassable
37VR068	Archalbot-Salme-Okari-Gauda Road	14.04					√		√		√		
37VR069	Gauda-Bhirkuna Road	3.15					√		√			√	
37VR070	Salme Village Road	0.17					√		√			√	
37VR071	Jogidanda-Bhaiswanra Road	0.69					√		√		√		
37VR072	Bhorleni-Bagedanda Road	3.02					√		√			√	
37VR073	Bhoteodar-Thamedanda-Nayagaun-Udipur Road	11.83					√		√			√	
37VR074	Ramadi-Thanedanda Road	4.12					√		√			√	
37VR075	Tokgaun-Dandathok-Gaunda Road	1.11					√		√			√	
37VR076	Bhangri-Borang-Pyarjung/Lamagaun Road	10.39					√		√				√
37VR077	Borang Bazar-Bhangri-Bansarbesi-Dudhpokhari (Majhigaun-Kalleri) Road	11.09					√		√			√	
37VR078	Bansar Bhanjyang-Kolki Road	1.41					√		√			√	
37VR079	Chhap-Karapu Road	4.16					√		√			√	
37VR080	Bhorletar (Ranipani)-Thuloswara-Sindure Road	8.01					√		√			√	
37VR081	Bhorletar (Ranipani)-Bangre VDC Road	5.30					√		√			√	
37VR082	Jugepani-Banspani-Neta VDC Road	7.19					√		√			√	
37VR083	Dhaguwa-Chihanpata Road	1.66					√		√			√	
37VR084	Khaneshwanra-Dhuseni VDC Road	2.31					√		√			√	
37VR085	Khaharedanda-Thakle-Ghumaune Road	3.29					√		√			√	
37VR086	Khahare-Bajarkot Road	3.67					√		√			√	
37VR087	Bhoteodear-Kusunde-Sikhara-Kharekhola Road	2.33					√		√			√	
37VR088	Belghari- Bhartebsi- Lakurebhanjyang Road	6.98					√		√			√	
37VR089	Sirubaribesi-Lamiswanra-Lakuribhanjyang Road	3.89			√			√		√			
37VR090	Sirubari-Bikharka Road	1.14					√		√			√	
37VR091	Lamiswanra-Bigraha Road	1.00			√			√		√			
37VR092	Ghokkereswora-Tarkukot-Sikhara Road	1.37					√		√			√	

Road code	Road Name	Length (km)	Start chainage (km) or XY-coordinate	End chainage (km) or XY-coordinate	Surface Type: Black Top	Surface Type : Gravel	Surface Type : Earth	All Weather	Fair Weather	Condition - Good/Fair	Condition - Poor	Condition - Temporarily Impassable	Condition - Permanently Impassable
37VR093	Shantinagar-Kharekhola Road	1.05					√		√			√	
37VR094	Harrabot (Tarkughat)-Tardikhola-Kalleri Road	3.50					√		√			√	
37VR095	Tardikhola/Bhairavsthan-Sagrabas-Kudule-Simghari Road	11.67					√		√			√	
37VR096	Bhaisara-Sagrabas Road	1.54					√		√			√	
37VR097	Majhigaun-Marsyangdi river Road	0.90					√		√			√	
37VR098	Parewadanda-Bhagirathibhanjyang-Jitakot-Samibhanjyang-Parajulibesi Road	31.48					√		√			√	
37VR099	Paundi-Sundarbazar Road	2.37					√		√		√		
37VR100	Dhamilikuwa-Chepe Sangu Road	5.65					√		√			√	
37VR101	Raypali-Shaptadhara Road	3.30					√		√			√	
37VR102	Rampani-Taple-Shaptadhara Road	3.58				√		√				√	
37VR103	Sirvani-Bhagirath Bhanjyang Road	7.20					√		√		√		
37VR104	Nawathana-Saptadhara Road	2.62					√		√			√	
37VR105	Jita-Archale-Sudhare Road	3.70					√		√			√	
37VR106	Gairi-Deurali Road	3.34					√		√			√	
37VR107	Suryapal VDC-Samibhanjyang Road	1.76					√		√			√	
37VR108	Taksar-Pandegau Road	1.59					√		√			√	
37VR109	Taksar-Tamakhani Road	1.59					√		√			√	
37VR110	Aanpchaure-Shaptadhara Road	3.52					√		√			√	
37VR111	Narayanchaur-Kirtipur Road	1.61					√		√			√	
37VR112	Parajulitar-Panchamandir Road	2.23					√		√			√	
Sub-Total (VR)		412.25											
Total		813.31											

ANNEX 6 ROAD TYPE COVERED BY VDCs (OVERALL ROAD INVENTORY)

Code	Name of Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New	VDC Covered	No of VDC
District Road Core Network (DRCN)									
37DR001	Taghring (Rambazar)-Chhapadanda VDC Road	1.22	-				1.22	Taghring	1
37DR002	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphant Road	9.94	4.79		1.44	3.35	5.15	Bahundanda, Ghermu	2
37DR003	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83	7.83			7.83		Khudi, Simpani, Ghanpokhara	3
37DR004	Khudi (Chhahare khola)-Bhulbhule VDC Road	0.73	-				0.73	Khudi, Bhulbhule	2
37DR005	Khudi-Segle (Simpani) VDC Road	5.79	4.70			4.70	1.09	Khudi, Simpani	2
37DR006	Besishahar-Chandisthan VDC Road	5.48	5.48			5.48		Besishahar, Chandisthan	2
37DR007	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.46	32.25		19.24	13.01	0.21	Besishahar, Baglungpani, Uttarkanya, Ghanpokhara, Bhujung	5
37DR008	Kadelung-Bagum (Uttarkanya) VDC Road	1.27	1.27			1.27		Uttarkanya	1
37DR009	Kapurgaun-Maling-Salmehhanjyang Road	14.77	8.90			8.90	5.87	Baglungpani, Maling, Bhoje	3
37DR010	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06	3.06	0.32		2.74		Besishahar, Banjhakhet	2
37DR011	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12	10.12			10.12		Banjhakhet, Hiletskar, Chiti	3
37DR012	Karkidanda-Majhgaun (Hiletaksar) VDC Road	2.95	2.95			2.95		Chiti, Hiletaksar	2
37DR013	Karaputar-Daduwa-Gilung-Salmehhanjyang-Pasagaun-Singdi Road	31.13	25.66			25.66	5.47	Isaneshwar, Karapu, Gilung, Bhoje, Pasagaun	5
37DR014	Salmehhanjyang-Bhojegaun VDC Road	0.98	-				0.98	Bhoje	1
37DR015	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	34.51	29.86		8.53	21.33	4.65	Gaunshahar, Nalma, Karapu, Isaneshwar	4
37DR016	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan Road	4.12	4.12			4.12		Isaneshwar, Karapu	2
37DR017	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.93	14.42		7.09	7.33	0.51	Duradanda, Chandreshwor, Dhuseni, Purankot	4
37DR018	Chihandanda-Sindure VDC Road	1.20	1.20			1.20		Purankot, Sindure	2
37DR019	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08	3.08			3.08		Neta, Bangre	2
37DR020	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53	1.53		1.11	0.42		Neta	1
37DR021	Koiralaphant-Dhuseni VDC Road	2.86	2.86			2.86		Dhuseni	1
37DR022	Siundibar-Sundarbazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	26.69	3.45	18.79	4.45		Bhoteodar, Sundarbazar, Tarku, Duradanda, Chandreshwor, Dhuseni, Neta, Bangre, Bhorletar	9
37DR023	Rithebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road	21.27	21.27			21.27		Chiti, Bansar, Faleni	3
37DR024	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43	16.43		7.10	9.33		Udipur, Chiti, Nauthar, Dhodeni	4

Code	Name of Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New	VDC Covered	No of VDC
37DR025	Sera-Shikhra-Kabakue (Nauthar) VDC Road	3.69	-				3.69	Nauthar	1
37DR026	Belghari-Archalbot-Lamabagar-Serabazar-Jitaure-Pachok Road	10.98	10.98			10.98		Archalbot, Shreemanjyang, Nauthar, Pachok	4
37DR027	Lamabagar-Shreemanjyang VDC Road	6.81	6.81			6.81		Shreemanjyang	1
37DR028	Thanti-Archalbot VDC Road	2.99	2.99			2.99		Archalbot	1
37DR029	Bhoteodar-Belghari-Bharte-Gaunda Road	17.45	15.18	0.06	0.95	14.17	2.27	Bhoteodar, Archalbot, Bharte, Gaunda	4
37DR030	Kaphalbot-Bharte VDC Road	0.20	0.20			0.20		Bharte	1
37DR031	Duipiple-Samibhanjyang VDC Road	4.72	4.72			4.72		Ramgha, Samibhanjyang	2
37DR032	Sundaradihi-Suryapal VDC Road	4.16	4.16			4.16		Suryapal	1
37DR033	Sotipasal-Taksar VDC Road	2.84	2.84			2.84		Taksar	1
37DR034	Jitatar-Shaptadhara VDC Road	3.81	3.81			3.81		Jita	1
37DR035	Khatrithati-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08	23.08	0.64	18.15	4.29		Sundarbazar, Parewadanda, Kunchha, Jita, Taksar, Suryapal, Ramgha	7
37DR036	Paundidhik-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70	52.70			52.70		Sundarbazar, Tarkughat, Mohoriyakot, Pyarjung, Gaaunda, Kolki, Ilampokhari, Bichaur, Dudhpokhari	9
37DR037	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62	2.62			2.62		Pyarjung	1
37DR038	Bansar besi-Kolki VDC Road	4.21	4.21			4.21		Kolki	1
37DR039	Samghaderi-Taji (Ilampokhari) VDC Road	3.69	-				3.69	Ilampokhari	1
37DR040	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51	5.51			5.51		Bichaur, Dudhpokhari	1
37DR041	Harrabot-Bhaisekhola Road	2.38	2.38			2.38		Tarkughat	1
37DR042	Tarkughat-Dhamilikuwa-Chakratirtha-Sahilitar-Borangkhola-Bansar besi Road	22.13	22.13		1.72	20.41		Tarkughat, Dhamilikuwa, Chakratirtha, Bhalayakharka, Kolki	4
37DR043	Sahilitar-Balayakharka VDC Road	2.66	2.66			2.66		Bhalayakharka	1
Sub-Total (DRCN)		430.97	395.44	4.47	84.12	306.86	35.53		
Urban Road (UR)									
37UR001	Besiahahar Ring Road	4.29	4.29	0.88	0.72	2.69		Besiahahar	1
37UR002	Bhoteodar Urban Road	0.32	0.32	0.32				Bhoteodar	1
37UR003	Bhakti School - Main road (Bhoteodar)	0.50	0.50	0.50				Bhoteodar	1
37UR004	Phulbari (Bhoteodar)-Marsyangdi river Road	0.51	0.51			0.51		Bhoteodar	1
Sub-Total (UR)		5.62	5.62	1.70	0.72	3.20	-		

Code	Name of Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New	VDC Covered	No of VDC
Village Road (VR)									
37VR001	Thulibesi-Dhwangkhola/Dingding Road	1.50	1.50			1.50		Bahundanda	1
37VR002	Shitaldanda-Thulibesi-Ludi Road	5.89	3.89			3.89	2.00	Bahundanda, Bhulbhule	2
37VR003	Bhulbhule-Thakanbesi Road	6.30	6.30		1.20	5.10		Bhulbhule, Bahundanda	2
37VR004	Khudi-Siurung-Shyange Road	5.20	5.20			5.20		Khudi	1
37VR005	Nayu-Ghanpokhara Road	0.80	0.80			0.80		Ghanpokhara	1
37VR006	Nayu-Ghanpokhara VDC Road	4.20	4.20			4.20		Ghanpokhara	1
37VR007	Khudi Link Road	0.46	0.46			0.46		Khudi	1
37VR008	Ghalegau-Bhalamchaur-simpani Road	6.11	6.11			6.11		Ghalegaun, Simpani	2
37VR009	Khudi-Sirbari-Chandisthan Road	4.43	4.43		3.07	1.36		Khudi, Simpani, Chandisthan	3
37VR010	Banjhakhet-Khasurbesi-Letephant-Bandre-Bhulbhule Road	9.60	5.40			5.40	4.20	Banjhakhet, Bhulbhule	2
37VR011	Simalchaur-Bhangeri Road	1.29	1.29			1.29		Bhulbhule	1
37VR012	Sirbari-Lamagaun Road	1.70	1.70			1.70		Chandisthan	1
37VR013	Chandisthan-Sumrung Road	1.48	1.48			1.48		Chandisthan	1
37VR014	Khasurbesi-Khasur-Letephant Road	5.07	5.07		4.35	0.72		Banjhakhet	1
37VR015	Khasur Village Road	0.24	0.24			0.24		Banjhakhet	1
37VR016	Deujanthok Village Road	0.22	0.22			0.22		Banjhakhet	1
37VR017	Khasurbesi -Deujanthok-Bhachokhola-Sandhu-Khache-Purano Duwar-Taksar Road	20.06	8.56			8.56	11.50	Banjhakhet, Bansar, Hiletaksar	3
37VR018	Bhachokhola - Khanche Road	5.02	5.02			5.02		Banjhakhet	1
37VR019	Duighare-Sigling Road	1.10	1.10			1.10		Faleni	1
37VR020	Masikharka-Dailung Road	1.78	1.78			1.78		Faleni	1
37VR021	Kirtipur-Chhotekhola-Taje Road	12.29	2.29			2.29	10.00	Dhodeni	1
37VR022	Kandelung-Phulmurang Road	1.61	1.61			1.61		Maling	1
37VR023	Banjhakhet-Ratmata-Sirbari-Khasurbesi Road	7.87	7.87			7.87		Banjhakhet	1
37VR024	Sirbari Village Road	0.48	0.48			0.48		Banjhakhet	1
37VR025	Devisthan - Sirbari Road	1.33	1.33			1.33		Banjhakhet	1
37VR026	Ratmate-Gaunbhachok-Taksar/Purano Duwar school Road	6.11	3.01			3.01	3.10	Banjhakhet, Hiletaksar	2
37VR027	Banjhakhet-Ghaderi Village Road	0.75	0.75			0.75		Banjhakhet	1
37VR028	Hilebesi bazar road Road	0.35	0.35			0.35		Bansar	1

Code	Name of Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New	VDC Covered	No of VDC
37VR029	Lakuribot-Purano Duwar Road	3.49	3.49			3.49		Hiletaksar, Bansar	2
37VR030	Majhgaun-Bhirkuna Road	1.93	1.43			1.43	0.50	Hiletaksar, Bansar	2
37VR031	Dhaireni-Tham Road	1.58	1.58			1.58		Hiletaksar	1
37VR032	Syaut-Duwar-Bansar-Khinchok Road	9.12	6.12			6.12	3.00	Chiti, Hiletksar, Bansar	3
37VR033	Phulingiri - Madi Road	1.07	1.07			1.07		Ilampokhari	1
37VR034	Arubote Khola - Baledanda Road	1.32	1.32			1.32		Bichaur	1
37VR035	Bichaur Bazar-Tallo Bichaur/Bhanjyang Road	1.99	1.99			1.99		Bichaur	1
37VR036	Maling VDC -Sailung Road	4.15	4.15			4.15		Maling	1
37VR037	Bimdabesi-Bimda-Shitalswara Road	4.95	2.45			2.45	2.50	Besiahahar	1
37VR038	Dehithok-Dhurpure-Bakhrejagat Road	6.83	3.63			3.63	3.20	Purankot	1
37VR039	Gaunshahar (Darbarphedi)-Jyarkhang-Bakhrejagat Road	5.78	5.78			5.78		Gaunshahar, Nalma, Purankot	3
37VR040	Dhitalgaun Boharabesi Road	1.18	1.18			1.18		Gaunshahar	1
37VR041	Gaunshahar-Bhataulagaun-Dhitalgaun-Bhakunde Road	8.13	8.13			8.13		Gaunshahar	1
37VR042	Faliyasangu/Dalal-Banjhakhet Road	6.29	6.29		1.50	4.79		Chiti, Hiletaksar, Banjhakhet	3
37VR043	Lakuribot Village Road	0.44	0.44			0.44		Hiletaksar	1
37VR044	Tilahr-Lakuribot Road	5.07	5.07			5.07		Chiti, Hiletksar	2
37VR045	Saldanda - Tharchaur (Marsyangdi River) Road	0.54	0.54			0.54		Hiletaksar	1
37VR046	Chituwaban - Saldanda Road	1.80	1.80			1.80		Hiletaksar	1
37VR047	Faliyasangu/Dalal-Karkidanda Road	3.35	3.35			3.35		Chiti	1
37VR048	Bagaincha/Guhekhola-Tilahr Road	1.46	1.46			1.46		Chiti	1
37VR049	Shikhabesi-Arubote School Road	0.84	0.84			0.84		Nauthar	1
37VR050	Sera bazar-Jitaure Link Road	0.20	0.20			0.20		Nauthar	1
37VR051	Jitaure-Sangu/Majhgaun Road	0.79	0.79			0.79		Shreemanjyang	1
37VR052	Chaudili-Simalgairi-purankot Road	5.08	1.48			1.48	3.60	Purankot	1
37VR053	Kaphalswara-Daregaudnda-Chaudila-Archalyani Road	9.35	9.35			9.35		Gaunshahar ,Purankot, Duradanda	3
37VR054	Bhakunde-Chisapani-Gahateklek-Khatrithati Road	17.64	17.64		5.00	12.64		Gaunshahar, Udipur, Tarku	3
37VR055	Narwal-Jogikula Road	0.44	0.44			0.44		Jlta	1
37VR056	Pakhathok-Khatrigaun Road	1.12	1.12			1.12		Gaunshahar	1
37VR057	Narwal-Pakhathok-Parajulibesi Road	5.00	5.00			5.00		Gaunshahar	1
37VR058	Rakse- Sano Dhimire Road	1.50	1.50			1.50		Udipur	1

Code	Name of Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New	VDC Covered	No of VDC
37VR059	Ratanpur-thulo Dhimirev Road	4.56	4.56			4.56		Udipur	1
37VR060	Udipur - Bridge (Army Camp) Road	1.12	1.12		1.12			Udipur	1
37VR061	Rithebagar-Bandrephant-Bhakunde-Tinpiple/Bistathar Road	3.95	3.95			3.95		Chiti	1
37VR062	Gopaldada-Magargaun Road	1.21	1.21			1.21		Chiti	1
37VR063	Tinpiple/Panditthok-Ramchokbesi Road	5.12	5.12			5.12		Chiti	1
37VR064	Tinpiple - Shera Bazar (Top jungle) Road	2.36	2.36		0.40	1.96		Chiti	1
37VR065	Okhari-Shreemanjyang Road	3.26	3.26			3.26		Gauda, shreemanjyang	2
37VR066	Okhari school-Okhari Village Road	0.32	0.32			0.32		Gauda	1
37VR067	Okhari school-Okhari Village besi Road	0.73	0.73			0.73		Gauda	1
37VR068	Archalbot-Salme-Okari-Gauda Road	14.04	14.04			14.04		Archalbot, Gauda	2
37VR069	Gauda-Bhirkuna Road	3.15	3.15			3.15		Gauda	1
37VR070	Salme Village Road	0.17	0.17			0.17		Gauda	1
37VR071	Jogidanda-Bhaiswanra Road	0.69	0.69			0.69		Archalbot	1
37VR072	Bhorleni-Bagedanda Road	3.02	3.02			3.02		Duradanda	1
37VR073	Bhoteodar-Thamedanda-Nayagaun-Udipur Road	11.83	11.83			11.83		Bhoteodar, Udipur	2
37VR074	Ramadi-Thanedanda Road	4.12	4.12			4.12		Bhoteodar	1
37VR075	Tokgaun-Dandathok-Gaunda Road	2.37	1.11			1.11	1.26	Gauda	1
37VR076	Bhangri-Borang-Pyarjung/Lamagaun Road	10.39	10.39			10.39		Bhalayakharka, Pyarjung	2
37VR077	Borang Bazar-Bhangri-Bansarbesi-Dudhpokhari (Majhigaun-Kalleri) Road	21.59	11.09			11.09	10.50	Bhalayakharka, Kolki, Ilampokhari, Bichaur, Dudhpokhari	5
37VR078	Bansar Bhanjyang-Kolki Road	1.41	1.41			1.41		Kolki	1
37VR079	Chhap-Karapu Road	4.16	4.16			4.16		Karupa	1
37VR080	Bhorletar (Ranipani)-Thuloswara-Sindure Road	11.01	8.01			8.01	3.00	Bhorletar, Bangre, Sindure	3
37VR081	Bhorletar (Ranipani)-Bangre VDC Road	5.30	5.30			5.30		Bhorletar, Bangre	2
37VR082	Jugepani-Banspani-Neta VDC Road	7.19	7.19			7.19		Chandreshwor, Neta	2
37VR083	Dhaguwa-Chihanpata Road	1.66	1.66			1.66		Chandreshwor	1
37VR084	Khaneshwanra-Dhuseni VDC Road	2.31	2.31			2.31		Dhuseni	1
37VR085	Khaharedanda-Thakle-Ghumaune Road	3.29	3.29			3.29		Tarku	1
37VR086	Khahare-Bajarkot Road	3.67	3.67			3.67		Tarku	1
37VR087	Bhoteodear-Kusunde-Sikhara-Kharekhola Road	3.08	2.33			2.33	0.75	Sundarbazar	1

Code	Name of Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New	VDC Covered	No of VDC
37VR088	Belghari- Bhartebesi- Lakurebhanjyang Road	6.98	6.98			6.98		Bharte	1
37VR089	Sirubaribesi-Lamiswanra-Lakuribhanjyang Road	3.89	3.89			3.89		Bharte	1
37VR090	Sirubari-Bikharka Road	1.14	1.14			1.14		Bharte	1
37VR091	Lamiswanra-Bigraha Road	1.00	1.00			1.00		Bharte	1
37VR092	Ghokkereswora-Tarkukot-Sikhara Road	1.37	1.37			1.37		Bhoteodar	1
37VR093	Shantinagar-Kharekhola Road	1.05	1.05			1.05		Bhoteodar	1
37VR094	Harrabot (Tarkughat)-Tardikhola-Kalleri Road	4.00	3.50			3.50	0.50	Tarkughat, Mohoriyakot, Bharte	3
37VR095	Tardikhola/Bhairavsthan-Sagrabas-Kudule-Simghari Road	11.67	11.67			11.67		Bharte, Mohoriyakot, Pyarjung, Mohoriyakot	4
37VR096	Bhaisara-Sagrabas Road	1.54	1.54			1.54		Mohoriyakot	1
37VR097	Majhigaun-Marsyangdi river Road	0.90	0.90			0.90		Tarkughat	1
37VR098	Parewadanda-Bhagirathibhanjyang-Jitakot-Samibhanjyang-Parajulibesi Road	31.48	31.48			31.48		Parewadanda, Kunchha, Jita, Taksar, Suryapal, Samibhanjyang	5
37VR099	Paundi-Sundarbazar Road	2.37	2.37		2.37			Sundarbazar	1
37VR100	Dhamilikuwa-Chepe Sangu Road	5.65	5.65			5.65		Dhamilikuwa	1
37VR101	Raypali-Shaptadhara Road	3.30	3.30			3.30		Jita	1
37VR102	Rampani-Taple-Shaptadhara Road	3.58	3.58			3.58		Jita	1
37VR103	Sirvani-Bhagirath Bhanjyang Road	7.20	7.20			7.20		Kunchha	1
37VR104	Nawathana-Saptadhara Road	2.62	2.62			2.62		Jita	1
37VR105	Jita-Archale-Sudhare Road	3.70	3.70			3.70		Jita	1
37VR106	Gairi-Deurali Road	3.34	3.34			3.34		Jita	1
37VR107	Suryapal VDC-Samibhanjyang Road	1.76	1.76			1.76		Suryapal, Samibhanjyang	2
37VR108	Taksar-Pandegau Road	1.59	1.59			1.59		Taksar	1
37VR109	Taksar-Tamakhani Road	1.59	1.59			1.59		Taksar	1
37VR110	Aanpchaure-Shaptadhara Road	3.52	3.52			3.52		Jita	1
37VR111	Narayanchaur-Kirtipur Road	1.61	1.61			1.61		Jita	1
37VR112	Parajulitar-Panchamandir Road	2.23	2.23			2.23		Taksar	1
Sub-Total (VR)		471.86	412.25	0.00	19.01	393.24	59.61		
Total Rural (DRCN + VR) Road		902.83	807.69	4.47	103.13	700.09	95.14		
Total		908.45	813.31	6.17	103.85	703.29	95.14		

ANNEX 7 MINUTES OF MEETINGS

(1)

आज मिति २०८०/०३/०६ बिहिवार का दिन श्रीमान् रक्षा. वि. अ. ज्यूको अध्यक्षतामाधामीन यातायात पूर्वाचार क्षेत्र समित सम्भार परिक्षण (RTI SWAP) कार्यक्रमको सहयोगमा निर्माण हुन लागेको जिल्ला सडक गुरु योजना (JAMP) सम्बन्धि परिचायकमक गोपटी निम्न उपस्थितिमा जि. वि. स. हल, बैसीशहर, लमजुङमा संचालन गरियो।

उपस्थिति :

क्र. सं.	नाम थर	सम्बन्धि संस्था वा कार्यालय	पद	हस्ताक्षर
१.	बिष्णु दत्त जीतम	जि. वि. स.	समा. वि. भ.	
२.	मेख नडा गुरु	ए. न. ड. क. (गुरु) DRECC M.		
३.	कृष्ण कटवाल	सम्भापति नेपाली कांग्रेस		
४.	मोहन हा. पाँडेल	के. ड. ड. मा. वि. स. इन्चार्ज		
५.	आर्जुन न्यौपाने	ह. वि. मा. वि. स. वि. स.		
६.	अर्जुन न्यौपाने	ने. वि. मा. वि. स. वि. स.		
७.	रा. गु. थापा	एने ड. पा. (मार्केट)	रा. ह. ल.	
८.	माल न्यौपाने	रा. ह. ल. (मार्केट)	रा. ह. ल.	
९.	रा. न. व. पाँडेल	एने ड. पा. (मार्केट)	रा. ह. ल.	
१०.	जमीनदामन घले	प्र. वि. स. भा. वि. स.		
११.	बाल न्यौपाने	रा. ह. ल. (मार्केट)	रा. ह. ल.	
१२.	ज. न. व. पाँडेल	जि. वि. स. वि. स.		
१३.	आनन्द विमले	नेपाली कांग्रेस	सचिव	
१४.	मोहन पाँडेल	जि. वि. स. वि. स.		
१५.	कृष्ण प्र. पाँडेल	नेपाली कांग्रेस	सचिव	
१६.	अजय न्यौपाने	जि. वि. स. वि. स.		
१७.	धनजय दवाडी	नेपाली कांग्रेस	सचिव	
१८.	नरेश न्यौपाने	नेपाली कांग्रेस	सचिव	
१९.	ने. वि. स. वि. स.	नेपाली कांग्रेस	सचिव	
२०.	आ. वि. स. वि. स.	नेपाली कांग्रेस	सचिव	
२१.	वि. वि. स. वि. स.	नेपाली कांग्रेस	सचिव	
२२.	ने. वि. स. वि. स.	नेपाली कांग्रेस	सचिव	
२३.	मु. वि. स. वि. स.	नेपाली कांग्रेस	सचिव	

क्र. सं.	नाम, धर	सम्बन्धित कार्यालय	पद	हस्ताक्षर
24.	हार्दिकदास दास	महापाठ्यालय	अध्यक्ष	(हार्दिकदास)
25.	जुनार लालदास	कोषागार (प.मं)	अध्यक्ष	(जुनार)
26.	पद्मिनीदास दास	कोषागार	कोषागार	(पद्मिनी)
26.	जोहना सिवारी	अभिलेख	अध्यक्ष	(जोहना)
27.	गौर गौर	अभिलेख	अध्यक्ष	(गौर)
28.	रामदास जीविका	महापाठ्यालय	अध्यक्ष	(रामदास)
29.	शुभमदास दास	अभिलेख	अध्यक्ष	(शुभमदास)
30.	जयदास दास	प.मं. (अभिलेख)	अध्यक्ष	(जयदास)
31.	नामगणेश लाल	चिन्ता	अध्यक्ष	(नामगणेश)
32.	लालदास दास	महापाठ्यालय	अध्यक्ष	(लालदास)
33.	पद्मदास दास	महापाठ्यालय	अध्यक्ष	(पद्मदास)
34.	गणेशदास दास	महापाठ्यालय	अध्यक्ष	(गणेशदास)
35.	अनुराध कलरोषा	कोषागार	कोषागार	(अनुराध)
36.	जयनदास दास	अभिलेख	अध्यक्ष	(जयनदास)
37.	गणेश प्रसाद देव	महापाठ्यालय	अध्यक्ष	(गणेश प्रसाद)
38.	प्रमोद दास	अभिलेख	अध्यक्ष	(प्रमोद)
39.	शुभ नारायण सण्डल	अभिलेख	अध्यक्ष	(शुभ नारायण)
40.	विश्वनाथ उम्रेती	अभिलेख	अध्यक्ष	(विश्वनाथ)
41.	हरिदास दास	अभिलेख	अध्यक्ष	(हरिदास)

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आज्ञा मिति २०७०।४।१४ गते मङ्गलबार श्रीमान
स्वा. बि. अ. ज्यूको अध्यक्षतामा ग्रामीण यातायात पूर्वो-
चार क्षेत्र समित सम्भार परिक्षण (RTI Maintenance
pilot SWep) कार्यक्रमको सहयोगमा Updaining ATM
को लागि Step-२ अन्तर्गत DRCN (जिल्ला सडक
मुख्य सञ्जाल) को नयाँ Policy अनुसार नामाकरण
(Name of DRCN) गर्ने तपस्वीलका ATICC र DDC
लमजुङ्ग बीच कलकल गरी अन्तिम निर्णय गर्ने
यस जि. बि. स. लमजुङ्ग हलमा उपस्थिती बसे।

तपस्वील :

क्र.सं.	नाम घर	सम्बन्धि संस्था/कार्यालय	पद	हस्ताक्षर
१.	विष्णु दत्त जीतम	जि. बि. स.	स्वा. बि. अ.	
२.	कृष्ण के. खड्का	नेपाली कांग्रेस	सभापति	
३.	पालचन्द्र श्रेष्ठ	अ. पू. दा.	अध्यक्ष	
४.	मोहन हरी पौडेल	ने. ड. दा. - मा. के. व. पी	इन्चार्ज	के. दा. पी
५.	अश्विन् खड्का	" " "	सचिव	
६.	सतीश प्रसाद तामाङ	" " "	स. सचिव	
७.	प्रेम वल्लभ गडारी	ए. जे. ड. व. (भा. के. व. पी)	वी. स. सचिव	
८.	राजु थापा	" " "	" " "	
९.	कृष्ण शम्शेर खड्का	नेपाल स्नातक संघ	सचिव	
१०.	धनराज दाहा	नेपाल (ए. के. व. पी) समिति	अध्यक्ष	
११.	बामदेव पौडेल	जिल्ला प्राविधिक क.	डी. डी. नि. नि.	
१२.	सिंह व. थापा	नेपाल (ए. के. व. पी) समिति	सचिव	
१३.	हरि चन्द्र खड्का	जिल्ला विद्युत वितरण कार्यालय	स. सचिव	
१४.	जी प्रसाद खड्का	जिल्ला विकास समिति	ई. स.	
१५.	पासाङ तिरत	जिल्ला विद्युत समिति	अ. स. स. स.	
१६.	प्रदीप शम्शेर	जि. बि. स. का. लमजुङ्ग	अ. स. स. स.	
१७.	हरि कुमार श्रेष्ठ	" " "	स. स. स.	
१८.	शम्भु प्रसाद शम्शेर	" " "	स. स. स.	
१९.	महेन्द्र पौडेल	" " "	वी. स. स.	
२०.	गणेश श्रेष्ठ	ने. ड. दा. - मा. के. व. पी	जि. डी.	

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क्र.सं.	नाम धर	सम्बन्धित संस्था/ कार्यालय	पद	हस्ताक्षर
२१	अजित त्योंपले	त्रिविध तमगुड	पो-अ.	५
२२	नरक वहादुर चले	प्रमाले	सदस्य	चिपु
२३	सुनार तमकु,	"	"	सुनार
२४	फुला वहादुर थापा	कोल्की	कोल्की	मम
२५	जय वहादुर थापा	नेकपा एमाले उपाध्यक्ष	नेता	जय
२६	रमजगज कडिया	विशीश्वर	विशीश्वर	रमजगज
२७	नवहृत त्रिपाठी	नेकपा एमाले	सदस्य	नवहृत
२८	पद्मराज कुँल	नेकपा एमाले	सदस्य	पद्मराज
२९	देव वहादुर गुड्डा	होमल रीथ	कारकुछाट	देव
३०	देव वहादुर चले	चिता	चिता	देव
३१	देव वहादुर चले	वंशी (माले)	अध्यक्ष	देव
३२	गुणकुमार गुड्डा	नेपली कंग्रेस	सदस्य	गुण
३३	कमराज शिवाकनर	नेकपा एमाले	सदस्य	कमराज
३४	गोप गुड्डा	सप्रध (नेव)	सदस्य	गोप
३५	पविता तिवारी	रवतकठ	सदस्य	पविता
३६	जलवहादुर थापा	नेकपा एमाले	सदस्य	जल
३७	सुहाण गुड्डा	नेकपा (एम)	कोल्की	सुहाण
३८	मोहरथ तामाङ	नेकपा (भा)	उदियुश	मोहरथ
३९	मोहद कुमाय थापा	नेत्री स्टा. माली	इनिजियर	मोहद
४०	शुभ नारायण मण्डल	नर्थ स्टार उ.क. (माली)	इनिजियर	शुभ
४१	Shivoo Namu	Namshel	(JIS) उपनयन	शिवू
४२	गणेश प्रसाद ईश्वर	नर्थ स्टार ई. कुसनेली	Team Lead	गणेश

निर्णय नं. १ यस बैठकले तल निम्न तपसिलका DRCN (संशोधित) नामाकरणको रूपमा कर्नेट गर्ने निर्णय गरियो।

District Road Core Network (DRCN), Lamjung District

F/Y - 2070/71

SN	Name of DRCN Roads	Total length (Km)	Total Existing length (Km)	BT	GR	ER	New
1	Taghring (Rambazar)-Chhapadanda VDC Road	1.22	-				1.22
2	Thakanbesi-Shitaldanda-Bahundanda-Ghermuphar Road	9.94	4.79		1.44	3.35	5.15
3	Khudi-Bhache-Ghimarang-Ghanpokhara VDC Road	7.83	7.83			7.83	
4	Khudi (Chahare khola)-Bhulbhule VDC Road	0.73	-				0.73
5	Khudi-Segle (Simpani) VDC Road	5.79	4.70			4.70	1.09
6	Besishahar-Chandisthan VDC Road	5.48	5.48			5.48	
7	Besishahar-Baglungpani-Kapurgaun-Bhujung Road	32.46	32.25		19.24	13.01	0.21
8	Kadelung-Bagum (Uttarkanya) VDC Road	1.27	1.27			1.27	
9	Kapurgaun-Maling-Salmebhanjyang Road	14.77	8.90			8.90	5.87
10	Besishahar-Banjhakhet-Bhachokbesi VDC Road	3.06	3.06	0.32		2.74	
11	Banjhakhet-Hile-Karkidanda-Chiti Tilahar Road	10.12	10.12			10.12	
12	Karkidanda-Majhgaun (Hiletsar) VDC Road	2.95	2.95			2.95	
13	Karaputar-Daduwa-Gilung-Salmebhanjyang-Pasagaun-Singdi Road	31.13	25.66			25.66	5.47
14	Salmebhanjyang-Bhojegaun VDC Road	0.98	-				0.98
15	Ranikuwa-Gaunshahar-Nalma-Rambazar (Karaputar) Road	34.51	29.86		8.53	21.33	4.65
16	Rambazar-Bhantbesi-Kalyan-Majuwa-Rudi Dovan MHP Road	4.12	4.12			4.12	
17	Bakhrejagat-Purankot-Chihanpata-Satrasaya Road	14.93	14.42		7.09	7.33	0.51
18	Chihandanda-Sindure VDC Road	1.20	1.20			1.20	
19	Neta (Jyamirebhanjyang)-Thansingkot-Bangre VDC Road	3.08	3.08			3.08	
20	Bimirebhanjyang-Jyamirebhanjyang-Neta VDC Road	1.53	1.53		1.11	0.42	
21	Koiralaphant-Dhuseni VDC Road	2.86	2.86			2.86	
22	Siundibar-Sundarabazar-Khatrithanti-Satrasaya-Bimirebhanjyang-Bhorletar Road	26.69	26.69	3.45	18.79	4.45	
23	Rothebagar-Tiwaridanda-Tinpiple-Tilahar-Hilebesi-Faleni Road	21.27	21.27			21.27	
24	Udipur-Ramchokbesi-Nauthar Sera-Kirtipur Road	16.43	16.43		7.10	9.33	
25	Sera-Shikha-Kabakue (Nauthar) VDC Road	3.69	-				3.69
26	Belghari-Archalbot-Lamabagar-Serabazar-Jitaur-Pachok Road	10.98	10.98			10.98	
27	Lamabagar-Shreemanjyang VDC Road	6.81	6.81			6.81	
28	Thanti-Archalbot VDC Road	2.99	2.99			2.99	
29	Bhoteodar-Belghari-Bharte-Gaunda Road	17.45	15.18	0.06	0.95	14.17	2.27
30	Kaphalbot-Bharte VDC Road	0.20	0.20			0.20	
31	Duipiple-Samibhanjyang VDC Road	4.72	4.72			4.72	
32	Sundaradihi-Suryapal VDC Road	4.16	4.16			4.16	
33	Sotipasal-Taksar VDC Road	2.84	2.84			2.84	
34	Jitatar-Shaptadhara VDC Road	3.81	3.81			3.81	
35	Khatrithanti-Kunchha Bhanjyang-Sotipasal-Sundaradihi-Duipiple Road	23.08	23.08	0.64	18.15	4.29	
36	Paundidhi-Harrabot-Kuwapani (Mohoriyakot)-Pyarjung-Gaunda-Ilampokhari-Bichaur-Dudhpokhari-Kunaghat Road	52.70	52.70			52.70	
37	Kokegaun-Lamagaun (Pyarjung) VDC Road	2.62	2.62			2.62	
38	Bansakbesi - Kolkayac	4.21	4.21			4.21	
39	Samghaderi-Taji (Ilampokhari) VDC Road	3.69	-				3.69
40	Thanti-Kallabari (Dudhpokhari VDC)-Phiripaincho MHP Road	5.51	5.51			5.51	
41	Harrabot-Bhaisekhola Road	2.38	2.38			2.38	
42	Tarkughat-Dhamliikuwa-Chakratirtha-Sahilitar-Borangkhola Road	22.15	22.15		1.72	14.25	
43	Sahilitar-Balayakharka VDC Road	2.66	2.66			2.66	
Note: Road length of S.N. 42 has been extended		Total =		4.47	84.12		35.53

up to 6.16 km more. 430.37, 335.14 306.86

2060/2/19

निर्णय नं. २ :

तपसील का VRCN पैन जारी फरपॉइन्ट को लाधि कनौट छोड़ निर्णय करियो ।

- १) भलामचौर (सिन्धु) - चनेगाउँ सड़क
- २) तिलहार - चिसापानी - माकुगाउँ - टकुसार - पुराने द्वार - गाउँथोक - बैसीशहर सड़क
- ३) खहरे - तार्कगहते - चिसापानी - गाउँबाहर सड़क
- ४) खुडी - भलामखोला - नजरे - कपुरगाउँ सड़क
- ५) भैलेंदर - बाबैबैसी - हाडीखोला (आसिफाँट) - सिन्दुरे
- ६) मिदिम कोरिडर सड़क
- ७) कपुरगाउँ - फलौमी - खगुम - तन्लोगाउँ सड़क
- ८) खुडी - सिउँरुङ्ग - सांगे सड़क
- ९) धुरपुर - दुईथोक - बारखेजगत सड़क
- १०) बिन्दाबैसी - सितलखाँरा सड़क
- ११) भकुवडे - चिसापानी - ट्याउँडिला - पुरानेकोट सड़क
- १२) चिसापानी - चार्कुकोट - खत्रीठाटी सड़क
- १३) अर्थनकोट - साकमे - डौंडा सड़क
- १४) भैरबस्थान - कुडुले - सिमघारी - पातबैपानी सड़क
- १५) बौराङ्ग खोला - प्यारजुङ्ग सड़क
- १६) खाना - कावे - बिन्चौर सड़क
- १७) भलायखर्क - पन्धैडाँडा - आढखाँरा सड़क
- १८) अल्कादार - दाँडखर्का - बौहरागाउँ - मोहोरिथाकोट
- १९) चामिलीकुवाँ - लुपु सड़क
- २०) रथाउतदुवार - बन्सार खिन्चोक टाप सड़क
- २१) भलामखोला - चन्डीस्थान - नजरे कपुरगाउँ सड़क
- २२) जितौरै - लामा भञ्ज्याङ्ग - औरखरी सड़क
- २३) बैलघारी - महादेवस्थान - सखवास सग्रवास - साततल्ले - कुडुले - सिंगारी प्यार्जुन सड़क (२० कि.मी.)

विपक्षीय
२०६०/८/१५

N. Mandel

आज मिति २० ७०/२/१८ गते मङ्गलबार, श्रीमान रुधा. वि. अ. ज्यूको अध्यक्षतामा RTI Section Meeting/regular meeting (DOLIDAR) को सहयोगमा निर्माण हुन लागेको जिल्ला यातायात गुरु योजना, DTMF उपबन्धन २०१३ बमोजिम तयार भएको हुनाले यसलाई अन्तिम रूप प्रदान गर्ने जि. वि. स. पदाधि. कारी, राजनैतिक हुन एवं सरकारी कारवाहीको संयुक्त बैठक तपसिल बमोजिमको उपस्थितिमा बसि फलफल गरि निर्णय गरियो ।

उपस्थितिहरू :

क्र. सं.	नाम, थर	सम्बन्धित संस्था वा कार्यालय	पद	हस्ताक्षर
१.	विष्णुदत्त गौतम	जि. वि. स.	रुधा. वि. अ.	
२.	धनञ्जय देवाडी	अध्यक्ष	नेप्पा (रुधा)	
३.	रामु थापा	रा. ए. ७	एजेन्डा/प्रिजिडिन्ट	
४.	शेखर बस्नेत	ए. नै. क. ग. प. क. म. म.	प्रतिनिधि	
५.	मोहन बस्नेत	अध्यक्ष	ल. ड. वि. स. स.	
६.	कुलकर्णी कोइराला	नेपाली कांग्रेस	सभापति	
७.	आनन्द विमर	" "	सचिव	
८.	महेन्द्र पौडेल	जिविपकोटी	कार्यकारी अधिकृत	
९.	सिंह अ. थापा	ने. क. पा. ला. म. क. म. म.	कार्यकारी अधिकृत	
१०.	विष्णु बस्नेत	ने. क. पा. ला. म. क. म. म.	जि. स.	
११.	बाबु बस्नेत	रा. प्र. प. म.	अध्यक्ष	
१२.	महेन्द्र बस्नेत	जि. वि. स. क.	म. स. स.	
१३.	बामदेव पौडेल	त्रिभुवा प्राविधिक	डी. नि. नि. स.	
१४.	श्री प्रसाद बुढा	" "	" "	
१५.	हरिकुमार बस्नेत	" "	प्रवक्ता	
१६.	आम बस्नेत	" "	नायक/सदस्य	
१७.	लक्ष्मण लोडारी	जि. वि. स.	" "	
१८.	जय राम श्रेष्ठ	जि. प्राविधिक	जि. नि. नि. स.	
१९.	गणेश प्रसाद बस्नेत	North Star Consultant (P)	Team Leader	
२०.	शुभ नारायण मण्डल	North Star	Engineer	
२१.	कुलबहादुर थापा	कोल्की	सुब्बा (न. स.)	
२२.	कृष्णहर बस्नेत	जि. प्रा. क.		

स्थानीय समुदायों को लागत सहभागिता
या शहरोन्मुख क्षेत्रों में सड़क कालोपत्र करने सहित
ए के सी डिस्ट्रिक्ट रोड कॉन्सर्वेशन (DRCA)
अन्तर्गत सड़क हदलाई सहित कालोपत्र करने सहित
देखवाड़ों को सड़कलागत अनुमान सहित संलग्न करी
प्रतिवेदन सभावेग में निर्णय करेगा।

जिल्लाने राणीतिक महत्त्व राखेका क'डीका छेनीम सडकहरूलाई जिल्ला यातायात सुदयोजना (JAMP) मा समावेश गर्ने निर्णय गरिमा

કોડનં ૭, ૧૩, ૧૬, ૨૨, ૨૩, ૨૪, ૨૬,
૩૬, ૩૬ ૨ ૪૨ કુ સડકહડનારે કાલોપરે ગઈ વડકડી
સુચીમાં લખાયા ગઈ નિર્ણય ગારિયો ।

उपरोक्त उल्लेखित विषयसंबंधी
जमावेचा गॅरं गडी जिल्हा यातायात गुरु योजना
(JAMP) स्वीकृत गॅरं निर्णय जाहीस ।

21/4/2022

[Handwritten signatures and marks]



नेपाल सरकार
संघीय मामिला तथा स्थानीय विकास मन्त्रालय
जिल्ला विकास समितिको कार्यालय
लमजुङ, बेसीशहर
(..... प्रशासन शाखा)

०१९-२०१४
०१९-२०१४
प्यासः ०६९-२०२८९

पत्र संख्या : ०३०/०३१

मिति: २०३०/०५/१८

च.न. :

✓ श्री RTI Sector Maintenance Pilot Program (DoLIDAR)

पुल्चोक, ललितपुर ।

विषय: जिल्ला यातायात गुरु योजना (DTMP) सम्पन्न गरिएको बारे ।

महोदय,

उपरोक्त सम्बन्धमा, RTI Sector Maintenance Pilot Program (DoLIDAR) र नर्थ स्टार इन्जिनियरिङ कन्सल्टेन्ट प्रा.लि. बिच भएको सम्झौता अनुरूप यस जिल्लामा भएका सडकहरूलाई District Road Core Network (DRCN) पहिचान गरी मिति २०३०/०५/१८ मा सम्पन्न अन्तिम चरणको गोष्ठीद्वारा यसैसाथ संलग्न सुझावहरूलाई समेत अन्तिम प्रतिवेदनमा समावेश गर्ने गरी जिल्ला यातायात गुरु योजना (DTMP) पारित भएको व्यहोरा जानकारीको लागि अनुरोध गरिन्छ ।

२०३०/५/१८
विष्णु दत्त गौतम
स्थानीय विकास अधिकारी

बोधार्थ,

श्री स्थानीय पूर्वाधार विकास तथा कृषि सडक विभाग ।

श्री जिल्ला प्राविधिक कार्यालय, लमजुङ ।

श्री नर्थ स्टार इन्जिनियरिङ कन्सल्टेन्ट प्रा.लि., चाकुपाट, ललितपुर ।

* कृषि जडिबुटी र जलधोत-लमजुङको आधार दीर्घकालिन दृष्टिकोण-नारीबी विचारण र रोजगार *

ANNEX 8 SEALING OF LAMJUNG:

FISCAL YEAR- 2070/71

आ. व. ०७०/७१ मा सङ्घीय मामिला तथा स्थानीय विकास मन्त्रालय अन्तर्गत सञ्चालित कार्यक्रमहरूको जिल्लागत बजेट बाँडफाँड

लमजुङ

रकम रु. हजारमा

कार्यक्रमको नाम	समग्र		
	बाबु	पुर्वी	अ. जम्मा
जिल्ला विकास समिति अनुदान	२२६८२	१४९४६	४०६२८
गाउँ विकास समिति अनुदान	२२७८१	१०९९७	३३७८९
नगरपालिका अनुदान	०	०	०
मौट्टी दशैं पर्वटोच तथा भुम्बा विकास समिति	१०४४	०	१०४४
वासवासीका तथा महिलाको लागि विकेन्ट्रीत कार्य योजना	०	०	०
उपस्थित, उपस्थित तथा दलित वर्ग उपस्थित तथा विकास कार्यक्रम	०	४००	४००
पिछडिएको समुदाय उत्थान विकास समिति	०	०	०
दुर्गम एवं विशेष क्षेत्र विकास कार्यक्रम	०	११४	११४
स्थानीय स्तरका सडक पुर्त तथा सामुदायिक पहुँच सुधार कार्यक्रम	०	८३४२	८३४२
पश्चिम क्षेत्रको तथा सरसफाई योजना	०	१९९८	१९९८
पश्चिम सामुदायिक पुर्तधार विकास कार्यक्रम	०	०	०
जिल्ला सडक सडकीय कार्यक्रम	०	०	०
स्थानीयस्तरमा बातावरण व्यवस्थापन सुदृढीकरण कार्यक्रम (क्षेत्रीय फोहरमेला व्यवस्थापन कार्यक्रम)	०	०	०
दुर्गम एवं विशेष क्षेत्र विकास कार्यक्रम	०	०	०
विकेन्ट्रीत पश्चिम पुर्तधार तथा जीविकोपार्जन सुधार कार्यक्रम	१७९९	१२००७	१३८०६
पश्चिम पुर्तधार तथा विकेन्ट्रीकरण परियोजना	३६९४	०	३६९४
स्थानीय बातावरण पुर्तधार क्षेत्र विकास कार्यक्रम	१०९९१	२१०	११२०१
पश्चिम पुर्तधार तथा पुर्तधार क्षेत्र विकास योजना	०	०	०
पश्चिम पुर्तधार कार्यक्रम	०	०	०
जिल्लास्तर सुधारका लागि स्थानीय पुर्तधार कार्यक्रम	०	०	०
स्थानीय उपसुधारका लागि क्षेत्रीय योजना	०	०	०
पश्चिम क्षेत्रको विकास योजना तथा सरसफाई कार्यक्रम	०	०	०
क्याम्प रोडधार कार्यक्रम	०	०	०
स्थानीय विकास शुल्क क्षेत्र	०	०	०
आदिवासी जनजाति उत्थान र पोषाङ विकास कार्यक्रम	२०९	०	२०९
सामुदायिक सिपाई	०	०	०
सन्तान सिपाई नदर नियन्त्रण तथा अन्य पुर्तधार	३०००	०	३०००
सुनीला हजार दिग	०	०	०
स्थानीय स्तरका तथा सामुदायिक विकास कार्यक्रम	२०९७०	०	२०९७०
जम्मा	९४७४८	२९२६४	१२४०१२

NAMASKAR

Ashis Thapa Magar
Engineer
Division Road office,
Damauli

Regional Roads

Sl. No.	Name of Project	Allocated Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
1	Turtule Syulitar Dhodhpokhari Road	13000	km	3.9 Track 1.5 Gravel	90.68	9433	68.3	✓
2	Kataputar Nalwa Bardahar Road	3000	km	0.7 Track 0.2 Gravel	84.25	3209	86.0	✓
3	Sundar Bazar Kharithathi padini Bhorlebar Road	3000	km	1.5 Track 1.3 Gravel	81.86	3413	89.8	✓

Tourist/Urban Roads

Sl. No.	Name of Project	Allocated Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
1	Khadi Panchow Bharanchar Ghalgaun	1900	km	2.3 Track	91.01	1736	91.37	✗
2	Bejagar King Road	1000	km	7.5 Home Pipe Culvert	85.81	1000	100	✓

District Roads

Sl. No.	Name of Project	Allocated Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
1	Pokhari Tashaa Khamruk Jalkuti road	700	km	1 Track	54.85	365	52.14	✗
2	Sitrasaya Archalanyi Milanchowk Changpa	700	km	1.5 Track 0.13 Stone Soling	96.32	627	89.57	✓
3	Dulpiple Kanchha Sunder Bazar Road	900	km	0.16 Premix Carpet	100	840	93.33	✓

District Roads

Sl. No.	Name of Project	Allocated Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
4	Bhorlebar Bandee sindhulihaaga bhujang Road	700	km	1.5 Track	83.48	627	89.57	✓
5	Kataputar Sanehanjyang Road	600	km	0.7 Track	100	600	100	✓
6	Tarkaghat Dhamlikawa Road	1500	km	0.75 Gravel & Home pipe culvert	100	1100	73.33	✓

District Roads

Sl. No.	Name of Project	Allocated Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
7	Belghari Lamabagar Pachowk Road	3000	km	1 Track 1 Gravel	63.5	1551	51.70	✓
8	Simpali Ghalgaun Road	600	km	1 Track	100	600	100	✓
9	Dulpiple Kanchha Sunder Bazar road (Upgrading)	900	km	0.2 Premix Carpet	100	900	100	✓

District Roads

Sl. No.	Project Name	Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
10	Bhotevadar Purana Bazar TTP	1000	Km	0.32 Paved	100	785	49.06	X
11	Kithabagar Paliyananga chini Tilahar + Bridge Protection	2000	Km	0.2 Track	100	1762	87.30	✓

District Roads

Sl. No.	Project Name	Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
12	Chamante Rachi Khok Bichare Bhotevadar Road	700	Km	1.3 Track	100	606	86.43	X
13	Belghari Bharte Gauda Daulghari Road	700	Km	1 Track	100	570	81.43	✓

Total = 33,800

Bridge Projects

Sl. No.	Project Name	Budget (Rs. Lakhs)	Physical Progress			Financial Progress		Remarks
			Unit	Quantity	%	Amount	%	
1	Marynadi Bridge at Bhotevadar	4000	60 m	Truss deck slab	71.85	-	-	37.27 % X
2	Marynadi Bridge at Bhajakhedi	14000	60 m	Right Abutment	100	12871	91.93	33.34 % X
3	Dandi Bridge	4000	60 m	Right Abutment	90.65	3600	90.25	25.55 % X
4	Pavali Bridge	4000	75 m	Steel fabrication	83.31	1899	47.48	22.16 % X

Major Achievements

-
-
-

Major Challenges

-
-
-

Thank you
Any queries??????

आ.व. ०७०७१ को प्रस्तावित वार्षिक कार्यक्रम तथा बजेट (रकम रु हजारमा)

क्र.सं.	कार्यक्रम/योजनाको नाम	प्रस्तावित रकम	कैफियत
घ	सडक बोर्ड नेपाल (जिविस समपुरक कोष बाहेक)	१९००	पूर्वाधार
१	सत्रसय च्यानपाटा सिन्दुरे बाग्लुङपानी सडक		
२	भकुण्डे चिसापानी गहते तार्कु सडक		
३	बेलघारी भार्ते गौडा सडक		
४	सोतीपसल जीताकोट बिमिरेभञ्ज्याङ नेटा सडक		
५	खुदी सिउरुङ स्यांगे सडक		
६	खुदी घनपोखरा नायुँ सडक		
७	कन्टिन्जेन्सी	१००	संस्थागत
जम्मा		२०००	

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वार्षिक जिल्ला विकास योजना, लमजुङ (आ.व. २०७०/०७१)

छ	विकेन्द्रित ग्रामीण पूर्वाधार तथा जीविकोपार्जन सुधार कार्यक्रम (DRILP-AF)	५००००	पूर्वाधार
१	सुन्दरबजार कुन्छा दुइपिप्ले सडक स्तरोन्नती	३२५००	
२	तार्कुघाट मोहोरियाकोट गौडा दुधपोखरी सडक	१७५००	
३	साल्मेभञ्ज्याङ घाम्राङ सडक	१००००	
४	तार्कुघाट (भैसेखोला) घमिलीकुवा सडक मर्मत	१५००	
५	रानीकुवा गाउँशहर बाखेजगत नाल्मा सडक मर्मत	१५००	
६	विभिन्न सडकहरुको नियमित मर्मत	२०००	
७	परामर्श सेवा	७०००	
८	भोलुंगे पुलहरु	५०००	
जम्मा		५००००	

वार्षिक जिल्ला विकास योजना, लमजुङ (आ.व. २०७०/०७१)

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७	विद्युत रोयल्टी व्यवस्थापन		
२	स्थानीय यातायात पूर्वाधार	५०००	पूर्वाधार
२१	करापुटार साल्मेभञ्ज्याङ सिङ्दी सडक	२५००	
२२	उदिपुर चिती तिलाहार हिलेबेसी फलेनी सडक	२५००	
जम्मा		५०००	

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वार्षिक जिल्ला विकास योजना, लमजुङ (आ.व. २०७०/०७१)

गाविसहरुको आ.व.२०६९/७० को समष्टिगत प्रगति विवरण

क्र. सं.	विवरण	आय रकम रु.	व्यय रकम रु.	मौज्दात रु.	कैफि यत
ग	पूँजीगत कुल जम्मा (लक्षित + अन्य)				
१	यातायात पूर्वाधार योजना	१५९	२३८७०१३७	२७५८	
२	खानेपानी तथा सरसफाई	१८८	११३९०५२२	१३१६	
३	कृषि, पशु वन भू संरक्षण	१८१	७६१७००७	८८०	
४	उर्जा (विद्युतीकरण, बैकल्पिक उर्जा)	५०	६२०६७९१	७१७	
५	सिंचाई	४३	१३९१८५३	१६१	
६	शिक्षा	२१७	१३८१०३१७	१५९६	
७	स्वास्थ्य	७६	४१६५२६३	४८१	
८	सामुदायिक भवन	१०८	४५१२८५१	६३७	
९	विविध (खेलकुंद, पर्यटन, तालिम आदि)	३३५	१२५८२६७५	१४५४	
	कुल जम्मा	१३५७	८६५४७४१६	१००	
ग	आ.व.०६९/७०का प्रमुख उपलब्धीहरु (गाविसको पूँजीगत श्रोतले गरेको मात्र)				
क्र.सं.	कार्यक्रम तथा योजनाको नाम	संख्या			
१	सडक ट्रयाक खोल्ने कार्य कि.मी.	२५			
२	सडक ग्राभेल कि.मी.	८			
३	सडक मर्मत तथा स्तरोन्नती कि.मी.	१३३			
४	खानेपानी धारा संख्या	३५४			
५	विद्युत बाल्ने घरघुरी संख्या	१३९५			
६	सिंचाई हेक्टर	२१			
७	भवन कोठा संख्या	१२०			
८	साभेदारीमा गरेका योजना तथा	५२			
घ	घटना दर्ता (२०६९ साउनदेखि २०७० असार मसान्तसम्मको) संख्या				
क्र. सं.	घटना दर्ताको विवरण	महिला	पुरुष	जम्मा	
१	जन्म	५२७३	५४२८	१०७०१	
२	मृत्यु	४३०	७०५	११३५	
३	विवाह	२२६४		२२६४	
४	सम्बन्ध विच्छेद	१९		१९	
५	बसाई सराई जम्मा दर्ता संख्या	६४१		६४१	
५१	आएको व्यक्ति संख्या			९५१	
५२	गएको व्यक्ति संख्या			१६८६	
ङ	पेशकी तथा बेरुजु विवरण	रकम			
५१	गत आ.व. सम्मको कुल पेशकी बेरुजु	११०६७९०६			

ANNEX 9 BUDGET AND PROPOSED URBAN ROADS

Budget Allocation for Urban Roads, Lamjung (in NPR '000)

S.N.	Funding source	2070/071	2071/072	2072/073	2073/074	2074/075
1	Urban Development & Building program	2500	2750	3025	3327.5	3660.25
2	DOR	1000	1100	1210	1331	1464.1
Total		3500	3850	4235	4658.5	5124.35
Grand Total		21367.85				

Proposed Name Lists of Urban Roads

- 1 Besishahar Ring Road
- 2 Phulabari Chowk - Marshyandi Bridge Road
- 3 District Administration Office - Osis Boarding School Road
- 4 District Administration Office - towards to Khudi Road
- 5 New road - Okhalephant Road
- 6 Jhyngkhola - Phulabari Manch Road
- 7 Shahid Statue-Bidhyabikas Road
- 8 Balmandir Road
- 9 Bankchowk-Bhujung Road
- 10 Managechautara-Welfare Road
- 11 Yathobraham Chowk-Binayak Road
- 12 Karagar Shakha-Mahadeb Temple Road
- 13 Majuwa Khola-Seraphant Road
- 14 Majuwa Khola-Bhaluwatar-Manangechautara Road
- 15 Manang Marga-Playground-Bus stand Road
- 16 Jhingekhola-Bal Mandir Road
- 17 Besishahar-4 Sahaji Play ground-Ram Mandir Thulodhunga Chandisthan Link Road
- 18 Besishahar-9 Malamichaur-Karporeshwar Mahadeb Mandir Road

ANNEX 10 PHOTOGRAPHS



01: Briefing about DTMP on 1st seminar, Lamjung.



02: Briefing about DTMP on 1st seminar, continued



03: GPS tracking and detailing by the technician



04: Earthen road requiring widening and maintaining



05: Drain formed on the road surface due to water flow.



06: Earthen road with dense marsh over it.



07: Requirement of cross drainage structure.



08: Crumbled road structure due to heavy rain flow.



09: Requirement of embankment work on the road.



10: Trees slided over the road



11: 2ND Seminar, Lamjung.



12: 2ND Seminar, Lamjung.



13: DTMP Final Work Shop,Lamjung.



14: Presentation of Draft DTMP.



15: Presentation of Draft DTMP.



16: DE presenting his views on DTMP



17: DE's remarks DTMP, Lamjung.



18: LDO's remarks DTMP, Lamjung.