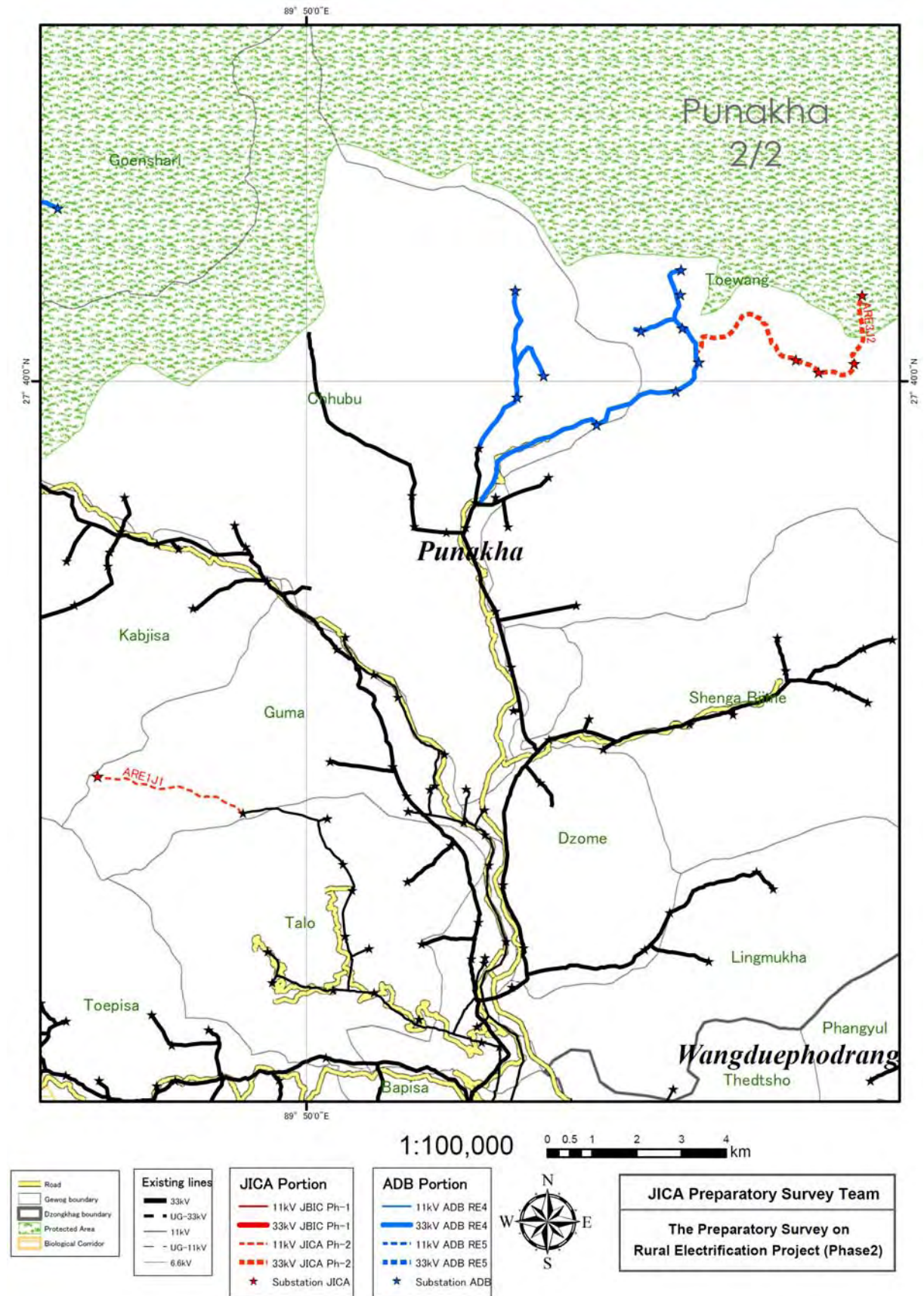


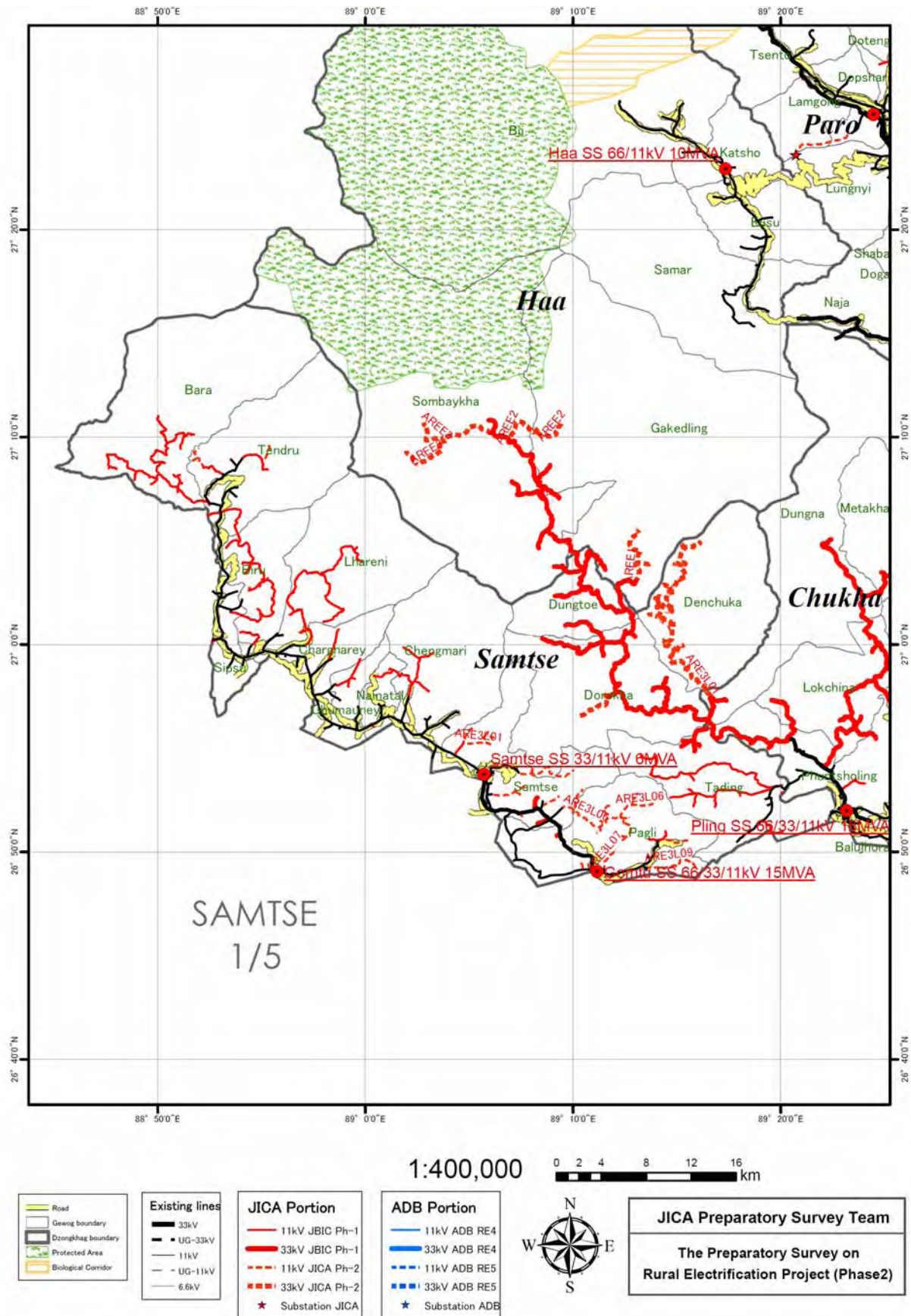
Prepared by JPST

Figure-A7 Distribution Line Figure of Punakha (1/2) (Overall view)



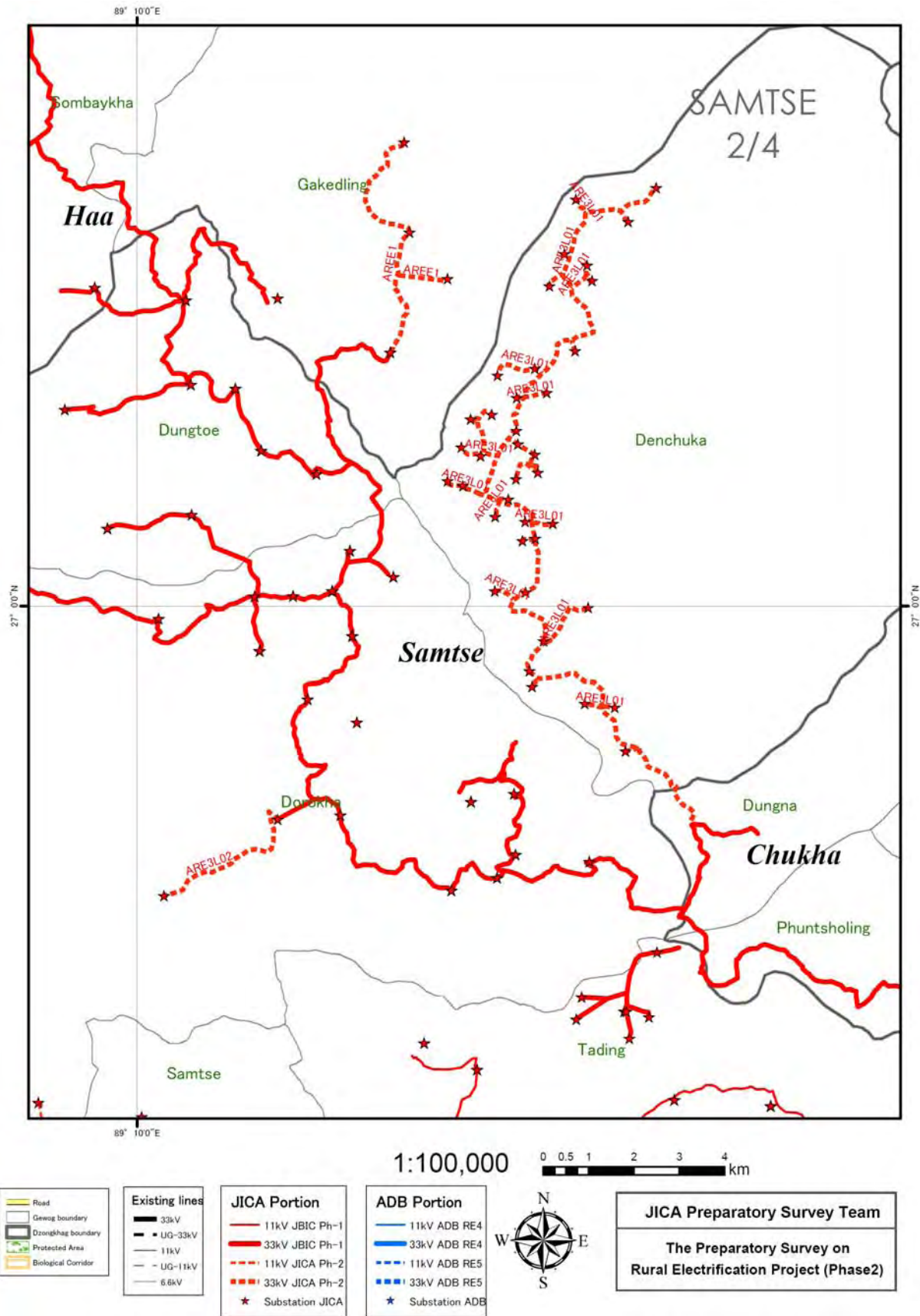
Prepared by JPST

Figure-A7 Distribution Line Figure of Punakha (2/2) (Detail view)



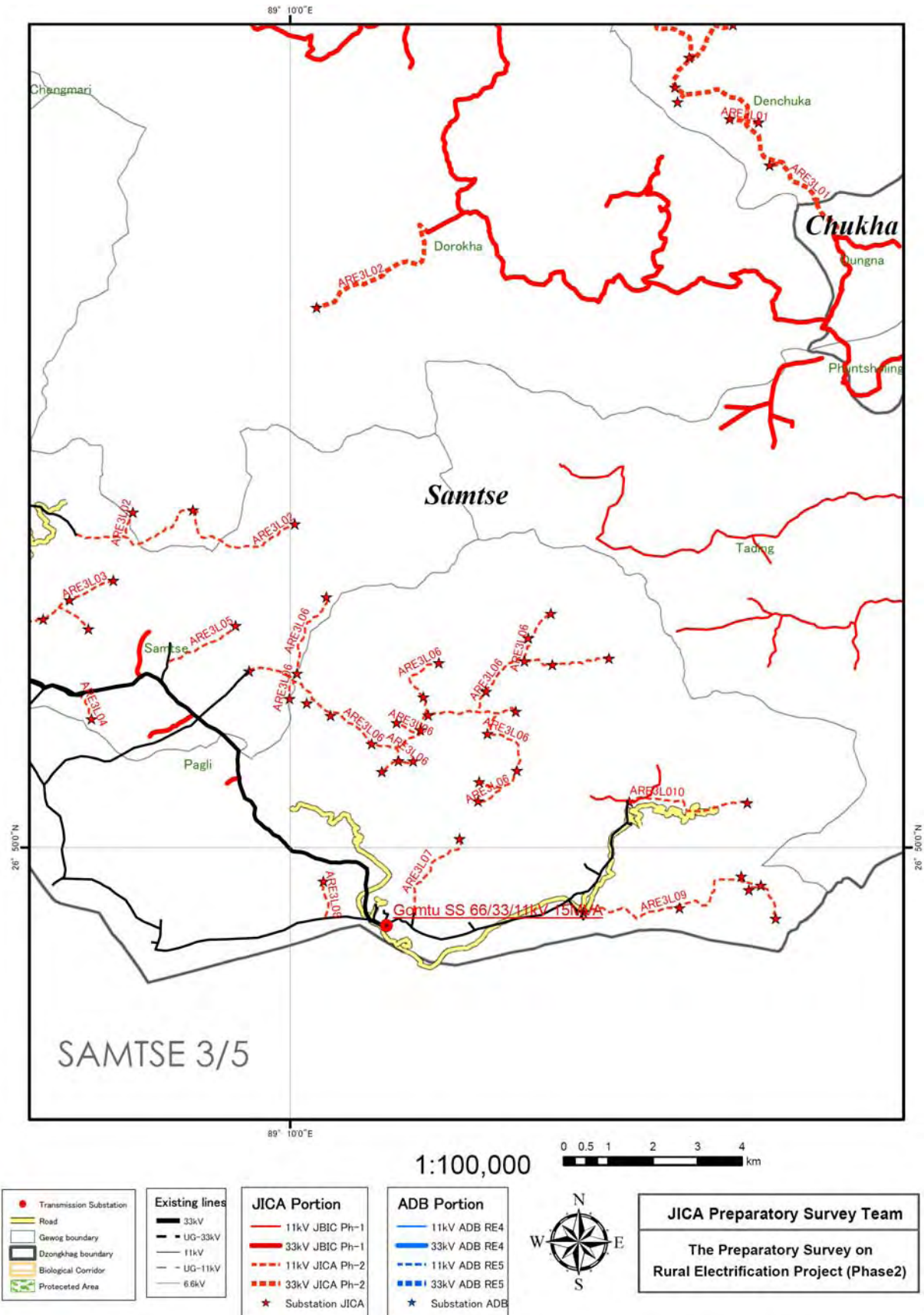
Prepared by JPST

Figure-A8 Distribution Line Figure of Samtse (1/5) (Overall view)



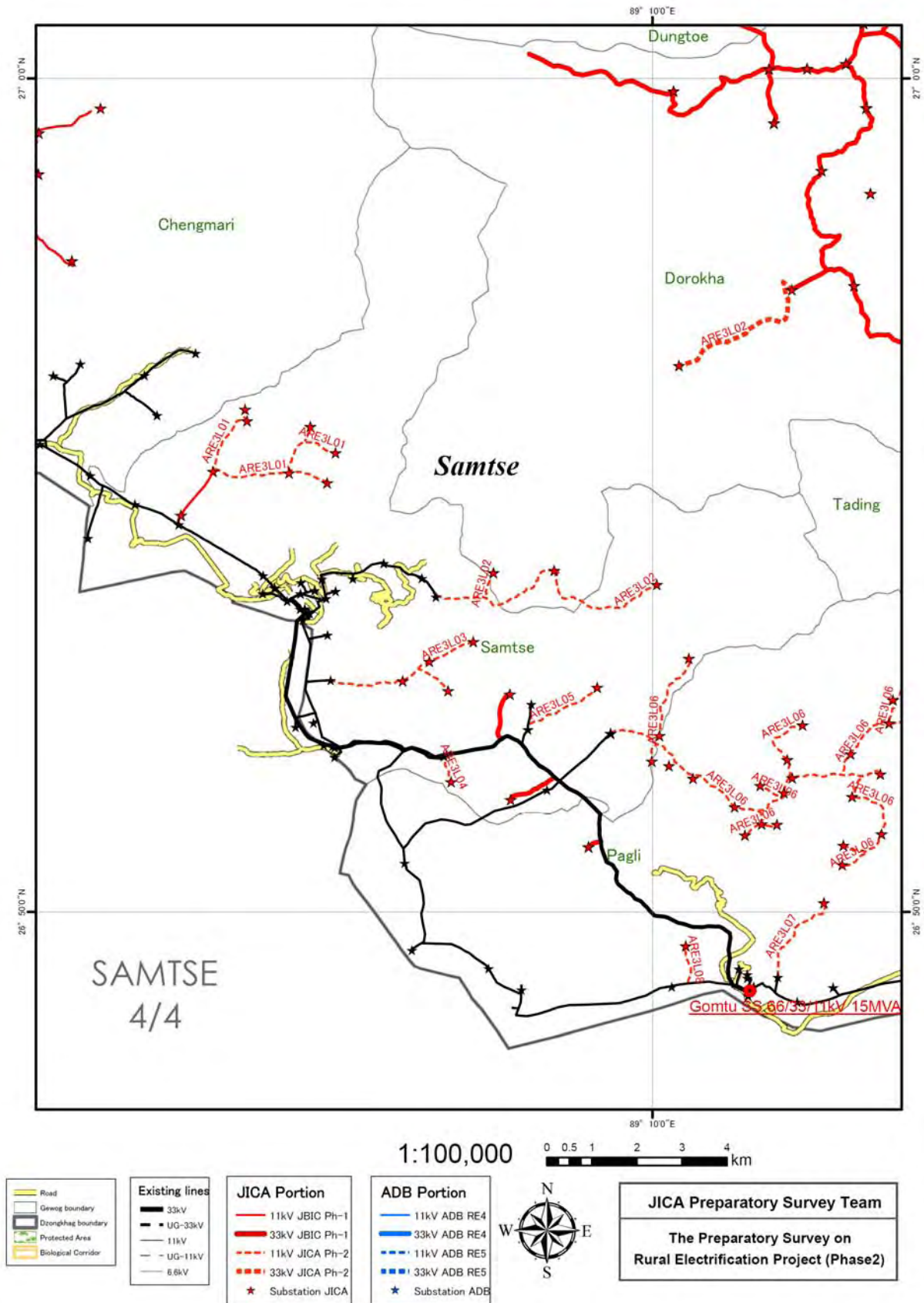
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Figure-A8 Distribution Line Figure of Samtse (2/5) (Detail view)



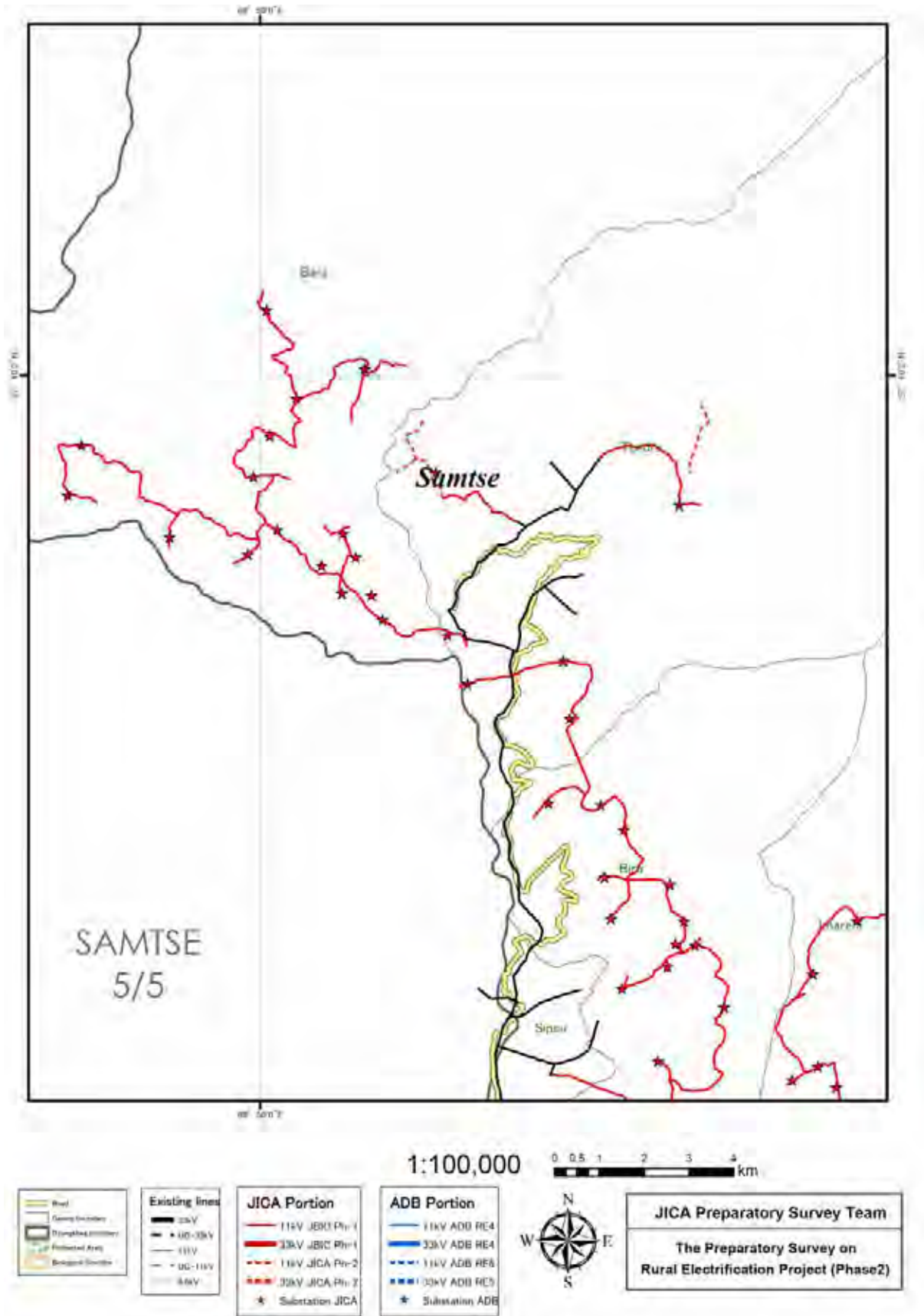
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Figure-A8 Distribution Line Figure of Samtse (3/5) (Detail view)



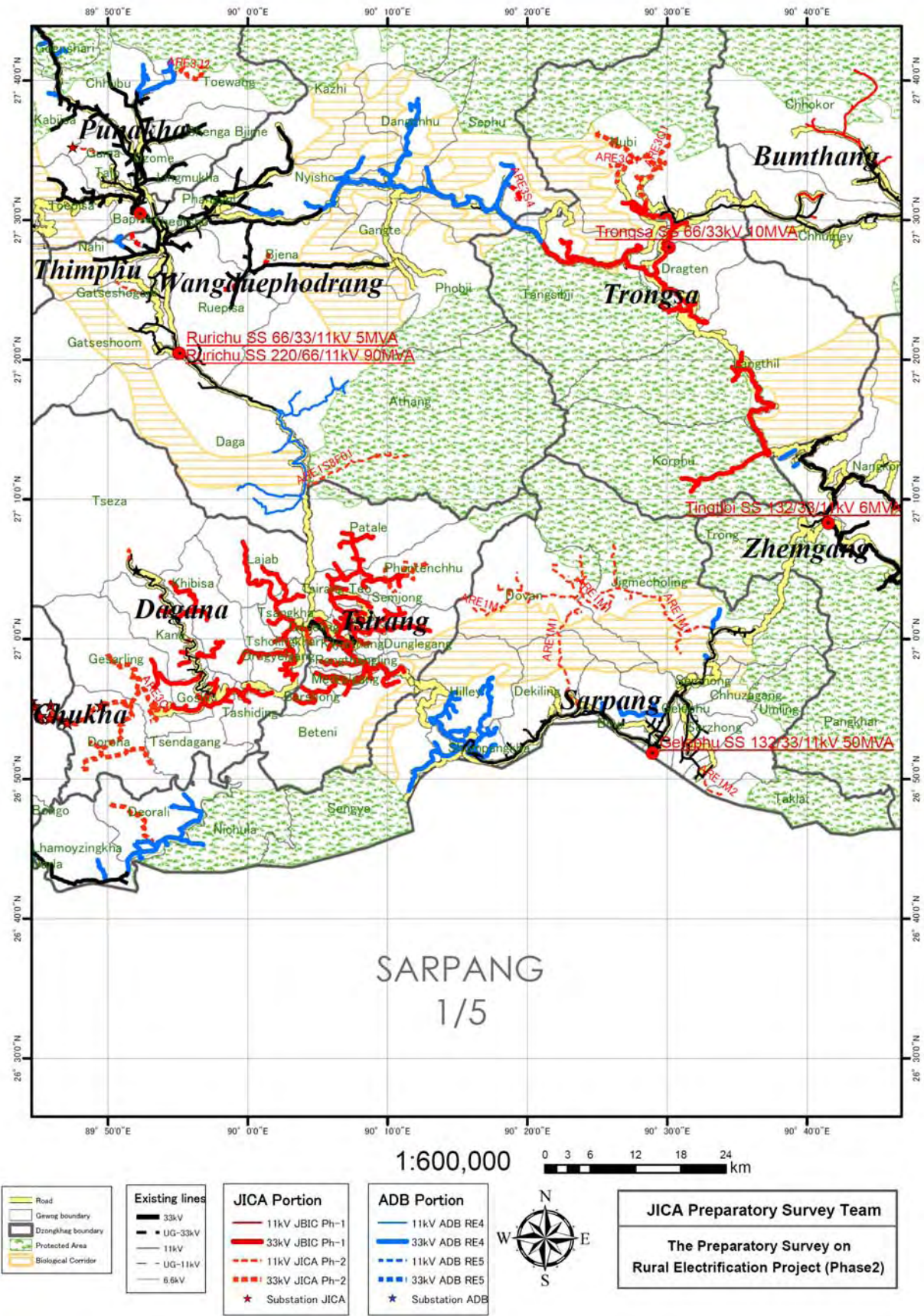
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Figure-A8 Distribution Line Figure of Samtse (4/5) (Detail view)



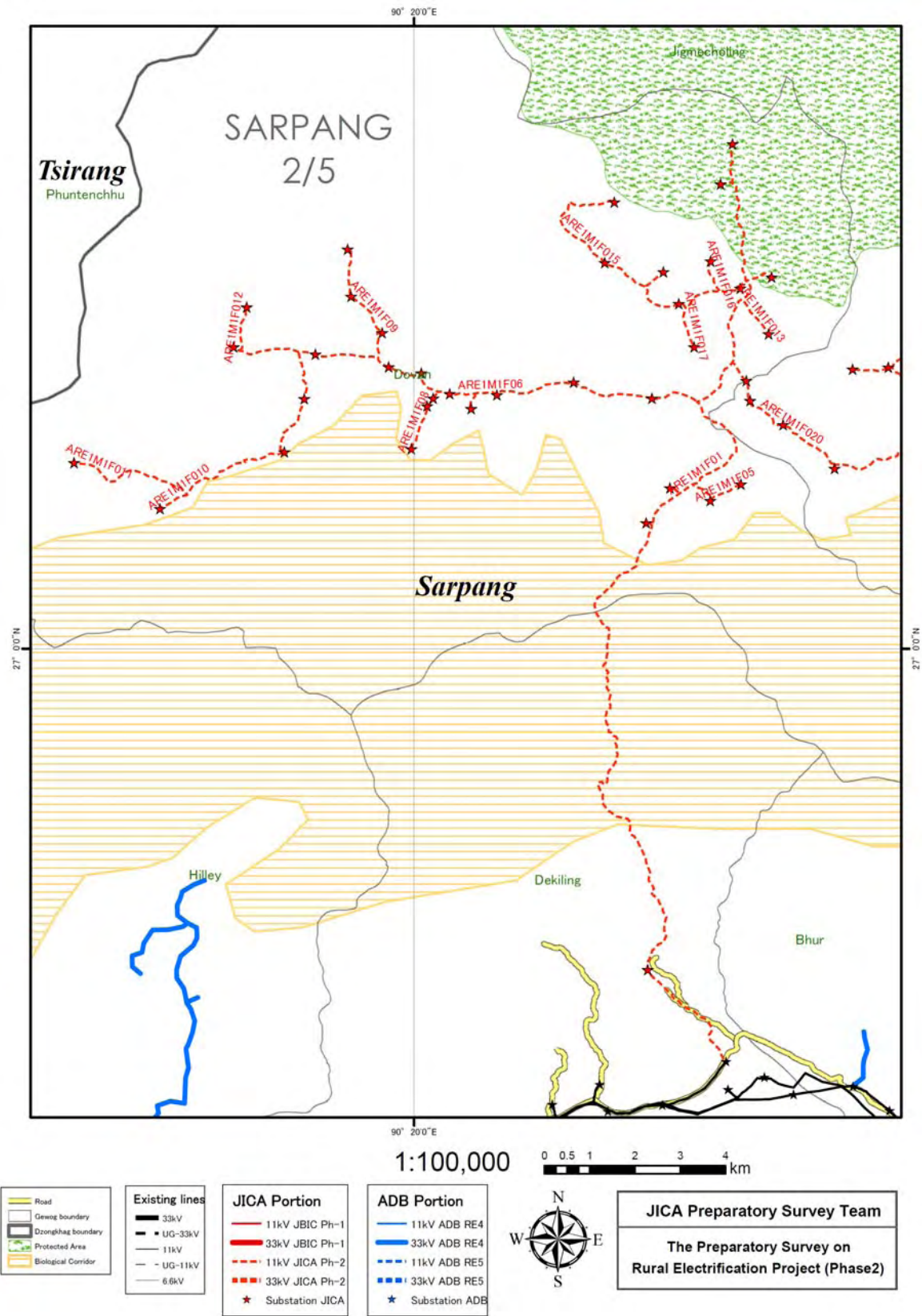
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Figure-A8 Distribution Line Figure of Samtse (5/5) (Detail view)



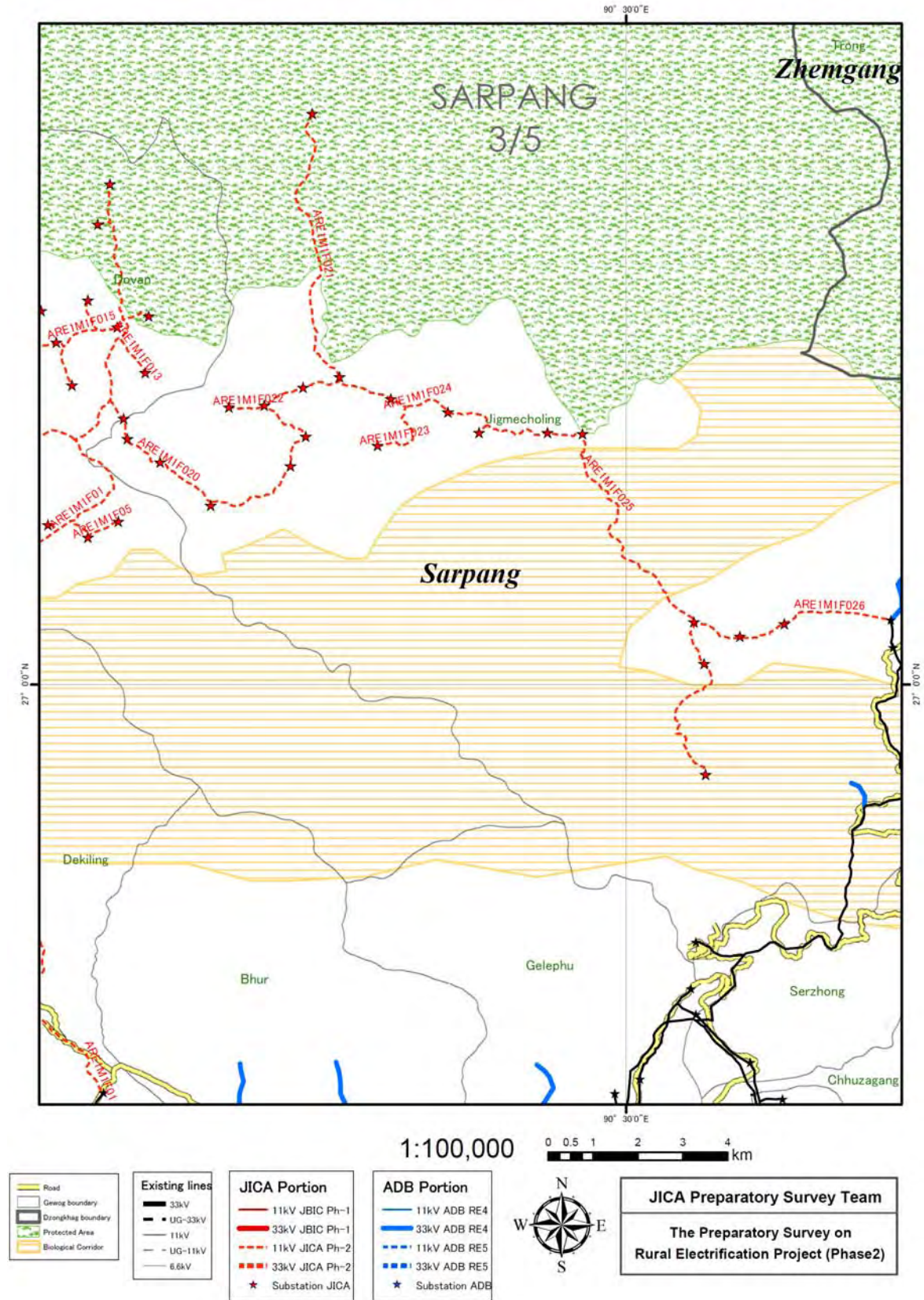
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Figure-A9 Distribution Line Figure of Sarpang (1/5) (Overall view)



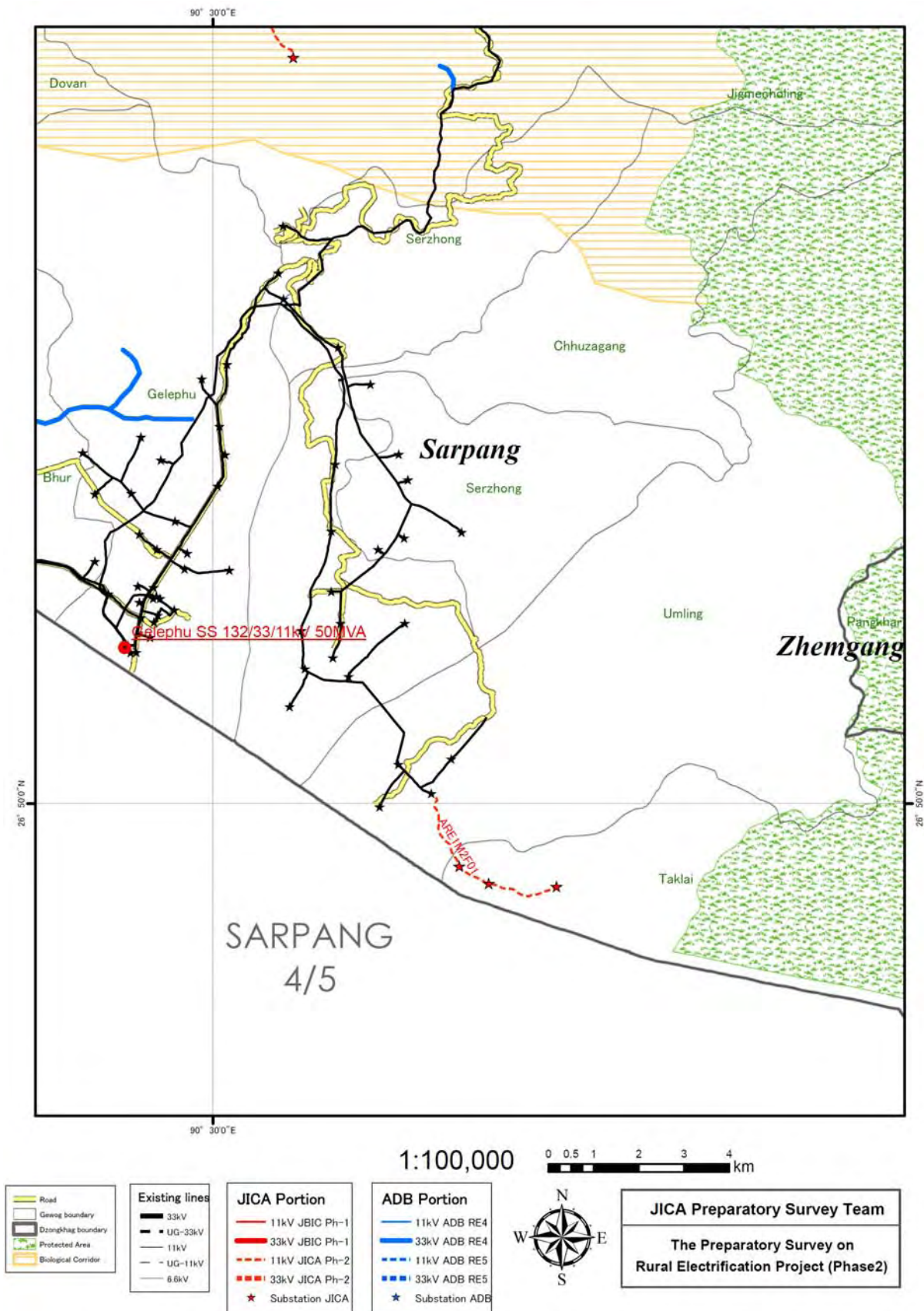
Prepared by JPST

Figure-A9 Distribution Line Figure of Sarpang (2/5) (Detail view)



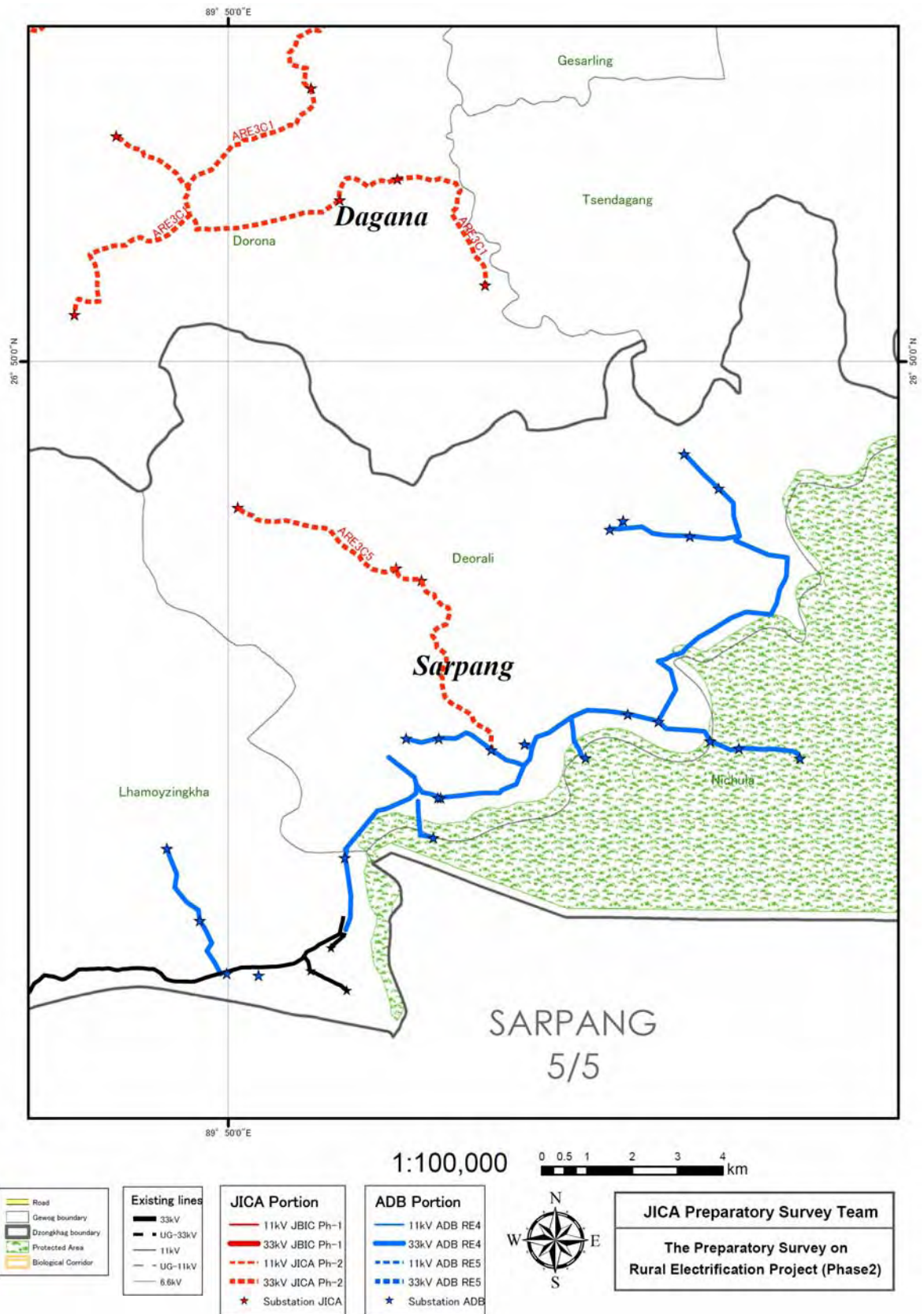
Prepared by JPST

Figure-A9 Distribution Line Figure of Sarpang (3/5) (Detail view)



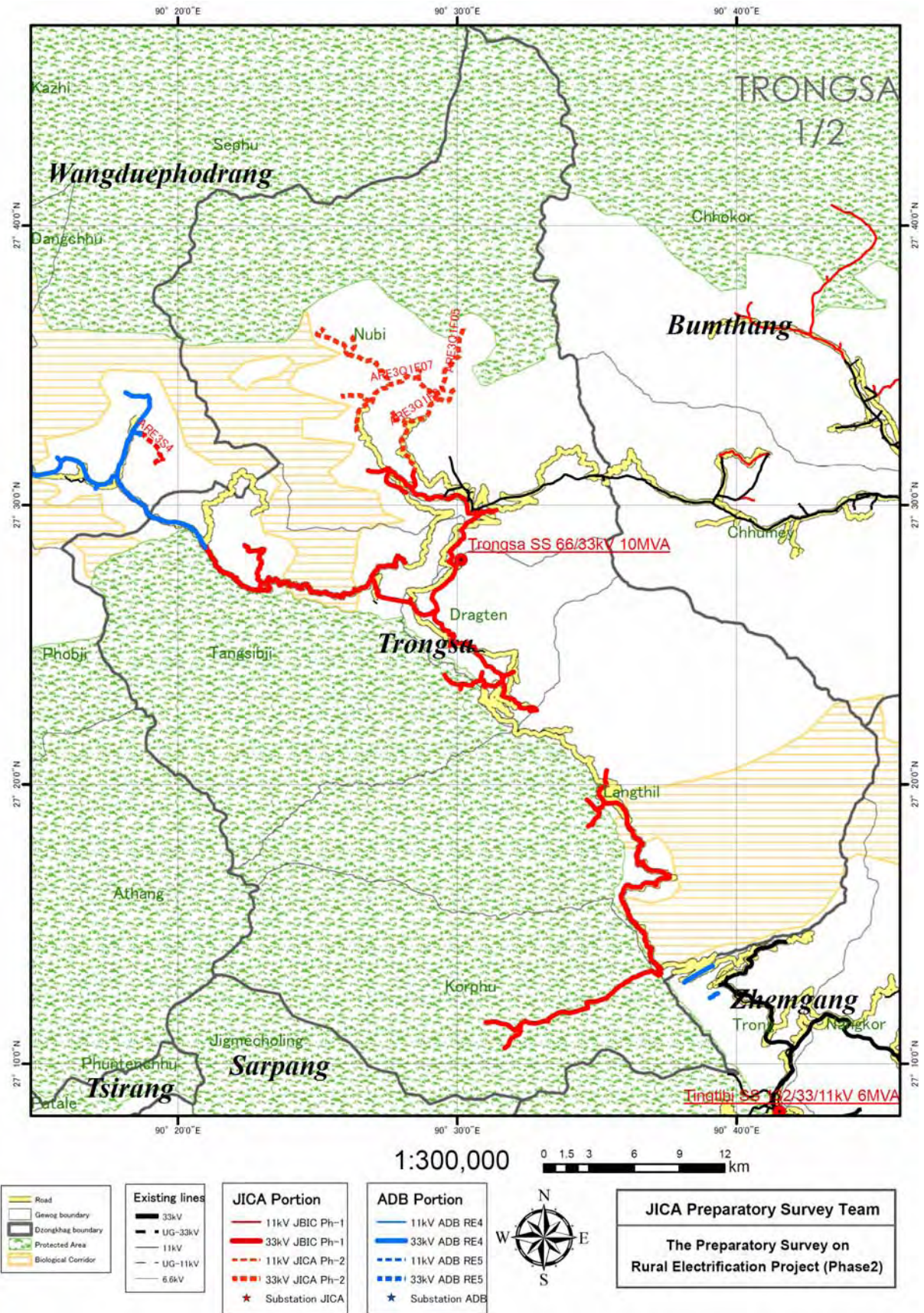
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Figure-A9 Distribution Line Figure of Sarpang (4/5) (Detail view)



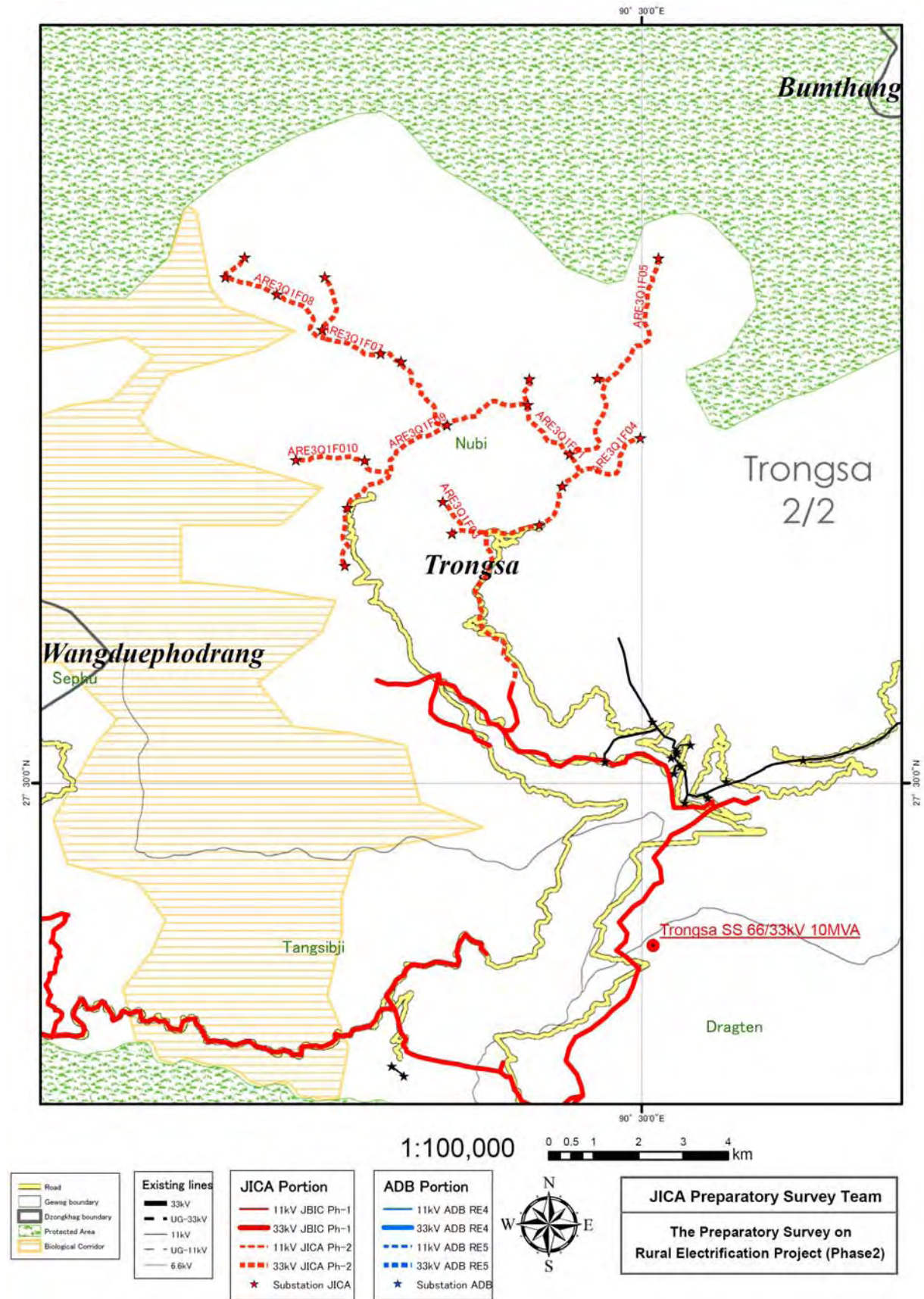
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Figure-A9 Distribution Line Figure of Sarpang (5/5) (Detail view)



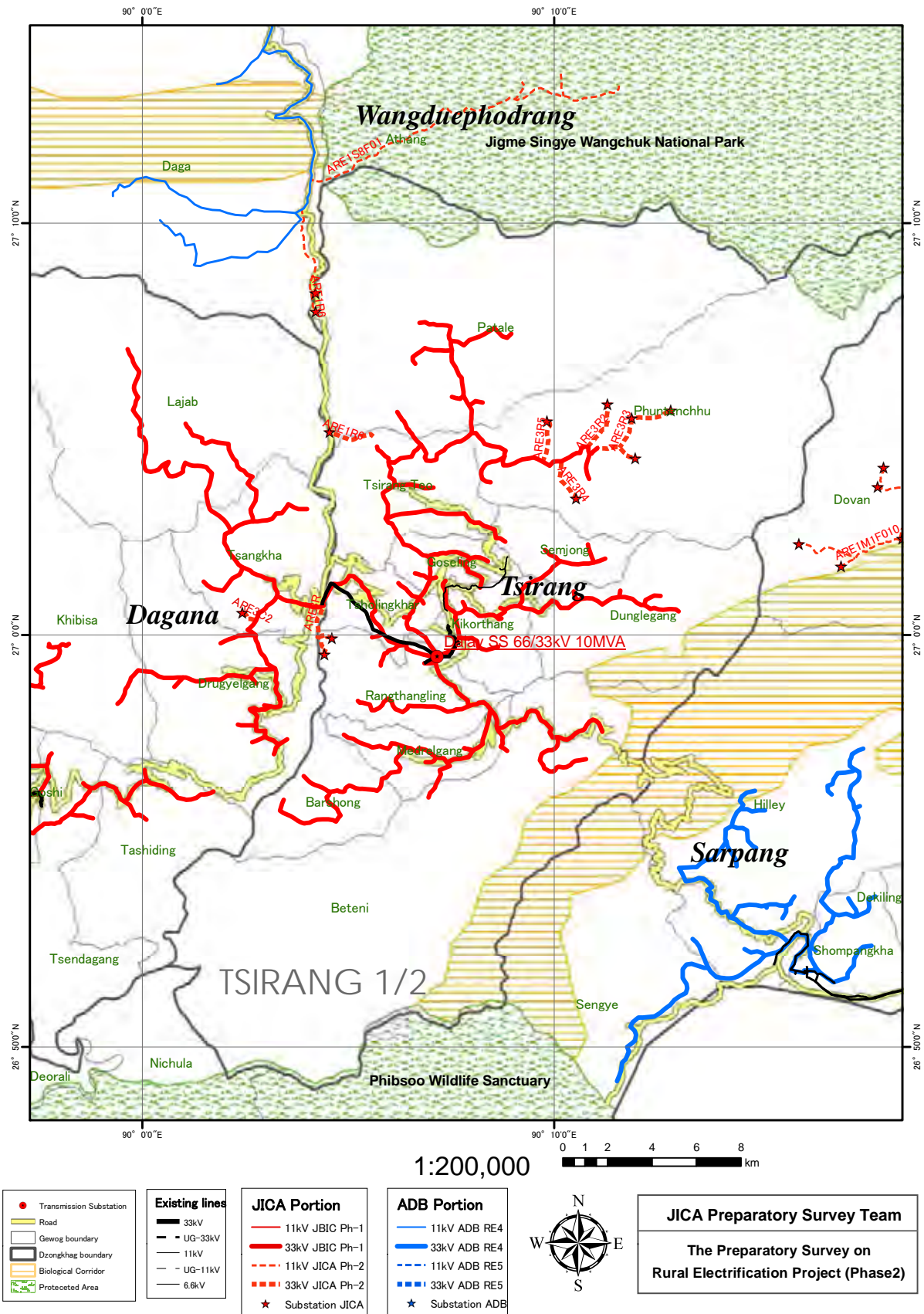
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Figure-A10 Distribution Line Figure of Trongsa (1/2) (Overall view)



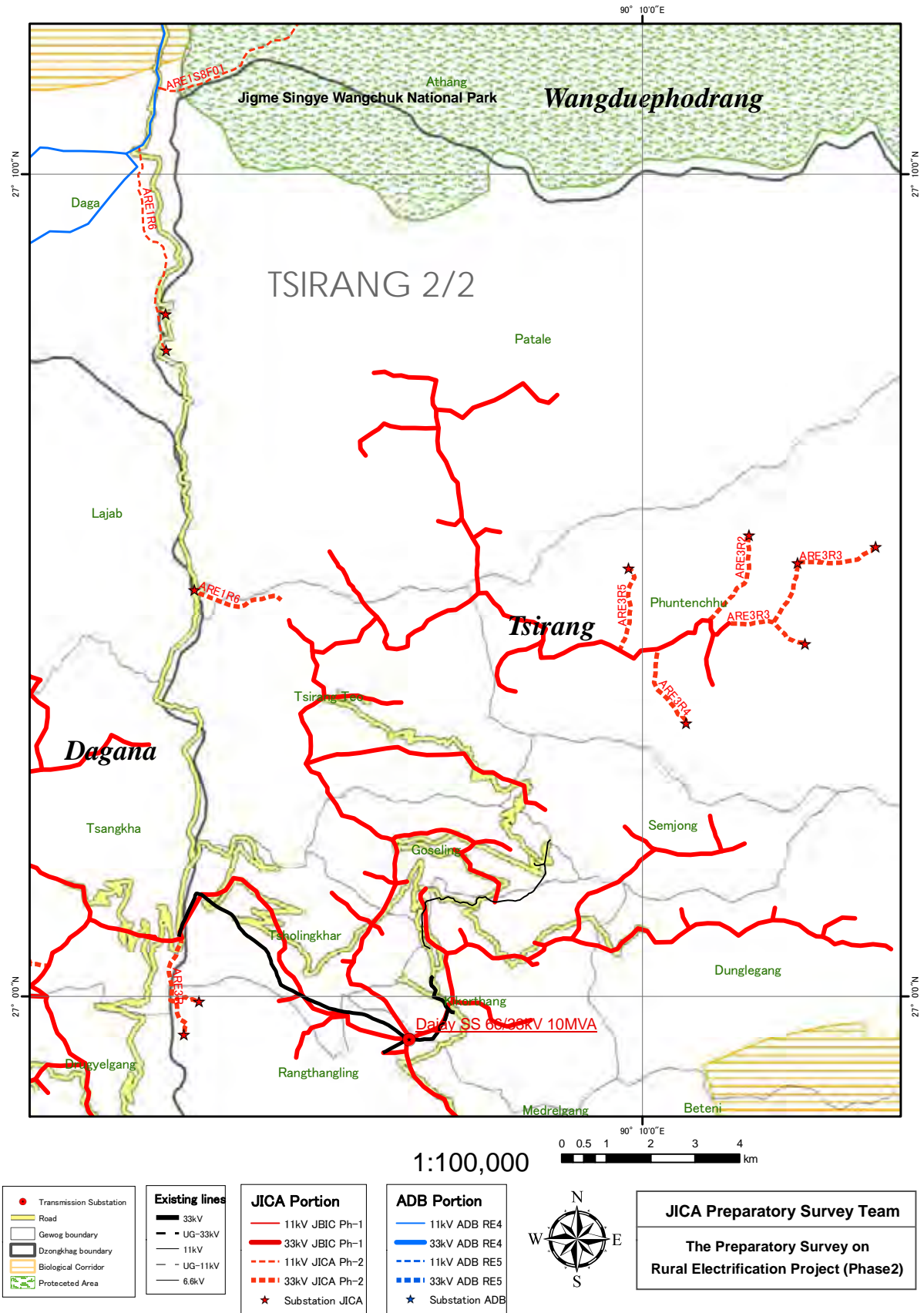
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Figure-A10 Distribution Line Figure of Trongsa (2/2) (Detail view)



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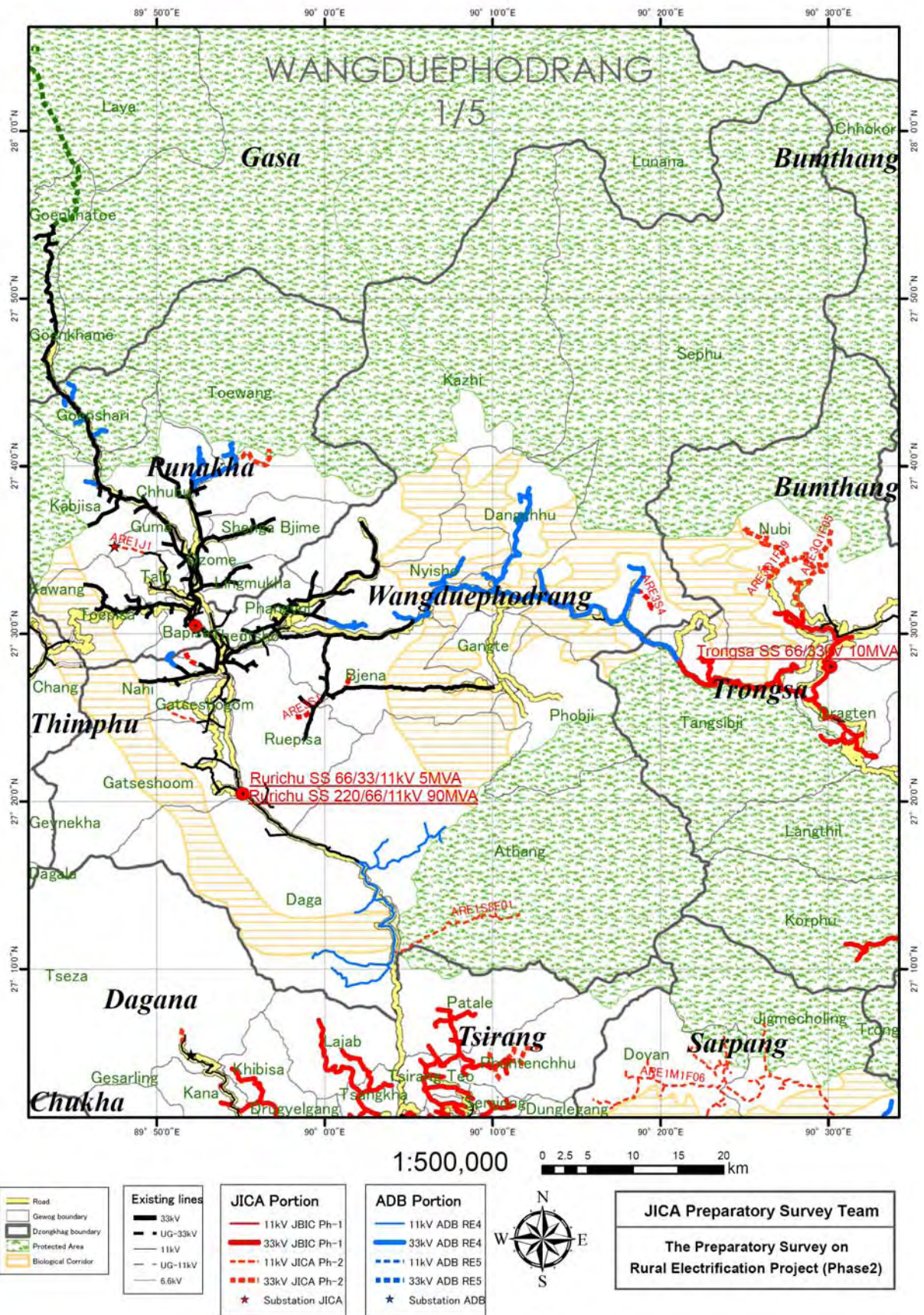
Figure-A11 Distribution Line Figure of Tsirang (1/2) (Overall view)



Prepared by JPST

Figure-A11

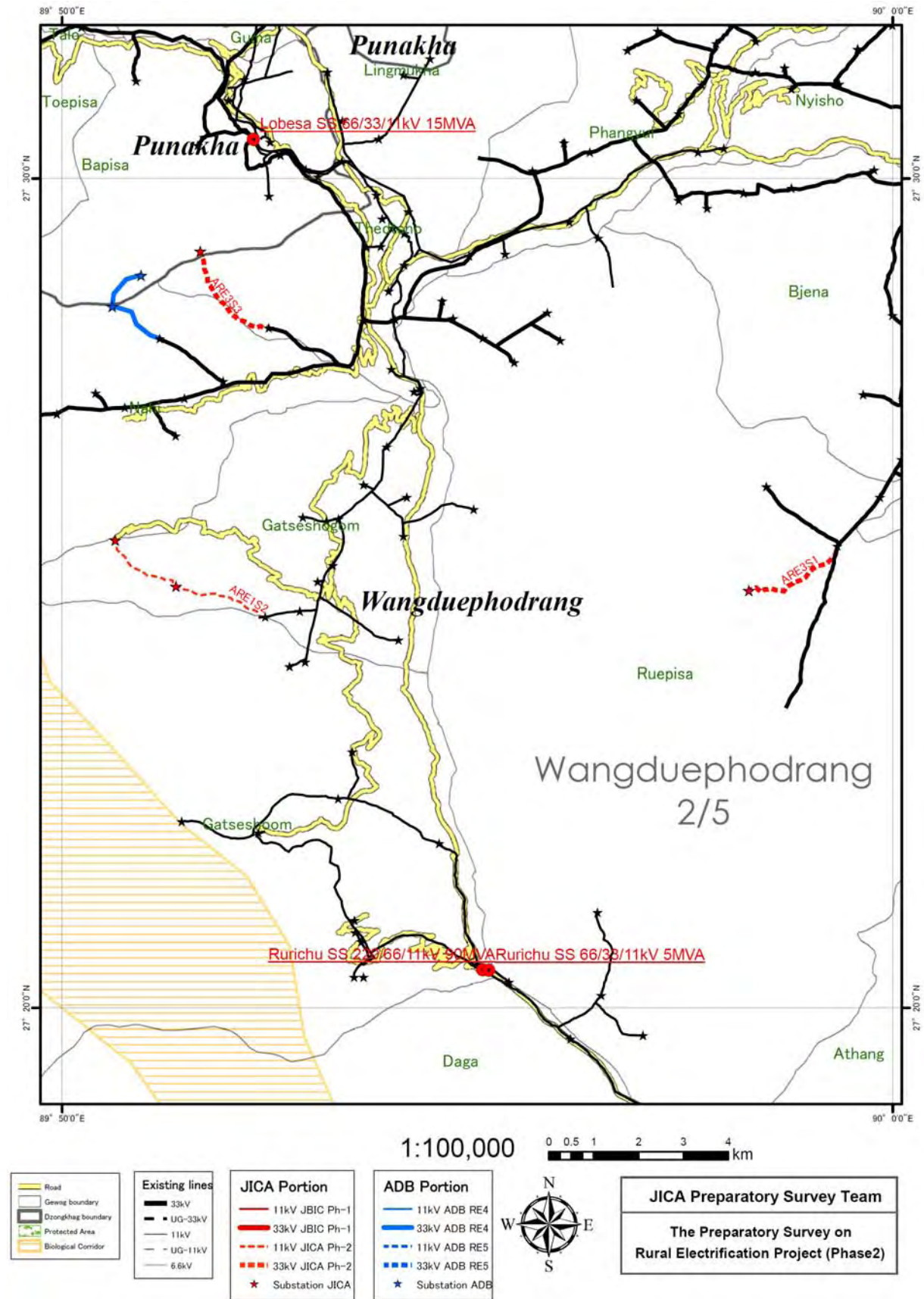
Distribution Line Figure of Tsirang (2/2) (Detail view)



Prepared by JPST

Figure-A12

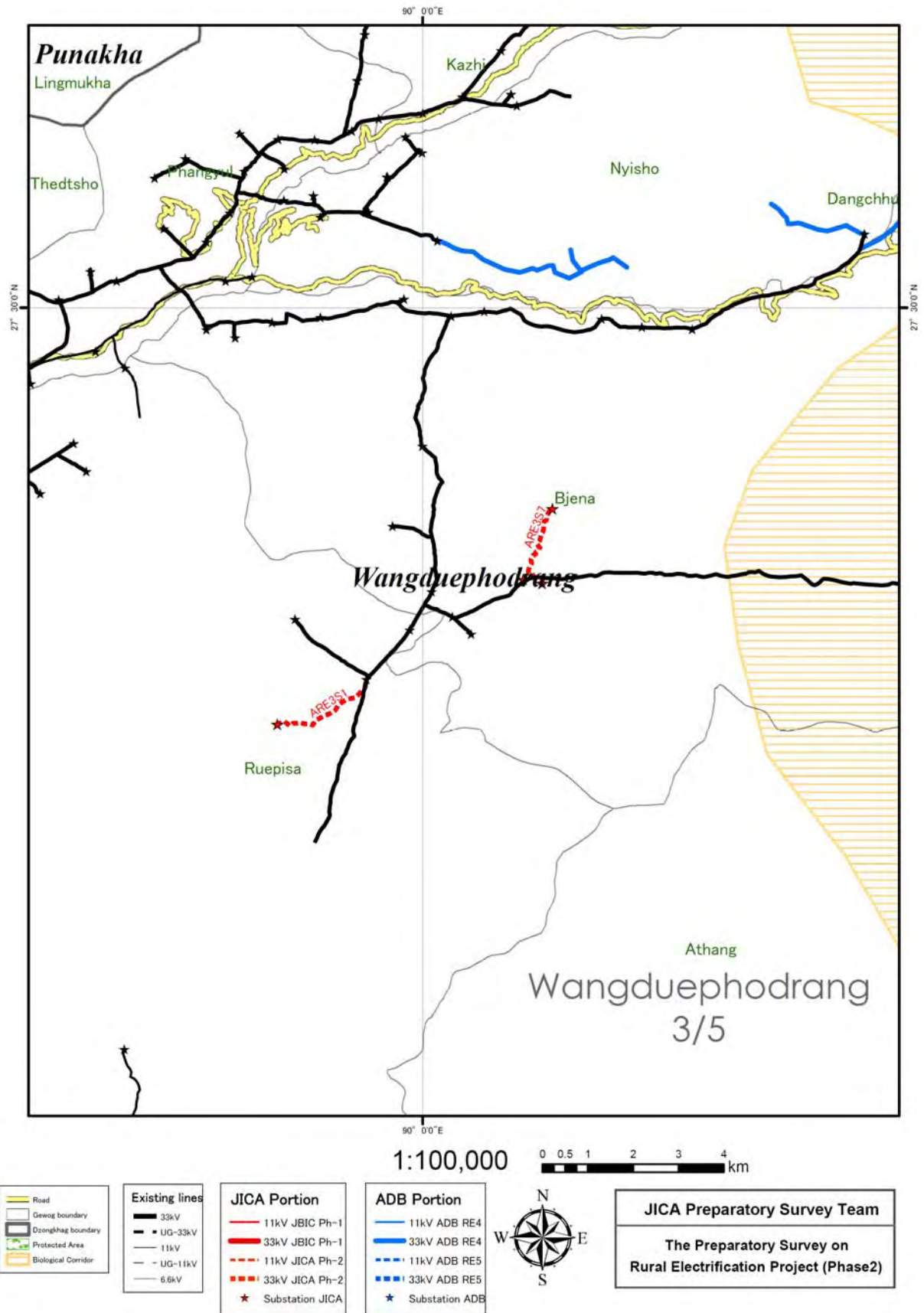
Distribution Line Figure of Wangduephodrang (1/5) (Overall view)



Prepared by JPST

Figure-A12

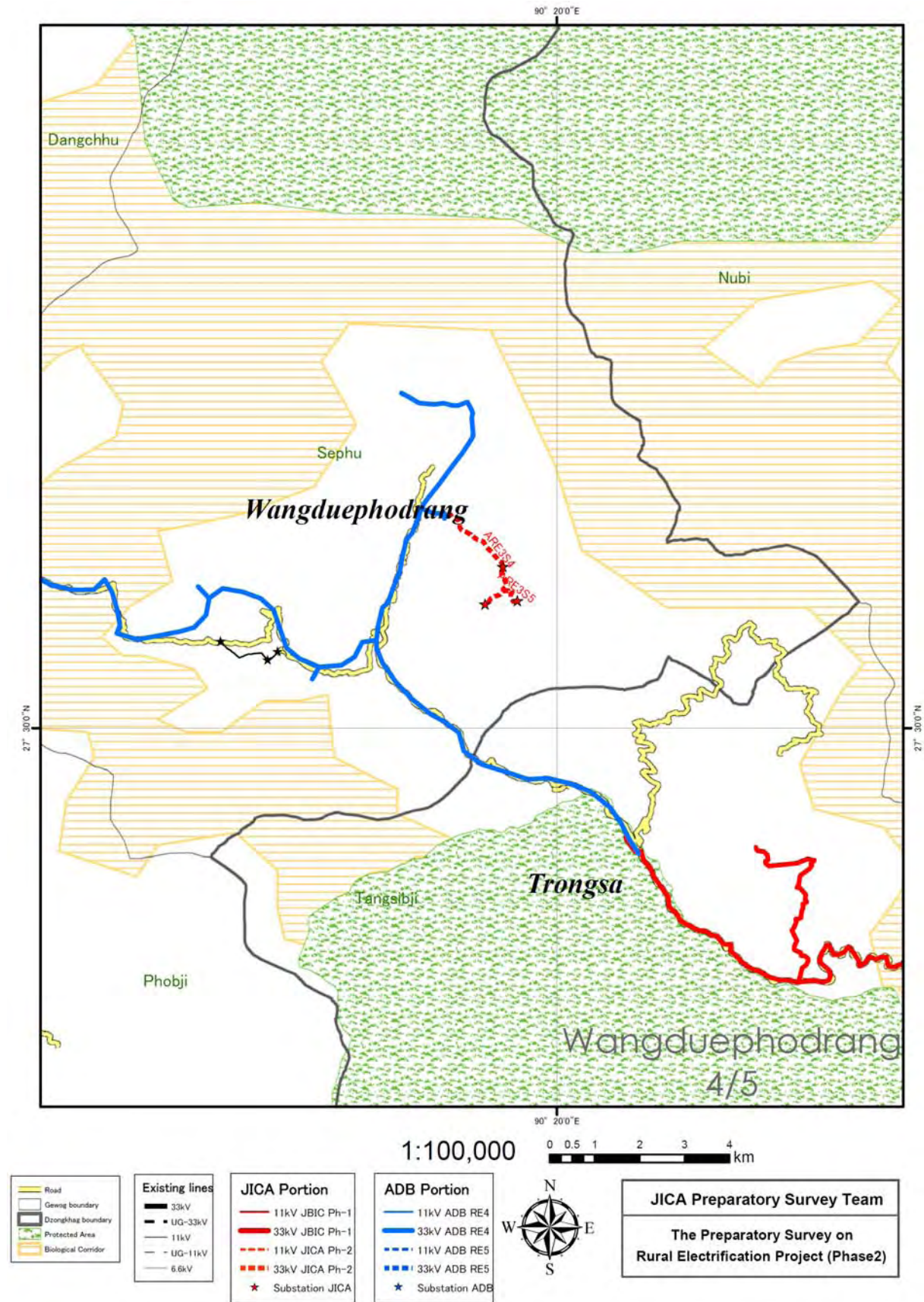
Distribution Line Figure of Wangduephodrang (2/5) (Detail view)



Prepared by JPST

Figure-A12

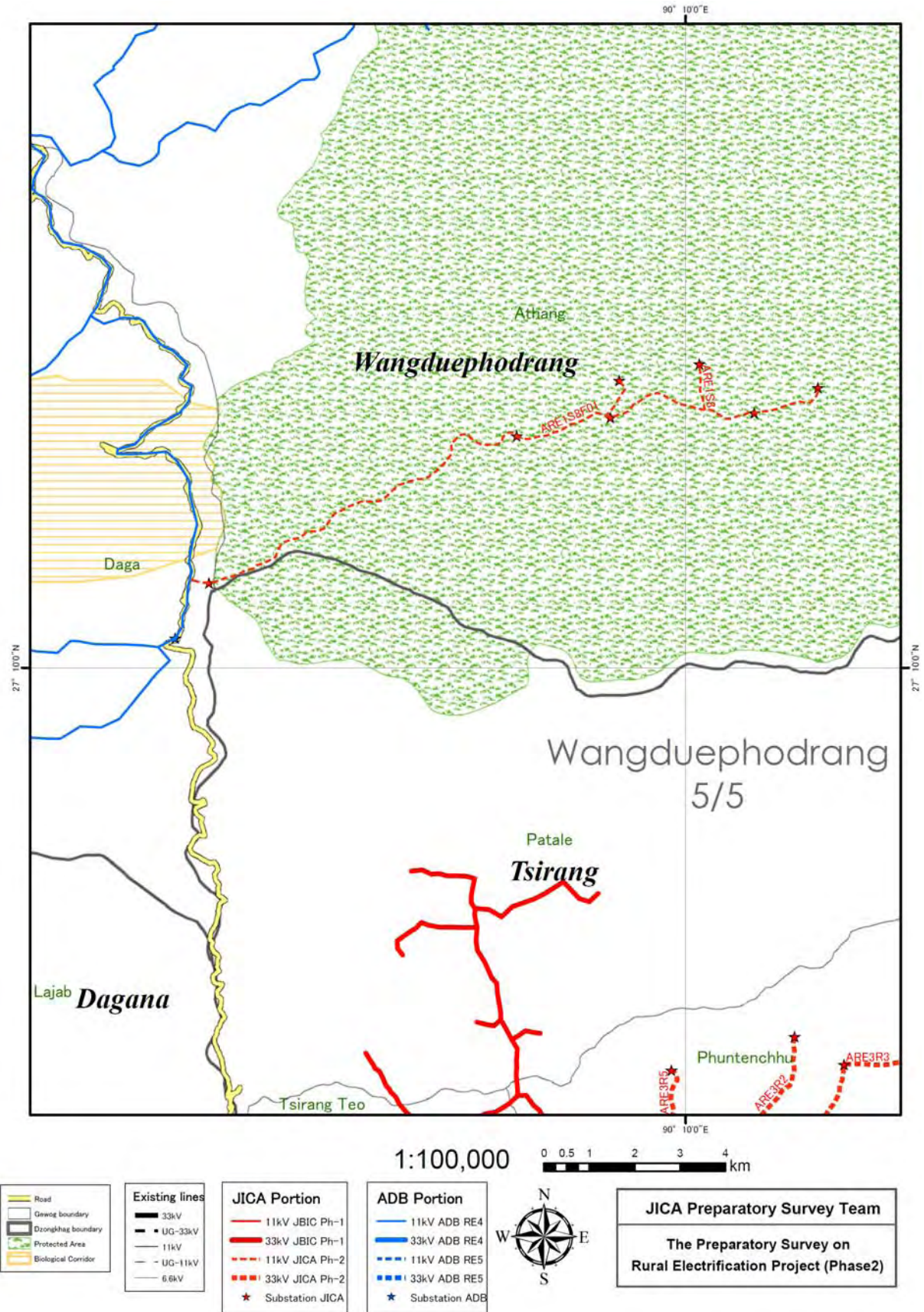
Distribution Line Figure of Wangduephodrang (3/5) (Detail view)



Prepared by JPST

Figure-A12

Distribution Line Figure of Wangduephodrang (4/5) (Detail view)



Prepared by JPST

Figure-A12

Distribution Line Figure of Wangduephodrang (5/5) (Detail view)

THE PREPARATORY SURVEY ON
RURAL ELECTRIFICATION PROJECT (PHASE-2)

IN KINGDOM OF BHUTAN

FINAL REPORT

APPENDIX

APPENDIX-B

PRESENT STATUS OF ROAD

APPENDIX-B PRESENT STATUS OF ROAD

B.1 Introduction

Planned economic development started in the 1960s. Along with it was the introduction of five year plans. The plans included infrastructure development, which involves construction of roads, buildings, bridges, water supply, and irrigation channels, along with economic growth with an attempt to balance tradition, culture and environment. For sustaining economic growth and rural livelihoods, there seems to be an ever-increasing need for more and better infrastructure that included primarily the road networks.

Over the years, there have been lots of changes and growth in the infrastructure and facilities in the country. Along with the infrastructural changes, the organizations involved in managing infrastructure have also changed. The first organization that was set up in 1961 to take care of construction was the Bhutan Engineering Services, which, in 1966, was renamed as the Public Works Department (PWD).

The PWD was under the Ministry of Development and later under the Ministry of Social Services. Thereafter, the Department of Roads and Department of Urban Development and Housing were the two main technical departments under the Ministry of Communication that were institutionalized to work towards establishing basic infrastructure facilities.

In 1999, during the restructuring process of the RGoB, it was recommended that the Ministry of Communication be restructured in order to enhance good governance, promote efficiency, transparency and accountability. Thereafter, a new ministry of construction, which was later called the Ministry of Works and Human Settlement (MoWHS), was established in 2003.

There are many departments/authorities and corporations under the MoWHS. One of these is the Department of Roads.

B.2 Department of Roads

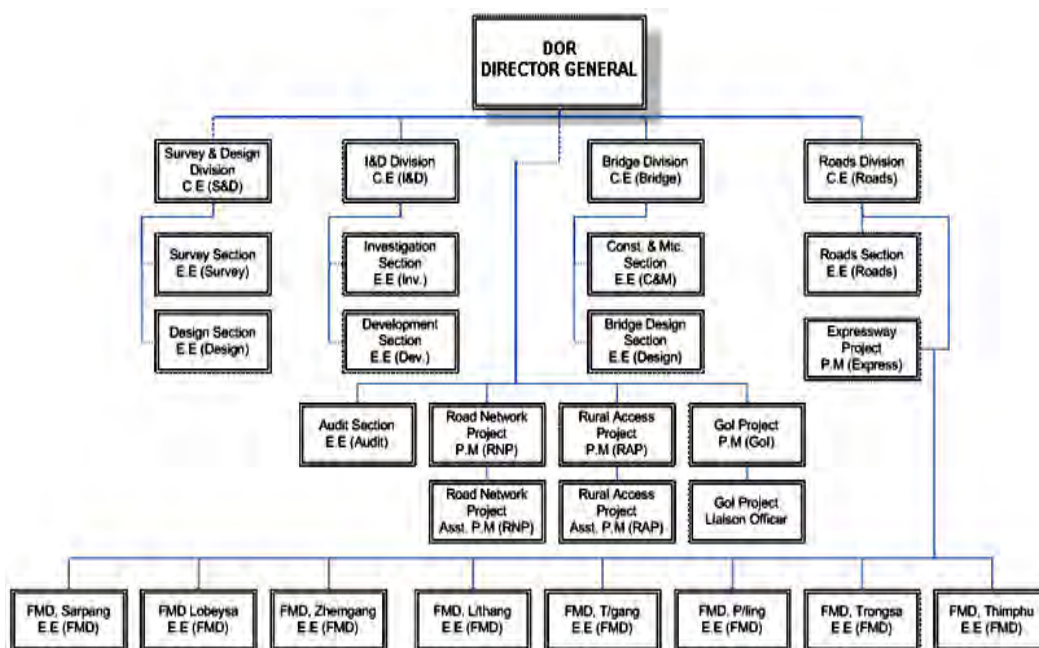
The Department of Roads (DoR) is one of the largest departments under the MoWHS. The primary goals of the road sector are as follows:

- To improve quality of life of rural population through improved access to socioeconomic facilities and to markets, health and education facilities, etc.
- To enhance reliability and safety of road transport through reduced road user costs, travel time, accidents and transportation costs of goods and services.

Chart 1 below shows the organizational diagram of the DoR. The head of the department is the

Director General of Roads. The department consists of four major divisions with sections under each division. The audit section and the projects under DoR are directly accountable to the head of the department.

In Bhutan, there are many types of roads. Organizations other than the DoR are involved in the maintenance. The major partners include the Project Dantak and other agencies like the dzongkhag administration and departments from various ministries. The main departments involved include the Department of Agriculture and Livestock, Department of Forestry Services, Department of Education, Bhutan Telecom, DoE and some private individuals/firms.



Source: DOR

Figure-B.2.1 Organizational Chart of the Department of Roads

B.3 Description of the Existing Roads Network in Bhutan

Bhutan is a landlocked country between India and China and constitutes primarily of a mountainous terrain. The only modes of transportation are air and land transport. The road network throughout the country plays a crucial role in development and poverty reduction, which is one of the key goals of the RGoB’s 10th FYP.

A good road network consists of the following aspects: (1) linking national highway to feeder and farm roads which will greatly help in reducing rural and regional isolation, (2) expanding rural access to enhance social services, (3) connecting to urban export markets, (4) creating conditions required to promote rural industrialization and non-farm enterprises, and (5) helping in developing towns and villages.

At present, there is only one national highway which links the east to the west through the northern part of the country. Not all of the districts and blocks (gewogs) are connected to the national highway. Furthermore, the existing roads are lengthy and susceptible to road blocks

due to landslides, snow fall and natural calamities. The roads in Bhutan are generally built following land contours and using minimum number of bridges as much as possible. Therefore, they are usually narrow with sharp curves and steep gradients, which are prone to accidents. Most of the roads were built during the 1960s when there were fewer vehicles on the road.

Table-B.3.1 below shows the different road types in Bhutan and their lengths. The country has a total road length of 5,964 km under six different categories. The primary national highway is the longest stretch of road at 28.25% of the total road network, followed by farm roads at 23.40% and then access roads at 21.84%. The access roads comprise many different types of roads as noted in the table below.

Table-B.3.1 Different Road Types in Bhutan and Their Lengths

Road Type	Length in Km	Percentage
National Highway (Primary National Highway)	1685	28.25
District Road (Secondary National Highway)	491	8.23
Feeder Road (Dzongkhag Roads)	883	14.80
Thromde (town/municipal) Roads	207	3.47
Farm Roads	1396	23.40
Access Raods**	1303	21.84
Total Length of Roads	5964	100

**Comprises of forest roads, health roads, education roads, telecommunication roads, power roads, private roads, projects roads and public roads.

Source:

Figure-B.3.1 below shows the percentage of road network accounted for by the various agencies involved. DoR takes care of most of the roads with 45% of the total road network followed by the Dzongkhag Administration with 23%. The Department of Forestry Services and Project Dantak account for 9% each of the total road network. Department of Agriculture and Livestock Services takes account of 8% while Department of Energy has 3% of the network. Bhutan Telecom, Department of Education and private individuals/firms equally share about 1% each of the road network.

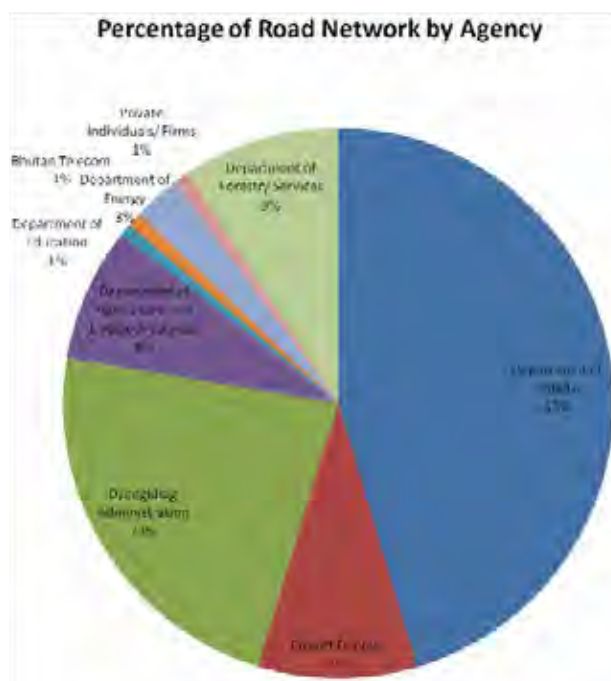


Figure-B.3.1 Percentage of Road Network Accounted for by Various Agencies

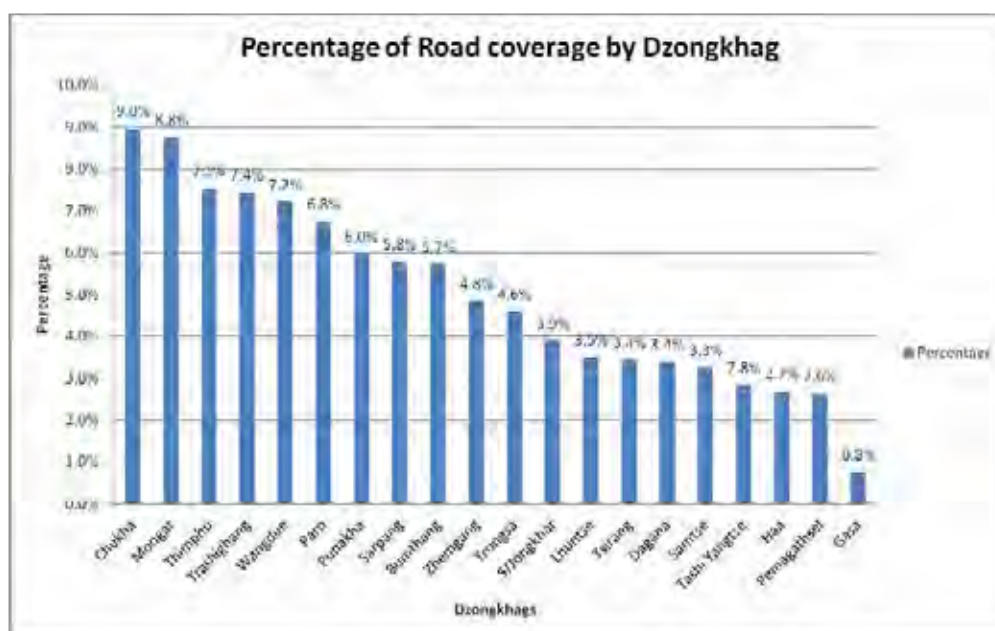
Table-B.3.2 below shows the surface category-wise abstract road network as of June 2009. About 55% of the roads in Bhutan are not blacktopped. 45% of the roads are blacktopped.

Table-B.3.2 Surface Category-wise Abstract Road Network as of June 2009

	Expressway	Primary National Highway	Secondary National Highway	Dzongkhag Road	Thromden Road	Farm Road	Access Road	Total of all Roads	Percentage
Category	(Km)	(Km)	(Km)	(Km)	(Km)	(Km)	(Km)	(Km)	
Black Topped	6.2	1559.29	454.2	174.13	189.99	2.7	301.04	2687.55	45%
Non-black topped		119.5	36.45	709.23	16.65	1392.92	1002.01	3276.76	55%
Total	6.2	1678.79	490.65	883.36	206.64	1395.62	1303.05	5964.31	100%

Source DOR, Annual Information Bulletin 2009.

Figure-B.3.2 below shows the percentage of road network of each dzongkhag compared to the overall network in Bhutan. Chukha Dzongkhag has the highest road network coverage with 9% out of the total followed by Mongar and Thimphu with 8.8% and 7.5%, respectively. Gasa Dzongkhag has the least road coverage with 0.8%. In general, the northwestern regions of the country have relatively better coverage of roads.



Source: DOR

Figure-B.3.2 Percentage of Road Network Coverage by Dzongkhag

Table-B.3.3 and B.3.4 list the road distances in kilometers for the national highway and district roads. The longest highway is the Simtokha–Trashigang Highway which is 546 km long and runs from the western part to the eastern part of the country. Gelephu–Sarpang–Tsirang–Wangdue Highway is 186 km and located centrally and to the south of the country. The Samdrup Jongkhar–Trashigang Highway is 180 km and located in the eastern part of the country. The Phuntsholing–Thimphu Highway is 179 km and the busiest highway in Bhutan.

Tables-B.3.3 Road Distances of National Highway

From	To	Distance (KM)
Phuntsholing – Thimphu Highway		
Dechencholing	Thimphu	7
Thimphu	Simtokha	5
Simtokha	Khasadrapchu	12
Khasadrapchu	Chuzom	14
Chuzom	Damchu	12
Damchu	Chapchha	15
Chapchha	Bunakha	15
Bunakha	Tssimasham	8
Tssimasham	Chhukha	9
Chhukha	Gedu	37
Gedu	Ganglakha	16
Ganglakha	Kharbandhi	24
Kharbandhi	Phuntsholing	5
Total		179

From	To	Distance (KM)
Simtokha – Trashigang Highway		
Simtokha	Dochula	16
Dochula	Thinleygang	27
Thinleygang	Lobesa	12
Lobesa	Wangdue	10
Wangdue	Chuzomsa	10
Chuzomsa	Nobding	34
Nobding	Dungdung Nasa	5
Dungdung Nasa	Pelela	9
Pelela	Chesurbu	24
Chesurbu	Tsangkha	27
Tsangkha	Trongsa	20
Trongsa	Yotongla	28
Yotongla	Chumey	21
Chumey	Nangar	6
Nangar	Jakar	13
Jakar	Ura	49
Ura	Thrumshingla	35

Contd Simtokha – Trashigang Highway		
Thrumshingla	Sengor	20
Sengor	Lingmithang	60
Lingmithang	Ganglola	17
Ganglola	Monggar	12
Monggar	Korila	17
Korila	Yadi	22
Yadi	Serichu	17
Serichu	Chazam	25
Chazam	Trashigang	10
Total		546

From	To	Distance (KM)
Gelephu – Zhemgang – Trongsa Highway		
Gelephu	Gelek Zam	9
Gelek Zam	Jigmicholing	24
Jigmicholing	Tamala	33
Tamala	Mangdichu	32
Mangdichu	Dakpai Zig	17
Dakpai Zig	Zhemgang	18
Zhemgang	Wangduegang	22
Wangduegang	Khosala	21
Khosala	Refee	28
Refee	Kungarapten	20
Kungarapten	Trongsa	20
Total		244

From	To	Distance (KM)
SamdrupJongkhar- Trashigang Highway		
SamdrupJongkhar	Deothang	18
Deothang	Narphung	41
Narphung	Tshelingkhor	15
Tshelingkhor	Wamrong	29
Wamrong	Trashiyangphu	5
Trashiyangphu	Kharungla	8
Kharungla	Khaling	14
Khaling	Kanglung	28
Kanglung		22
Total		180

From	To	Distance (KM)
Gelephu – Sarpang – Tsirang-Wangdue Highway		
Gelephu	Sarpang	32
Sarpang	Darachu	40
Darachu	Dupidara	10
Dupidara	Damphu	10
Damphu	Chanchey	17

Chanchey	Burichu	11
Burichu	Waklaytar	11
Waklaytar	Kamichu	23
Kamichu	Rurichu	15
Rurichu	Hesothangkha	14
Hesothangkha	Wangdue	3
Total		186

From	To	Distance (KM)
Chuzom – Paro Highway		
Chuzom	Isuna	8
Isuna	Bondey	9
Bondey	Paro	7
Paro	Drukgyel Dzongq	16
Total		40

From	To	Distance (KM)
Chuzom – Haa Highway		
Chuzom	Dawakha	12
Dawakha	Jabana	51
Jabana	Haa	16
Haa	Dumthang	16
Total		95

From	To	Distance (KM)
Lobesa – Punakha Highway		
Lobesa	Kuruthang	9
Kuruthang	Punakha	3
Total		12

From	To	Distance (KM)
Gedu – Dala-Piping/Raidak Highway		
Gedu	Dala	7
Dala	Manitar	7
Manitar	Sinchula	6
Sinchula	Piping/Raidak	33
Total		53

Source DOR, Annual Information Bulletin 2009

Table-B.3.4 Road Distances of District Roads

From	To	Distance (KM)
Samtse	Chengmari	10
Chengmari	Sipsu	39
Sipsu	Tendu	24
Chanchey	Sunkosh	3
Sunkosh	Kumjung	13
Kumjung	Trashiding	23
Trashiding	Suntalay	18
Suntalay	Khogochen	14
Khogochen	Dagapela	29
Gangola	Galakpa	21
Galakpa	Autsho	4

Autsho	Tangmachu Zam	28
Tangmachu Zam	Lhuntse	12
Chazam	Jamkhar Dang	5
Jamkhar Dang	Duksum	10
Duksum	Trashhi Yangtse	30
Tshelinghor	Pema Gatshel	23
Deothang	Samdrupcholing Kawaipani	47
Paro	Chelayla	36
Chelayla	Haa	26

Source DOR, Annual Information Bulletin 2009.

Remarks: Disclaimer: Distances are approximate and may vary due to shortening, widening and realignment of the roads.

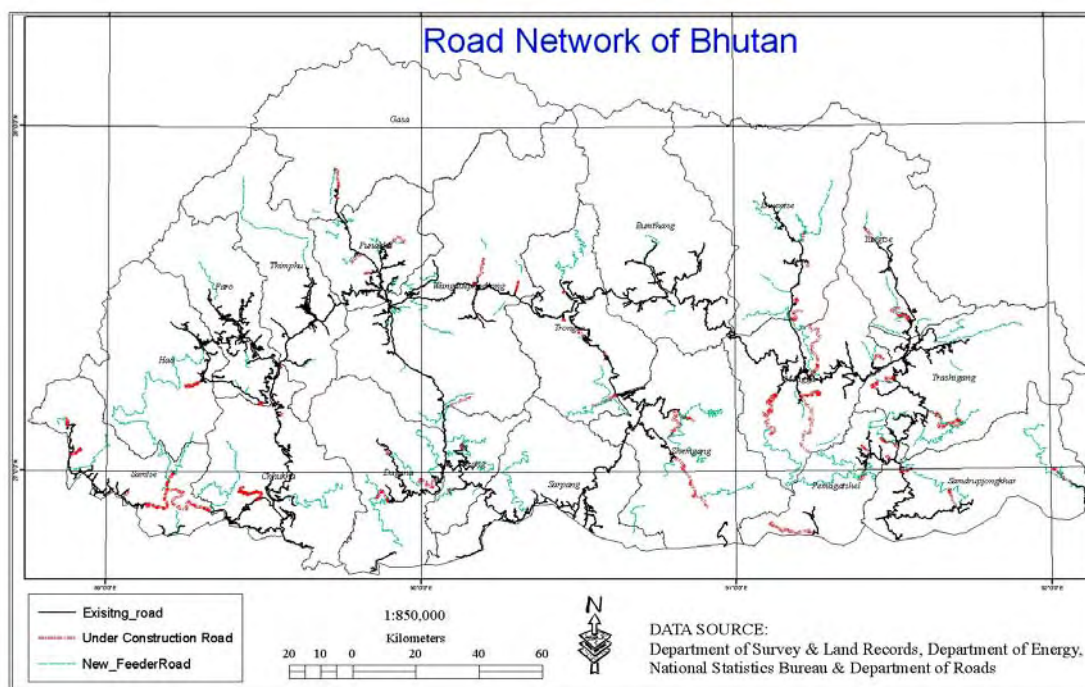


Figure-B.3.3 Road Network of Bhutan (Existing Roads, Under Construction Roads and New Feeder Roads)

The existing roads in Figure-B.3.3 are inclusive of all types of roads like Highways, Dzongkhag roads, farm roads, excess roads, telecommunication roads, private roads etc.

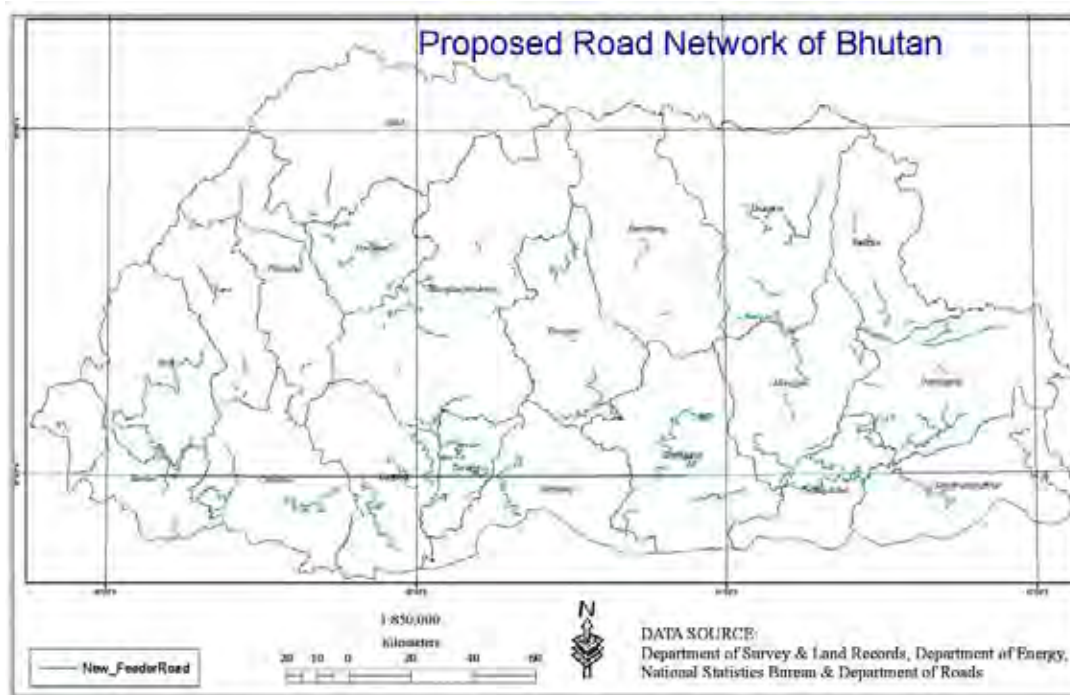


Figure-B.3.4 Proposed Road Network of Bhutan as of August 2010

B.4 Future Expansion Plans of Roads

The total budget provision for the roads sector is Nu.3,444.806 million, which is about 10% of the total budget in the 10th FYP. One of the primary aims in this sector is to link all parts of the country internally. In this regard, the Ministry of Finance (MoF) has mobilized the necessary resources for most of the link roads in the south. The funds for the Samdubchheoling-Samrang Road in Samdrup Jongkhar has been signed with the ADB, and the MoF is left without resources for the following sections: Lhamoidzingkha-Sarpang s(115 km), Gelegphu-Panbang (97 km), Nganglam-Deothang (105 km) and Samrang-Jomotsangkha (87 km) to complete the southern link. The connection of the above sections amounts to 404 km. The MoF is confident that it will be able to mobilize the required funds from donor agencies like ADB and World Bank (WB) for the sections left without resources.

As in the past, out of the national budget, Nu.648.150 million is kept for road resurfacing, improvement and maintenance, Nu.2,181.301 million for road construction, and Nu. 647.078 million for construction of bridges (*includes bridges for farm roads*).

The list of major road construction and maintenance with secured funding is presented in Table-B.4.1 below.

Table-B.4.1 Construction of Roads with Secured Funding

Sl. No.	Activities	Amount (Nu. in millions)	Target (km/ Nos.)	Funding
A Construction of Primary National Highways				
1	Nangar-Ura road Bumthang (spillover)	40.000	32	RGoB
2	Manitar-Raidak road Manitar side Chhukha	39.259	21	ADB/RGoB

3	Raidak-Manitar road Raidak side Chhukha	38.278	16	ADB/ RGoB
4	Raidak-Lhamoidzingkha road Dagana	50.000	23	ADB/RGoB
5	Gyalpoizhing-Nganglam highway Mongar (spillover)	385.650	24	GoI
6	Samdubchheoling-Samrangroad S/Jongkhar	35.805	23	ADB/RGoB
7	Samtse-P/ling road Samtse(spillover)	80.000	50	RGoB
8	Realignment of Hiley checkpost road Sarpang	30.000	1	GoI
9	Gomphu-Panbang highway Zhemgang (spillover)	140.000	25	GoI
10	Panbang-Amshingwung road Panbang side Zhemgang	40.000	18	ADB/RGoB
11	Amshingwung-Panbang road Amshingwung side Zhemgang	40.000	18	ADB/RGoB
12	Tingtibi-Wangdigang bypass road Phase I Zhemgang (spillover)	152.800	16	ADB/RGoB
13	Survey and Design for RNP II	78.911		ADB/RGoB

Source Ministry of Finance June 2010, National Budget 2010-11

Table-B.4.2 Construction of Secondary National Highways

1	Zameychhu-Gasa road Gasa (spillover)	46.370	8	RGoB
2	Halaley-Dorokha road Samtse (spillover)	34.000	26	RGoB

Source Ministry of Finance June 2010, National Budget 2010-11

Table-B.4.3 Construction of Dzongkhag Roads

1	Meritsemo-Bongo road Chhukha (continuation)	85.860	17	ADB/RGoB
2	Dujeyang-Balung road and Tshangkha road Dagana (spillover)	0.000	1	WB/RGoB
3	Dujeyang-Balung road Dagana (spillover)	29.230	5	WB/RGoB
4	Autsho - Gumrang road Lhuenste (spillover)	65.200	14	ADB/RGoB
5	Gorbagtang-Chhali road Mongar (spillover)	80.250	12	ADB/RGoB
6	Khar-Tsebar road P/Gatshel (spillover)	8.000	10	WB/RGoB
7	Tsebar-Yurung road P/Gatshel (spillover)	65.000	19	WB/RGoB
8	Tsebar-Khairi road P/Gatshel	43.813	24	ADB/RGoB
9	Khairi-Durungri road P/Gatshel	28.560	38	ADB/RGoB
10	Kharungla-Kangpara road T/gang (spillover)	25.420	38	ADB/RGoB
11	Tashidingkha-Chhubacheodten road W/Phodang (spillover)	16.200	4	WB/RGoB

Source Ministry of Finance June 2010, National Budget 2010-11

As shown in Table-B.4.4 below, the total number of farm roads proposed by dzongkhags is listed with Paro Dzongkhag having the most number of farm roads to be constructed at 134 followed by Samdrup Jongkhar at 81 farm roads and Samtse at 78 farm roads. Tashiyangtse and Tongsa dzongkhags have the least number of farm roads proposed with 21 each. The details of the proposed farm roads for each dzongkhag are given in Appendix-B: Proposed Farm Roads by Dzongkhag.

Table-B.4.4 Total Number of Farm Roads Proposed by Dzongkhags

Dzongkhag	Nos of Farm Raods and PTT Proposed
Bumthang	43
Chhukha	55
Dagana	39
Gasa	32
Haa	48
Lhuentse	34
Monggar	57
Paro	134
Pemagatshel	59
Punakha	62
Samdrupjongkhar	81
Samtse	78
Sarpang	63
Thimphu	27
Trashigang	50
Trashiyangtse	21
Trongsa	21
Tsirang	40
Wangduephodrang	60
Zhemgang	41
Grand	1045

There are presently 64 different roads of various types under construction. The detailed list can be viewed in Table-B.4.5 to B.4.9.

Table-B.4.5 Existing road network by Dzongkhags (30th June 2009)

Sl. #	Dzongkhag	Expressway	Primary National Highway	Secondary National Highway	Dzongkhag Road	Thromden Road	Farm Road	Access Road	Total of all Roads	Percentage
		(Km)	(Km)	(Km)	(Km)	(Km)	(Km)	(Km)	(Km)	
1	Chukha		229.9		42	15.1	24.9	222.63	534.53	9.0%
2	Mongar		217	20	51.2	7.9	136.8	89.54	522.44	8.8%
3	Thimphu	6.2	68		48.7	121.2	30	175.74	449.84	7.5%
4	Trashighang		121.5	5	119.9	5.9	118.2	73.81	444.31	7.4%
5	Wangdue		139	2.5	96.2	6	66.7	120.52	430.92	7.2%
6	Paro		103	36.4	26.1	5.2	173.9	58.39	402.99	6.8%
7	Punakha		52	33	40.3	4.4	138.1	88.61	356.41	6.0%
8	Sarpang		123.4		40.3	0.4	87.1	94.85	346.05	5.8%
9	Bumthang		151.5		33	1.7	82.5	72.1	340.8	5.7%
10	Zhemgang		111	38	62.8	7	43.3	27.03	289.13	4.8%
11	Trongsa		164		24.2	0.6	75.4	10.16	274.36	4.6%
12	S/Jongkhar		71.5	50	17	7.6	55.8	29.9	231.8	3.9%
13	Lhuntse			45	54.4	0.8	74.7	34	208.9	3.5%
14	Tsirang		66		28.2	1.5	55.7	52.5	203.9	3.4%
15	Dagana			87	49.7	1.5	43.1	20.1	201.4	3.4%
16	Samtse		45	49	51.6	7.4	30.7	10.3	194	3.3%
17	Tashi Yangtse			40	31.2	8.7	64.1	24.8	168.8	2.8%
18	Haa		16	25.6	16	3.8	27.6	72	161	2.7%
19	Pemagathsel			23	50.5		57.9	26.07	157.47	2.6%
20	Gasa			36.2			9.2		45.4	0.8%
	Total		1678.8	490.7	883.3	206.7	1395.7	1303.05	5964.45	100.0%

Source: DoR, MOIC, 2009, Annual Information Bulletin 2009

Table-B.4.6 Agency-wise abstract of Roads

Agency	Primary National Highway	Secondary National Highway	Dzongkhag Road	Thromden Road	Farm Road	Access Road	Total of all Roads	Percentage
Department of Roads	1205.1	428.7	774.2	137.8	0	160.8	2706.6	45%
Project Dantak	479.9	62	16			1.6	559.5	9%
Dzongkhag Administration			93.2	68.9	979.3	223	1364.4	23%
Department of Agriculture and Livestock services					416.4	56	472.4	8%
Department of Education						41.7	41.7	1%
Bhutan Telecom						52.6	52.6	1%
Department of Energy						163.3	163.3	3%
Private Individuals/ Firms						52.7	52.7	1%
Department of Forestry Services						551.4	551.4	9%
Total	1685	490.7	883.4	206.7	1395.7	1303.1	5964.6	100%

Source: DOR, Annual Information Bulletin 2009 (Road length in KM)

Table-B.4.7 Proposed Farm roads by Dzongkhag

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
13	Nangsiphel Farm Road	Farm Road			Chokhor	Bumthang	3088.08
14	Nasiphel to Changwa	Farm Road			Chokhor	Bumthang	1759.14
15	Dhur to Pangkharghar	Farm Road			Chokhor	Bumthang	2759.93
16	Lusibe Farm Road	Farm Road			Chokhor	Bumthang	2380.08
17	Pankhar Farm Road	Farm Road			Chokhor	Bumthang	2257.64
18	Pankhar to Thongkhana	Farm Road			Chokhor	Bumthang	1056.09
19	Phokhar Farm Road	Farm Road			Chokhor	Bumthang	228.86
20	Trashipong Farm Road	Farm Road			Chokhor	Bumthang	1850.08
21	Tabithang Fram Road	Farm Road			Chokhor	Bumthang	692.58
22	Changbi Farm Road	Farm Road			Chokhor	Bumthang	1633.43
23	Gongkhar Gonpa Farm Road	Farm Road			Chokhor	Bumthang	1947.51
24	Zangling Farm Road	Farm Road			Chokhor	Bumthang	4961.26
25	Samteling Farm Road	Farm Road			Chumey	Bumthang	4225.24
26	Domkhar Farm Road	Farm Road			Chumey	Bumthang	1958.32
27	Zingbi Farm Road	Farm Road			Chumey	Bumthang	1290.49
28	Zhijag Farm Road	Farm Road			Chumey	Bumthang	6669.09
29	Hurjee Farm Road	Farm Road			Chumey	Bumthang	1712.27
30	Ungsang Farm Road	Farm Road			Chumey	Bumthang	1630.20
31	Thromay Farm Road	Farm Road			Chumey	Bumthang	566.77
32	Zhungnye Farm Road	Farm Road			Chumey	Bumthang	3759.83
33	Trakar Farm Road	Farm Road			Chumey	Bumthang	2593.28
34	Nangar Farm Road	Farm Road			Chumey	Bumthang	1852.44
35	Chungphel Farm Road	Farm Road			Chumey	Bumthang	4948.61
36	Bim Tharpaling PTT	PTT			Chumey	Bumthang	9991.03
1	Benzibi	Farm Road			Tang	Bumthang	4849.50
2	Sermith	Farm Road			Tang	Bumthang	787.17
3	Nangnang	Farm Road			Tang	Bumthang	1231.06
4	Kebajai	Farm Road			Tang	Bumthang	1421.86
5	Jamshong to Yerong	Farm Road			Tang	Bumthang	300.10
6	Kuenzangdrak	Farm Road			Tang	Bumthang	3646.02
37	Tangtangma Farm Road	Farm Road			Tang	Bumthang	4632.51
38	Bragtewa Farm Road	Farm Road			Tang	Bumthang	3557.31
39	Tayam Farm Road	Farm Road			Tang	Bumthang	8335.44
40	Phangkhar Farm Road	Farm Road			Tang	Bumthang	3990.04
41	kambipong	Farm Road			Tang	Bumthang	2985.32
42	Lamezhugthri	Farm Road			Tang	Bumthang	2001.21
43	Nagphey	Farm Road			Tang	Bumthang	687.80
7	Shingkhar to Tongzibi	Farm Road			Ura	Bumthang	2799.33
8	Yogbling to Chungthang	Farm Road			Ura	Bumthang	1649.99
9	Sergim to Singthama	Farm Road			Ura	Bumthang	2917.94
10	Ura Lhakhang to Serchala	Farm Road			Ura	Bumthang	2335.01
11	Shingner to Menchugang	Farm Road			Ura	Bumthang	865.74

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
12	Kakteng to Khanloo	Farm Road			Ura	Bumthang	3038.00
44	Highway - Darjaygang	Farm Road				Chhukha	11557.05
45	Singye - PanaA	Farm Road				Chhukha	6843.10
46	PanaA - Dungeyna	Farm Road				Chhukha	7522.18
47	Dungeyna - Tashima	Farm Road				Chhukha	4782.04
48	Rupang(Road head) - Samachen	Farm Road				Chhukha	8750.47
49	Kesari - Zhemeythang	Farm Road				Chhukha	7434.91
50	Highway - Geling	PTT				Chhukha	13151.95
51	Highway - Omchu	Farm Road				Chhukha	17050.56
52	Highway - Lomji	Farm Road				Chhukha	6400.68
53	Highway - Gor Gonpa	Farm Road				Chhukha	10619.18
54	Highway - Chamdra	Farm Road				Chhukha	11353.78
55	Tsimasham - Tsimakha	Farm Road				Chhukha	1439.77
56	Existing Farmroad - Lower Bjachhu	PTT				Chhukha	3129.32
57	Upper Bjachhu - Bjachhu Lhakhang	Farm Road				Chhukha	1896.86
58	Jungley - Bongo	Farm Road				Chhukha	5057.13
59	Damji - Ketokha	Farm Road				Chhukha	4594.66
60	Meritsemo Feeder rd - Pakshikha	PTT				Chhukha	2826.92
61	Gedu chhu - Gedu Tashigang	PTT				Chhukha	2573.63
62	Gedu chhu Feeder rd - Ribana	PTT				Chhukha	2467.88
63	Meritsemo Feeder rd - Alaykha	PTT				Chhukha	1342.95
64	Meritsemo - Getanang geog	Farm Road	FDR-B			Chhukha	61361.43
65	Badi zam - Damji	Farm Road				Chhukha	5883.09
66	BBPL feeder rd - Biri	PTT				Chhukha	2791.89
67	Bjachho Dzong lam - Toktokha Gom	PTT				Chhukha	8852.86
68	Bongo - Phatsima	PTT				Chhukha	7116.00
69	Meritsemo - Arikha	PTT				Chhukha	7879.51
70	Shinckekha Feeder rd - Shinckekha	PTT				Chhukha	1413.86
71	Getanang - Daga	Farm Road				Chhukha	14797.70
72	Getanang - Gesarling geog (Dagana)	Farm Road				Chhukha	15672.47
73	Doyagaon suspension bridge - Lokchina	Farm Road	FDR-B			Chhukha	19523.62
74	Kuenkha - Lokchina	Farm Road				Chhukha	12798.90
75	Lokchina - Dungna	Farm Road	FDR-B			Chhukha	21684.31
76	Rudingkha - Chadokha	Farm Road				Chhukha	5399.29
77	Damckekha - Jachhu	Farm Road				Chhukha	4425.80
78	Lokchina - Chimuna	Farm Road	FDR-C			Chhukha	13215.69
79	Jadokha - Amalay	PTT				Chhukha	2402.67
80	Dungna - Metakha	Farm Road	FDR-B			Chhukha	13090.25
81	Kuenkha - Dungna	Farm Road				Chhukha	22286.44
82	Dungna - Mondokha	Farm Road				Chhukha	7190.39
83	Dungna - Nganglashong	Farm Road				Chhukha	1105.24
84	Metakha - Gumina	Farm Road				Chhukha	5341.94
85	Metakha - Tomnatingkha	Farm Road				Chhukha	4692.21

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
86	Metakha - Bjozingkha	Farm Road				Chhukha	2834.70
87	Existing road to Pekashi	Farm Road				Chhukha	3737.01
88	Rangaytrung to PanaB	PTT				Chhukha	3199.10
89	Existing Road to Mebisa	PTT				Chhukha	778.27
90	Jigme chhu to Baikinza	PTT				Chhukha	6532.15
91	Phatsima to Zamsa	PTT				Chhukha	6147.00
92	Tanalung to Gemo aring	PTT				Chhukha	2364.92
93	Laptsa gongma to Bebjikha	Farm Road				Chhukha	1787.99
94	Existing road to Tabji	Farm Road				Chhukha	8754.28
95	Chilaaney to Chomchey	PTT				Chhukha	12255.44
96	Pasakha road to Toribari	PTT				Chhukha	1267.16
97	Doyagaon suspension bridge - Lokchina	Farm Road	FDR-B			Chhukha	19523.62
98	Doyagaon suspension bridge - Lokchina	Farm Road	FDR-B			Chhukha	19523.62
100	Upper Gangzur- Lower Gangzur	PTT		Yes	Yes	Dagana	3834.89
101	Dagapela Market - Norbuzingkha	PTT		Yes	Yes	Dagana	4312.54
102	Gesarling - Gangjab	PTT		Yes	Yes	Dagana	3721.44
104	Lower Pangserpo (Tshochenbi) - Upper Pangserpo	PTT		Yes	Yes	Dagana	4045.54
107	Drujeygang - Lajab (Phunsumgang)	Farm Road	FDR-A	Yes	Yes	Dagana	23505.11
116	Trashiding - Namchela	Farm Road		Yes	Yes	Dagana	7738.47
119	Trashiding - Lodoma	PTT		Yes	Yes	Dagana	5597.26
121	Trashigang - Samey	PTT		Yes	Yes	Dagana	2743.89
122	Daga Dzong - Jangsagang	PTT		Yes	Yes	Dagana	2398.85
123	Upper Baligang road end to Dogag School	PTT		Yes	Yes	Dagana	2758.33
99	Khagochen-Samachhu	Farm Road				Dagana	28325.83
103	Nimtola -Nimtola Khola	PTT				Dagana	6491.84
105	Lower Pangna - Thangna Tingibi	Farm Road				Dagana	4803.93
106	Upper Pangna - Patala	Farm Road				Dagana	8669.14
108	Phunsumgang - Balung	Farm Road				Dagana	7794.56
109	Kompa - Thasa	Farm Road				Dagana	7862.68
110	Sipa (Zero) - Sipa	Farm Road				Dagana	2381.50
111	Phunsumgang - Etshipu	Farm Road				Dagana	1947.26
112	Balung - Tachoe	Farm Road				Dagana	6238.88
113	Tshangkha - Geleychu/Salamji	Farm Road				Dagana	7757.83
114	Tshangkha - Tisgarey	Farm Road				Dagana	4983.13
115	Lower Petakha - Menamji/Nobding	Farm Road				Dagana	1482.06
117	Shamdalay - Namchela	Farm Road				Dagana	2382.36
118	Namchela - Gopini	Farm Road				Dagana	12469.58
120	Trashigang - Khizo	Farm Road				Dagana	9051.58
124	Army camp to Shimina Khola	Farm Road				Dagana	3028.84
125	Churchhu to Akhochen	Farm Road				Dagana	9132.20
126	Geepsa to Phekoma	Farm Road				Dagana	10087.68
127	Akhochen to Giuthang	Farm Road				Dagana	8031.89
128	Nimtola to Banglachhu	PTT				Dagana	9631.07

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
129	Drujeygang-Khebisa road to Tarithang	Farm Road				Dagana	3406.01
130	Kashithang to Namzhigang	Farm Road				Dagana	12910.31
131	Highway to Kanakha	PTT				Dagana	2690.04
132	Burichhu to Thasa	PTT				Dagana	2699.91
133	Devitar Farm Road	Farm Road				Dagana	24090.46
134	Majhigaon Farm Road	Farm Road				Dagana	2370.84
135	Dalbari to Deorali	Farm Road				Dagana	9800.69
136	Dalbari to Dorjiphu	PTT				Dagana	3161.63
137	Solaytar to Katarey	Farm Road				Dagana	8269.83
138	Tashithang-Amochu Farm Road	Farm Road			Khame	Gasa	2221.31
139	Tabsham to Khaisham PTT	PTT			Khame	Gasa	578.74
140	Khailo to Tshendentsawa PTT	PTT			Khame	Gasa	452.11
141	Khawza to Gamana PTT	PTT			Khame	Gasa	1810.34
142	Kabina to Boeshina PTT	PTT			Khame	Gasa	472.94
143	Yamina to Chalakha PTT	PTT			Khame	Gasa	203.01
144	Labgang to Selikha PTT	PTT			Khame	Gasa	564.18
155	Tashithang-Amochu Farm Road	Farm Road			Khame	Gasa	2221.31
156	Tabsham to Khaisham PTT	PTT			Khame	Gasa	578.74
157	Khailo to Tshendentsawa PTT	PTT			Khame	Gasa	452.11
158	Khawza to Gamana PTT	PTT			Khame	Gasa	1810.34
159	Kabina to Boeshina PTT	PTT			Khame	Gasa	472.94
160	Yamina to Chalakha PTT	PTT			Khame	Gasa	203.01
161	Labgang to Selikha PTT	PTT			Khame	Gasa	564.18
162	Gashinggu ro Sisibara	Farm Road			Khame	Gasa	1577.54
146	Zamizam to Gasa Farm Road	Farm Road			Khatoe	Gasa	11860.32
147	Lingmithang to Remi Farm Road	Farm Road			Khatoe	Gasa	6263.05
148	zamiZam To Tshebgang PTT	PTT			Khatoe	Gasa	3596.34
163	Zamizam to Gasa Farm Road	Farm Road			Khatoe	Gasa	11860.32
164	Lingmithang to Remi Farm Road	Farm Road			Khatoe	Gasa	6263.05
165	zamiZam To Tshebgang PTT	PTT			Khatoe	Gasa	3596.34
150	Taktshemeka to Tokor				Laya	Gasa	5716.37
151	Taktsemaka to Gayza				Laya	Gasa	4751.64
152	Pashi to Neilo				Laya	Gasa	2261.30
153	Neilo to Lungo				Laya	Gasa	6199.00
166	Lingmethang toTaktshemakha	Farm Road			Laya	Gasa	38257.61
167	Taktshemeka to Tokor	Farm Road			Laya	Gasa	5716.37
168	Taktsemaka to Gayza	Farm Road			Laya	Gasa	4751.64
169	Pashi to Neilo	Farm Road			Laya	Gasa	2261.30
170	Neilo to Lungo	Farm Road			Laya	Gasa	6199.00
154	Walathang Punakha to Heydi				Lunana	Gasa	48053.37
171	Walathang Punakha to Heydi	Farm Road			Lunana	Gasa	48053.37
181	Yangthang FR to Farekha	FR			Bji	Haa	2362.60
182	Jamgoen Lhakhang to Sinchuphama	FR			Bji	Haa	2474.44

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
183	Gyensa FR to Tokey	FR			Bji	Haa	545.70
184	Tshekha to mid Chumpa	FR			Bji	Haa	1410.81
185	Longlong FR end to Longlo village	PTT			Bji	Haa	1252.40
186	Parking FR to Tsenkha	PTT			Bji	Haa	947.28
187	Highway to Gechukha centre	FR			Bji	Haa	454.72
188	Highway to Machena end	FR			Bji	Haa	349.85
189	Yangoenpa FR end to Goem Gongma	PTT			Bji	Haa	1098.76
200	Dorithasa to Kowokha	FR			Gakiling	Haa	14775.03
201	Kowokha to Rangtse	FR			Gakiling	Haa	5189.88
202	Dorithasa to Yangtse	FR			Gakiling	Haa	5456.47
203	Yangtse to Ngatse	FR			Gakiling	Haa	14440.03
204	Ngatse to Puchina	FR			Gakiling	Haa	3866.05
205	Ngatse to Thangdokha	FR			Gakiling	Haa	6017.65
206	Thangdokha to Saijong	FR			Gakiling	Haa	6951.16
207	Rangtse to Yowokha	FR			Gakiling	Haa	4988.15
208	Yowokha to Tangnga	FR			Gakiling	Haa	6336.60
209	Kowokha to Mochhu	FR			Gakiling	Haa	3438.51
210	Dorikha (Tegola) to Dorithasa	FR			Gakiling	Haa	53635.49
211	Dorokha to Rangtse FR	FR			Gakiling	Haa	14487.79
172	Bali farm Road end to Katsho Damthang	PTT			Katsho	Haa	1977.25
173	Kajena FR end to Darding	FR			Katsho	Haa	6120.02
174	Nyachu to Jaynasham	PTT			Katsho	Haa	1123.59
175	Namchu to Gangkha	PTT			Katsho	Haa	513.36
176	Nyachu to Kajena	FR			Katsho	Haa	2347.41
177	Highway to Wangtse via Rama	PTT			Katsho	Haa	1059.63
213	Lhukha Rampa to Sinchu Goma	PTT			Katsho	Haa	1369.56
214	Sinchu Goma to Junaydra	PTT			Katsho	Haa	831.20
198	Shari FR	FR			Samar	Haa	4506.84
199	Puduna FR	FR			Samar	Haa	1594.50
217	Longpa to Mendhana	PTT			Samar	Haa	5502.86
219	Sektena Farm Road	FR			Samar	Haa	41353.02
190	Shabjee to Shaba	FR			Sangbay	Haa	7071.96
191	Shaba to Sangbay Ama	FR			Sangbay	Haa	12451.34
192	Sangbay Ama to Nakhekha	FR			Sangbay	Haa	1650.64
193	Nakhekha to Trashigang	FR			Sangbay	Haa	12126.31
194	Trashigang to Tima	FR			Sangbay	Haa	4451.02
195	Tima to Shama	FR			Sangbay	Haa	10321.49
196	Shama to Yaba	FR			Sangbay	Haa	1435.26
197	Yaba to Mochhu	FR			Sangbay	Haa	11897.37
212	Dorokha to Sombaykha	FR			Sombaykha	Haa	64699.61
218	Dorikha to Sombay Ama	FR			Sombaykha	Haa	53186.48
178	Tselungkha to Shingkalu	FR			Uesu	Haa	1087.28
179	Bangena to Dapchenkha	FR			Uesu	Haa	1604.08

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
180	Kana zam to Kapthang	PTT			Uesu	Haa	1129.91
215	Dumchu Farm Road	FR			Uesu	Haa	704.42
216	Betsho to Girina	FR			Uesu	Haa	3243.52
222	Lingabee to Ney	Farm Road			Gangzur	Lhuentse	12099.37
223	Thrima to Shawa	Farm Road			Gangzur	Lhuentse	8375.92
224	Kilung-Magar to Somshing	Farm Road			Gangzur	Lhuentse	4614.81
225	Jalamzur to Amtse	Farm Road			Gangzur	Lhuentse	1512.71
226	Phalling town to Jang	Farm Road			Gangzur	Lhuentse	4575.60
227	Denkaling to Ngar	Farm Road			Gangzur	Lhuentse	3426.83
228	Eupalingzur to Tsholing	Farm Road			Gangzur	Lhuentse	4207.60
244	Gorgan to Nganey	Farm Road			Jarey	Lhuentse	22158.44
245	Autsho to Ladrong	Farm Road			Jarey	Lhuentse	12203.63
246	Ladrong to Yumchey	Farm Road			Jarey	Lhuentse	3624.25
229	Khoma to Tsikang	Farm Road			Khoma	Lhuentse	17452.32
230	Khoma to Ganglakhema	Farm Road			Khoma	Lhuentse	10660.44
231	Khomazam to Gonpakarp	Farm Road			Khoma	Lhuentse	8656.32
232	Khoma to Baplong	Farm Road			Khoma	Lhuentse	8166.30
233	Khoma to Pangkhar	Farm Road			Khoma	Lhuentse	7437.98
234	Khoma to Berpa	Farm Road			Khoma	Lhuentse	3072.02
235	Khoma to Nyelumdung	Farm Road			Khoma	Lhuentse	4634.45
220	Tabi to Waiwai	Farm Road			Kurtoe	Lhuentse	7407.30
221	Tabi to Jasabi	PTT			Kurtoe	Lhuentse	7582.83
250	Zhungkhar to Yomey	Farm Road			Menbi	Lhuentse	11305.69
251	Dangling to Rawabi	Farm Road			Menbi	Lhuentse	4533.84
252	Phagidung to Gorgan	Farm Road			Menbi	Lhuentse	2342.78
253	Kusumphey to Murmur	Farm Road			Menbi	Lhuentse	4869.98
247	Gorgan to Gortshum	Farm Road			Metsho	Lhuentse	12279.71
248	Yomey to Gortshum	Farm Road			Metsho	Lhuentse	8072.19
249	Gortshum to Ungar	Farm Road			Metsho	Lhuentse	8695.58
236	Minjey to Chengling	Farm Road			Minjey	Lhuentse	10981.53
237	Minjey to Drakgong	Farm Road			Minjey	Lhuentse	5177.67
238	Kupinyelsa to Gonpa	Farm Road			Minjey	Lhuentse	5192.83
239	Khardung to Budur Toe	Farm Road			Minjey	Lhuentse	3039.58
240	Minjey to Tongling	Farm Road			Minjey	Lhuentse	5429.57
241	Khardung to Lagay	Farm Road			Tsenkhar	Lhuentse	8413.20
242	Umling to Bangtsho	Farm Road			Tsenkhar	Lhuentse	3667.54
243	Tsenkhar to Tekhar	Farm Road			Tsenkhar	Lhuentse	7878.52
285	Dremetshe to Ballam	Farm Road			Ballam	Monggar	21148.15
286	Ballam to Jadung	PTT			Ballam	Monggar	4071.19
287	Kafu to Champhai	Farm Road			Ballam	Monggar	10526.40
288	Gangola to Chali	PTT			Chali	Monggar	5618.60
254	Kadam to Pam	Farm Road			Chaskhar	Monggar	4656.67
255	Thangrong Farm Road to Goenpa	Farm Road			Chaskhar	Monggar	1715.42

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
256	Kharnang Lamwog to Atingkhar	Farm Road			Chaskhar	Monggar	4137.54
257	Kadam to GumdariLungbagtang	PTT			Chaskhar	Monggar	3064.11
258	Chaskhar Primary School to Sanglimzor	PTT			Chaskhar	Monggar	3034.17
259	YangraPhungshing to Jakhoe	Farm Road			Chaskhar	Monggar	7791.58
289	Dremetshe to Shaphangma	PTT			Dremetshe	Monggar	3811.35
290	Gob to Waichur Community Primary School	PTT			Dremetshe	Monggar	192.60
260	Wangling to Drepong	Farm Road			Drepong	Monggar	4678.23
261	Kilikhar to Zunglen	PTT			Drepong	Monggar	17798.56
262	Gyelposhing to Tsankhar	PTT			Drepong	Monggar	11941.71
263	Tsankhar to Zunglen	PTT			Drepong	Monggar	7234.97
264	Gorthongla to Daksa	Farm Road			Gongdue	Monggar	20296.16
265	Daksa to Yangbari	Farm Road			Gongdue	Monggar	15137.20
291	Weringla to Daksa	Farm Road			Gongdue	Monggar	12590.87
292	Songsongma to Korphu	Farm Road			Jurmey	Monggar	9801.91
293	Korphu to Belam	Farm Road			Jurmey	Monggar	6205.70
294	Belam to Yaragla	Farm Road			Jurmey	Monggar	6205.50
297	Nagtshang to Nanari	PTT			Kengkhar	Monggar	1523.38
298	Nagtshang to Murung	PTT			Kengkhar	Monggar	3777.37
299	Murung to Munmang	PTT			Kengkhar	Monggar	3826.97
300	Nanari to Tsalabi	PTT			Kengkhar	Monggar	2895.21
295	Zimzorong to Yudari	Farm Road			Kengkhar	Monggar	13044.08
296	Yudari to Nagtshang	Farm Road			Kengkhar	Monggar	10613.83
301	Barpang to Wangling	PTT			Monggar	Monggar	4940.01
302	Narang to Khalong	PTT			Narang	Monggar	6261.98
267	Khochi Gonpa to Ropthangkhar	PTT			Ngatshang	Monggar	2228.26
268	Zangthari to Thumbari	PTT			Ngatshang	Monggar	1946.49
269	Bachi to Jakhoe	PTT			Ngatshang	Monggar	3493.54
266	Kalapang to Resa	Farm Road			Saleng	Monggar	14500.98
270	Galarodung to Masangdaza	PTT			Saleng	Monggar	3858.38
271	Tinkharbi to Tsanzabi	Farm Road			Saleng	Monggar	5613.76
272	Menchugang to Saleng	Farm Road			Saleng	Monggar	8760.72
273	Dzongrawa to Zhugthri	Farm Road			Saleng	Monggar	4828.25
274	Kalapang to Broksar	Farm Road			Saleng	Monggar	13077.59
303	Shershong to Jabgang	PTT			Shermuhung	Monggar	7033.70
304	Shershong to Khabrag	Farm Road			Shermuhung	Monggar	9693.38
305	Jabgang to Muhung	PTT			Shermuhung	Monggar	4529.29
306	Muhung to Shiling	PTT			Shermuhung	Monggar	6119.49
307	Sershong to Gangmung	PTT			Shermuhung	Monggar	5118.86
308	Broksar to Salipong	PTT			Silambi	Monggar	53384.38
275	Resa to Silambi	Farm Road			Silambi	Monggar	24275.34
276	Silambi to Weringla	Farm Road			Silambi	Monggar	22130.13
277	Boucholing to Changshing Gonpa	Farm Road			Thangrong	Monggar	6425.87

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
278	Changshing Gonpa to Artola	Farm Road			Thangrong	Monggar	5950.57
279	Gorbagtang to Boucholing	PTT			Thangrong	Monggar	2228.71
280	Gorbagtang to Ngarpontang	PTT			Thangrong	Monggar	4607.23
281	Ngarpontang to Lingkhar	PTT			Thangrong	Monggar	10676.43
282	Gorbagtang to Chapola	PTT			Thangrong	Monggar	5663.33
309	Palangphu to Torshong	Farm Road			Tsakaling	Monggar	4871.13
310	Gorbagtang-Autsho Road to Torshong	Farm Road			Tsakaling	Monggar	10066.71
283	Tsamang to Banjar	Farm Road			Tsamang	Monggar	9348.75
284	Banjar to Ganglaping	Farm Road			Tsamang	Monggar	20587.65
422	Dzonga to Gomchenbara	Farm Road			Dogar	Paro	4215.42
423	Dala to Tashidingkha	Farm Road			Dogar	Paro	1778.93
424	Tashigang to Lamjikha	Farm Road			Dogar	Paro	342.09
425	Lomekha to Thojekha	PTT			Dogar	Paro	1020.55
426	Goensakha to Tshoga	Farm Road			Dogar	Paro	937.12
427	Zabchukha to Phuchekha	Farm Road			Dogar	Paro	1463.55
428	issuna to Dzongkha	PTT			Dogar	Paro	1303.42
429	Issuna to Lamtaba	PTT			Dogar	Paro	460.19
430	Issuna to Lumpa	PTT			Dogar	Paro	351.55
431	Issu Zampa to Mendi	Farm Road			Dogar	Paro	4430.93
432	Zamchu to Zabkha	PTT			Dogar	Paro	400.33
433	Mendi to Lumpa	PTT			Dogar	Paro	705.32
396	Rechukha to Changthang	PTT			Dopshari	Paro	1274.87
397	Singyezakha to Daribu	PTT			Dopshari	Paro	285.84
398	Dabelo to Gaychubu	PTT			Dopshari	Paro	655.42
399	Tajumo to Chongna	PTT			Dopshari	Paro	492.06
400	Thangkha to Tshekha	PTT			Dopshari	Paro	315.73
401	Donamu to Lungsigang	Farm Road			Dopshari	Paro	505.76
402	Lhakhangtsawa to Chabseygang	Farm Road			Dopshari	Paro	513.33
403	Dobaumtsawa to Dobum	Farm Road			Dopshari	Paro	557.51
404	Damchewoma to Damchegongma	Farm Road			Dopshari	Paro	751.60
405	Tangkhatse to Jorithang	Farm Road			Dopshari	Paro	1468.32
434	Tanju to Lanzukha	Farm Road			Dopshari	Paro	552.21
435	Kuceytshokha to Gacheholo	Farm Road			Dopshari	Paro	805.73
386	Chuosa to Limka	Farm Road			Dopshari	Paro	276.98
387	Jorithang to Luchu	Farm Road			Dopshari	Paro	466.12
388	Jakathang to Tajimitselo	PTT			Dopshari	Paro	326.93
389	Damji to Peljorling	Farm Road			Dopshari	Paro	578.72
390	Jangsina to Kothangkha	PTT			Dopshari	Paro	521.59
391	Khimsabu to Sep	Farm Road			Dopshari	Paro	753.17
392	Choekha to Changtho	PTT			Dopshari	Paro	883.40
393	Changtho to Rimdho	PTT			Dopshari	Paro	897.29
394	Richukha to Tshekha	Farm Road			Dopshari	Paro	841.56
395	Gedigu to Samakha	Farm Road			Dopshari	Paro	1590.58

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
375	Bjishingtsa to Naritse	PTT			Doteng	Paro	879.50
376	Gewog Centre to Chubar	PTT			Doteng	Paro	1400.85
377	Gewog Centre to Lichutshekha	Farm Road			Doteng	Paro	913.99
378	Chinto to Langobara	Farm Road			Doteng	Paro	3921.46
379	Semkha to Dorithangkha	Farm Road			Doteng	Paro	1650.85
380	Dotsho to Nashikha	PTT			Doteng	Paro	763.13
381	Rekayna to Gangchu	Farm Road			Doteng	Paro	1055.25
382	Jabjizampa to nangolhamo	Farm Road			Doteng	Paro	689.68
383	Jukatsatsakha to Jakadongri	PTT			Doteng	Paro	446.09
384	Gewog Centre to jabji	Farm Road			Doteng	Paro	370.00
385	Sujab to Dakachangma	Farm Road			Doteng	Paro	5439.11
370	Garizampa to Tapchugang	Farm Road			Hungrel	Paro	1338.54
371	Changjongmatena to Goenkha	Farm Road			Hungrel	Paro	7163.29
372	Damjizampa to Penjorling	Farm Road			Hungrel	Paro	1997.62
373	Rimphung to Horeykha/Goensakha	PTT			Hungrel	Paro	1374.55
374	Chubjakha to Tshomeygem	Farm Road			Hungrel	Paro	3004.45
436	Benzing to yamchokha	PTT			Lamgong	Paro	677.80
437	Ezhikha to Gangteykha	Farm Road			Lamgong	Paro	2241.32
438	Nashikha to Thamjee	PTT			Lamgong	Paro	2458.58
439	Dongtey to Basey	Farm Road			Lamgong	Paro	976.69
440	Khago to Setokha	PTT			Lamgong	Paro	354.77
441	Gensa to Chokortey	Farm Road			Lamgong	Paro	1472.94
442	Tsekha to Nashipang	Farm Road			Lamgong	Paro	563.82
443	Chutakhangu to Gonachorten	PTT			Lamgong	Paro	651.47
444	Chutakha to Gumshi	PTT			Lamgong	Paro	223.73
367	Chazamgongto to Namjagang	PTT			Lamgong	Paro	605.26
368	Chazey to Zuguma	PTT			Lamgong	Paro	413.10
369	Gawa to Jangteykha	PTT			Lamgong	Paro	312.84
336	Tangka to Damjo	Farm Road			Lungnyi	Paro	555.47
337	Panajungo to Donachenkha	Farm Road			Lungnyi	Paro	678.19
338	Changchulhakhang to Tshephelo	Farm Road			Lungnyi	Paro	1545.50
339	Gabjathanka to talu	PTT			Lungnyi	Paro	1560.10
340	Changchelhakhang to Lambetey	PTT			Lungnyi	Paro	1075.73
341	Pebchu to Jansabu	Farm Road			Lungnyi	Paro	1154.84
342	Samagumtey to Jewshari	Farm Road			Lungnyi	Paro	1550.46
343	Jagaymenchu to Dadolhakhang	Farm Road			Lungnyi	Paro	1070.19
344	Tangkhamba to Sekhu	Farm Road			Lungnyi	Paro	327.09
345	Lingchetsakha to Limchen	PTT			Lungnyi	Paro	419.76
346	Bemdro to Dobu	PTT			Lungnyi	Paro	141.96
347	Sema to Peri	PTT			Lungnyi	Paro	142.28
348	Chuthakha to Jangkha	PTT			Lungnyi	Paro	98.89
356	Neychokha to Damcho	PTT			Nagja	Paro	852.19
357	Neychokha to Danzhigang	PTT			Nagja	Paro	1094.65

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
358	Neychokha to Gundapangkha	PTT			Nagja	Paro	635.95
359	Gokey to Hechu	Farm Road			Nagja	Paro	1581.96
360	Wanakha to Doley	Farm Road			Nagja	Paro	2491.08
361	Tokha to Omnazingkha	PTT			Nagja	Paro	979.48
362	Nemu to Chuthakha	PTT			Nagja	Paro	859.12
363	Menchu to Goenpa	Farm Road			Nagja	Paro	1734.06
413	Lingshi to Ferokha	Farm Road			Nagja	Paro	5120.45
414	Jadokha Gu to Jadokha Ju	PTT			Nagja	Paro	2221.65
415	Gushugang to Bempu	Farm Road			Nagja	Paro	10037.84
416	Betekha to Gumo/Shngko	Farm Road			Nagja	Paro	3322.49
364	Zangoe to Sanagang	PTT			Nagja	Paro	1833.46
417	Tangjungung to Tsherangna	Farm Road			Ngaja	Paro	700.77
418	Jangkha to Segu	Farm Road			Ngaja	Paro	687.53
419	Chamethangkha to Ajena	Farm Road			Ngaja	Paro	2328.96
420	Rashigang to Tshewog	Farm Road			Ngaja	Paro	1596.23
421	Haychu Lamtag to Janapangsho	Farm Road			Ngaja	Paro	1680.83
311	Changmitsa to Pongsapang	Farm Road			Shapa	Paro	677.52
312	Chadozampa to Tomja	Farm Road			Shapa	Paro	1840.38
313	Gekha to Bitekha	Farm Road			Shapa	Paro	873.34
314	Gekha to Eyugumenchu	PTT			Shapa	Paro	435.22
315	Gekha to Thana	PTT			Shapa	Paro	447.17
316	Zhengolhakhang to Jangsa	PTT			Shapa	Paro	1525.22
317	Dadolumpa to Nagtselumpa	Farm Road			Shapa	Paro	1319.41
318	Lholingka to Mendugoenpa	PTT			Shapa	Paro	1848.75
319	Chotengangka to Sendo	Farm Road			Shapa	Paro	1237.92
320	Nego to Tsherilumpa	Farm Road			Shapa	Paro	2538.74
321	Gabsakha to Remu	PTT			Shapa	Paro	455.58
322	Sangka Choten to Remu	PTT			Shapa	Paro	323.84
323	Sabakha to Zamshina	PTT			Shapa	Paro	626.64
324	Bathum to Lunchuna	PTT			Shapa	Paro	634.00
325	Zakhapana to Zingo	PTT			Shapa	Paro	462.82
326	Nenchuna to Lhunju	PTT			Shapa	Paro	212.89
327	Chunju to Thanksota	PTT			Shapa	Paro	693.21
328	Simeji to Lumpa	PTT			Shapa	Paro	2303.27
329	Sona to Gayzana	PTT			Shapa	Paro	593.11
330	Lhocekache to Tentay	PTT			Shapa	Paro	508.83
331	Gobitsa to Shangthanka	PTT			Shapa	Paro	719.28
332	Kaesina to Nakchukha	PTT			Shapa	Paro	1171.51
333	Pitoko to Khatey	Farm Road			Shapa	Paro	4216.85
334	Domsalumpa to Sumsakha	Farm Road			Shapa	Paro	1955.28
335	Chitapangkhe to Khamelu	PTT			Shapa	Paro	843.67
366	Chazampa to Gobitsa	PTT			Shapa	Paro	1923.35
406	Tarukha to Jazu FR	Farm Road			Tsentog	Paro	1264.42

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
407	Nechu to Lamko	Farm Road			Tsentog	Paro	1504.78
408	Chenzigangto to Chenzi	Farm Road			Tsentog	Paro	2105.47
409	Nyameyzam to Chenzidophu	Farm Road			Tsentog	Paro	784.31
410	Semja to Zamsazam	Farm Road			Tsentog	Paro	970.72
411	Fongdo to Chuding	Farm Road			Tsentog	Paro	6049.77
412	Zamsazam to Shana	Farm Road			Tsentog	Paro	14911.20
349	Tshokha to Guchukha	Farm Road			Wangchang	Paro	813.92
350	Tshokha to Thangkha	Farm Road			Wangchang	Paro	551.16
351	Segotsekha to Wochukha	PTT			Wangchang	Paro	762.40
352	Khangkhu to Dochukha	PTT			Wangchang	Paro	384.76
353	Nyemichoentsa to Nyemi	PTT			Wangchang	Paro	508.69
354	Tajutongphutsa to Jachekha	Farm Road			Wangchang	Paro	2242.47
355	Dongchuphu Tserinam	PTT			Wangchang	Paro	340.24
365	Changkatsendentsa to Peri	PTT			Wangchang	Paro	825.57
497	Yurung to Lungkolum	Farm Road			Chimong	Pemagatshel	9873.50
498	Khangma to Chimong	Farm Road			Chimong	Pemagatshel	12980.27
499	Chimong to Pangthang	Farm Road			Chimong	Pemagatshel	3911.46
466	Richanglo to Dezama	Farm Road			Chokhorling	Pemagatshel	7528.36
467	Dezama to Kerong	Farm Road			Chokhorling	Pemagatshel	1811.54
468	Dezama to Yargaywoong	Farm Road			Chokhorling	Pemagatshel	17231.81
469	Yargaywoong to Chokorling	Farm Road			Chokhorling	Pemagatshel	4373.43
471	Chokorling to Gazawoong	PTT			Chokhorling	Pemagatshel	2452.17
472	Sachanglu to Tashicholing Gonpa	PTT			Chokhorling	Pemagatshel	2722.35
492	Tsebar to Thongsa	Farm Road			Chongshing	Pemagatshel	14044.21
493	Tsebar to Chongshing	Farm Road			Chongshing	Pemagatshel	8170.85
494	Mandi to Lanangzor	PTT			Chongshing	Pemagatshel	10379.73
473	Tsenkari to Decheling	Farm Road			Dechheling	Pemagatshel	7911.01
474	Dechheling to Telung	Farm Road			Dechheling	Pemagatshel	11381.50
475	Dechheling to Domling	Farm Road			Dechheling	Pemagatshel	11078.83
476	Marung to Kherbari	Farm Road			Dechheling	Pemagatshel	7061.13
477	Bapta to Beringmo	PTT			Dechheling	Pemagatshel	10322.69
478	Dechheling to Laishingri	Farm Road			Dechheling	Pemagatshel	6598.56
479	Dechheling to Serphu	PTT			Dechheling	Pemagatshel	4260.97
480	Dechheling to Ngaizor	PTT			Dechheling	Pemagatshel	2420.38
481	Kholomri to Jomotsang	Farm Road			Dechheling	Pemagatshel	6729.92
482	Rezemo to Mizamphu	PTT			Dechheling	Pemagatshel	8661.22
445	Mikuri to Proposed highway	Farm Road			Dungme	Pemagatshel	9214.96
446	Sana to Tomi	PTT			Dungme	Pemagatshel	2777.03
447	Sana to Woongborang	PTT			Dungme	Pemagatshel	7133.25
448	Benangonpa to Teptepla	PTT			Dungme	Pemagatshel	2706.62
449	Benangonpa to Mangthari	PTT			Dungme	Pemagatshel	925.31
450	Proposed highway to Durungri	PTT			Dungme	Pemagatshel	902.74

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
500	Tsebar to Dungme	Farm Road			Dungme	Pemagatshel	14406.68
501	Dungme to Thrumchung	Farm Road			Dungme	Pemagatshel	10667.99
502	Thrumchung to Bainangonpa	Farm Road			Dungme	Pemagatshel	5417.87
503	Bainangonpa to Mikuri	Farm Road			Dungme	Pemagatshel	10974.17
488	Labar to Khengzor	Farm Road			Khar	Pemagatshel	6111.44
489	Phadi to Geog Center	Farm Road			Khar	Pemagatshel	1840.29
490	Khar to Bongman	Farm Road			Khar	Pemagatshel	2804.96
491	Tsebar to Nagtsiri	Farm Road			Khar	Pemagatshel	3207.74
483	Kurchhilo to Tshatshi	Farm Road			Nanong	Pemagatshel	7235.04
484	Khinadang to Yechen	Farm Road			Nanong	Pemagatshel	5104.40
485	Rashigonpa to Yechen	Farm Road			Nanong	Pemagatshel	11211.95
486	Woongchilo to Yechen	Farm Road			Nanong	Pemagatshel	6364.80
487	Ngangshing to Wooliktang	Farm Road			Nanong	Pemagatshel	3922.17
465	Norbugang to Rinchenzor	Farm Road			Norbugang	Pemagatshel	3220.83
470	Rinchenthang to Tanzama	PTT			Norbugang	Pemagatshel	1770.64
457	Nangkor to Mann	Farm Road			Shumar	Pemagatshel	2973.08
458	Zhingri to Shali	Farm Road			Shumar	Pemagatshel	1053.47
459	Khinadang to Dagor	Farm Road			Shumar	Pemagatshel	6918.11
460	Gamung to Pangthang	Farm Road			Shumar	Pemagatshel	4376.29
461	Gonpung to Gamung	Farm Road			Shumar	Pemagatshel	3841.08
462	Yalang to Mawa	Farm Road			Shumar	Pemagatshel	4210.68
463	Gamung to Nongar	Farm Road			Shumar	Pemagatshel	2594.16
464	Bemri to Teotpalung	Farm Road			Shumar	Pemagatshel	975.63
495	Tsebar to Yurung	Farm Road			Yurung	Pemagatshel	12325.77
496	Yurung to Khangma	Farm Road			Yurung	Pemagatshel	7993.23
451	Khinadang road to Laishingkhar	Farm Road			Zobel	Pemagatshel	2990.47
452	Nangmalam to Rudurba	Farm Road			Zobel	Pemagatshel	2726.14
453	Ngangshing to Tshelingore	Farm Road			Zobel	Pemagatshel	3526.93
454	Lengpek to Zobel	Farm Road			Zobel	Pemagatshel	2035.92
455	Kherigonpa to Shomarjuk	Farm Road			Zobel	Pemagatshel	2564.78
456	Kherigonpa to Pangthangdaza	Farm Road			Zobel	Pemagatshel	2178.26
530	Manigang PTT	PTT			Baap	Punakha	522.37
531	Gamalum Farm Road	Farm Road			Baap	Punakha	960.22
532	Gamakha PTT	PTT			Baap	Punakha	470.94
513	Soela Farm Road	Farm Road			Chubu	Punakha	17582.61
515	Bali PTT	PTT			Chubu	Punakha	3378.81
516	Yabesa PTT	PTT			Chubu	Punakha	9952.22
517	Dolethangkha PTT	PTT			Chubu	Punakha	1361.72
514	Cherichungkha	Farm Road			Cubu	Punakha	15082.74
518	Khilikha Farm Road	Farm Road			Dzomi	Punakha	214.96
519	Jangsa Farm Road	Farm Road			Dzomi	Punakha	1685.01
520	Gubji PTT	PTT			Dzomi	Punakha	546.54
521	Tsekha PTT	PTT			Dzomi	Punakha	1740.10

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
522	Mendagang Farm Road	Farm Road			Dzomi	Punakha	986.87
523	Jimthang Farm Road	Farm Road			Dzomi	Punakha	1265.51
524	Esukha to Yobo Farm Road	Farm Road			Goenshari	Punakha	2067.68
525	Yobo to Tshephu Farm Road	Farm Road			Goenshari	Punakha	1587.08
526	Sechena to Nobu	Farm Road			Goenshari	Punakha	2537.07
527	Dochukha to Sechena Farm Road	Farm Road			Goenshari	Punakha	3797.03
528	Chuzadong to Balana Farm Road	Farm Road			Goenshari	Punakha	8168.86
529	Gumgang to Neyney Farm Road	Farm Road			Goenshari	Punakha	1063.54
542	Tongkulum Farm Road	Farm Road			Guma	Punakha	1978.05
543	Dochukha Farm Road	Farm Road			Guma	Punakha	1331.89
544	Tongsana Farm Road	Farm Road			Guma	Punakha	2024.08
545	Walayang Farm road	Farm Road			Guma	Punakha	794.85
546	Ngeyle Chorten Farm Road	Farm Road			Guma	Punakha	1545.12
547	Zingchenmo Farm Road	Farm Road			Guma	Punakha	924.79
548	Tongdeybaykha Farm Road	Farm Road			Guma	Punakha	2161.61
549	Jangsa Farm Road	Farm Road			Guma	Punakha	478.60
550	Beyjugang Farm Road	Farm Road			Guma	Punakha	879.04
551	Daragang Farm Road	Farm Road			Guma	Punakha	563.92
552	Wangang Farm Road	Farm Road			Guma	Punakha	4330.25
539	Tshetena Farm Road	Farm Road			Kabji	Punakha	1862.93
540	Dophukha Farm Road	Farm Road			Kabji	Punakha	2481.42
541	Remi Farm Road	Farm Road			Kabji	Punakha	3493.73
533	Tsherina Farm Road	Farm Road			Limbukha	Punakha	2609.47
534	Sachagama Farm Road	Farm Road			Limbukha	Punakha	1908.22
535	Nabchey Farm Raod	Farm Road			Limbukha	Punakha	1351.18
536	Dorona Farm Road	Farm Road			Limbukha	Punakha	1013.01
537	Lungpa Farm road	Farm Road			Limbukha	Punakha	976.83
538	Gumkarmo Farm Road	Farm Road			Limbukha	Punakha	741.01
553	Gamipang Farm Road	Farm Road			Shengana	Punakha	1786.39
554	Domishimo Farm Road	Farm Road			Shengana	Punakha	919.63
555	Shenga gonpa Farm Road	Farm Road			Shengana	Punakha	802.04
556	Palu Farm Road	Farm Road			Shengana	Punakha	197.72
557	Nobtashi Farm Road	Farm Road			Shengana	Punakha	364.19
558	Sechekha Farm Road	Farm Road			Shengana	Punakha	845.20
559	Zodasa Farm Road	Farm Road			Shengana	Punakha	1017.33
504	Dorina Farm Road	Farm Road			Talo	Punakha	274.13
505	Dabcheygang to Jetsithangna Farm Road	Farm Road			Talo	Punakha	2929.83
506	Lamtseri Farm Road	Farm Road			Talo	Punakha	1292.35
560	Damchi FR	Farm Road			Toeb	Punakha	4659.34
561	Rignakha FR	Farm Road			Toeb	Punakha	2995.12
562	Totokha to Chenzana	Farm Road			Toeb	Punakha	447.54
563	Totokha to Phenteykha	Farm Road			Toeb	Punakha	1578.11
564	Thinleygang to Chana	Farm Road			Toeb	Punakha	2801.55

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
565	Churuthang to Bemsisi	Farm Road			Toeb	Punakha	5428.46
507	Wangkha to Eusukha	Farm Road			Toewang	Punakha	2185.71
508	Tshachuphu Farm Road	Farm Road			Toewang	Punakha	3767.08
509	Jibjokha Farm Road	Farm Road			Toewang	Punakha	548.37
510	Bumji Farm Road	Farm Road			Toewang	Punakha	1316.66
511	Thamji Farm Road	Farm Road			Toewang	Punakha	1507.01
512	Kewana Farm Road	Farm Road			Toewang	Punakha	6172.22
588	Rikhey to Woongchilo	PTT			Dewathang	Samdrupjongkhar	6068.68
589	Martanzam to Martang	PTT			Dewathang	Samdrupjongkhar	2579.34
591	Chenari to Simringmo	PTT			Dewathang	Samdrupjongkhar	2081.72
629	Rikhey to Woongchilo	PTT			Dewathang	Samdrupjongkhar	6068.68
630	Martanzam to Martang	PTT			Dewathang	Samdrupjongkhar	2579.34
632	Chenari to Simringmo	PTT			Dewathang	Samdrupjongkhar	2081.72
582	Tsangchilo to Barzor	Farm Road			Gomdar	Samdrupjongkhar	9131.39
623	Tsangchilo to Barzor	Farm Road			Gomdar	Samdrupjongkhar	9131.39
576	Jomotsangkha to Aguritar	Farm Road			Langchenphu	Samdrupjongkhar	16639.96
577	Upper Langchenphu to Nanglay	PTT			Langchenphu	Samdrupjongkhar	3463.19
578	Lower Langchenphu to Bajrangi	Farm Road			Langchenphu	Samdrupjongkhar	8456.87
617	Jomotsangkha to Aguritar	Farm Road			Langchenphu	Samdrupjongkhar	16639.96
618	Upper Langchenphu to Nanglay	PTT			Langchenphu	Samdrupjongkhar	3463.19
619	Lower Langchenphu to Bajrangi	Farm Road			Langchenphu	Samdrupjongkhar	8456.87
566	Deptsang to Momring	Farm Road			Lauri	Samdrupjongkhar	15448.05
567	Lauri to Jompa	Farm Road			Lauri	Samdrupjongkhar	3695.81
568	Jompa to Phajogonpa	PTT			Lauri	Samdrupjongkhar	7023.32
569	Momring to Taktshang	PTT			Lauri	Samdrupjongkhar	8218.55
570	Jompa to Zangthi	PTT			Lauri	Samdrupjongkhar	10608.56
607	Deptsang to Momring	Farm Road			Lauri	Samdrupjongkhar	15448.05
608	Lauri to Jompa	Farm Road			Lauri	Samdrupjongkhar	3695.81
609	Jompa to Phajogonpa	PTT			Lauri	Samdrupjongkhar	7023.32
610	Momring to Taktshang	PTT			Lauri	Samdrupjongkhar	8218.55
611	Jompa to Zangthi	PTT			Lauri	Samdrupjongkhar	10608.56
593	Martshala to Sarjung	Farm Road			Martshala	Samdrupjongkhar	13186.29
595	Nainital to Galingkhar	Farm Road			Martshala	Samdrupjongkhar	3220.02
597	Martshala to Keptang	Farm Road			Martshala	Samdrupjongkhar	5236.07
598	Keptang to Tsholingkhar	Farm Road			Martshala	Samdrupjongkhar	5815.56
599	Sarjung to Kakane	Farm Road			Martshala	Samdrupjongkhar	6060.93
600	Martshala to Gorthungma	Farm Road			Martshala	Samdrupjongkhar	3380.54
601	Yarphu to Shemshem	Farm Road			Martshala	Samdrupjongkhar	13056.47
634	Martshala to Sarjung	Farm Road			Martshala	Samdrupjongkhar	13186.29
636	Nainital to Galingkhar	Farm Road			Martshala	Samdrupjongkhar	3220.02
638	Martshala to Keptang	Farm Road			Martshala	Samdrupjongkhar	5236.07
639	Keptang to Tsholingkhar	Farm Road			Martshala	Samdrupjongkhar	5815.56

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
640	Sarjung to Kakane	Farm Road			Martshala	Samdrupjongkhar	6060.93
641	Martshala to Gorthungma	Farm Road			Martshala	Samdrupjongkhar	3380.54
642	Yarphu to Shemshem	Farm Road			Martshala	Samdrupjongkhar	13056.47
583	Takshingngangray to Wooling	Farm Road			Orong	Samdrupjongkhar	5282.29
584	Therpong to Suzung	Farm Road			Orong	Samdrupjongkhar	5360.69
585	Wooling to Jangchubling	Farm Road			Orong	Samdrupjongkhar	5427.15
586	Jangchubling to Pheluma	Farm Road			Orong	Samdrupjongkhar	6496.61
587	Narphung to Rimong	PTT			Orong	Samdrupjongkhar	6862.92
590	Aerong to Menchari	PTT			Orong	Samdrupjongkhar	4509.62
592	Morong to Yurtiri	PTT			Orong	Samdrupjongkhar	4981.59
624	Takshingngangray to Wooling	Farm Road			Orong	Samdrupjongkhar	5282.29
625	Therpong to Suzung	Farm Road			Orong	Samdrupjongkhar	5360.69
626	Wooling to Jangchubling	Farm Road			Orong	Samdrupjongkhar	5427.15
627	Jangchubling to Pheluma	Farm Road			Orong	Samdrupjongkhar	6496.61
628	Narphung to Rimong	PTT			Orong	Samdrupjongkhar	6862.92
631	Aerong to Menchari	PTT			Orong	Samdrupjongkhar	4509.62
633	Morong to Yurtiri	PTT			Orong	Samdrupjongkhar	4981.59
594	Phedi to Nainital	Farm Road			Pemathang	Samdrupjongkhar	5298.64
635	Phedi to Nainital	Farm Road			Pemathang	Samdrupjongkhar	5298.64
602	Tsangchutham to Sangshingzor	Farm Road			Phunthothang	Samdrupjongkhar	11603.49
603	Tsangchutham to Khameything	Farm Road			Phunthothang	Samdrupjongkhar	4688.04
604	Phunthothang to Tikiri	Farm Road			Phunthothang	Samdrupjongkhar	8111.73
605	Samdrupcholing to Saurani	Farm Road			Phunthothang	Samdrupjongkhar	5718.63
643	Tsangchutham to Sangshingzor	Farm Road			Phunthothang	Samdrupjongkhar	11603.49
644	Tsangchutham to Khameything	Farm Road			Phunthothang	Samdrupjongkhar	4688.04
645	Phunthothang to Tikiri	Farm Road			Phunthothang	Samdrupjongkhar	8111.73
646	Samdrupcholing to Saurani	Farm Road			Phunthothang	Samdrupjongkhar	5718.63
647	Dungkarling to Dumpha	PTT			Phunthothang	Samdrupjongkhar	2227.17
596	Phedi to Samrang	Farm Road			Samrang	Samdrupjongkhar	19644.63
637	Phedi to Samrang	Farm Road			Samrang	Samdrupjongkhar	19644.63
571	Minjiwoong to Deptsang	Farm Road			Serthi	Samdrupjongkhar	10346.41
572	Minjiwoong to Zamtari	Farm Road			Serthi	Samdrupjongkhar	4023.21
573	Minjiwoong to Serthi	Farm Road			Serthi	Samdrupjongkhar	10784.22
574	Monmola to Tashithangjay	Farm Road			Serthi	Samdrupjongkhar	9687.33
575	Serth (Thekari) to Phagchu	PTT			Serthi	Samdrupjongkhar	11632.65
612	Minjiwoong to Deptsang	Farm Road			Serthi	Samdrupjongkhar	10346.41
613	Minjiwoong to Zamtari	Farm Road			Serthi	Samdrupjongkhar	4023.21
614	Minjiwoong to Serthi	Farm Road			Serthi	Samdrupjongkhar	10784.22
615	Monmola to Tashithangjay	Farm Road			Serthi	Samdrupjongkhar	9687.33
616	Serth (Thekari) to Phagchu	PTT			Serthi	Samdrupjongkhar	11632.65
579	Tsangchilo to Yarphu	Farm Road			Wangphu	Samdrupjongkhar	12574.59

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
580	Dingshingzor to Serchenmo	Farm Road			Wangphu	Samdrupjongkhar	7502.95
581	Serchenmo to Haila	Farm Road			Wangphu	Samdrupjongkhar	5212.27
620	Tsangchilo to Yarpfu	Farm Road			Wangphu	Samdrupjongkhar	12574.59
621	Dingshingzor to Serchenmo	Farm Road			Wangphu	Samdrupjongkhar	7502.95
622	Serchenmo to Haila	Farm Road			Wangphu	Samdrupjongkhar	5212.27
687	Changju Farm Road	Farm Road			Bara	Samtse	11167.56
688	Chingu Farm Road	Farm Road			Bara	Samtse	7926.32
689	Assamtsa Farm Road	Farm Road			Bara	Samtse	810.06
690	Beteni Farm Road	Farm Road			Bara	Samtse	4831.71
691	Gempang Farm Road	Farm Road			Bara	Samtse	11521.64
692	Geog Farm Road	Farm Road			Bara	Samtse	4069.67
693	Dakalgoan Farm Road	Farm Road			Bara	Samtse	4317.44
652	Hatikharka B Farm Road	Farm Road			Biru	Samtse	2084.17
653	Niguray Farm Road	Farm Road			Biru	Samtse	7395.43
654	Godaytar Farm Road	Farm Road			Biru	Samtse	3444.83
655	Tachey Farm Road	Farm Road			Biru	Samtse	7736.96
656	Hatikharka A Farm Road	Farm Road			Biru	Samtse	3120.66
657	Manidara Farm Road	Farm Road			Biru	Samtse	8911.72
722	Chargharey to Sombek Farm Road	Farm Road			Chargharey	Samtse	5045.75
723	Labarbot Farm Road	Farm Road			Chargharey	Samtse	1098.73
724	Upper Ghatia to Namsaling Farm Road	Farm Road			Chargharey	Samtse	1886.16
725	Shatipakha Farm Road	Farm Road			Chargharey	Samtse	3612.15
697	Mirik Farm Road	Farm Road			Chengmari	Samtse	7278.08
698	Bimtar-Katarey FR	Farm Road			Chengmari	Samtse	5064.34
699	Kopchey Farm Road	Farm Road			Chengmari	Samtse	9858.00
700	Magay Farm Road	Farm Road			Chengmari	Samtse	1460.52
701	Hathkhola Farm Road	Farm Road			Chengmari	Samtse	987.82
685	Lumbay to Pungtha (Via Demjee)	Farm Road			Denchukha	Samtse	27528.77
686	Benekha Farm Road	Farm Road			Denchukha	Samtse	10515.16
694	Bhangaley Farm Road	Farm Road			Denchukha	Samtse	1211.52
695	Batani Farm Road	Farm Road			Denchukha	Samtse	8867.26
696	Boribotey Farm Road	Farm Road			Denchukha	Samtse	2055.97
678	Sengden Farm Road	Farm Road			Dorokha	Samtse	12504.90
679	Lumbay Farm Road	Farm Road			Dorokha	Samtse	8697.97
680	Lapcheygaon Farm Road	Farm Road			Dorokha	Samtse	4917.07
681	Majuwagaon Farm Road	Farm Road			Dorokha	Samtse	5441.91
682	Thulumgaon Farm Road	Farm Road			Dorokha	Samtse	7513.59
683	Timburey Farm Road	Farm Road			Dorokha	Samtse	8595.61
684	Chelumchen Farm Road	Farm Road			Dorokha	Samtse	15623.91
670	Duntoe Farm Road	Farm Road			Dumtoe	Samtse	13880.68
671	Salmey Farm Road	Farm Road			Dumtoe	Samtse	9196.65
672	Phuchena Farm Road	Farm Road			Dumtoe	Samtse	2692.01
673	Khalinggaon Farm Road	Farm Road			Dumtoe	Samtse	2066.97

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
718	Malbasey to Kholakharka Farm Road	Farm Road			Namgay Choling	Samtse	8124.58
719	Lahareni to Majuwa Farm Road	Farm Road			Namgay Choling	Samtse	11719.33
720	Chargharey School to Rajaruk Farm Road	Farm Road			Namgay Choling	Samtse	17114.72
721	Malbasey to Noonpani Farm Road	Farm Road			Namgay Choling	Samtse	3662.59
712	Khana Bharti Farm Road	Farm Road			Pugli	Samtse	9489.31
713	Dumsidara Farm Road	Farm Road			Pugli	Samtse	6302.05
714	Dalamthang Farm Road	Farm Road			Pugli	Samtse	4592.31
715	Lahatar Farm Road	Farm Road			Pugli	Samtse	1190.05
658	Bukey Farm Road	Farm Road			Samtse	Samtse	14496.35
659	Upper Lamatar Farm Road	Farm Road			Samtse	Samtse	3500.48
660	Mandrani Farm Road	Farm Road			Samtse	Samtse	4506.41
661	Tasim Farm Road	Farm Road			Samtse	Samtse	2036.92
662	Chilu Farm Road	Farm Road			Samtse	Samtse	808.95
663	Malbasey Farm Road	Farm Road			Samtse	Samtse	3619.65
664	Cholicop Farm Road	Farm Road			Samtse	Samtse	1066.37
665	Banstar Farm Road	Farm Road			Samtse	Samtse	6041.40
666	Penjorling Farm Road	Farm Road			Sipsu	Samtse	2370.90
667	Jogimara Farm Road	Farm Road			Sipsu	Samtse	1280.26
668	Girigaon to Gairigaon Farm Road	Farm Road			Sipsu	Samtse	880.38
669	Shivalaya-Bakmaragaon Farm Road	Farm Road			Sipsu	Samtse	1256.00
674	Pakhagaon Farm Road	Farm Road			Sipsu	Samtse	1980.50
675	Chebju Farm Road	Farm Road			Sipsu	Samtse	3151.80
676	Kukuney Farm Road	Farm Road			Sipsu	Samtse	1738.80
677	Kalamati Farm Road	Farm Road			Sipsu	Samtse	786.45
702	Tading-Jenchu Farm Road	Farm Road			Tading	Samtse	9336.85
703	Titiring Farm Road	Farm Road			Tading	Samtse	3075.34
707	Garigoan Farm Road	Farm Road			Tading	Samtse	17288.19
708	Khempagaon farm Road	Farm Road			Tading	Samtse	8841.30
709	Kamibanjang Farm Road	Farm Road			Tading	Samtse	7403.21
710	Upper Panbari B Farm Road	Farm Road			Tading	Samtse	3055.56
711	Nindulakha Farm Road	Farm Road			Tading	Samtse	7660.06
648	Bakbakay Farm Road	Farm Road			Tendu	Samtse	1214.58
649	Jangtey (via Chargarey) Farm Road	Farm Road			Tendu	Samtse	4600.00
650	D.Bindu Farm Road	Farm Road			Tendu	Samtse	5676.75
651	Kachin Farm Road	Farm Road			Tendu	Samtse	8972.00
716	Majuwa Farm Road	Farm Road			Ugyentse	Samtse	2719.20
717	Kuchidiana PTT	PTT			Ugyentse	Samtse	1340.43
704	Channel to Katerey Farm Road	Farm Road			Yoeseltse	Samtse	1192.39
705	Katerey to Lamitar Farm Road	Farm Road			Yoeseltse	Samtse	1930.18
706	Lamitar to Galleygaon Farm Road	Farm Road			Yoeseltse	Samtse	2590.51
762	Mongargaon to Dumidara Farm Road	Farm Road			Bhur	Sarpang	8183.99
763	Ghalegaon Farm Road	Farm Road			Bhur	Sarpang	2860.66
764	Dechenpelri Farm Road	Farm Road			Bhur	Sarpang	4105.97

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
765	Majuwa Farm Road	Farm Road			Bhur	Sarpang	1451.14
756	Lower Chaskhar to Pangzur zero	Farm Road			Chuzangan g	Sarpang	1466.26
757	Barthang to karbithang	Farm Road			Chuzangan g	Sarpang	897.02
758	Nimaling to Dawathang	Farm Road			Chuzangan g	Sarpang	1557.99
759	Yueling to Karbithang	Farm Road			Chuzangan g	Sarpang	1185.09
760	Norbuling Bazar to Upper Dawathang	Farm Road			Chuzangan g	Sarpang	1242.93
766	Chokhorling Farm Road	Farm Road			Dekiling	Sarpang	5268.81
767	Barlam Farm Road	Farm Road			Dekiling	Sarpang	726.48
768	Jigmeling Farm Road	Farm Road			Dekiling	Sarpang	1972.77
769	Rateygaon Farm Road	Farm Road			Dekiling	Sarpang	1809.92
770	Dolpani Farm Road	Farm Road			Dekiling	Sarpang	3472.38
771	Daragaon Farm Road	Farm Road			Dekiling	Sarpang	2013.88
772	Darbithang to Lewkhop	PTT			Dekiling	Sarpang	1233.13
773	Trashiling Farm Road	Farm Road			Dekiling	Sarpang	1543.60
774	Patabari Farm Road	Farm Road			Dekiling	Sarpang	3272.32
726	Dolunggang Pankhay farm Road	Farm Road			Doban	Sarpang	36648.83
727	Gungring Noonpani Farm Road	Farm Road			Doban	Sarpang	9156.01
728	Gungring Khargaon	Farm Road			Doban	Sarpang	12863.00
729	Pankhay to Maukhola	Farm Road			Doban	Sarpang	3841.58
730	Pangkhay to Torkey	Farm Road			Doban	Sarpang	9836.24
731	Tirkhola to Machukhola	Farm Road			Doban	Sarpang	3940.11
761	Gungtey to Rai Dara Farm Road	Farm Road			Gelephu	Sarpang	13050.26
783	Khopitar Farm Road	Farm Road			Hilley	Sarpang	5152.26
784	Gechu Farm Road	Farm Road			Hilley	Sarpang	21147.42
785	Harew Muga PTT	PTT			Hilley	Sarpang	4032.56
786	Tinjury Kharpani Farm Road	Farm Road			Hilley	Sarpang	5864.86
787	Hilley PTT	PTT			Hilley	Sarpang	1857.97
788	Bisty Farm Road	Farm Road			Hilley	Sarpang	5441.42
735	Khatey-Saudaley	Farm Road			Jigmecholing	Sarpang	2380.61
736	Ossey to Rangri	Farm Road			Jigmecholing	Sarpang	4221.56
737	Bichgaon A to Chungshing	Farm Road			Jigmecholing	Sarpang	3046.89
738	Gumti Ghar to Betini	Farm Road			Jigmecholing	Sarpang	3753.16
739	Dratshang Zero to Khop Thinley	PTT			Jigmecholing	Sarpang	1469.96
740	Daragaon To Retey	Farm Road			Jigmecholing	Sarpang	43451.78
741	Kholatar to Dungay	Farm Road			Jigmecholing	Sarpang	7303.62
742	Kholatar to gong	Farm Road			Jigmecholing	Sarpang	6952.32
743	Gongdara to Bagjungay	PTT			Jigmecholing	Sarpang	8794.39
778	Khoigaon Farm Road	Farm Road			Senghe	Sarpang	2479.93
779	Balatung Farm Road	Farm Road			Senghe	Sarpang	1807.98
780	Labortey Farm road	Farm Road			Senghe	Sarpang	10735.10

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
781	Chota Tsirang Farm Road	Farm Road			Senghe	Sarpang	9580.62
782	Pingkhua Farm Road	Farm Road			Senghe	Sarpang	10154.67
753	Sershong Camp to Barshong	Farm Road			Sershong	Sarpang	6087.75
754	Sershong Farm Road	Farm Road			Sershong	Sarpang	793.52
755	Sershong to Pemaling	Farm Road			Sershong	Sarpang	5516.54
775	Chaar Farm Road	Farm Road			Shompangkha	Sarpang	4284.86
776	Khardara Farm Road	Farm Road			Shompangkha	Sarpang	1241.58
777	Dalayni Farm Road	Farm Road			Shompangkha	Sarpang	2459.34
732	Bomzandara to Rangdara	Farm Road			Taraythang	Sarpang	1926.24
733	Bomzandara to Chargharay	Farm Road			Taraythang	Sarpang	4545.22
734	Rangdara to Shingba Tar	Farm Road			Taraythang	Sarpang	3983.88
744	Exixting to Duthroe Farm Road	Farm Road			Umling	Sarpang	2167.61
745	Linger to Duthroe	Farm Road			Umling	Sarpang	1559.33
746	Seelkhola to Gawaizor Farm Road	Farm Road			Umling	Sarpang	1158.90
747	Dangling to Dangling Water Tank	Farm Road			Umling	Sarpang	918.88
748	Dungmin to Seelchu Farm Road	Farm Road			Umling	Sarpang	2951.94
749	Langkhar to Chubarthang Farm Road	Farm Road			Umling	Sarpang	589.01
750	Chubarthang to Thongjazor Farm Road	Farm Road			Umling	Sarpang	1640.84
751	Tashithang to Thongjazor	PTT			Umling	Sarpang	1961.80
752	Tashithang to Seelchuzomsa	PTT			Umling	Sarpang	2129.99
843	Sawmill to Jumthang	FR			Chang	Thimphu	979.19
844	Donko Chura to Rama Phakha	FR			Chang	Thimphu	1412.63
858	Thangom to RNR centre	FR			Dagala	Thimphu	1598.60
859	Genekha to Pagalaptsa	FR			Dagala	Thimphu	29285.35
855	Tshochey	FR			Geney	Thimphu	2354.34
856	Hamgay	FR			Geney	Thimphu	4254.53
857	Gelephakha	FR			Geney	Thimphu	3263.56
860	Bebdama to Gebilo	FR			Geney	Thimphu	1344.30
861	Machadangsa to Zanglekha	FR			Geney	Thimphu	1739.56
862	Bjichekha to Bjakha	FR			Geney	Thimphu	854.27
863	Jisigang to Chimmigang	FR			Geney	Thimphu	1637.66
839	Dophuchey to Chokor	FR			Kawang	Thimphu	1349.14
840	Changtagang to Kushuchen	FR			Kawang	Thimphu	1748.76
841	Gasa Barma to Gasa Tsholing	FR			Kawang	Thimphu	2444.67
842	Lhudupling to Begana	FR			Kawang	Thimphu	1266.20
864	Dodena to Lingshi	FR			Lingshi	Thimphu	49648.23
865	Lingshi to Chepaisa	FR			Lingshi	Thimphu	11094.32
845	Wooluna farm road	FR			Mewang	Thimphu	2756.64
846	Lingshiphakha Farm road	FR			Mewang	Thimphu	1154.59
847	Lingshikha farm road	FR			Mewang	Thimphu	2228.46
848	Dhalukha farm road	FR			Mewang	Thimphu	3802.99
849	Khasakha farm road	FR			Mewang	Thimphu	2284.54
850	Sigay farm road	FR			Mewang	Thimphu	2695.71

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
851	Simu farm road	FR			Mewang	Thimphu	519.77
852	Jamdoghom	FR			Mewang	Thimphu	2388.83
853	Bjadingkha	FR			Mewang	Thimphu	1584.76
854	Tshaluna east	FR			Mewang	Thimphu	770.80
789	Ngalung to Mantsang	Farm Road			Bartsham	Trashigang	12308.42
790	Phirphirmani to Muktangkhar	Farm Road			Bartsham	Trashigang	1805.93
836	Chorten Phurtuma	Farm Road			Bartsham	Trashigang	1801.28
837	Datangsa to Dangman	Farm Road			Bartsham	Trashigang	2286.63
791	Bidung to Saling	Farm Road			Bidung	Trashigang	9269.33
792	Rangjung to Saling	Farm Road			Bidung	Trashigang	3839.65
793	Bidung to Yernang	PTT			Bidung	Trashigang	1824.88
794	Bidung to Retshangpeg	Farm Road			Bidung	Trashigang	7762.05
797	Perthong to Toktseree	Farm Road			Bidung	Trashigang	1755.10
795	Rongthung to Shingchengonpa	Farm Road			Kanglung	Trashigang	8761.15
796	Retshangdung to Manthong	Farm Road			Kanglung	Trashigang	3902.81
838	Nagtshangraw to Serthe	Farm Road			Kanglung	Trashigang	1915.43
798	Kangpara to Psaphu	Farm Road			Kangpara	Trashigang	11377.12
799	Kangpara to Threlphu	Farm Road			Kangpara	Trashigang	7813.50
800	Kangpara to Kheri	PTT			Kangpara	Trashigang	2826.90
826	Phegpari to Pasaphu	Farm Road			Kangpara	Trashigang	10906.71
801	Khaling to Jiri-Lemi	Farm Road			Khaling	Trashigang	14440.83
802	Kharungla to Braekha	Farm Road			Khaling	Trashigang	8400.73
803	Lumang to Dungmanba	Farm Road			Lumang	Trashigang	9546.75
804	Riserboo to Kheri	Farm Road			Lumang	Trashigang	3716.72
805	Kurichilo to Drupkang	Farm Road			Lumang	Trashigang	7027.65
806	Wamrong to Tsangpo	PTT			Lumang	Trashigang	4521.46
807	Phugayee to Wakhar	Farm Road			Lumang	Trashigang	3345.94
808	Chaling to Merak	Farm Road			Merak	Trashigang	25059.23
809	Lem to Karmagonpa	Farm Road			Phongme	Trashigang	1262.14
810	Khardung to Tokshingmang	Farm Road			Phongme	Trashigang	2571.69
811	Lem to Gazari	PTT			Phongme	Trashigang	4436.07
812	Rangjung tp Yabrang	Farm Road			Phongme	Trashigang	7726.59
813	Janganma to Thongrong	Farm Road			Phongme	Trashigang	10924.31
814	Pangthang to Bongman	Farm Road			Radi	Trashigang	5638.50
815	Dekiling to Tsangkhar	Farm Road			Radi	Trashigang	2952.84
816	Kharangpagpa to Dungigonpa	PTT			Radi	Trashigang	2294.58
817	Phongme to Saktan	Farm Road			Saktan	Trashigang	26239.27
818	Melphey to Samkhar	Farm Road			Samkhar	Trashigang	5528.70
819	Pam to Kheri	PTT			Samkhar	Trashigang	895.35
820	Rangshikhar to Sardha	Farm Road			Samkhar	Trashigang	4553.70
821	Gongsaphangma to Youbenang	PTT			Shongphu	Trashigang	2829.04
822	Thromteng to Zambala	PTT			Shongphu	Trashigang	1674.85
823	Pangthang to Kor	Farm Road			Shongphu	Trashigang	3104.26

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
824	Buna to Changmi	Farm Road			Shongphu	Trashigang	2733.89
825	Phegpari to Thungkhar	Farm Road			Thrimshing	Trashigang	10918.00
827	Phegpari to Lhakhangjab	Farm Road			Thrimshing	Trashigang	4661.63
828	Thrimshing to Dungchillo	Farm Road			Thrimshing	Trashigang	3832.07
829	Drothphu to Lamzang	Farm Road			Udzorong	Trashigang	6181.31
831	Raling to Mankhar	PTT			Udzorong	Trashigang	4096.83
832	Yonphupam to Jomtsang	Farm Road			Udzorong	Trashigang	6496.63
830	Drothphu to Gengkhar	Farm Road			Udzorongt	Trashigang	8424.60
833	Kharza to Durung	Farm Road			Yangneer	Trashigang	6015.91
834	Tshokhang to Daliphangma	Farm Road			Yangneer	Trashigang	3431.59
835	Sanglung to Demkhar	PTT			Yangneer	Trashigang	2938.36
927	Chheng to Tarphel	Farm Road			Bumdeling	Trashiyangtse	6482.83
928	Tshaling to Gangardung	PTT			Bumdeling	Trashiyangtse	6411.25
929	Dungzam to Betsamang	PTT			Bumdeling	Trashiyangtse	2441.78
930	Womanang to Bamdir	PTT			Bumdeling	Trashiyangtse	3920.41
931	Bainangkhar to Nyenda	Farm Road			Jamkhar	Trashiyangtse	2681.70
932	Jamkhar to Larjab	Farm Road			Jamkhar	Trashiyangtse	12318.16
933	Jamkhar to Tachema	Farm Road			Jamkhar	Trashiyangtse	7929.71
934	Yartsi to Lengkhar	Farm Road			Khamdang	Trashiyangtse	5876.65
935	Tsankharla to Seb	Farm Road			Khamdang	Trashiyangtse	6081.14
936	Karmazom to Shashingma	PTT			Khamdang	Trashiyangtse	3051.13
937	Khamdang to Kheni	Farm Road			Khamdang	Trashiyangtse	7486.74
938	Doksum to Delishamtha	PTT			Khamdang	Trashiyangtse	9541.34
939	Lengkhar to Lengkhar Gonpa	PTT			Khamdang	Trashiyangtse	2708.87
940	Upper Khamdang to Lower Khamdang	PTT			Khamdang	Trashiyangtse	2863.02
946	Tshotsang to Ramjar Gonpa	PTT			Ramjar	Trashiyangtse	4479.62
947	Ramjar to Bahung	PTT			Ramjar	Trashiyangtse	4545.14
945	Tokaphu to Thruachu Gonpa	Farm Road			Tongshang	Trashiyangtse	7687.05
941	Zhadi to Rapti	Farm Road			Yangtse	Trashiyangtse	23616.38
942	Bimkhar to Baney	Farm Road			Yangtse	Trashiyangtse	3664.01
943	Bimkhar to Tshergom	PTT			Yangtse	Trashiyangtse	1242.96
944	Zhadi to Shakshing	Farm Road			Yangtse	Trashiyangtse	6800.64
881	Samcholing to Kurme	Farm Road			Drakteng	Trongsa	1701.79
882	Marshing to Drakteng	Farm Road			Drakteng	Trongsa	2544.45
883	Nagpogangsher to Nabji	PTT			Korphu	Trongsa	4906.63
884	Nagpogangsher to Korphu	PTT			Korphu	Trongsa	5075.07
885	Chorten(Jayetangmi) to Nimshong Community School	PTT			Korphu	Trongsa	1785.02
886	Nabji paddyfield to Korphu	PTT			Korphu	Trongsa	1713.02
876	Samcholing to Ngadag	Farm Road			Langthel	Trongsa	11887.05
877	Tongtophey Zam to Jangbi	PTT			Langthel	Trongsa	4549.54
878	Tongtophey Zam to Wangling	Farm Road			Langthel	Trongsa	3521.44
866	Karshong to Jongthang	Farm Road			Nubi	Trongsa	12522.33
867	Jongthang to Bemji	Farm Road			Nubi	Trongsa	6100.69

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
868	Bjeezam to Bjee Pam	Farm Road			Nubi	Trongsa	2533.27
869	Kakaling to Trela	Farm Road			Nubi	Trongsa	2750.29
870	Khalipang to Simjung	Farm Road			Nubi	Trongsa	1774.66
871	Simjung to Sinphu Gonpa	Farm Road			Nubi	Trongsa	1659.70
872	Dutoe-jab to Tergang	PTT			Nubi	Trongsa	1125.35
873	Pongdo-changsa to Karshong	PTT			Nubi	Trongsa	2072.20
874	Kakaling to Sinphu	Farm Road			Nubi	Trongsa	6419.31
875	Sinphu to Bemji	Farm Road			Nubi	Trongsa	4341.20
879	Suspension Bridge to Kela	PTT			Tangsibji	Trongsa	7314.21
880	Tshangkha to Gonpa	Farm Road			Tangsibji	Trongsa	3285.74
887	Norbudara (Gairigaon) to Lower Suntalay	PTT				Tsirang	4183.08
888	Highway to Manidara	Farm Road				Tsirang	1535.49
889	Darjey to Gagagaon	Farm Road				Tsirang	4700.09
890	Sunkosh highway to Sunkosh village	PTT				Tsirang	1928.25
891	Chanauti to Rateygaon	PTT				Tsirang	3812.43
892	Sergithang to Tin Dobaney	Farm Road				Tsirang	4069.19
893	Sergithang to Patalay Thang	Farm Road				Tsirang	1862.64
894	Sergithang to Satshama	Farm Road				Tsirang	12547.64
895	Pemashong to Mani Dangra	Farm Road				Tsirang	2518.19
896	Pemashong Bazaar to Rate Khola	Farm Road				Tsirang	6017.36
897	Kami Golai to Gomden Dara	Farm Road				Tsirang	5073.28
898	Pangrey Dara to Katike	Farm Road	FDR - A			Tsirang	7132.06
899	Chilaune Tar to Ratey Pani	Farm Road				Tsirang	3864.90
900	Ratey Pani to Daragaon	Farm Road				Tsirang	2925.64
901	Daragaon to Katike	Farm Road				Tsirang	1919.24
902	Katike to Barare	Farm Road				Tsirang	1785.72
903	Dharamsala Water tank to Burichhu bazaar	Farm Road				Tsirang	1245.13
904	Burichhu to Mehli	Farm Road				Tsirang	7471.14
905	Dhansiri to Phalade	Farm Road				Tsirang	6060.31
906	Dhajay to Upper Tsholingkhar	Farm Road				Tsirang	5120.50
907	Gopini to Lalikharka	Farm Road				Tsirang	4655.16
908	Bantauli to Zaobari	Farm Road				Tsirang	3187.55
909	Kami Golai to Pakhey	Farm Road				Tsirang	3837.86
910	Mendrelgang Feeder Road to Gup's Office	Farm Road				Tsirang	451.15
911	Gagagaon to Nima Zor	Farm Road				Tsirang	4893.52
912	Dalini to Bhaktargaon	PTT				Tsirang	7011.06
913	Burichhu Doban to Sergithang Geog Centre	Farm Road	FDR - B			Tsirang	10810.30
914	Timsina Dangra (Salari) - Amp Dara	PTT				Tsirang	3411.61
915	Bohar Dangra to Baraduri	PTT				Tsirang	2445.94
916	GupOffice (Lower Gairigaon)-Balwani	Farm Road				Tsirang	10295.60
917	Parajuli Golai to Kapasay	Farm Road				Tsirang	2222.52
918	Budha Barey to Howrey Khop	Farm Road				Tsirang	2894.63
919	Damphu Town to Harpey Pani (Batase)	Farm Road				Tsirang	2063.21

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
920	Khorsaney to Gopini	Farm Road				Tsirang	1906.41
921	Pangrey Dangra to Khorsaney	Farm Road				Tsirang	1161.47
922	Menchuna to Batase	PTT				Tsirang	2204.28
923	Dramphu Dratshang to Upper Bokre	PTT				Tsirang	3152.80
924	Gup office to Phirphire	Farm Road				Tsirang	5036.72
925	Lower Labsibotre to Lower Suntalay	Farm Road				Tsirang	5117.84
926	Drumphu to Upper Salami	Farm Road				Tsirang	5206.63
948	Gangtey - Haal	Farm Road				Wangduephodrang	5885.82
949	Gangphey - Zeezee	Farm Road	FDR-C			Wangduephodrang	3990.83
950	Gaselo Feeder Road - Changchey	Farm Road				Wangduephodrang	2014.14
951	Basochhu intake - Hesokha	PTT				Wangduephodrang	3096.27
952	Gangchumeygang - Khatekha	Farm Road				Wangduephodrang	1086.37
953	Highway - Dotekha	PTT				Wangduephodrang	1342.42
954	Highway - Mephuna	PTT				Wangduephodrang	1330.29
955	Changkha - Tinga	Farm Road				Wangduephodrang	2656.22
956	Teki Zampa - Khotokha	Farm Road	FDR-B			Wangduephodrang	27409.65
957	Khelekha - Zatozam	Farm Road				Wangduephodrang	4281.02
958	Samtengang Feeder road - Nyisho	Farm Road				Wangduephodrang	2754.28
959	Samtengang - Padikha	Farm Road				Wangduephodrang	4505.35
960	Shengana Feeder Road - Lhakhang Nyem	Farm Road				Wangduephodrang	2458.88
961	Highway - Rinchengang	PTT				Wangduephodrang	1227.57
962	Busa - Wangdi Gompa	Farm Road				Wangduephodrang	1852.36
963	Busa - Lamji	Farm Road				Wangduephodrang	2081.29
964	Busa - Darilog	PTT				Wangduephodrang	2343.32
965	Rukubji - Brogona	Farm Road				Wangduephodrang	3445.15
966	Bjemi Zam - Daliting	Farm Road				Wangduephodrang	1469.81
967	Busa - Lubzor	Farm Road	FDR-C			Wangduephodrang	1295.95
968	Thangju - Phentsimeri	Farm Road				Wangduephodrang	2047.52
969	Chazam - Nangkha	Farm Road				Wangduephodrang	8654.27
970	Dangchu Zam - Japhu	Farm Road				Wangduephodrang	5465.83
971	Khotokha - Shaelay	Farm Road				Wangduephodrang	5109.78
972	Rurichhu - Jala	Farm Road				Wangduephodrang	11214.76
973	Samdrupgang - Negophata	Farm Road				Wangduephodrang	4140.56
974	Samdrupgang - Zamding	Farm Road				Wangduephodrang	4456.52
975	Wangdi Phodrang - Komche	Farm Road				Wangduephodrang	7432.09
976	Parop Sesa - Komche	Farm Road				Wangduephodrang	3402.74
977	Nathangkha - Ribakha	Farm Road				Wangduephodrang	2817.63
978	Samchalog - Ambaykha (Bjichemo)	Farm Road				Wangduephodrang	2591.77
979	Dogyalmo - Domkhar	PTT				Wangduephodrang	1363.15
980	Chubar Chorten Tsawa - Taksar	Farm Road				Wangduephodrang	7724.58
981	Ridha Chokorling - Ridha Wog	PTT				Wangduephodrang	3864.74
982	Penjorling - Yuesagang	PTT				Wangduephodrang	2529.31
983	Kamichu - Lopokha	Farm Road				Wangduephodrang	22705.63

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Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
984	Kamichu - Nazhina	Farm Road				Wangduephodrang	13334.68
985	Teki Zampa Wachey Tshukha	Farm Road				Wangduephodrang	3086.51
986	Chanimsosa to Wachey Phakha	Farm Road				Wangduephodrang	2056.91
987	Chanimsosa to Gazikha	PTT				Wangduephodrang	4491.70
988	Yokozing to Omcheygang	PTT				Wangduephodrang	775.03
989	Chiripangchhu to Ngawang	PTT				Wangduephodrang	1785.04
990	Dargayang to Zangteykh	Farm Road				Wangduephodrang	1236.02
991	Tashitokha to Phumsumgang	Farm Road				Wangduephodrang	1009.14
992	Kamichu - Zompa	Farm Road				Wangduephodrang	9027.27
993	Agolo - Lhakhachen	Farm Road				Wangduephodrang	3470.79
994	Chapche Zam - Sil	Farm Road				Wangduephodrang	3306.23
995	Kazhi Feeder Road - Komathrang	Farm Road	FDR-B			Wangduephodrang	8191.46
996	Damchoethang - Beldrok/Newlee	Farm Road				Wangduephodrang	15964.76
997	Damchoethang - Goensakha	PTT				Wangduephodrang	671.17
998	Gangkha Pangna - Gogona Farm	Farm Road				Wangduephodrang	3363.80
999	Kheleykha - Wompekha	Farm Road				Wangduephodrang	2082.14
1000	Doleychen to Rukha	PTT				Wangduephodrang	2962.17
1001	Doleychen tp Lamga	PTT				Wangduephodrang	3952.25
1002	Baychhu to Uma Khatoe	Farm Road	FDR-B			Wangduephodrang	7055.34
1003	Pinsa to Gebakha	Farm Road				Wangduephodrang	8341.29
1004	Kamichhu to Wogay	Farm Road				Wangduephodrang	6260.07
1005	Takshachhu to sili	Farm Road	FDR-C			Wangduephodrang	14706.38
1006	Wangsina (Gups Office) to Shingkhay	Farm Road				Wangduephodrang	2398.99
1007	Themakha to Balakha	Farm Road				Wangduephodrang	1282.23
1008	Gomphu - Fawa	PTT				Zhemgang	2084.45
1009	Chandegang - Subrang	Farm Road				Zhemgang	11707.02
1010	Barkhey - Nimzhong	Farm Road	FDR-B			Zhemgang	15024.04
1011	Nimzhong - Radhi	Farm Road				Zhemgang	11703.82
1012	Radhi - Shingkhar	Farm Road				Zhemgang	7328.47
1013	Shingkhar - Thrisa	Farm Road	NH-4			Zhemgang	7951.69
1014	Nimshong - Khomshar	Farm Road	FDR-B			Zhemgang	16475.28
1015	Khomshar - Nagor	Farm Road				Zhemgang	6626.76
1016	Pantang - Langdarbi	Farm Road	NH-4			Zhemgang	20914.22
1017	Langdurbi - Khomshar	Farm Road	NH-4			Zhemgang	16228.12
1018	Khomshar - Thrisa	Farm Road	NH-4			Zhemgang	25784.56
1019	Phangkar Zam - Lingmapong	Farm Road	FDR-C			Zhemgang	6773.83
1020	Phangkar Zam - Chaibra	Farm Road				Zhemgang	18536.04
1021	Lingmapong - Kaktong	Farm Road				Zhemgang	14931.17
1022	Lingmapong - Changar zam	Farm Road				Zhemgang	8677.23
1023	Goling zam - Goling	Farm Road				Zhemgang	6052.78
1024	Junction (Dakpai-Buli Road) to Jang aring	PTT				Zhemgang	1750.10
1025	Tali - Lemoleng	PTT				Zhemgang	3515.37
1026	Junction (Tingtibi highway) - Bibtigang	PTT				Zhemgang	540.43

Object ID	Road_Name	Road_Type	Status	Qualified	Gewog	Dzongkhag	Length (m)
1027	Buli la - Buli Gonpa	Farm Road				Zhemgang	4236.92
1028	Junction (Dakpai Buli Road) - Kikhar lhakhang	PTT				Zhemgang	740.98
1029	Buli - Berpang	PTT				Zhemgang	2639.29
1030	Dakpai Highway - Ogom	PTT				Zhemgang	1653.80
1031	Tsaidang - Yuchur	PTT				Zhemgang	2314.48
1032	Nyakhar - Khrongley	PTT				Zhemgang	2596.86
1033	Tsaidang - Kamjong	Farm Road				Zhemgang	10019.60
1034	Kamjong - Dunmang	Farm Road				Zhemgang	3303.72
1035	Buli gonpa - Zhobling	Farm Road				Zhemgang	4838.05
1036	Rindhigang - Pongchola	Farm Road				Zhemgang	10789.53
1037	Tekarey - Mamung	Farm Road				Zhemgang	2602.53
1038	Shiling toed - Salapong	Farm Road				Zhemgang	5991.41
1039	Pantang - Panabi	Farm Road				Zhemgang	8210.31
1040	Panbang - Rebati	Farm Road				Zhemgang	5491.11
1041	Panbang - Yumdang	Farm Road				Zhemgang	7837.46
1042	Yumdang - Prikchang	Farm Road				Zhemgang	10395.88
1043	Kaktong - Bjoka Trong	Farm Road	FDR-C			Zhemgang	8560.39
1044	Gomphu to BHU	PTT				Zhemgang	837.44
1045	Shingkar to Bumthang	Farm Road	NH-4			Zhemgang	13683.96
1046	Bjoka Trong - Kamati	Farm Road				Zhemgang	5615.52
1047	Kamati - Barpong	Farm Road				Zhemgang	7269.00
1048	Womtagpa - krashfai	PTT				Zhemgang	1034.05

Table-B.4.8 Roads under construction as of August 2010

Object ID	Road_Name	Road_Type	Gewog	Dzongkhag	Length(m)
1	Highway - Paga	Farm Road		Chhukha	1399.40
2	Zomtho_Komo	Farm Road		Chhukha	1960.32
3	Kamji_Dungna_Road	Feeder Road		Chhukha	7353.57
4	Kamji_Dungna_Road	Feeder Road		Chhukha	7749.61
5	Kamji_Dungna_Road	Feeder Road		Chhukha	3840.17
10	Drujeygang to Khebisa	Feeder Road		Dagana	13014.23
6	Gesarling_Nimtola	PTT		Dagana	12958.65
7	Tanju Branch	PTT		Dagana	682.71
8	Mamithang branch	PTT		Dagana	2272.69
9	Highway to Nyindukha	PTT		Dagana	2412.84
11	Barsha Farm Road	Farm Road	Khame	Gasa	822.78
12	Gasa Dristict Road	Feeder Road	Khatoe	Gasa	8829.41
13	Dorikha to Tegola FR	Farm Road		Haa	15574.99
14	Khomazam to Khoma	Farm Road	Khoma	Lhuentse	4649.14
15	Wangshing to Jabung	Farm Road	Minjey	Lhuentse	1550.83
17	Autsho to Tsenkhar	Farm Road	Tsenkhar	Lhuentse	12762.92
16	Domkhar to Umling	PTT	Tsenkhar	Lhuentse	4915.69
19	Tinkharbi to Silambi	Farm Road	Saleng and	Monggar	39667.85

Object ID	Road_Name	Road_Type	Gewog	Dzongkhag	Length(m)
			Silambi		
20	Gyelposhing to Laptsa	Farm Road	Drepong	Monggar	17850.46
21	Dremetshe to Narang	Farm Road	Narang	Monggar	7422.27
22	Mongar to Tsakaling	Feeder Road		Monggar	28776.50
18	Gyelposhing to Nganglam	NH		Monggar	26438.57
23	Tsuengoen to Domzegang	Farm Road	Nagja	Paro	6356.71
25	Ngangshing to Woogchilo	Farm Road	Nanong	Pemagatshel	11123.01
26	Kherigonpa to Gonpung	Farm Road	Shumar	Pemagatshel	4776.81
27	Geyzor to Resinang	Farm Road	Zobel	Pemagatshel	2971.84
28	Nganglam to Norbugang	Farm Road	Norbugang	Pemagatshel	21708.48
24	Khar to Tsebar	Feeder Road	Khar	Pemagatshel	6823.79
29	Phulusulu Farm Road	Farm Road	Talo	Punakha	2682.50
30	Walathang to Tamedamchi	Farm Road	Toewang	Punakha	7010.64
31	Ragro-Pangtsho Farm Road	Farm Road	Toewang	Punakha	1603.59
32	Tongshina Farm Road	Farm Road	Kabji	Punakha	5253.69
33	Narphung to Tsangchilo	Farm Road	Gomdar	Samdrupjongkhar	7225.45
34	Tsangchutham to Martshala	Farm Road	Martshala	Samdrupjongkhar	9941.87
35	Gaylongkhar to Minjiwoong	Farm Road	Serthi	Samdrupjongkhar	11938.46
36	Tendu-Okharbotey FR	Farm Road	Tendu	Samtse	6531.34
37	Gola to Chisopani FR	Farm Road	Biru	Samtse	10134.13
39	Maney Farm Road	Farm Road	Dorokha	Samtse	10892.37
40	Shikaridara FR	Farm Road	Changmari	Samtse	3017.41
38	Samtse-Pling Highway	Highway	Samtse	Samtse	62176.69
41	Doban Farm Road	Farm Road	Doban	Sarpang	1072.38
42		Farm Road		Trashigang	8928.29
43		Farm Road		Trashigang	8982.97
44		Feeder Road		Trashigang	31788.08
54	Nyakar Dzong to Tokaphu	Farm Road	Tongshang	Trashiyangtse	16786.42
53	Dungzam to Tarphel Chheng	PTT	Bumdeling	Trashiyangtse	8015.75
46	Tangsibji Farm Road	Farm Road	Tangsibji	Trongsa	2612.06
47	Kela Farm Road	Farm Road	Tangsibji	Trongsa	3583.05
48	Dangdung Farm Road	Farm Road	Langthel	Trongsa	1276.80
50	Bjee Zam to Bjee	Farm Road	Nubi	Trongsa	2170.68
45	Gup office to Tongtongphey Zam	PTT	Langthel	Trongsa	957.99
49	Nabji-Korphu PTT	PTT	Korphu	Trongsa	12027.19
51	Mendrelgang to Lower Gairigaon	Farm Road		Tsirang	5311.47
52	Tsirang Toe to Patalay	PTT		Tsirang	5922.63
58	Penjorling to Chubar chorten	Farm Road		Wangduephodrang	8563.06
55	Thimphu_Trashigang-Sephu	Feeder_Road		Wangduephodrang	3964.17
56	Thimphu_Trashigang-Dangchu,_Rida	Feeder_Road		Wangduephodrang	4213.15
57	Takshar to Doleychen	PTT		Wangduephodrang	8999.46
59	Buli - Tsaidang	Farm Road		Zhemgang	17423.18
61	Buli to Barkhey	Farm Road		Zhemgang	13103.83
60	Gongphu - Panbang Highway-1	National Highway		Zhemgang	10171.11

Object ID	Road_Name	Road_Type	Gewog	Dzongkhag	Length(m)
62	Gongphu - Panbang Highway-2	National Highway		Zhemgang	11263.82
63	Gongphu - Panbang Highway-3	National Highway		Zhemgang	8138.63

Table-B.4.9 Non Electrified Villages with their distance from road

ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NA	Distance (approx) KM	Remarks
21	Chukha	Bhalujhora	B0105	Pakchina	0.50	From Existing Road
20	Chukha	Bhalujhora	B0104	Dungena	0.50	From Existing Road
28	Chukha	Bhalujhora	B0112	Yushidingkha	1.00	From Existing Road
35	Chukha	Bongo	B0303	Jobjee	1.50	From Existing Road
36	Chukha	Bongo	B0304	Phasuma	2.00	From Existing Road
44	Chukha	Dala	B0506	Middle Dala (LT)	0.20	From Existing Road
41	Chukha	Dala	B0503	Rupang	0.50	From Existing Road
42	Chukha	Dala	B0504	Kashilakha	1.00	From Existing Road
74	Chukha	Getana	B0805	Bachu	3.50	From Proposed Feeder Road
77	Chukha	Getana	B0808	Yetshey	4.00	From Proposed Feeder Road
75	Chukha	Getana	B0806	Choeyel	5.00	From Proposed Feeder Road
78	Chukha	Getana	B0809	Nubja	6.50	From Proposed Feeder Road
76	Chukha	Getana	B0807	Pangsola	8.50	From Proposed Feeder Road
98	Chukha	Metap	B1005	Benpo	2.00	From Existing Road
124	Chukha	Phuentsholing	B1125	Rahaldara		Electrified
117	Chukha	Phuentsholing	B1118	Jogitar (LT)		Electrified
115	Chukha	Phuentsholing	B1116	Pachutar		Electrified
780	Dagana	Deorali	M0404	Dorjiphu (Upper Labr	1.00	From Existing Road
435	Dagana	Dorona	C0107	Tshalabji / Susithan	0.40	From Proposed Feeder Road
430	Dagana	Dorona	C0102	Nimtola	0.50	From Proposed Feeder Road
434	Dagana	Dorona	C0106	Thulo Dorona	0.70	From Proposed Feeder Road
432	Dagana	Dorona	C0104	Sano Dorona	4.00	From Proposed Feeder Road
431	Dagana	Dorona	C0103	Banglachu		From Proposed Feeder Road
429	Dagana	Dorona	C0101	Lalai Dhapper		From Proposed Feeder Road
445	Dagana	Gesarling	C0302	Samtengang	0.30	From Existing Road
447	Dagana	Gesarling	C0304	Gangjab (Sano Dapper	0.40	From Existing Road
446	Dagana	Gesarling	C0303	Tanju	1.50	From Existing Road
444	Dagana	Gesarling	C0301	Gesarling		From Existing Road
448	Dagana	Gozhi	C0401	Bidlung Geog Center	0.30	From Existing Road
454	Dagana	Kalidzinkingha	C0504	Namjigang	0.50	From Proposed Feeder Road
455	Dagana	Kalidzinkingha	C0505	Buchunag	0.70	From Proposed Feeder Road
453	Dagana	Kalidzinkingha	C0503	Ayetoshel	0.90	From Proposed Feeder Road
456	Dagana	Kalidzinkingha	C0506	Bartshap		From Proposed Feeder Road
470	Dagana	Khipisa	C0607	Pokto	1.10	From Existing Road
873	Dagana	Lhamoi Zinkha	M0902	Sibsooni	1.00	From Existing Road
881	Dagana	Lhamoi Zinkha	M0910	Lammi (Peping)	7.30	From Existing Road
876	Dagana	Lhamoi Zinkha	M0905	Tintaley	8.00	From Existing Road
880	Dagana	Lhamoi Zinkha	M0909	Titiretar	8.20	From Existing Road
879	Dagana	Lhamoi Zinkha	M0908	Tshagetar	8.60	From Existing Road
878	Dagana	Lhamoi Zinkha	M0907	Devitar B	9.50	From Existing Road
877	Dagana	Lhamoi Zinkha	M0906	Devitar A	10.00	From Existing Road
872	Dagana	Lhamoi Zinkha	M0901	Ballatar		On Existing Road
889	Dagana	Nichula	M1004	Somolay	2.50	From Existing Road
497	Dagana	Tsendagang	C1001	Majuwa	0.30	From Existing Road
505	Dagana	Tseza	C1102	Bazingkha / Hobathag	1.50	From Existing Road
508	Dagana	Tseza	C1105	Tshanglakha (Chorten		From Existing Road
504	Dagana	Tseza	C1101	Maza-akho		From Existing Road

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ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NAME	Distance (approx) KM	Remarks
551	Gasa	Laya	D0306	Takche Makhang(RBA)	20.00	From Existing Road
552	Gasa	Laya	D0307	Taley	21.00	From Existing Road
549	Gasa	Laya	D0304	Lupcha	21.00	From Existing Road
546	Gasa	Laya	D0301	Chongra	21.00	From Existing Road
550	Gasa	Laya	D0305	Neylu	21.20	From Existing Road
548	Gasa	Laya	D0303	Lung-go	23.00	From Existing Road
553	Gasa	Lunana	D0308	Toko/Pangze/Jangchuc	22.00	From Existing Road
255	Haa	Gakiling	L0809	Boribotey	0.30	From Proposed Feeder Road
251	Haa	Gakiling	L0805	Benekha	0.50	From Proposed Feeder Road
250	Haa	Gakiling	L0804	Pungtha B	0.50	From Proposed Feeder Road
249	Haa	Gakiling	L0803	Pungtha A	1.00	From Proposed Feeder Road
248	Haa	Gakiling	L0802	Mayona	1.00	From Proposed Feeder Road
247	Haa	Gakiling	L0801	Gabjee	1.50	From Proposed Feeder Road
253	Haa	Gakiling	L0807	Dhamiley		From Proposed Feeder Road
125	Haa	Katsho	E0201	Danadingkha	1.00	From Existing Road
126	Haa	Sama	E0202	Langjaygang	0.50	From Existing Road
127	Haa	Sama	E0203	Chuzagang	1.50	From Existing Road
1063	Lhuntse	Gangzur	F0104	Chesa	0.70	From Existing Road
1075	Lhuntse	Jaray	F0208	Tharpashing	0.50	From Proposed Feeder Road
1071	Lhuntse	Jaray	F0204	Goenpa (Jarray)	1.00	From Proposed Feeder Road
1078	Lhuntse	Jaray	F0211	Changkharla	2.50	From Existing Road
1094	Lhuntse	Kurtoe	F0402	Chazam / Thangbi	7.00	From Existing Road
1096	Lhuntse	Kurtoe	F0404	Tapkang / Shina	8.00	From Existing Road
1095	Lhuntse	Kurtoe	F0403	Rinchen Bumpa	8.00	From Existing Road
1108	Lhuntse	Menbi	F0506	Pelri Goenpa	0.30	From Existing Road
1107	Lhuntse	Menbi	F0505	Dosigang	1.00	From Existing Road
1116	Lhuntse	Menbi	F0514	Tshetsebung Goenpa	3.00	From Existing Road
1115	Lhuntse	Menbi	F0513	Narwangbe	3.00	From Existing Road
1125	Lhuntse	Metsho	F0609	Janachen	0.80	From Proposed Feeder Road
1121	Lhuntse	Metsho	F0605	Mangdhir	1.60	From Proposed Feeder Road
1137	Lhuntse	Minjay	F0701	Chengeling	1.40	From Existing Road
1141	Lhuntse	Tsenkhar	F0705	Tongphugang	0.30	From Existing Road
1162	Lhuntse	Tsenkhar	F0822	Kiphu	1.00	From Existing Road
1149	Lhuntse	Tsenkhar	F0713	Chulung		Road under Construction
1142	Lhuntse	Tsenkhar	F0706	Tshokeygang		Road under Construction
1165	Mongar	Chaskhar	G0103	Atingkhar	0.30	From Existing Road
1172	Mongar	Chhali	G0303	Gorsum / Chelebi	0.30	From Existing Road
1200	Mongar	Gongdue	G0620	Tsalibee	0.50	From Proposed Feeder Road
1181	Mongar	Gongdue	G0601	Bangbangla	1.50	Road under Construction
1204	Mongar	Gongdue	G0624	Damkhar	2.00	From Proposed Feeder Road
1201	Mongar	Gongdue	G0621	Pangthang / Gonpa	2.00	From Proposed Feeder Road
1202	Mongar	Gongdue	G0622	Gongdi / Phosla	2.10	From Proposed Feeder Road
1203	Mongar	Gongdue	G0623	Tegkor	2.50	From Proposed Feeder Road
1231	Mongar	Jurme	G0727	Yaragla	0.00	From Proposed Feeder Road
1232	Mongar	Jurme	G0728	Kongnala	0.50	From Proposed Feeder Road
1220	Mongar	Jurme	G0716	Mudungkhar / Kangmal	0.60	From Proposed Feeder Road
1221	Mongar	Jurme	G0717	Tshegpa	0.70	From Proposed Feeder Road

ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NA	Distance (approx) KM	Remarks
1230	Mongar	Jurme	G0726	Singsiri	1.00	From Proposed Feeder Road
1222	Mongar	Jurme	G0718	Korphu	1.00	From Proposed Feeder Road
1214	Mongar	Jurme	G0710	Phantongma	1.10	Road under Construction
1219	Mongar	Jurme	G0715	Bomdali	1.40	From Proposed Feeder Road
1223	Mongar	Jurme	G0719	Muktungbi	1.50	From Proposed Feeder Road
1217	Mongar	Jurme	G0713	Tulukpee	1.50	Road under Construction
1211	Mongar	Jurme	G0707	Bacha / Gamong / Tho	1.50	Road under Construction
1228	Mongar	Jurme	G0724	Chinchari	1.70	From Proposed Feeder Road
1218	Mongar	Jurme	G0714	Tselam	1.70	Road under Construction
1224	Mongar	Jurme	G0720	Dangila	1.80	From Proposed Feeder Road
1213	Mongar	Jurme	G0709	Wogdang	1.90	Road under Construction
1229	Mongar	Jurme	G0725	Ngangri	2.00	From Proposed Feeder Road
1216	Mongar	Jurme	G0712	Dungkhar	2.10	Road under Construction
1212	Mongar	Jurme	G0708	Mantsang	2.20	Road under Construction
1210	Mongar	Jurme	G0706	Orkong	2.20	Road under Construction
1225	Mongar	Jurme	G0721	Korkhang	2.30	From Proposed Feeder Road
1227	Mongar	Jurme	G0723	Damzeling	2.50	From Proposed Feeder Road
1207	Mongar	Jurme	G0703	Belam	2.50	Road under Construction
1226	Mongar	Jurme	G0722	Menchaphu	2.60	From Proposed Feeder Road
1209	Mongar	Jurme	G0705	Muktangkhar	2.70	Road under Construction
1208	Mongar	Jurme	G0704	Pangthang	3.00	Road under Construction
1252	Mongar	Kengkhar	G0820	Aring/Khangma	0.00	From Proposed Feeder Road
1253	Mongar	Kengkhar	G0821	Artshong	0.30	From Proposed Feeder Road
1250	Mongar	Kengkhar	G0818	Pedurung	0.40	From Proposed Feeder Road
1247	Mongar	Kengkhar	G0815	Dungmanma	0.40	From Proposed Feeder Road
1248	Mongar	Kengkhar	G0816	Shingchongri	0.50	From Proposed Feeder Road
1257	Mongar	Kengkhar	G0825	Murung	0.70	From Proposed Feeder Road
1256	Mongar	Kengkhar	G0824	Pangthang / Cripo	0.70	From Proposed Feeder Road
1255	Mongar	Kengkhar	G0823	Shetongbe	0.70	From Proposed Feeder Road
1254	Mongar	Kengkhar	G0822	Dogtang	0.70	From Proposed Feeder Road
1251	Mongar	Kengkhar	G0819	Munma	0.80	From Proposed Feeder Road
1258	Mongar	Kengkhar	G0826	Setsangri	1.00	From Proposed Feeder Road
1245	Mongar	Kengkhar	G0813	Kenkhar Nagtshang /	1.00	From Proposed Feeder Road
1246	Mongar	Kengkhar	G0814	Gonpa (Kenkhar)	1.10	From Proposed Feeder Road
1267	Mongar	Kengkhar	G0835	Nekolo	1.30	From Proposed Feeder Road

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ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NA	Distance (approx) KM	Remarks
1266	Mongar	Kengkhar	G0834	Tsalibee	1.50	From Proposed Feeder Road
1262	Mongar	Kengkhar	G0830	Dongdala / Jamila	1.50	From Proposed Feeder Road
1263	Mongar	Kengkhar	G0831	Menchubilam	1.60	From Proposed Feeder Road
1234	Mongar	Kengkhar	G0802	Tonglawoong	2.00	Road under Construction
1235	Mongar	Kengkhar	G0803	Tongla Gonpa / Munsh	2.50	Road under Construction
1269	Mongar	Kengkhar	G0837	Nanari	2.60	From Proposed Feeder Road
1268	Mongar	Kengkhar	G0836	Dogsebee	2.60	From Proposed Feeder Road
1236	Mongar	Kengkhar	G0804	Bargonpa / Shajulago	3.00	Road under Construction
1270	Mongar	Kengkhar	G0838	Gomchu	3.10	From Proposed Feeder Road
1242	Mongar	Kengkhar	G0810	Chetenwoong	3.30	Road under Construction
1271	Mongar	Kengkhar	G0839	Bragphu	3.50	From Proposed Feeder Road
1272	Mongar	Kengkhar	G0840	Baragonpa	3.60	Committe Road Project
1273	Mongar	Kengkhar	G0841	Pinphu	4.00	Committe Road Project
1239	Mongar	Kengkhar	G0807	Udaric	4.50	Road under Construction
1237	Mongar	Kengkhar	G0805	Amdelbu	5.00	Road under Construction
1240	Mongar	Kengkhar	G0808	Lapsawoong	5.10	Road under Construction
1243	Mongar	Kengkhar	G0811	Pogola	5.30	Road under Construction
1238	Mongar	Kengkhar	G0806	Tshowang	5.50	Road under Construction
1241	Mongar	Kengkhar	G0809	Dochuru	6.00	Road under Construction
1279	Mongar	Mongar	G0903	Dukulung / Dredrang	0.45	Committe Road Project
1324	Mongar	Silambi	G1312	Salipong	0.50	From Proposed Feeder Road / 2.4Km Road under Construction
1314	Mongar	Silambi	G1302	Nagor	0.50	From Proposed Feeder Road
1320	Mongar	Silambi	G1308	Silambi / Silambi Sc	0.60	Road under Construction
1315	Mongar	Silambi	G1303	Pangarthang / Pam	0.90	From Proposed Feeder Road
1316	Mongar	Silambi	G1304	Kangkangma / Laiju	1.50	From Proposed Feeder Road
1319	Mongar	Silambi	G1307	Rookangla	1.80	Road under Construction
1326	Mongar	Silambi	G1314	Changchangma	3.50	Road under Construction
1325	Mongar	Silambi	G1313	Wama	5.00	Road under Construction
1323	Mongar	Silambi	G1311	Dag		on Proposed Feeder Road / 1.6 Km Road under Construction
1321	Mongar	Silambi	G1309	Khatoe		On Road under Construction
1313	Mongar	Silambi	G1301	Nagorpang		on Proposed Feeder Road
1333	Mongar	Tsakaling	G1501	Takhambi	0.50	From Existing Road
1336	Mongar	Tsamang	G1603	Gangtho	1.20	From Existing Road
1337	Mongar	Tsamang	G1604	Banjar	2.40	From Existing Road
1334	Mongar	Tsamang	G1601	Ganglapong	2.70	From Existing Road
1338	Mongar	Tsamang	G1605	Rewan		From Existing Road
143	Paro	Doga	H0104	Tenchekha	1.50	From Existing Road
142	Paro	Doga	H0103	Drolaykha Lhakhang	1.50	From Existing Road
152	Paro	Lungnyi	H0601	Bongdi	0.20	From Existing Road
154	Paro	Lungnyi	H0603	Kila Goenpa	1.20	From Existing Road
155	Paro	Naja	H0701	Jhadokha	0.20	From Existing Road

ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NA	Distance (approx) KM	Remarks
156	Paro	Naja	H0702	Ferokha / Phumthakha	0.40	From Existing Road
1349	Pemagatshel	Borang	I0104	Tektekborang	0.50	From Proposed Feeder Road
1347	Pemagatshel	Borang	I0102	Zhungre (Thungsa Jug	0.70	From Existing Road
1384	Pemagatshel	Dechhenling	K0106	Kulamanti	0.40	Road under Construction
1386	Pemagatshel	Dechhenling	K0108	Laishingri	0.75	Road under Construction
1387	Pemagatshel	Dechhenling	K0109	Dungchilo / Dungchil	0.80	Road under Construction
1385	Pemagatshel	Dechhenling	K0107	Dungphu Goenpa	1.80	Road under Construction
1383	Pemagatshel	Dechhenling	K0105	Nangray Goenpa	2.10	Road under Construction
1388	Pemagatshel	Dechhenling	K0110	Kholomri	2.50	Road under Construction
1364	Pemagatshel	Dungme	I0310	Tome	1.80	From Proposed Feeder Road
1365	Pemagatshel	Dungme	I0311	Woongborang / Aprigo	2.90	From Proposed Feeder Road
1494	Pemagatshel	Norbugang	K0605	Grandnalashing Boran		On Existing Road
1372	Pemagatshel	Shume	I0505	Chalamzor	2.50	From Existing Road
1373	Pemagatshel	Shume	I0506	Chongshing	4.50	From Existing Road
1376	Pemagatshel	Yurung	I0602	Chengri		On proposed Feeder Road
1377	Pemagatshel	Zobel	I0701	Thokenang		On Existing Road
528	Punakha	Goenshari	J0308	Tsoring Zam		On Feeder Road
526	Punakha	Goenshari	J0306	Shari Sechenang		From Existing Road
532	Punakha	Kabjisa	J0502	Boeminang / Gonateng	1.00	From Proposed Feeder Road
535	Punakha	Talo	J0802	Bjachung Karm	3.00	From Existing Road
1521	Samdrup Jongkhar	Dewathang	K0714	12Kilo		On Existing Road
1438	Samdrup Jongkhar	Langchhenphu	K0310	Lower Golanti	2.70	From Existing Road
1461	Samdrup Jongkhar	Lauri	K0423	Sayzor	0.25	From Proposed Feeder Road
1458	Samdrup Jongkhar	Lauri	K0420	Lauri Zarshing	0.25	From Proposed Feeder Road
1444	Samdrup Jongkhar	Lauri	K0406	Serjong	0.30	From Proposed Feeder Road
1445	Samdrup Jongkhar	Lauri	K0407	Tashiphu	0.50	From Proposed Feeder Road
1456	Samdrup Jongkhar	Lauri	K0418	Marphe	0.60	From Proposed Feeder Road
1442	Samdrup Jongkhar	Lauri	K0404	Betseling	0.85	From Proposed Feeder Road
1460	Samdrup Jongkhar	Lauri	K0422	Woongthi	1.00	From Proposed Feeder Road
1447	Samdrup Jongkhar	Lauri	K0409	Rashithang	1.00	From Proposed Feeder Road
1462	Samdrup Jongkhar	Lauri	K0424	Patpanathang	1.20	From Proposed Feeder Road
1455	Samdrup Jongkhar	Lauri	K0417	Ramjar Goenpa	1.20	From Proposed Feeder Road
1441	Samdrup Jongkhar	Lauri	K0403	Dungmanma	1.50	From Proposed Feeder Road
1449	Samdrup Jongkhar	Lauri	K0411	Jompa / School / BHU	1.60	From Proposed Feeder Road
1446	Samdrup Jongkhar	Lauri	K0408	Tshothang	1.60	From Proposed Feeder Road
1451	Samdrup Jongkhar	Lauri	K0413	Upper Momring	2.20	From Proposed Feeder Road
1450	Samdrup Jongkhar	Lauri	K0412	Lower Momring	2.20	From Proposed Feeder Road
1453	Samdrup Jongkhar	Lauri	K0415	Raynang	3.00	From Proposed Feeder Road
1459	Samdrup Jongkhar	Lauri	K0421	Lauri Barkalangan	3.50	From Proposed Feeder Road
1454	Samdrup Jongkhar	Lauri	K0416	Phaju Goenpa	5.30	From Proposed Feeder Road
1457	Samdrup Jongkhar	Lauri	K0419	Lauri Changphu		From Proposed Feeder Road

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ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NAME	Distance (approx) KM	Remarks
1443	Samdrup Jongkhar	Lauri	K0405	Gonong Zangthi		From Proposed Feeder Road
1464	Samdrup Jongkhar	Martshala	K0502	Brangsawoong / Sangs	0.40	From Proposed Feeder Road
1465	Samdrup Jongkhar	Martshala	K0503	Gaywoong	0.80	From Proposed Feeder Road/ 2 Km Road Under Construction
1466	Samdrup Jongkhar	Martshala	K0504	Saytshalo	1.70	From proposed Feeder Road/ 3 Km Road Under Construction
1489	Samdrup Jongkhar	Martshala	K0527	Sangshingzor	2.90	Road under Construction
1529	Samdrup Jongkhar	Pemathang	K0810	Dungkarling	0.15	From Existing Road
1541	Samdrup Jongkhar	Phuentshothang	K0912	Koyla		On Road under Construction
1555	Samdrup Jongkhar	Serthig	K1113	Menjung / School Are	0.20	Road Under Construction
1552	Samdrup Jongkhar	Serthig	K1110	Dapchang	0.20	From Proposed Feeder Road
1554	Samdrup Jongkhar	Serthig	K1112	Khanduphu	1.00	Road Under Construction / .6 Km Proposed Feeder Road
1553	Samdrup Jongkhar	Serthig	K1111	Dhanphu	1.40	From Proposed Feeder Road
1546	Samdrup Jongkhar	Serthig	K1104	Serthi	1.40	Road under Construction / .8 Km Proposed Feeder Road
1551	Samdrup Jongkhar	Serthig	K1109	Junmay	1.70	From Proposed Feeder Road
1543	Samdrup Jongkhar	Serthig	K1101	Manmola	2.00	Road under Construction/ On proposed Feeder Road
1544	Samdrup Jongkhar	Serthig	K1102	Barkalangnang	3.00	Road under Construction/ 1 Km proposed Feeder Road
1545	Samdrup Jongkhar	Serthig	K1103	Tashithangay	3.50	Road under Construction / 2 Km Proposed Feeder Road
211	Samtse	Denchhukha	L0505	Relukha	0.25	From Proposed Feeder Road
208	Samtse	Denchhukha	L0502	Gabjee	0.80	From Proposed Feeder Road
210	Samtse	Denchhukha	L0504	Bhalukhola	1.00	From Proposed Feeder Road
209	Samtse	Denchhukha	L0503	Seteykha	1.00	From Proposed Feeder Road
212	Samtse	Denchhukha	L0506	Khadhuri	1.20	From Proposed Feeder Road
216	Samtse	Denchhukha	L0510	Beteni	2.20	From Proposed Feeder Road
215	Samtse	Denchhukha	L0509	Baseni / Bhagaley	2.50	From Proposed Feeder Road
213	Samtse	Denchhukha	L0507	Khempagaon	4.20	From Proposed Feeder Road
214	Samtse	Denchhukha	L0508	Demji	4.80	From Proposed Feeder Road
207	Samtse	Denchhukha	L0501	Denchukha		From Proposed Feeder Road
225	Samtse	Dorokha	L0609	Basantey		Road under Construction
243	Samtse	Dungtoe	L0708	Thulo Dungtoe		From Proposed Feeder Road
284	Samtse	Pagli	L1013	Sangla	0.20	From Existing Road
286	Samtse	Pagli	L1015	Sukti B (Lahatar)	0.50	From Existing Road
287	Samtse	Pagli	L1016	Lahatar	0.80	From Existing Road
289	Samtse	Pagli	L1018	Titi B	1.00	From Existing Road
283	Samtse	Pagli	L1012	Aleydara	1.40	From Existing Road
288	Samtse	Pagli	L1017	Titi A	2.00	From Existing Road
276	Samtse	Pagli	L1005	Gising-gaon	2.00	From Existing Road
275	Samtse	Pagli	L1004	Litchi	2.30	From Existing Road
278	Samtse	Pagli	L1007	Ratay	2.60	From Existing Road

ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NA	Distance (approx) KM	Remarks
277	Samtse	Pagli	L1006	Gumbadara	2.80	From Existing Road
279	Samtse	Pagli	L1008	Thodnay	3.20	From Existing Road
274	Samtse	Pagli	L1003	Dalamthang	3.40	From Existing Road
281	Samtse	Pagli	L1010	Thumkay	4.00	From Existing Road
302	Samtse	Samtse	L1109	Uttaray	0.20	From Existing Road
307	Samtse	Samtse	L1114	Upper Malabasey	1.40	From Existing Road
306	Samtse	Samtse	L1113	Mid Malabasey	1.50	From Existing Road
305	Samtse	Samtse	L1112	Lower Malabasey	1.50	From Existing Road
309	Samtse	Samtse	L1116	Upper Lamatar	1.80	From Existing Road
308	Samtse	Samtse	L1115	Lower Lamatar	1.90	From Existing Road
295	Samtse	Samtse	L1102	Sangla	2.70	From Existing Road
301	Samtse	Samtse	L1108	Mandrani B	3.00	From Existing Road
300	Samtse	Samtse	L1107	Mandrani A	3.50	From Existing Road
299	Samtse	Samtse	L1106	Trashim	3.50	From Existing Road
314	Samtse	Tading	L1304	Thunuwa		Electrified
332	Samtse	Tendu	L1405	Khentong		Electrified
331	Samtse	Tendu	L1404	Nigaley		Electrified
328	Samtse	Tendu	L1401	N.Bindu		Electrified
764	Sarpang	Chhuzagang	M0203	Kar bathang	0.50	From Existing Road
763	Sarpang	Chhuzagang	M0202	Chaskhar	0.50	On Existing Road
765	Sarpang	Chhuzagang	M0204	Singeyling	1.10	From Existing Road
762	Sarpang	Chhuzagang	M0201	Dawathang (Khatoe)		On Existing Road
774	Sarpang	Dekiling	M0309	Leokhop	0.80	From Existing Road
773	Sarpang	Dekiling	M0308	Sukhatargaon / Derbe	1.00	From Existing Road
795	Sarpang	Doban	M0508	Doban	0.20	From Proposed Road
796	Sarpang	Doban	M0509	Ranikhop	0.60	From Proposed Road
793	Sarpang	Doban	M0506	Ramety / Ranitar	0.60	From Proposed Road
802	Sarpang	Doban	M0515	Daragaon	1.00	From Proposed Road
798	Sarpang	Doban	M0511	Bichhola A	1.00	From Proposed Road
803	Sarpang	Doban	M0516	Tirkhola	1.40	From Proposed Road
797	Sarpang	Doban	M0510	Maukhola	1.40	From Proposed Road
792	Sarpang	Doban	M0505	Gungring / Bhimeray	4.00	From Proposed Road
810	Sarpang	Doban	M0523	Pathibara B	4.40	From Proposed Road
789	Sarpang	Doban	M0502	Maugaon A	4.40	From Proposed Road
809	Sarpang	Doban	M0522	Pathibara A	4.80	From Proposed Road
790	Sarpang	Doban	M0503	Maugaon B	5.20	From Proposed Road
811	Sarpang	Doban	M0524	Baragharey	5.50	From Proposed Road
812	Sarpang	Doban	M0525	Dhankutidara	6.00	From Proposed Road
791	Sarpang	Doban	M0504	Maugaon C	6.00	From Proposed Road
814	Sarpang	Doban	M0527	Ratigaon	6.50	From Proposed Road
817	Sarpang	Doban	M0530	Mongar Gaon C	7.00	From Proposed Road
816	Sarpang	Doban	M0529	Mongar Gaon B	7.00	From Proposed Road
815	Sarpang	Doban	M0528	Mongar Gaon A	7.00	From Proposed Road
813	Sarpang	Doban	M0526	Khargaon	7.50	From Proposed Road
794	Sarpang	Doban	M0507	Pangkhey		On Proposed Road
823	Sarpang	Gelephu	M0606	Pemathang B	0.40	From Existing Road
821	Sarpang	Gelephu	M0604	Lekithang A	0.70	From Existing Road
822	Sarpang	Gelephu	M0605	Lekithang B		On Existing Road
818	Sarpang	Gelephu	M0601	Zomlingthang		On Existing Road
834	Sarpang	Hiley	M0711	Mithapani	0.50	From Existing Road
832	Sarpang	Hiley	M0709	Tsange	0.60	From Existing Road
824	Sarpang	Hiley	M0701	Hilleygaon		On Existing Road
867	Sarpang	Jigmechhoeling	M0817	Pakhey	2.70	From Existing Road
866	Sarpang	Jigmechhoeling	M0816	Tormey	3.50	From Existing Road
865	Sarpang	Jigmechhoeling	M0815	Sukumbasi B	3.50	From Existing Road
864	Sarpang	Jigmechhoeling	M0814	Sukumbasi A	4.00	From Existing Road
851	Sarpang	Jigmechhoeling	M0801	Bagjungay	7.20	From Proposed Road
863	Sarpang	Jigmechhoeling	M0813	Semkharka B	7.90	From Existing Road
854	Sarpang	Jigmechhoeling	M0804	Dungay	8.00	From Proposed Road
852	Sarpang	Jigmechhoeling	M0802	Mongargaon	8.00	From Proposed Road
862	Sarpang	Jigmechhoeling	M0812	Semkharka A	8.40	From Existing Road
853	Sarpang	Jigmechhoeling	M0803	Gairigaon	9.50	From Proposed Road
861	Sarpang	Jigmechhoeling	M0811	Madaley	10.00	From Existing Road
860	Sarpang	Jigmechhoeling	M0810	Ashaney	10.00	From Existing Road
856	Sarpang	Jigmechhoeling	M0806	Kholatar	10.50	From Proposed Road
855	Sarpang	Jigmechhoeling	M0805	Gongdara	10.50	From Proposed Road
858	Sarpang	Jigmechhoeling	M0808	Gong-gaon	11.20	From Proposed Road
857	Sarpang	Jigmechhoeling	M0807	Virgaon	12.00	From Proposed Road
871	Sarpang	Jigmechhoeling	M0821	Batasey		On Existing Road
902	Sarpang	Sarpang	M1109	Sawali	0.20	From Existing Road

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ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NAME	Distance (approx) KM	Remarks
917	Sarpang	Umling	M1503	Tashithang	0.20	From Existing Road
915	Sarpang	Umling	M1501	Chubarthang	0.20	From Existing Road
918	Sarpang	Umling	M1504	Gawazur (Dongri)	0.30	From Existing Road
916	Sarpang	Umling	M1502	Thongzur	0.50	From Existing Road
9	Thimphu	Mewang	N0701	Tsaphu	1.50	From Existing Road
1567	Trashigang	Bidung	O0208	Lemphang	1.30	From Existing Road
1569	Trashigang	Bidung	O0210	Wombulla	1.60	From Existing Road
1568	Trashigang	Bidung	O0209	Gongchillo	2.10	From Existing Road
1570	Trashigang	Bidung	O0211	Chema	2.70	From Existing Road
1563	Trashigang	Bidung	O0204	Solo Gonpa	3.50	From Existing Road/ 2 Km proposed Feeder Road
1560	Trashigang	Bidung	O0201	Pokto		On proposed Feeder Road
1578	Trashigang	Kanglung	O0308	Ngangla	0.20	From Existing Road
1572	Trashigang	Kanglung	O0302	Serthey	0.40	From Existing Road
1576	Trashigang	Kanglung	O0306	Sertsangri	0.70	From Existing Road
1575	Trashigang	Kanglung	O0305	Ganthey	1.50	From Existing Road
1574	Trashigang	Kanglung	O0304	Jagarthung	1.60	From Existing Road
1573	Trashigang	Kanglung	O0303	Rithung Gonpa		On Road under Construction
1571	Trashigang	Kanglung	O0301	Shinangkhar		On Existing Road
1592	Trashigang	Lumang	O0601	Shacharey / Jadrung	0.40	From Existing Road
1593	Trashigang	Lumang	O0602	Phomnang	0.60	From Existing Road
1600	Trashigang	Lumang	O0609	Wakhar		Electrified
1607	Trashigang	Mera	O0704	Khashiteng	5.70	From Proposed Feeder Road
1641	Trashigang	Samkhar	O1203	Tamlung	1.40	From Existing Road
1640	Trashigang	Samkhar	O1202	Zangfaktsam	1.70	From Existing Road
1643	Trashigang	Shongphu	O1302	Dramang	0.10	From Existing Road
1656	Trashigang	Udzorong	O1505	Gyenkhar	2.00	From Existing Road
1655	Trashigang	Udzorong	O1504	Mankhar	2.00	From Existing Road
1660	Trashigang	Yangnyer	O1604	Thangkhoi	1.40	From Existing Road
1659	Trashigang	Yangnyer	O1603	Durung	1.50	From Existing Road
1024	Trongsa	Langthil	Q0308	Jangbi	2.00	From Existing Road
1025	Trongsa	Langthil	Q0309	Phrumzor	2.20	From Existing Road
1042	Trongsa	Nubi	Q0411	Gagar	0.00	From Existing Road
1037	Trongsa	Nubi	Q0406	Kaba	0.00	From Proposed Feeder Road
1036	Trongsa	Nubi	Q0405	Daba	0.20	From Proposed Road (proposed on road)
1035	Trongsa	Nubi	Q0404	Daba Simjungling	0.20	From Proposed Road
1032	Trongsa	Nubi	Q0401	Drangshe	0.50	From Existing Road
1033	Trongsa	Nubi	Q0402	Chela	1.00	From Existing Road
1041	Trongsa	Nubi	Q0410	Jongthang	1.10	From Proposed Feeder Road
1039	Trongsa	Nubi	Q0408	Karshong	1.20	From Existing Road
1040	Trongsa	Nubi	Q0409	Lower Karshong	1.40	From Proposed Feeder Road
1038	Trongsa	Nubi	Q0407	Bemjee / Pang	2.20	From Existing Road
1034	Trongsa	Nubi	Q0403	Simphu	5.00	From Existing Road
1056	Trongsa	Tangsibji	Q0511	Chendibji		Electrified
412	Tsirang	Rangthang Ung	R1007	Sunkosh	1.00	From Existing Road
567	Wangduephodrang	Athang	S0101	Jarigang	0.70	From Existing Road
574	Wangduephodrang	Athang	S0108	Nazina	4.00	From Existing Road / 2Km From Proposed Road
587	Wangduephodrang	Bjena	S0205	Bojina		ACB
586	Wangduephodrang	Bjena	S0204	Gamakha / Sistakha		ACB
585	Wangduephodrang	Bjena	S0203	Phubjiyusa		Accelated Rural Electrification
584	Wangduephodrang	Bjena	S0202	Khelakha / Tongchena		On Existing Road
603	Wangduephodrang	Dangchhu	S0406	Penjoling / Dajeling		ACB
622	Wangduephodrang	Gangte	S0512	Yaekoo / Hindusampa		ACB
620	Wangduephodrang	Gangte	S0510	Tokha		ACB
617	Wangduephodrang	Gangte	S0507	Talachumji		ACB
616	Wangduephodrang	Gangte	S0506	Phubjithang		ACB
614	Wangduephodrang	Gangte	S0504	Sangtana		ACB
634	Wangduephodrang	Gasetsho Wom	S0705	Drana Lhakhang	1.10	From Existing Road
632	Wangduephodrang	Gasetsho Wom	S0703	Tenga	1.50	From Existing Road

ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NA	Distance (approx) KM	Remarks
639	Wangduephodrang	Kazhi	S0805	Rephakha / Guenshakh	0.30	From Existing Road
638	Wangduephodrang	Kazhi	S0804	Whomina		On Existing Road
637	Wangduephodrang	Kazhi	S0803	Bell		On Existing Road
636	Wangduephodrang	Kazhi	S0802	Belang Dagney		On Existing Road
643	Wangduephodrang	Nahi	S0902	Pangtsho Goenpa	2.50	From Existing Road
660	Wangduephodrang	Nyisho	S1016	Chumitenkha / Wampak	1.00	From Existing Road
646	Wangduephodrang	Nyisho	S1002	Pangkha	1.00	From Existing Road
693	Wangduephodrang	Phobji	S1226	Chizula / Zhugay		ACB
691	Wangduephodrang	Phobji	S1224	Damchen Lhakhang		ACB
690	Wangduephodrang	Phobji	S1223	Gangphel		ACB
689	Wangduephodrang	Phobji	S1222	Khebethang (Nature S		ACB
688	Wangduephodrang	Phobji	S1221	Soba / Takchey		ACB
687	Wangduephodrang	Phobji	S1220	Gaytezin		ACB
686	Wangduephodrang	Phobji	S1219	Zewa		ACB
685	Wangduephodrang	Phobji	S1218	Chakji		ACB
684	Wangduephodrang	Phobji	S1217	Gangyul		ACB
682	Wangduephodrang	Phobji	S1215	Tawa		ACB
681	Wangduephodrang	Phobji	S1214	Phuelam / Rameychen		ACB
680	Wangduephodrang	Phobji	S1213	Shenglam / Ningtosa		ACB
678	Wangduephodrang	Phobji	S1211	Tongchen / Likchen		ACB
677	Wangduephodrang	Phobji	S1210	Chimlo / Ramsapa / D		ACB
676	Wangduephodrang	Phobji	S1209	Kilthang		ACB
673	Wangduephodrang	Phobji	S1206	Yukuma / Chumeychen		ACB
672	Wangduephodrang	Phobji	S1205	Tangkha / Dugsina		ACB
670	Wangduephodrang	Phobji	S1203	Dangpa		ACB
669	Wangduephodrang	Phobji	S1202	Khelwang / Jangchu G		ACB
698	Wangduephodrang	Ruepisa	S1305	Jasikha	1.20	From Existing Road
697	Wangduephodrang	Ruepisa	S1304	Alegang	1.20	From Existing Road
696	Wangduephodrang	Ruepisa	S1303	Telekha / Zamding	1.60	From Existing Road (Proposed road to the village)
694	Wangduephodrang	Ruepisa	S1301	Shellay	5.40	From Proposed Road
695	Wangduephodrang	Ruepisa	S1302	Chibegang	7.00	From Existing Road (4km from proposed road)
713	Wangduephodrang	Sephu	S1411	Nangkha / Rabu / Tsa	2.00	From Existing Road
1664	Yangtse	Bumdeling	P0104	Dawiling / Khigarju	0.20	Road Under Construction
1663	Yangtse	Bumdeling	P0103	Ngalimang	0.30	Road Under Construction
1672	Yangtse	Bumdeling	P0112	Lamrang	0.40	On Road under Construction
1667	Yangtse	Bumdeling	P0107	Longkhar / Tombrang	0.40	From Proposed Feeder Road
1669	Yangtse	Bumdeling	P0109	Panglowa	0.60	From Proposed Feeder Road/ 1.1 Km on Road under Construction
1674	Yangtse	Bumdeling	P0114	Betshamang	1.00	From Existing Road
1677	Yangtse	Bumdeling	P0117	Berting / Koblang	1.10	From Existing Road
1678	Yangtse	Bumdeling	P0118	Bamdir / Phongbu	1.20	From Existing Road
1665	Yangtse	Bumdeling	P0105	Lulu / School	1.80	Road Under Construction / .4Km from Proposed Feeder Road
1666	Yangtse	Bumdeling	P0106	Pangkhar / Khaiteng	2.50	From Road under Construction/ .7 Km from proposed Feeder Road
1676	Yangtse	Bumdeling	P0116	Wominang		On Existing Road
1675	Yangtse	Bumdeling	P0115	Rigom		On Existing Road
1673	Yangtse	Bumdeling	P0113	Samteling		On Road under Construction
1671	Yangtse	Bumdeling	P0111	Zhapang		On Road under Construction
1670	Yangtse	Bumdeling	P0110	Chhen		On Road under Construction
1668	Yangtse	Bumdeling	P0108	Tarphel		on proposed Feeder Road
1662	Yangtse	Bumdeling	P0102	Bomdiling		On Existing Road
1661	Yangtse	Bumdeling	P0101	Fanting		On Existing Road
1699	Yangtse	Tashi Yangtse	P0504	Seb		On Existing Road

ID as per DoE	DZ_NAME	GEWOG_NAME	VILLAGE_ID	VILLAGE_NA	Distance (approx) KM	Remarks
1708	Yangtse	Toetsho	P0609	Pang Goenpa	3.00	From Existing Road
922	Zhemgang	Bardo	T0104	Lower Bardo	0.20	From Proposed Road
921	Zhemgang	Bardo	T0103	Upper Bardo	0.50	From Proposed Road
928	Zhemgang	Bardo	T0110	Khomshar Towbee	2.50	From Proposed Road
954	Zhemgang	Nangkhor	T0404	Upper Tsaidang	0.70	From Existing Road
952	Zhemgang	Nangkhor	T0402	Kamjong	1.10	From Proposed Road
951	Zhemgang	Nangkhor	T0401	Duenmang	1.10	From Proposed Road
957	Zhemgang	Nangkhor	T0407	Lower Nyakhar		On Existing Road
955	Zhemgang	Nangkhor	T0405	Lower Tsaidang		On Existing Road
1008	Zhemgang	Trong	T080C	Dangkhar (Wangdigang)		On Existing Road
1006	Zhemgang	Trong	T080A	Khoebi Pam (Trong Pa)		On Existing Road

THE PREPARATORY SURVEY ON
RURAL ELECTRIFICATION PROJECT (PHASE-2)

IN KINGDOM OF BHUTAN

FINAL REPORT

APPENDIX

APPENDIX-C

**PRESENT STATUS OF
TELECOMMUNICATION SECTOR**

APPENDIX-C PRESENT STATUS OF TELECOMMUNICATION SECTOR

C.1 Introduction

Bhutan is a small landlocked country located in the Himalayas with an area of approximately 38,394 km² and an estimated population of 634,982 (2005 population and housing census). The landscape and the scattered housing and villages on the terrain make it difficult to provide electricity and phone line connections to the entire population.

In the information technology and telecommunication sector, Bhutan has come a long way since the first telephone network was established in 1963. As of December 2009, there were 26,384 fixed line telephones provided by the sole provider of fixed lines, i.e., Bhutan Telecom Limited. Internet was also first launched on June 2, 1999 by DrukNet and in the same year, cable television was also introduced in the country. With the introduction of mobile cellular phones on November 11, 2003, Bhutan joined the other counties in providing the population with mobile network coverage. When it comes to information and communications technology (ICT) and telecommunication, Bhutan has only one fixed line service provider (Bhutan Telecom Limited), two mobile providers (Tashi Cell and B-Mobile under Bhutan Telecom), and four internet providers (DrukNet under Bhutan Telecom, Samdentech Pvt Limited, Tashi Info Comm Limited and DrukCom).

From 1965 until 2006, Kuensel was the only print media. In the beginning of 2006, under a media liberalization policy, Bhutan Times and Bhutan Observer were licensed. Now in 2010, Bhutan has a total of five print media in circulation. Unlike in the past, Bhutan Broadcasting Service (BBS) was the only provider of radio and television broadcast across the kingdom. By the end of 2005, its FM radio service covered all the 20 dzongkhags. BBS TV has also gone nationwide using satellite technology and currently, 44 towns in Bhutan can watch BBS TV directly. Now, in addition to BBS FM radio, there are two other licensed functional radio stations, namely, Kuzoo FM 105 and Radio Valley FM 99.9.

The most important agency of RGoB in this sector which is responsible for policy level decisions is the Ministry of Information and Communication (MoIC). An autonomous agency called the Bhutan Info-Comm and Media Authority (BICMA) has been established as the regulatory and licensing body.

C.2 National Telecommunication Development Policy

In 2007, Minister Lyonpo Leki Dorji of MoIC said, “When I joined the erstwhile Ministry of Communication in 1995 as the Deputy Minister, internet and mobile phones were a distant dream for Bhutan” (MoIC, RGoB 2007).

Bhutan has started planned development in 1961 and followed a unique development path. A series of FYPs provided the framework for continuous development over the last 49 years. The first few FYPs focused on the development of basic infrastructure like roads, power and

telephone networks. During the end of the 6th FYP (1987 to 1992), the government realized the importance of telecommunication infrastructure as a basic requirement for socio-economic development. Thus, during the 7th and 8th FYP periods, the focus was on the development of the telecommunications sector.

In 1999, the Telecommunications Act was passed. Then, the Copyright Act was passed in 2000. The most recent act of relevance, i.e., Bhutan Information and Communications Act, was passed by the parliament in 2006. These acts were passed in order to create a regulatory environment that encourages the use and development of ICT. The Bhutan Information and Communications Act 2006 was instrumental in establishing BICMA as the regulator. BICMA is also the licensing authority of the ICT service providers. (Licensing of small IT companies is also done by the Ministry of Economic Affairs). Additionally, the RGoB has initiated a “tax holiday” for the import of ICT equipment, which means “no duty” on ICT equipment, in order to encourage the development of the ICT sector.

In July 2003, a new ministry, i.e., MoIC, was established. Its vision is “to connect the unconnected and establish a harmonious knowledge-based society”. The mission is “to promote the development of reliable and sustainable information and communication and transport networks system, and facilitate the provision of affordable and easier access to associated services, particularly to meet the basic social need and help improve living standards of people in rural and far-flung communities of Bhutan for the ultimate purpose of making a meaningful contribution to Gross National Happiness” (MoIC, RGoB 2007).

In July 2004, the MoIC developed the Bhutan Information and Communication Policy and Strategy (BIPS) in order to harness the potential of ICT. It gives importance to establishing good governance through the use of ICT, making the government more efficient and transparent. It aims at creating a high-tech habit making Bhutanese more ICT-friendly and informed. It also talks about creating a Bhutanese info-culture. It also emphasizes the need for human resource and infrastructure development and the encouragement of private sector development including the encouragement of foreign direct investment (FDI) to create employment.

The 10th FYP (2008-2013) gives high importance to the development of mainstream ICT at the central as well as district levels. The government hopes to reach the grassroots level by providing community information centers. It also gives importance to developing the slow growing ICT industry and developing ICT knowledge and skills.

C.3 National Investment Plan for Telecommunication Development

The investment plan for telecommunications depends on the 10th FYP’s priority. One of the most important priorities is the extension of the optical power ground wire (OPGW) network to create a reliable country network. There is already an OPGW link from Thimphu to Paro and Phuntsholing along the main power grid. There is a funding of Nu.950 million from the Government of India for the OPGW. The implementing agency for this project is BPC and it has already started with the works. There is a new OPGW connection from Bumthang to Tongsa and

Tsirang that will be connected to Geleghphu and outward to India. There is a plan to also create an additional line from Thimphu to Phuntsholing then connecting to India for more reliability in case one line fails.

The other important project is the Universal Access and Telecommunication Project. This involves Universal Service Fund (USF) with current funding of Nu.200 million. BICMA, B-Mobile and Tashi Cell have been given the task of connecting all gewogs, which means connecting all the gewog centers, by 2011. The RGoB has also plans to create an information technology (IT) park in collaboration with Indian IT firms in order to help develop skills and create more jobs. The details of the above information have been included in Table-C.3.1 below.

Table-C.3.1 10th FYP Projects of the Ministry of Information and Communication, RGoB

Program Code	Programme / Project activities	Indicative Cost	Resource Mobilized	Gap	Donor	Remarks
MIC/01	ICT and Postal development					
1.1	In-country data gateway established	235.000			ADB SASEC	Grant from ADB regional program SASEC-220 million
1.2	Implementation of National Broadband master plan	950.000			GoI	GoI (Nu. 950 m)
1.3	Establishment of CICs in the Geogs (GIC & OSS)	220.000				
1.4	Support establishment of Business Process Outsourcing Units	15.000				
1.5	Establishment of cyber parks, Wangchutaba	200.000			WB	WB (Nu. 8 million)
1.6	Establishment of ICT Research training center	150.000			ADB SASEC	
1.7	Government intranet application development	500.000			GoI	GoI (Nu. 150 m)
1.8	Construction of a IT Hub in Kanglung	50.000				
1.9	Provision of postal service in rural areas	10.000				
2.0	Universal access and telecommunication services in all villages	0.000			200 million to be met out of the Universal Service Fund	
2.1	Setting up an Emergency Communication System	0.000				Disaster Mgt. framework, coordinate in GNHC
	Total	2330.000	1580.900	749.100	Danida/GoI/UNDP/WB	Danida – Nu. 75 m; GoI- Nu. 1.100m; UNDP- Nu .77.9m; WB – Nu. 328 m

Source: Ministry of Information and Communication, RGoB

C.3.1 Current Coverage of Mobile Phone in Rural Areas of Bhutan

Figure-C.1 below shows the administrative boundaries of the 20 dzongkhags of Bhutan for which the study of mobile phone coverage is required.

Figure-C.3.1 Administrative Boundaries of the Twenty Districts

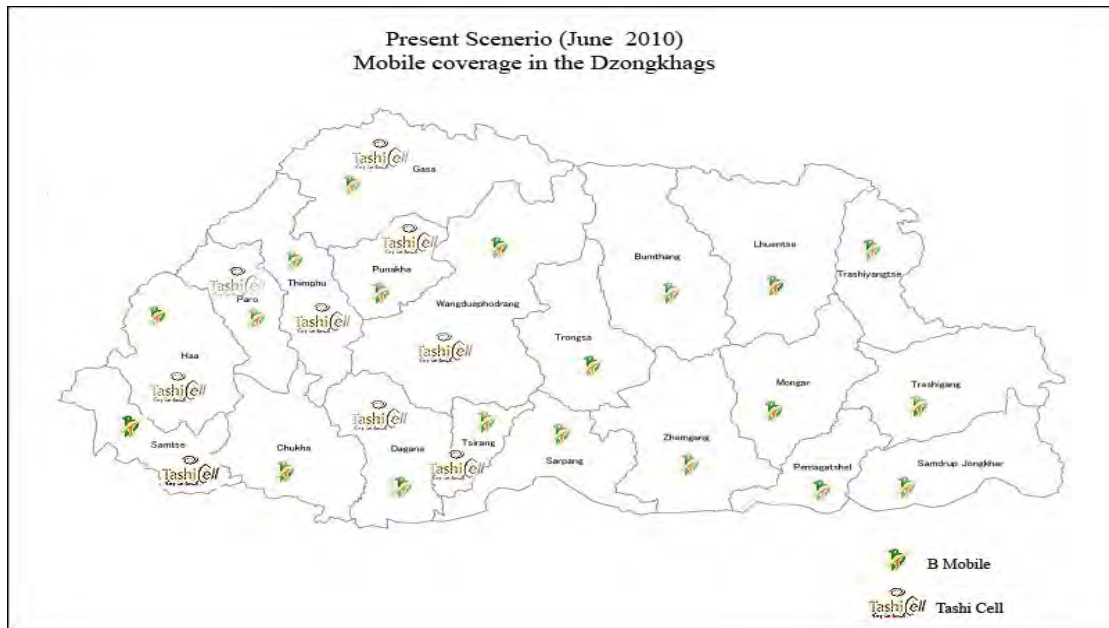


Source: http://www.bhutanmajestictravel.com/images/bhutan_map_dzongkhag_contour_tropographical.jpg date 20/5/2010

There are currently two mobile phone providers (Tashi Cell and B-Mobile under Bhutan Telecom) in Bhutan. Bhutan Telecom Limited launched B-Mobile cellular services on November 11, 2003. Tashi Info Comm Limited was awarded the second cellular license in November 2006 through an open bidding process. As of December 2009, the two mobile service providers, namely, B-Mobile and Tashi Cell, have a combined customer base of 327,052 mobile users in Bhutan. Figure-C.3.2 below shows the present coverage scenario of the two providers over the 20 districts.

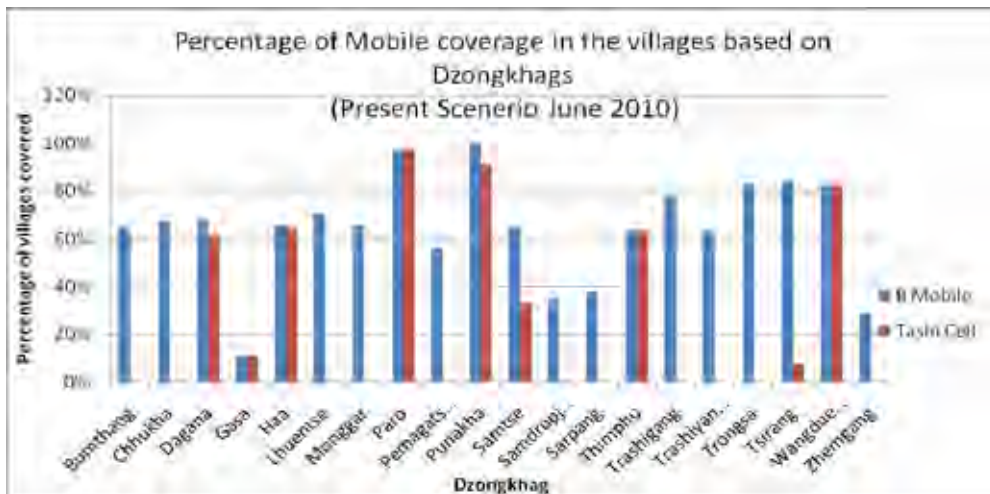
From Figure-C.3.2, it can be observed that B-Mobile has a wider coverage than Tashi Cell. Tashi Cell's coverage is focused currently in the western region of the country. In February 2007, B-Mobile services have been extended to all 20 dzongkhag headquarters. As of April 2007, B-mobile has installed 48 base transceiver stations (BTSs) in 20 dzongkhags covering 103 out of 205 gewogs. As of June 2010, B-Mobile has approximately 140 BTSs covering 167 gewogs. The main focus in 2010 of B-Mobile is extending coverage to all gewog centers. B-Mobile will further add 10 BTSs in various parts of the country to increase coverage. By 2011, B-Mobile hopes to have covered all 205 gewogs after which, the focus will shift to village level coverage.

Tashi Cell covers only nine dzongkhags. The coverage does not involve all the village levels. Tashi Cell has no network coverage in 11 dzongkhags, namely: Bumthang, Chukha, Lhuentse, Mongar, Pemagatshel, Samdrup Jongkhar, Sarpaang, Tashigang, Tashiyangrse, Tongsa and Zhemgang. C.3.2 below shows the percentage coverage in the villages in the 20 dzongkhags.



Source: Created from Data Source, Ministry of Information and Communication, RGoB

Figure-C.3.2 Present Scenerio of Mobile Coverage at Dzongkhag Level by the Two Providers

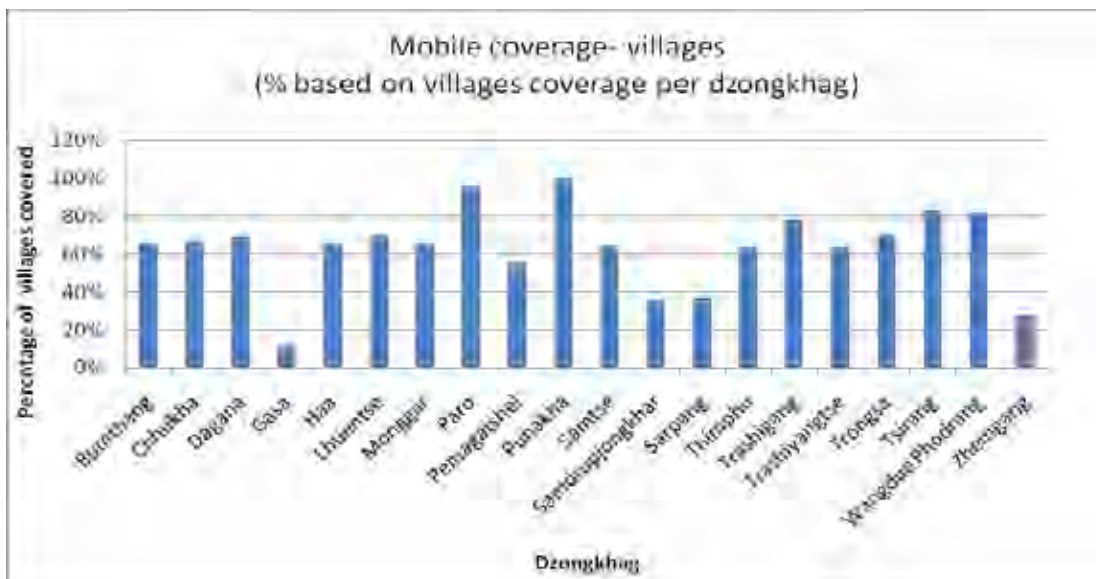


Source: Created from the Data Source, Ministry of Information and Communication, RGoB

Figure-C.3.3 Percentage of Mobile Coverage in Villages of the Dzongkhags

From Figure-C.3.3, it can be seen that both providers in Paro and Punakha have almost 100% coverage in all the villages of the two dzongkhags. Both also have 80% coverage in Wangdue and approximately 60% coverage in Thimphu. The coverage in Thimphu is low because of places in difficult and high altitude terrain. B-Mobile’s coverage is almost 50% in all dzongkhags except in Sarpang and Samdrup Jongkhar where it is about 40%.

Figure-C.3.4 shows the mobile phone coverage across villages in all the 20 dzongkhags by both providers. Both providers have the least number of villages covered in Gasa Dzongkhag with only 11% coverage. Table-C.7.1 to C.7.8 in the section C.7 has the detailed village-based data.

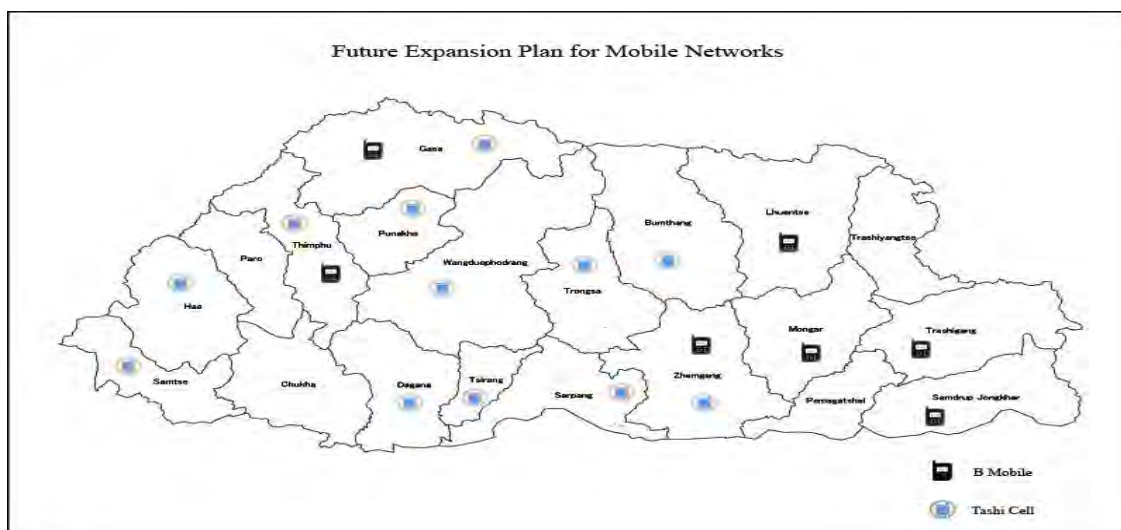


Source: Created from Data Source, Ministry of Information and Communication, RGoB, June 2010

Figure-C.3.4 Mobile Phone Coverage across Villages in all Twenty Dzongkhags by Both Providers

C.3.2 Future Expansion Plans of Mobile Phone Companies

The future expansion plans of both providers are shown in Figure-C.3.5 below. B-Mobile plans to expand to seven more dzongkhags and Tashi Cell to 12 more. Tashi Cell still shows no plan for the far eastern region of the country. Bhutan Telecomm (B-Mobile) has a target of trying to achieve universal service by providing services to rest of the unconnected gewogs by June 2011.



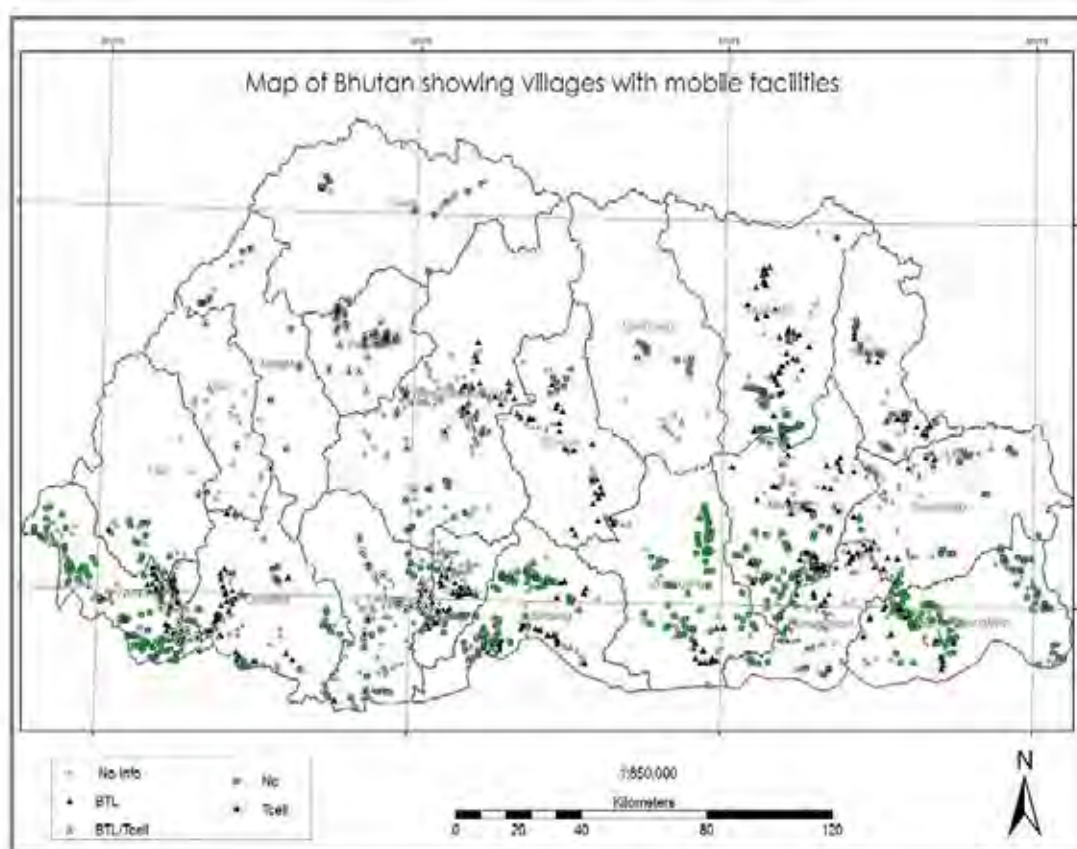
Source: Created from the Data Source, Ministry of Information and Communication, RGoB

Figure-C.3.5 Mobile Phone Coverage Expansion Plans of the Two Service Providers for Dzongkhags

C.4 Possibilities of Use of Mobiles for JICA Project Monitoring and Construction

The result of the analysis on the possibility of the use of mobiles for project monitoring and

construction supervision during the next phase of the JICA loan project is presented in this section. The non-electrified villages showing mobile phone coverage are shown in Figure-C.4.1 below. It is quite apparent from the map that many of the non-electrified villages in Bhutan will have network coverage before electrification. Many of the villagers are using mobile phones in non-electrified villages and are probably using solar chargers or they go to areas with electricity once in a while to charge their phones. They often switch off their phones to save battery and often use it to make outgoing calls only.



Source: Created from various Data Sources, Ministry of Information and Communication, RGoB and DoE, MoEA, RGoB

Figure-C.4.1 Non-Electrified Villages Showing Mobile Phone Coverage

C.5 Tariff for Prepaid Package for Mobile Phones

Timing for prepaid tariff provided by the two mobile phone companies is presented in Table-C.5.1 below. The timing is important as this is the basis for charging the tariffs. The off-peak hours start at 9 a.m. for B-Mobile and at 6 a.m. for Tashi Cell. The duration of off-peak period is 7 hours for B-Mobile and 12 hours for Tashi Cell. Peak hours for B-Mobile start at 4 p.m. and for Tashi Cell at 6 p.m. with a duration of 6 hours for both providers. B-Mobile's peak hours start 2 hours before Tashi Cell's peak hours. The economy hour for B-Mobile goes on for 11 hours whereas for Tashi Cell, it is only for 6 hours.

Table-C.5.1 Types of Timing for Prepaid Tariff

	Timing B Mobile		Timing Tashi Cell	
1.	Off Peak Hours	9 am - 4 pm	Standard Hours	6 AM - 6 PM
2.	Peak Hours	4 pm- 10pm	Peak Hours	6 PM - 12 Midnight
3.	Economy	10 pm - 1 am and 4am- 9am	Economy Hours	12 Midnight – 6 AM
4.	1AM – 3AM*	1am – 3am		

Source: Created from Telecom Website: <http://www.druknet.bt/prepaid/> and TashiCell Website http://www.tashicell.com/?page_id=70 dated 20/5/2010 *updated on 27/9/2010.

Table-C.5. and Table-C.5.3 in the following sections show the prepaid tariff for B-Mobile and Tashi Cell. By comparison, the tariff for the onnet, i.e., calls within their own network, is generally cheaper than the tariff for offnet, i.e., calls from B-Mobile to Tashi Cell and vice versa.

For recommendation purposes, it is assumed that government working hours are from 9 a.m. to 5 p.m. Therefore, they are the same for the RE project. Looking at the timing and tariff for B-Mobile from the above tables, it is seen that within network calls during the working hours fall within the off-peak hours and 1 hour of the peak hours, which only cost Nu.0.04/unit and Nu.0.50/unit, respectively. Similarly, it can also be seen that the calls during the working hours fall under the standard hours of Tashi Cell and cost Nu.0.40/unit within its network.

The comparison of the two tables for onnet users shows that for both the providers, the economy hours have the lowest cost with B-Mobile selling at Nu.0.30/unit from 10 p.m. to 9 a.m. and Tashi Cell with a minimum amount of Nu.0.10/unit from 12 a.m. to 6 a.m. The offnet rates seem to be the same for both mobile providers.

The short message service (SMS) tariff of both providers is Nu.1/SMS (onnet and offnet).

Table-C.5.2 Prepaid Tariff for B-Mobile

Call Category	Off-peak Hours	Peak Hours	Economy	1AM – 3AM
Onnet	NU 0.40/unit	NU 0.50/unit	NU 0.30/unit	NU 0.10/unit
Offnet (B-Mobile to Tashi Cell)	NU 0.50/unit	NU 0.70/unit	NU 0.40/unit	

(1 unit =15 seconds.)

Note: OFFNET refers to calls made from BTL network to other networks within Bhutan, while ONNET calls refers to calls made within the BTL network.

Source: Created from Telecom Website: <http://www.druknet.bt/prepaid/> dated 20/5/2010

Table-C.5.3 Prepaid Tariff for Tashi Cell

Call Category	Standard Hours	Peak Hours	Economy Hours
On-net (TashiCell to TashiCell)	Nu. 0.40/unit	1st Min: Nu 0.50/unit 2nd Min: Nu. 0.45/unit Thereafter: Nu. 0.40/unit	Nu. 0.10/unit
Offnet (TashiCell to BMobile)	Nu. 0.50/unit	Nu. 0.70/unit	Nu. 0.40/unit
TashiCell to BTL (Fixed Line)	Nu. 0.75/unit	Nu. 0.75/unit	Nu. 0.75/unit

(1 unit =15 seconds.)

Source: Created from TashiCell website <http://www.tashicell.com/> dated 20/5/2010

C.6 Recommendation

Based on the analysis, it is recommended that B-Mobile should be used for monitoring the RE project as B-Mobile has a vast area coverage in terms of providing services to the gewogs/dzongkhags. Also, the rate of B-Mobile and Tashi Cell between 9 a.m. and 4 p.m. is the same, i.e., Nu.0.40/unit. Tashi Cell has generally cheaper rates for onnet users than B-Mobile, but since it is a comparatively new telecommunication company, it has much less area coverage.

For charging phones where there is no electricity, the use of solar chargers, such as the one developed by the “Suntric” company called solar strip charger, can be provided. This solar charger is very light, flat with a few solar panels, has height and width of approximately 15 cm, and very portable. The details can be viewed on www.suntica.com.

C.6 Mobile Phone Coverage

Table-C.6.1 B Mobile and Tashi Cell Coverage by Percentage

Dzongkhags	Mobile coverage-villages	Total Number of Villages	Mobile coverage (by type)-villages		Percentage Covered	
			BTL	TCELL	B Mobile	Tashi Cell
Bumthang	66%	68	44	0	65%	0%
Chhukha	67%	116	78	0	67%	0%
Dagana	69%	65	44	40	68%	62%
Gasa	11%	18	2	2	11%	11%
Haa	66%	82	54	53	66%	65%
Lhuentse	70%	297	209	0	70%	0%
Monggar	66%	290	191	0	66%	0%
Paro	96%	429	417	417	97%	97%
Pemagatshel	56%	130	73	0	56%	0%
Punakha	100%	179	179	163	100%	91%
Samtse	65%	223	145	75	65%	34%

Samdrupjongkhar	35%	213	74	0	35%	0%
Sarpang	37%	161	62	0	39%	0%
Thimphu	63%	120	76	76	63%	63%
Trashigang	78%	209	163	0	78%	0%
Trashiyangtse	63%	120	76	0	63%	0%
Trongsa	70%	54	45	0	83%	0%
Tsirang	84%	77	65	6	84%	8%
Wangdue Phodrang	82%	101	83	83	82%	82%
Zhemgang	28%	69	20	0	29%	0%
Totals		3021	2100	915	70%	30%

Table-C.6.2 Summary of Telecommunication Connectivity

Sl. No	Dzongkhags	Total no. of Geogs and villages		Fixed line covers- villages	No Fixed Line coverage (Villages)	Mobile coverage (Villages)	Partially covered villages	Villages within particular Geog(s) without mobile service	Mobile coverage (by type)-villages		Villages without mobile coverages	Mobile coverage- villages
		Geog	Villages						BTL	TCELL		
1	Bumthang	4	68	44	24	45	0	1(3 villages)	44	23	66%	
2	Chhukha	12	116	39	77	78	0	2 (11 villages)	78	38	67%	
3	Dagana	13	65	36	29	45	0	2(10 villages)	44	20	69%	
4	Gasa	4	18	0	18	2	0	2(16 villages)	2	16	11%	
5	Haa	6	82	29	53	54	0	1(17 villages)	54	28	66%	
6	Lhuentse	8	297	16	281	209	0	1(36 villages)	209	88	70%	
7	Monggar	17	290	54	236	191	24	4(55 villages)	191	75	66%	
8	Paro	10	429	417	12	414	3		417	12	96%	
9	Penagatshel	11	130	19	111	73	3	3 (34 villages)	73	54	56%	
10	Punakha	11	179	174	5	179	0		179	0	100%	
11	Samtse	15	223	53	170	146	0	5 (38 villages)	145	77	65%	
12	Samdrupjongkhar	11	213	57	156	74	0	4 (66 villages)	74	139	35%	
13	Sarpang	12	161	37	124	57	6	3(26 villages)	62	98	37%	
14	Thimphu	8	120	66	54	75	0	4(41 villages)	76	45	63%	
15	Trashigang	15	209	194	15	163	0	2(15 villages)	163	46	78%	
16	Trashiyangtse	8	120	62	58	76	0		76	44	63%	
17	Trongsa	5	54	52	2	38	7		45	9	70%	
18	Tsirang	12	77	7	70	65	0		65	12	84%	
19	Wangdue Phodrang	15	101	15	86	83	0		83	18	82%	
20	Zhemgang	8	69	20	49	19	1	4(34 villages)	20	49	28%	
	Total	205	3021	1391	1630	2086	44	38 Geogs (402 villages)	2100	915	891	64%

Table-C.6.3 Present Scenario for B Mobile (coverage in Geogs)



13/06/2010

	Dzongkhag	Gewog	No of Villages	Mobile Coverage	Not Covered	Partially Covered	Not found in map
				Full	No		
1	Bumthang	Chumey	14	12	2	0	
2	Bumthang	Tang	3	0	3	0	
3	Bumthang	Chhokhor	41	23	18	0	
4	Bumthang	Ura	10	10	0	0	
5	Chhukha	Darla	20	13	7	0	
6	Chhukha	Dungana	5	4	1	0	
7	Chhukha	Geling	7	2	5	0	
8	Chhukha	Getana	7	0	7	0	
9	Chhukha	Lokchina	12	8	4	0	
10	Chhukha	Metakha	6	5	1	0	
11	Chhukha	P/Ling	20	15	5	0	
12	Chhukha	Sampyeling	12	8	4	0	
13	Chhukha	Bongo	12	12	0	0	
14	Chhukha	Chapcha	11	11	0	0	
15	Chhukha	Bjochho	4	0	4	0	
16	Chhukha	Phuntsholing Throm	7	7	0	0	
17	Dagana	Drujegang	5	5	0	0	
18	Dagana	Tshangkha	5	5	0	0	
19	Dagana	Goshi	4	4	0	0	
20	Dagana	Tsendagang	4	4	0	0	
21	Dagana	khebesa	6	6	0	0	
22	Dagana	Geserling	6	3	3	0	
23	Dagana	Kana	5	5	0	0	
24	Dagana	Tseza	5	5	0	0	
25	Dagana	Lhomoyzingkha	4	1	3	0	
26	Dagana	Nichula	4	0	4	0	
27	Dagana	Deorali	5	4	1	0	
28	Dagana	Lhaja	6	0	6	0	
29	Dagana	Dorona	6	3	3	0	
30	Gasa	Laya	7	0	7	0	
31	Gasa	Lunana	9	0	9	0	
32	Gasa	Khamaey	1	1	0	0	
33	Gasa	Khatoe	1	1	0	0	
34	Haa	Katsho	7	7	0	0	
35	Haa	Samar	10	8	2	0	
36	Haa	Sangbaykha	10	1	9	0	
37	Haa	Bjee	23	23	0	0	

	Dzongkhag	Gewog	No of Villages	Mobile Coverage	Not Covered	Partially Covered	Not found in map
				Full	No		
38	Haa	Eusu	15	15	0	0	
39	Haa	Gakiling	17	0	17	0	
40	Lhuntse	Gangzur	35	35	0	0	
41	Lhuntse	Jarry	9	4	5	0	
42	Lhuntse	Khoma	21	17	4	0	
43	Lhuntse	Kurtoe	48	48	0	0	
44	Lhuntse	Menbi	68	68	0	0	
45	Lhuntse	Metsho	36	0	36	0	
46	Lhuntse	Menji	24	24	0	0	
47	Lhuntse	Tshenkhar	56	13	43	0	
48	Mongar	Ballam	8	1	0	7	
49	Mongar	Challi	8	7	0	1	
50	Mongar	Chaskhar	7	7	0	0	
51	Mongar	Drametse	10	10	0	0	
52	Mongar	Drepong	5	0	5	0	
53	Mongar	Gongdue	17	0	17	0	
54	Mongar	Jurmey	10	5	5	0	
55	Mongar	Kengkhar	38	30	8	0	
56	Mongar	Monger	18	18	0	0	
57	Mongar	Narang	12	6	0	6	
58	Mongar	Ngatshang	21	21	0	0	
59	Mongar	Saling	10	5	4	1	
60	Mongar	Sherimuhung	26	25	0	1	
61	Mongar	Silambi	19	0	11	8	
62	Mongar	Thangrong	22	0	22	0	
63	Mongar	Tsakaling	51	51	0	0	
64	Mongar	Tsamang	8	5	3	0	
65	Paro	Dogar	37	37	0	0	
66	Paro	Dopshari	75	75	0	0	
67	Paro	Dotey	11	7	4	0	
68	Paro	Hungrel	17	17	0	0	
69	Paro	Lamgong	30	28	2	0	
70	Paro	Lungnyi	118	118	0	0	
71	Paro	Naja	27	14	0	3	
72	Paro	Shaba	16	15	1	0	
73	Paro	Tsento	20	25	5	0	
74	Paro	Wangchang	78	78	0	0	
75	Punakha	Shengana	23	23	0	0	
76	Punakha	Toep	16	16	0	0	
77	Punakha	Talo	8	8	0	0	
78	Punakha	Goenshari	5	5	0	0	
79	Punakha	Lingmukha	16	16	0	0	
80	Punakha	Toewang	17	17	0	0	

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	Dzongkhag	Gewog	No of Villages	Mobile Coverage	Not Covered	Partially Covered	Not found in map
				Full	No		
81	Punakha	Dzomi	19	19	0	0	
82	Punakha	Chhubu	16	16	0	0	
83	Punakha	Barp	7	7	0	0	
84	Punakha	Gumma	41	41	0	0	
85	Punakha	Kabasa	11	11	0	0	
86	Pemagatshel	Zobel	9	6	3	0	
87	Pemagatshel	Chhokhorling	8	1	7	0	Not found in map
88	Pemagatshel	Khar	14	0	14	0	
89	Pemagatshel	Nanong	22	22	0	0	
90	Pemagatshel	Yurung	21	21	0	0	
91	Pemagatshel	Shumer	11	11	0	0	
92	Pemagatshel	Norbugang	8	4	4	0	
93	Pemagatshel	Dungmin	13	0	13	0	
94	Pemagatshel	Dechenling	10	7	0	0	
95	Pemagatshel	Chongshing	6	6	0	0	
96	Pemagatshel	Chimung	8	8	0	0	
97	SamdrupJongkhar	Deothang	27	17	10	0	
98	SamdrupJongkhar	Wanghu	13	2	11	0	
99	SamdrupJongkhar	Gomdar	20	3	17	0	
100	SamdrupJongkhar	Martshala	25	4	21	0	
101	SamdrupJongkhar	Orong	26	25	1	0	
102	SamdrupJongkhar	Lauri	13	0	13	0	
103	SamdrupJongkhar	Pemathang	16	9	7	0	
104	SamdrupJongkhar	Langchenphu	14	0	14	0	
105	SamdrupJongkhar	Samrang	4	0	4	0	
106	SamdrupJongkhar	Serthi	35	0	35	0	
107	SamdrupJongkhar	Phuntshothang	20	14	6	0	
108	Samtse	Bara	9	0	9	0	
109	Samtse	Biru	11	0	11	0	
110	Samtse	Tendu	6	0	6	0	
111	Samtse	Sipsu	4	0	4	0	
112	Samtse	Laherini	8	0	8	0	
113	Samtse	Dorokha	21	18	3	0	
114	Samtse	Dungtoe	9	8	1	0	
115	Samtse	Denchukha	17	9	8	0	
116	Samtse	Samtse	21	10	11	0	
117	Samtse	Tading	19	19	0	0	
118	Samtse	Paghi	22	6	16	0	
119	Samtse	Ugentse	11	11	0	0	Not found in map
120	Samtse	Chargharay	35	35	0	0	
121	Samtse	Chengmari	18	18	0	0	
122	Samtse	Yoeseltse	12	12	0	0	Not found in map

	Dzongkhag	Gewog	No of Villages	Mobile Coverage	Not Covered	Partially Covered	Not found in map
				Full	No		
123	Sarpang	Dovan	21	10	11	0	
124	Sarpang	Singhe	12	12	0	0	
125	Sarpang	Taraythang	5	0	5	0	
126	Sarpang	Shershong	7	6	1	0	
127	Sarpang	Umling	8	2	3	3	
128	Sarpang	Dekiling	18	8	10	0	
129	Sarpang	Shompangkha	9	5	4	0	
130	Sarpang	Gelephu	7	7	0	0	
131	Sarpang	Chuzargang	9	0	9	0	
132	Sarpang	Hilley	26	3	23	0	
133	Sarpang	Bhur	11	9	2	0	
134	Sarpang	Jigmechoeling	28	7	18	3	
135	Thimphu	Dagala	4	0	4	0	
136	Thimphu	Soe	13	0	13	0	
137	Thimphu	Lingzhi	3	0	3	0	
138	Thimphu	Naro	21	21	0	0	
139	Thimphu	Mewang	41	37	4	0	
140	Thimphu	Kawang	18	18	0	0	
141	Thimphu	Chang	14	14	0	0	
142	Thimphu	Geney	6	6	0	0	
143	Tashigang	Bartsham	15	15	0	0	
144	Tashigang	Bidung	18	18	0	0	
145	Tashigang	Kanlung	10	10	0	0	
146	Tashigang	Khaling	11	11	0	0	
147	Tashigang	Lumang	23	21	2	0	
148	Tashigang	Merak	7	0	7	0	
149	Tashigang	Phongmey	12	9	3	0	
150	Tashigang	Radhi	17	17	0	0	
151	Tashigang	Sakteng	8	8	0	0	
152	Tashigang	Uzorong	22	20	2	0	
153	Tashigang	Samkhar	20	20	0	0	
154	Tashigang	Shongphu	7	7	0	0	
155	Tashigang	Yangneer	12	10	2	0	
156	Tashigang	Thrimsling	15	1	14	0	
157	Tashigang	Kangpara	12	4	8	0	
158	Tashiyangtse	Bumdeling	18	8	10	0	
159	Tashiyangtse	Tongzang	22	9	13	0	
160	Tashiyangtse	Yallang	9	7	2	0	
161	Tashiyangtse	Jamkhar	14	4	10	0	
162	Tashiyangtse	Yangtse	9	9	0	0	
163	Tashiyangtse	Ramjar	9	9	0	0	
164	Tashiyangtse	Toetsho	22	15	7	0	
165	Tashiyangtse	Khamdang	17	15	2	0	

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	Dzongkhag	Gewog	No of Villages	Mobile Coverage	Not Covered	Partially Covered	Not found in map
				Full	No		
166	Tsirang	Kihkorthang	6	6	0	0	Not found in map
167	Tsirang	Rangthangling	5	5	0	0	
168	Tsirang	Tsholingkhar	6	6	0	0	Not found in map
169	Tsirang	Gosaling	7	7	0	0	Not found in map
170	Tsirang	Zhemjong	4	4	0	0	Not found in map
171	Tsirang	Dunglagang	5	5	0	0	
172	Tsirang	Beteni	10	5	5	0	
173	Tsirang	Mendrelgang	7	7	0	0	Not found in map
174	Tsirang	Barshong	8	5	3	0	
175	Tsirang	Tsirangtoe	7	5	2	0	
176	Tsirang	Patala	6	4	2	0	
177	Tsirang	Phuentenchu	6	6	0	0	
178	Trongsa	Korphu	3	3	0	0	
179	Trongsa	Langthil	13	13	0	0	
180	Trongsa	Drakteng	9	9	0	0	
181	Trongsa	Nubi	21	9	9	3	
182	Trongsa	Tangsibjee	8	4	0	4	
183	WangduePhodrang	Theedtsho	4	4	0	0	
184	WangduePhodrang	Bjena	8	8	0	0	
185	WangduePhodrang	Athang	7	1	6	0	
186	WangduePhodrang	Daga	7	2	5	0	
187	WangduePhodrang	Nyisho	7	7	0	0	
188	WangduePhodrang	Gasetsho Wom	4	1	3	0	
189	WangduePhodrang	Gasetsho Gom	6	6	0	0	
190	WangduePhodrang	Nahi	5	5	0	0	
191	WangduePhodrang	Phangyul	7	7	0	0	
192	WangduePhodrang	Phobji	7	4	3	0	
193	WangduePhodrang	Gangtey	7	7	0	0	
194	WangduePhodrang	Dangchu	7	7	0	0	
195	WangduePhodrang	Sephu	10	10	0	0	
196	WangduePhodrang	Kazhi	5	5	0	0	
197	WangduePhodrang	Rupeisa	10	9	1	0	
198	Zhemgang	Bardo	7	0	7	0	
199	Zhemgang	Bjoka	8	4	4	0	
200	Zhemgang	Goshing	6	0	6	0	
201	Zhemgang	Nganla	8	6	2	0	
202	Zhemgang	Phangkhar	14	0	14	0	
203	Zhemgang	Shingkhar	7	0	7	0	
204	Zhemgang	Nangkhor	10	1	9	0	
205	Zhemgang	Trong	9	8	0	1	

Table-C.6.4 B Mobile future expansion plan in Geogs

Dzongkhag	Gewog
Gasa	Laya
Gasa	Lunana
Lhuentse	Jarray
Mongar	Thangrong
Samdrupjongkhar	Lauri
Samdrupjongkhar	Samrang
Samdrupjongkhar	Serthi
Thimphu	Lingzhi
Thimphu	Mewang
Thimphu	Soe
Trashigang	Merak
Zhemgang	Nangkhor
Zhemgang	Bardo
Zhemgang	Goshing
Zhemgang	Phangkhar
Zhemgang	Shingkar

Table-C.6.5 Present Scenerio for Tashi Cell (Coverage in Geogs)



Dzongkhag	Geogs	Not found in map
Chhukha	Chapcha	
Chhukha	P/ling	
Dagana	Deorali	
Dagana	Dorona	
Dagana	Drugegong	
Dagana	Geserling	
Dagana	Kana	
Dagana	Khebesa	
Dagana	Lhomoyzingkha	
Dagana	Tsendagang	
Dagana	Tseza	
Dagana	Tshangkha	
Haa	Bjee	
Haa	Eusu	
Haa	Katsho	
Haa	Samar	
Paro	Dogar	
Paro	Dopshari	
Paro	Dotey	
Paro	Hungrel	Not found in map
Paro	Lamgong	
Paro	Lungnyi	
Paro	Naja	
Paro	Shaba	
Paro	Tsento	
Paro	Wangchang	
Punakha	Barp	
Punakha	Chhubu	
Punakha	Dzomi	
Punakha	Goenshari	
Punakha	Gumma	
Punakha	Kabasa	
Punakha	Lingmukha	Not found in map
Punakha	Shengana	
Punakha	Talo	
Punakha	Toep	
Punakha	Toewang	
Samtse	Denchukha	
Samtse	Dorokha	
Samtse	Dungtoe	
Samtse	Pagli	

Dzongkhag	Geogs	Not found in map
Samtse	Samtse	
Samtse	Tading	
Samtse	Ugentse	Not found in map
Thimphu	Chang	
Thimphu	Geney	
Thimphu	Kawang	
Thimphu	Mewang	
Tsirang	Kihkorthang	Not found in map
Wangduephodrang	Athang	
Wangduephodrang	Bjena	
Wangduephodrang	Daga	
Wangduephodrang	Gasetsho Gom	
Wangduephodrang	Gasetsho Wom	
Wangduephodrang	Kazhi	
Wangduephodrang	Nahi	
Wangduephodrang	Nyisho	
Wangduephodrang	Phangyul	
Wangduephodrang	Rupeisa	
Wangduephodrang	Theedtsho	

Table-C.6.6 Tashi Cell future expansion plan in Geogs

Dzongkhag	Gewog	Map location not found
Bumthang	Tang	
Gasa	Khamaey	
Gasa	Khatoe	
Haa	Gakiling	
Haa	Sangbaykha	
Dagana	Drujegang	
Dagana	Geserling	
Dagana	Goshi	
Dagana	khebesa	
Dagana	Tsendagang	
Dagana	Tshangkha	
Punakha	Goenshari	
Punakha	Kabasa	
Samtse	Bara	
Samtse	Biru	
Samtse	Tendu	
Sarpang	Bhur	
Sarpang	Chuzargang	
Sarpang	Dekiling	
Sarpang	Gelephu	
Sarpang	Shershong	
Sarpang	Shompangkha	
Sarpang	Umling	
Thimphu	Dagala	
Trongsa	Nubi	
Tsirang	Beteni	
Tsirang	Dunglagang	
Tsirang	Kihkorthang	Not in map
Tsirang	Mendrelgang	Not in map
Tsirang	Patala	

Dzongkhag	Gewog	Map location not found
Tsirang	Ranthangling	
Tsirang	Tsirangtoe	
Wangdue Phodrang	Gangtey	
Zhemgang	Trong	

Table-C.6.7 Future Coverage in Dzongkhags for B Mobile

Sl. No	Dzongkhags	Total no. of Geogs and villages		BTL
		Geog Total	Village Total	
		Gewog for future expansion	(Village name for future expansion)	
4	Gasa	4	18	BTL to provide service by end June 2010
	Laya		Tongra	
			Lupcha	
			Nelo	
			Tokor	
			Pashi	
			Lungo	
			Geyza	
	Lunana		Thanga	Not decided
			Tenchey	
			Lhedi	
			Tshodzong	
			Thega	
			Ramina	
			Yusina	
			Watchey	
			Rejo	
6	Lhuentse	8	297	BTL to provide service by end July 2010 through USF fundings
	Jarray		Ladrong	
			Wayang	
			Yabee	
			Ngangngey	
			Thrapashing	
7	Monggar	17	290	

Sl. No	Dzongkhags	Total no. of Geogs and villages		BTL
		Geog Total	Village Total	
		Gewog for expansion	future (Village name for future expansion)	
		Thangrong	Panglem	BTL to provide service by end July 2010 through USF fundings
			Bauchiling	
			Walaktang	
			Changsinggonpa	
			Daksa	
			Babanang	
			Tongkangla	
			Atola	
			Kacha	
			Duling	
			Tongphu	
			Riphu	
			Lingkhar	
			Tibang	
			Thongkhar	
			Ngarpontang	
			Bikhulung	
			Khalangzi	
			Gomtshang	
			Phumdari	
			Changyola	
			Kidur	
12	Samdrupjongkhar	11	213	
		Lauri	Relnang	BTL to provide service by Aug/September 2010 through USF fundings
			Phajogoenpa	
			Momring	
			Lauri	
			Woongthi	
			Patpandang	
			Dungmanma	
			Betseling	
			Gonong	
			Serzhong	
			Tashiphu	
			Tshothang	
			Tshephu	
		Samrang	Sathpokari	BTL to provide service by Aug/September 2010 through USF fundings
			Samrang 'A'	
			Samrang 'B'	
			Hillay	
		Serthi	Tangphrang	
			Tangnagkpa	
			Lhakhangzor	
			Panthang (Serthi)	
			Tokari Goenpa	
			Chitori	
			Pangthang (Monmola)	
			Zor (Monmola)	
			Goenpa (Monmola)	
			Chuwangka (Monmola)	Cheling
			Dhukha (Monmola)	
			Thujay (Monmola)	
			Barkalagnang	
			Tashi Thangjay	
			Rebalingbi	
			Suskar	
			Phakchu	
			Junme	
			Deptsang	
			Denphu	
			Khanduphung	
			Jab (Khanduphung)	
			Woong (Khanduphung)	

Sl. No	Dzongkhags	Total no. of Geogs and villages		BTL
		Geog Total	Village Total	
		Gewog for expansion	future (Village name for future expansion)	
			Phakchu	
			Dekorwoong	
			Zor (Khanduphung)	
			Tangphrang (Khanduphung)	
			Pangthang (Khanduphung)	
			Sakari (Khanduphung)	
			Menjiwoog (Khanduphung)	
			Chaskhar (Menjiwoong)	
			Menjiwoong Peka (Khanduphung)	
			Pemagatshei	
			Chemari	
			Chemari (Borla)	

Sl. No	Dzongkhags	Total no. of Geogs and villages		BTL
		Geog Total	Village Total	
		Gewog for expansion	future (Village name for future expansion)	
14	Thimphu	8	120	BTL to provide service by Aug/ September 2010 through USF fundings
	Soe		Jamphu	
			Dozangang	
			Toegothang	
			Dozangtoe	
			Dotaboether	
			Changmatasa	
			Dotaboethang	
			Damdochong	
			Jangthang	
			Gadagthang	
			Jomophu	
			Ngegochong	
			Dagojong	
	Lingzhi		Chebsa	
			Gangyul	
			Tsaphu	
	Mewang		Pungshi	
			Patsekha	
			Sisina	
			Darlungkha	
			Khasakha	
			Langdro	
			Khasadrapchu	
			Tshaphu	
			Samakha	
			Sigyel	
			Ngizerkha	
			Simu	
			Chudingkha	
			Jamisa	
			Danglo	
			Waluna	
			Gida	
			Drokpisa	
			Goenwog	
			Lamwog	
			Jimigangsa	
			Dolepchen	
			Lingzhipakha	
			Piluna	
			Siluna	
			Jampel	
			Zhingsagang	
			Tshaluna	
			Silidraphu	

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Sl. No	Dzongkhags	Total no. of Geogs and villages		BTL
		Geog Total	Village Total	
		Gewog for expansion	future (Village name for future expansion)	
			Silikha	
			Jimina	
			Narithang	
			Khariphu	
			Dongkala	
			Kharribji	
			Dramdo Woma	
			Dramdo Goma	
			Toktokha	
			Jadingkha	
			Chimithangkha	
			Gidaphu	
15	Trashigang	15	209	
		Merak	Merak Tey	
			Merak Pangpa	
			Merak Woogpa	
			Merak Yulshipa	
			Gengo	
			Khashiteng	
			Khelphu	
20	Zhemgang	8	69	
		Bardo	Bardo	BTL to provide service by June 2010
			Khaomshar	
			Zilangbi	
			Langdurbi	
			Bigala	
			Phulabi	
			Kalamti	
		Goshing	Lingmapong	BTL to provide service by June 2010
			Samchoeling	
			Lichibi	
			Lamtang	
			Budasi	
			Mewagang (6 villages)	
		Nangkhor	Duenmang	BTL to provide service by June 2010
			Kamjong	
			Tshaidang	
			Ngyakhar	
			Goling	
			Shobling	
			Buli	
			Tali	
			Gonpa	
			Dakphai	

Sl. No	Dzongkhags	Total no. of Geogs and villages		BTL
		Geog Total	Village Total	
		Gewog for expansion	future (Village name for future expansion)	
		Phangkhar	Pantang	BTL to provide service by June 2010
			Zangbi	
			Shilingtoe	
			Yukhar	
			Tashibi	
			Zalapong	
			Mumung	
			Chapgoen	
			Kradijong	
			Redhijong	
			Tshobrang	
			Edli	
			Pngchola	
			Gujong	
		Shingkhar	Zangling	
			Thajong	
			Nimzhong	
			Radhi	
			Shingkhar	
			Thrisa	
			Wamling	

Table-C.6.8 Future Coverage in Dzongkhags for Tashi Cell Mobile

Sl. No	Dzongkhags	Total no. of Geogs and villages		Tashi Cell
		Geog Total	Village Total	
		Gewog for future expansion	(Village name for future expansion)	
1	Bumthang	4	68	Tashi cell to provide service by June 2010
	Tang		Tandingang	
			Chutey	
			Pangshing	
3	Dagana	13	65	Tashi cell to provide its coverage to Drujegang, Gesarling, Gozhi, Khebisa, Tashiding, Tsendengang, Tsendagang, Tsengkha, Daga town, Dagapela town and Drujegang town by June 2010 through USAID fundings
	Drujegang			
	Tshangkha			
	Goshi			
	Tsendagang			
	khebisa			
	Gesarling			
4	Gasa	4	18	To be connected by Tashi cell by June 2010
	Khamaey		Khamaey	
	Khatoe		Khatoe	
5	Haa	6	82	Tcell to provide its service through USAID fundings by June 2010
	Sangbaykha		Shabjee	
			Shaba	
			Anakha	
			Tshonglina	
			Galdrakha	
			Sangbay Ama	
			Nakhekha	
			Yaba	
			Shama	
	Gakiling		Dorithasa	Tcell to provide its service through USAID fundings June 2010
			Yangtsena	
			Kowkha	
			Rangtse	
			Yowkha	
			Tangna	
			Chago	
			Getangay	
			Putsena	
			Dramekha	
			Ngatsena	
			Thangdokha	
			Saijong	
			Getshekha	
			Gongrim	
			Gelagelay	
			Tektsena	
10	Punakha	11	179	Tcell to provide its coverage by June 2010 through USAID fundings
	Goenshari			
	Kabasa			

Sl. No	Dzongkhags	Total no. of Geogs and villages		Tashi Cell
		Geog Total	Village Total	
		Gewog for future expansion	(Village name for future expansion)	
11	Samtse	15	223	Tashi cell to provide services by June 2010 through USF fundings
	Bara		Chengu	
			Assamsa	
			Thrika	
			Gempang	
			Majuwa	
			Ling Tam	
			Bubay	
			Korigkha	
			Fenchi	
	Tendu		N. Bindu	
			D. Bindu	
			Pakpay	
			Jatey	
			Chargari	
			Okhorbotay	
	Biru		Katra Ray	
			Chiropaney	
			Talay	
			Hati Kharka	
			Serisi	
			Samatar	
			Upper Tachay	
			Jangatar	
			Chhitritar	
			Dami Gaon	
			Kopchay	
13	Sarpang	12	161	Tashi cell to provide service through USF fundings
	Dekiling		Pattabari	
			Kharpani	
			Yangchenphu	
			Gawaithang	
			Norbuthang	
			Trashiling	
			Dekiling	
			Darbithang	
			Leohop	
			Dolpani	
			Chokhorling	
			Bichpani	
			Doloungang	
			Jigmiling	
			Chipchepey	
			Rateygoan	
			Pharkay	
			Tinkunay	

Sl. No	Dzongkhags	Total no. of Geogs and villages		Tashi Cell
		Geog Total	Village Total	
		Gewog for future expansion	(Village name for future expansion)	
		Shompangkha	Norbugang	Tashi cell to provide service through USF fundings
			Dargaythang	
			kincholing	
			Pakhey	
			Tinjurey	
			Chaa	
			Sarpang tar	
			Sarpang Bazar	
			Kharey Pakhey	
		Shershong	Shershong	
			Barshong	
			Pangkhar	
			Kapong	
			pemaling	
			Norbuling	
			Tashiphu	
		Bhur	Dumdara	Tashi cell to provide service through USF fundings
			Kapchey	
			Gelegang	
			Bhur	
			Dungkarng	
			Dairy	
			Juprey	
			Jaruwa	
			Majuwa	
			Dechenpelri	
			Jepreydara	
		Gelephu	Sonam Gatshel	Tashi cell to provide service through USF fundings
			Rabdeyling	
			Lekithang	
			Pemathang	
			Zomlingthang	
			Pelrithang Khatoe	
			Pelrithang Khamey	
		Umling	Gadhan	Tashi cell to provide service through USF fundings
			Tashithang	
			Dangling	
			Dungmin	
			Rejung	
			Lingar	
			Tshoborthang	
			Thongiaizor	

Sl. No	Dzongkhags	Total no. of Geogs and villages		Tashi Cell
		Geog Total	Village Total	
		Gewog for future expansion	(Village name for future expansion)	
		Chuzargang	Dangzur	Tashi cell to provide service through USF fundings
			Yoeling	
			Tshogijabe	
			Shawapang	
			Barthang	
			Nimaling	
			Tshochen	
			Zombatoe	
14	Thimphu	8	120	
		Dagala	Chamgang	Tashi cell to provide service by June 2010 through USF fundings
			Wangdo	
			Dungdo	
			Getela	
17	Trongsa	5	54	
		Nubi	Choethrom	Tcell to provide its service
			Dangray	
			Dorgen	
			Poengar	
			Lawshong	
			Phuntshocholing	
			Jongthang	
			Jee	
			Jee Pam	
			Singbee	
			Yuling	
18	Tsirang	12	77	
		Kihkorthang		Tcell to cover the two villages through USF fundings by june 2010
		Ranthatling		
		Dunglagang		
		Beteni		
		Mendrelgang		
		Tsirangtoe	Kuapani	Tcell to cover the two villages through USF fundings bu June 2010
			Baktar	
		Patala	Rllangthang	
			Burichudhowan	
19	Wangdue Phodrang	15	101	
		Gangtey	Semchubara	Tashi cell to provide its service by June 2010 through USF fundigs
			Kumbu	
			Geyla	
			Aekoyog	
			Mang	
			Yusa	
			Gorgeon	
20	Zhemgang	8	69	

Sl. No	Dzongkhags	Total no. of Geogs and villages		Tashi Cell
		Geog Total	Village Total	
		Gewog for future expansion	(Village name for future expansion)	
		Trong	Trong	Tashi cell to provide service by June 2010
			Wangdigang	
			Dangkhar	
			Bertey	
			Tingtibi	
			Tshanglajong	
			Zurphey	
			Subrang	
			Gomphu	