

Nepal Telecommunications Authority

Telecommunication Insight

(Month, YYYY- Month, YYYY)

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1. Voice Telephony

1.1 Subscription of Voice Telephony Service

Operator	Technology		P 1	P 2	P 3	P 4	P 5	P 6	P 7	Total	Penetration (%)
Operator A	Fixed	PSTN									
		VSAT									
		WLL									
Operator B Operator C Operator D Operator E	Mobile	CDMA									
		GSM/IMT									
		GSM/IMT									
		GSM/IMT									
Others	Others	GMPCS									
Total											

Population Projection (2011-2031) 29,291,746 (Source: cbs.gov.np)

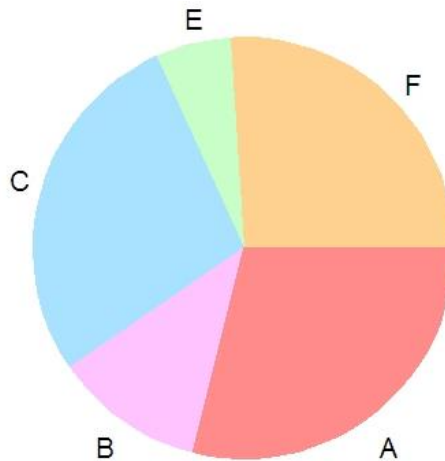
*P= Province

1.2 Market Share of Voice Services (Service-wise)



[Calculated from the Total Column of 1.1 for Fixed, Mobile and Others Services]

1.3 Market Share of Voice Services (Operator-wise)

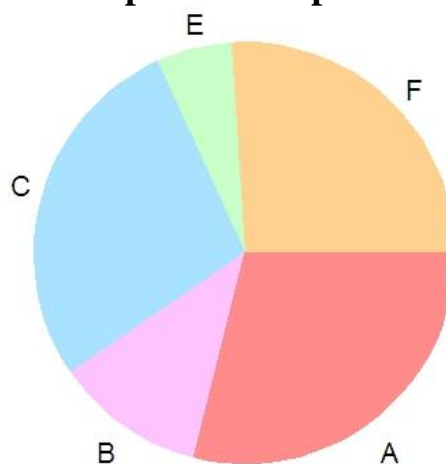


[Calculated from the Total Column of 1.1 for each Operators]

1.4 Number of GSM/ IMT Subscribers (Growth)

Operator	This Quarter	Previous Quarter	Growth (in %)
Operator A			
Operator B			
Operator C			

1.5 GSM/ IMT Market Share of Operators as per SIM card sells



[Calculated from the This Quarter Column of 1.4 for each Operators]

2. Internet Service

2.1 Subscription of Broadband Internet Service

Services		Subscribers				Total
		Operator A	Operator B	Operator C	ISPs	
Fixed Broadband (Wired)	ADSL #		-	-	-	
	Cable/ FTTH #	-	-	-		
	Internet Leased Line					
Fixed Broadband (Wireless)	Radio (WIFI) #					
	WiMAX #			-		
Mobile Broadband	3G					
	4G					
	EVDO					
Total						
Services		Subscription (%)				
Fixed Broadband (Wired) #						
Fixed Broadband (Wireless) #						
Mobile Broadband						
Total Broadband (%)						

Note: Data/Internet Service through GPRS Service is excluded in Broadband subscription

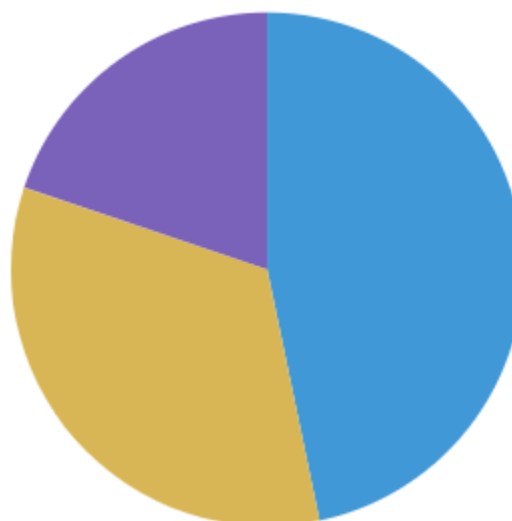
1 Connection equal to 4.88 subscribers for fixed broadband (Source: cbs.gov.np)

* Data for the month of Bhadra not received

@ Data not provided

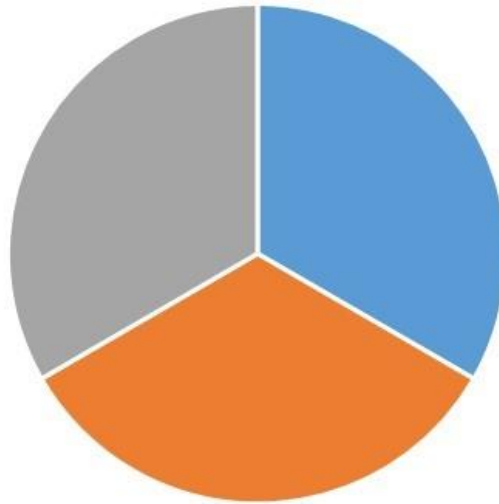
FTTH- Fibre to the Home

2.2 Market Share on Data Services (Technology-wise)



[Calculated from the Total Column of 1.1 for Fixed (Wired), Fixed (Wireless) and Mobile Broadband Services]

2.3 Market Share on Mobile Broadband (Operator-wise)

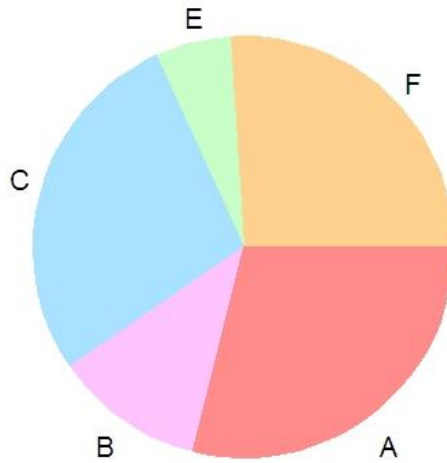


[Calculated from the Mobile Broadband Rows of 2.1 for each Operators]

2.4 Number of Subscribers (Fixed Internet Services)

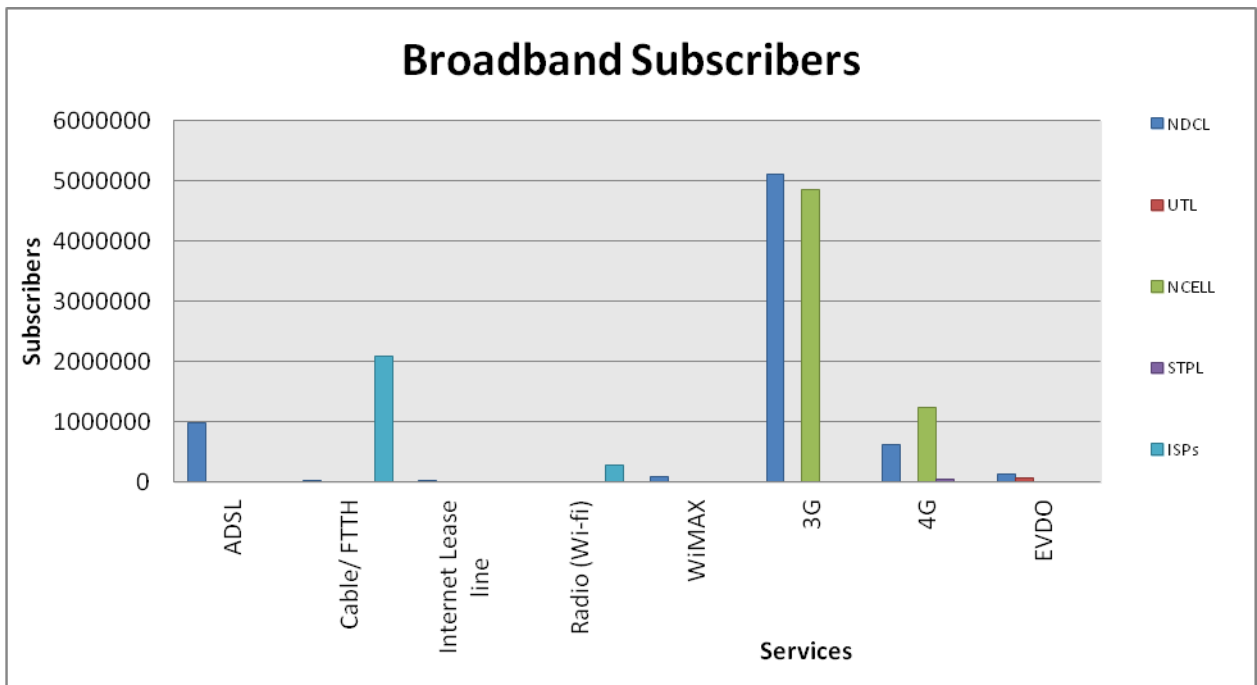
S. N.	Operator	Wireless	Cable	Fiber	Total (This Quarter)	Total (Previous Quarter)	Quarterly Growth (%)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
	Total						

2.5 Market Share on Fixed Broadband (Operator-wise)



[Calculated from the This Quarter Column of 2.3 for at least top 10 ISPs (Individually) and Others (Combined)]

2.5 Broadband Subscribers



3. Usage and Revenue

3.1 Call Volume (Voice)

[Erlangs/ Minutes]

Operator	Local Incoming	Local Outgoing	International Incoming	International Outgoing
Operator I				
Operator II				
Operator III				
Total				

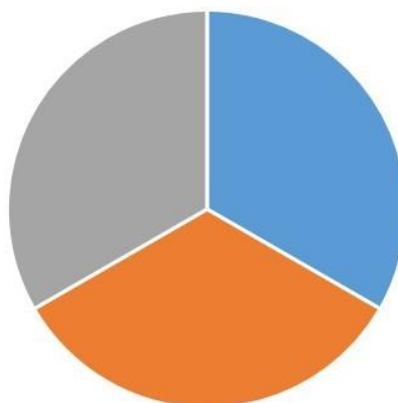
3.2 Data Volume

Operator	International BW Provider	Incoming Volume (GB)	Total
Operator I			
Operator II			
Total			

3.3 Number of Subscribers (HLR vs VLR)

Operator	This Quarter		Previous Quarter		Growth	
	HLR	VLR	HLR	VLR	HLR	VLR
Operator I						
Operator II						
Operator III						

3.4 GSM/ IMT Market Share of Operators as per VLR.



[Calculated from the This Quarter VLR Column of 3.3 for each Operators]

3.5 (ARPU) Average Revenue Per User (Voice, Data and SMS) [GSM/ IMT]

Operator	Voice ARPU (National)	Voice ARPU (International)	Data ARPU	SMS ARPU
Operator I				
Operator II				
Operator III				

3.6 Revenue from the Services

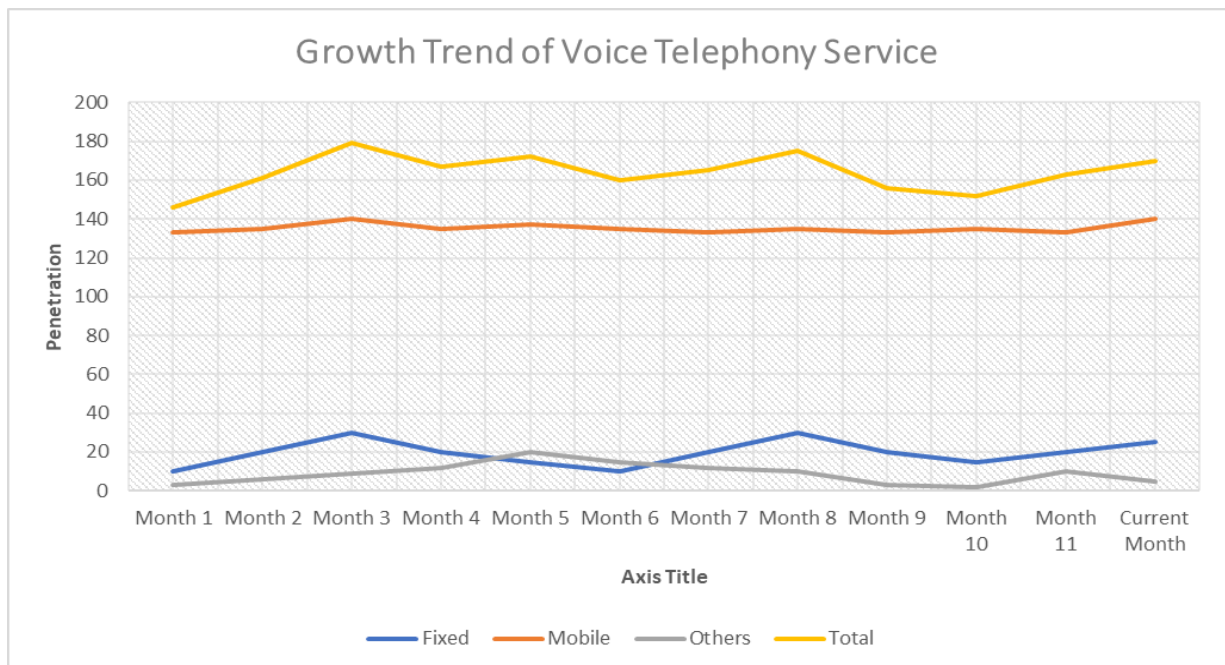
Revenue	This Quarter	Previous Quarter	Growth
Voice (National)			
Voice (International)			
Data Usage			
Others			

3.7 Revenue of Fixed Internet Services

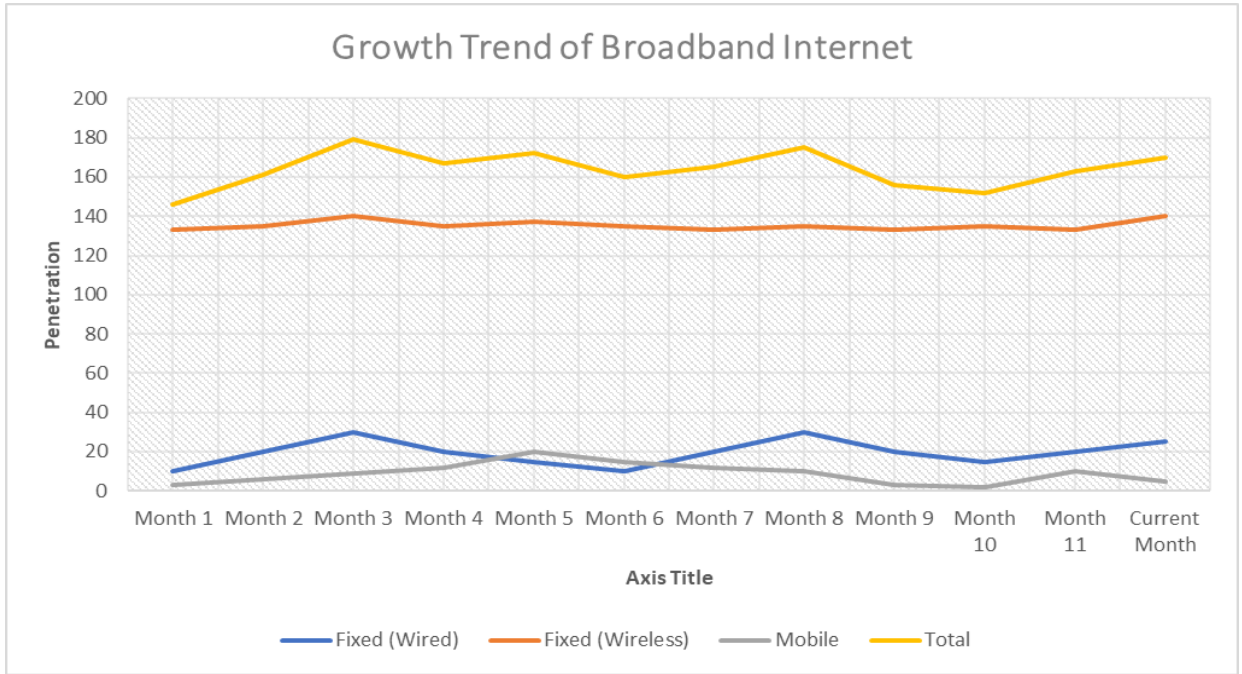
Operator	This Quarter	Previous Quarter	Growth (%)
Operator I			
Operator II			
Operator III			

[Data from at least top 10 ISPs to be shown]

3.8 Growth Trend of Voice Telephony Services



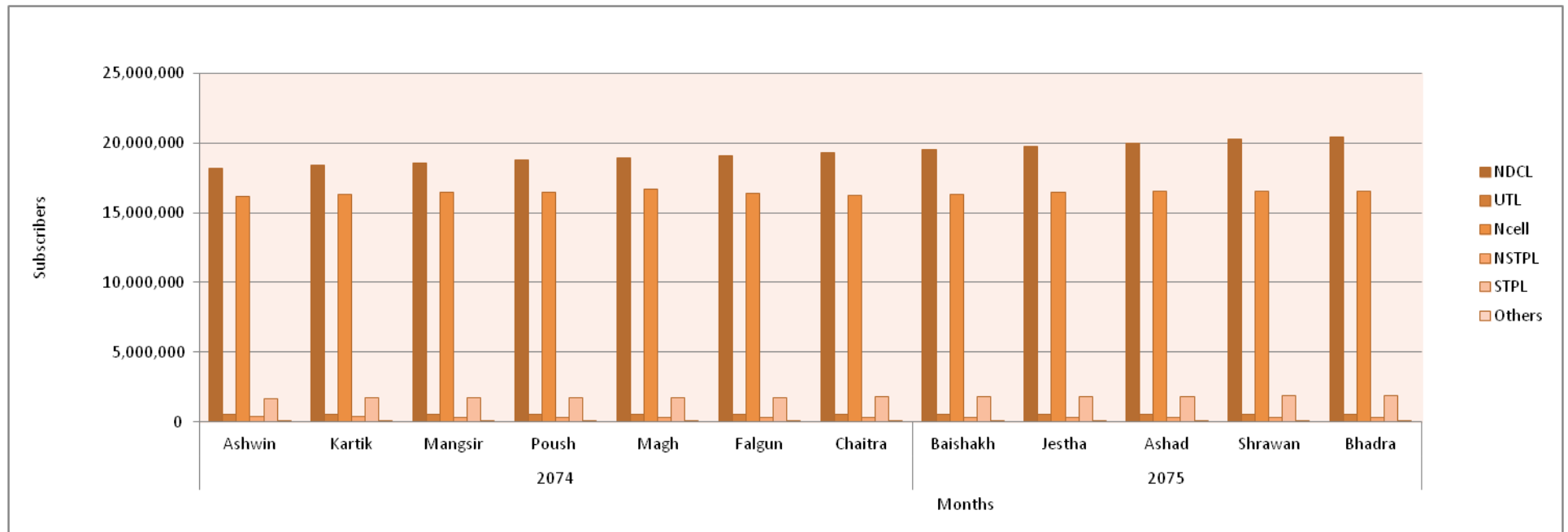
3.9 Growth Trend of Broadband Internet Services



3.10 Glimpse of Telephone Subscribers in One Year

[Sample Data]

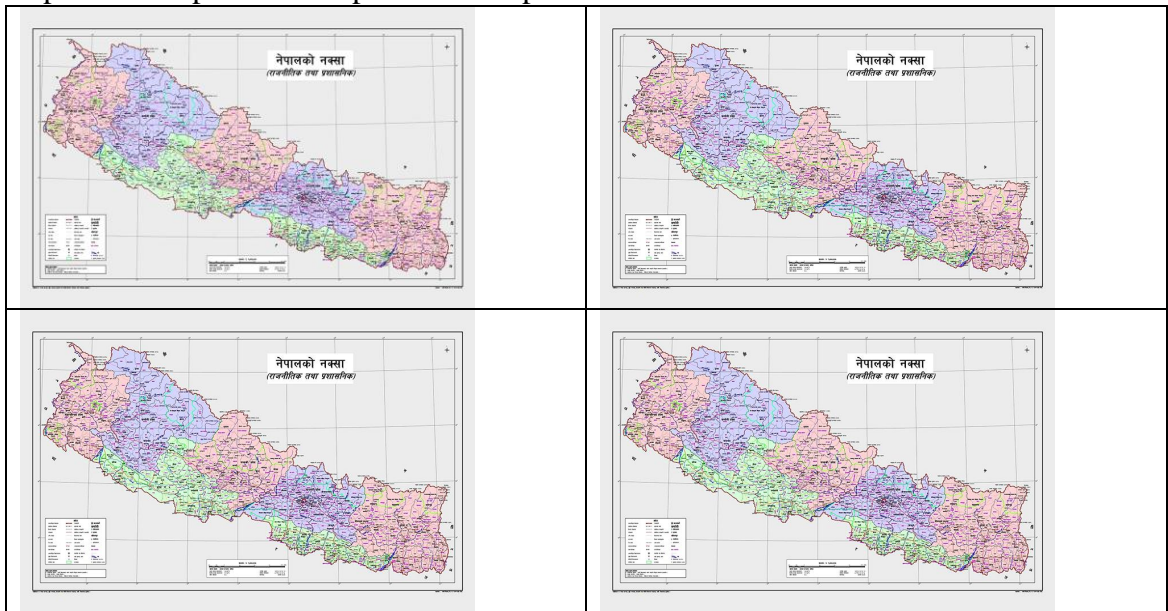
S. No.	Operators	YYYY						YYYY					
		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
1	Operator I	18,195,450	18,386,530	18,558,133	18,744,394	18,943,054	19,113,776	19,322,844	19,542,620	19,747,434	19,980,520	20,250,916	20,455,618
2	Operator II	526,869	526,870	526,873	526,873	526,873	526,873	526,873	526,874	526,874	526,874	526,874	526,874
3	Operator III	16,148,290	16,305,376	16,433,367	16,433,367	16,704,788	16,424,202	16,250,839	16,331,372	16,452,110	16,513,859	16,568,435	16,534,164
4	Operator IV	371,668	371,668	328,538	328,538	328,538	328,538	328,538	328,538	328,538	328,538	328,538	328,538



4. Coverage Map (GSM/ IMT)

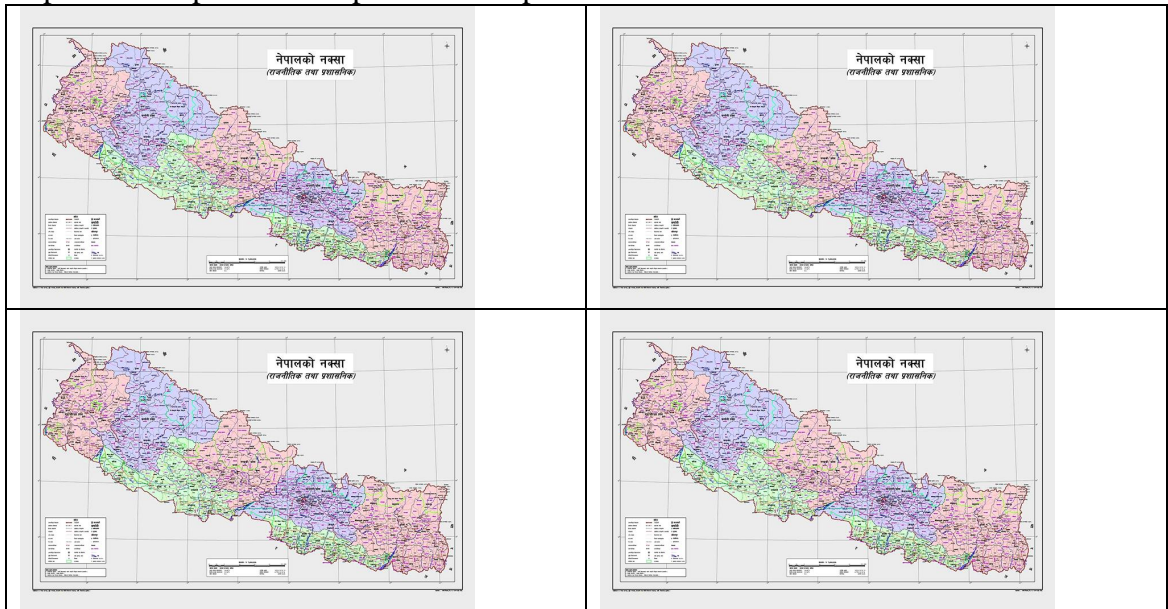
4.1 2G Coverage (Operator-wise)

Operator I/ Operator II/ Operator III/ Operator IV



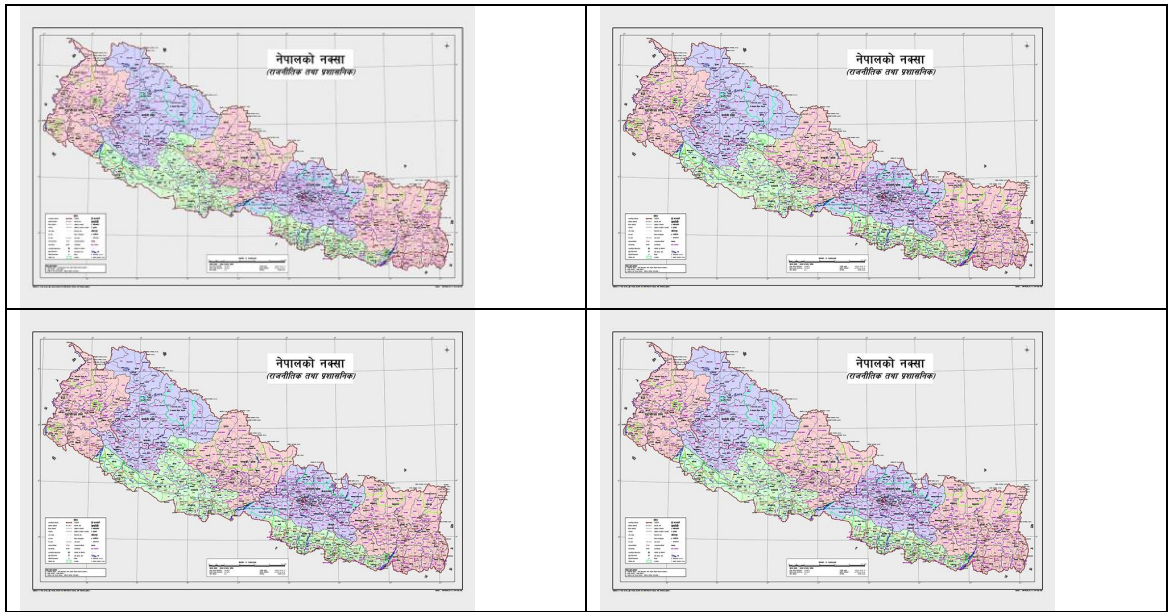
4.2 3G Coverage (Operator-wise)

Operator I/ Operator II/ Operator III/ Operator IV



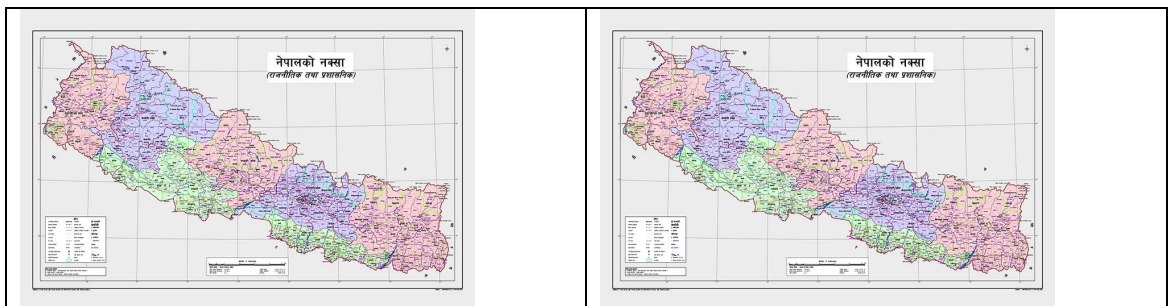
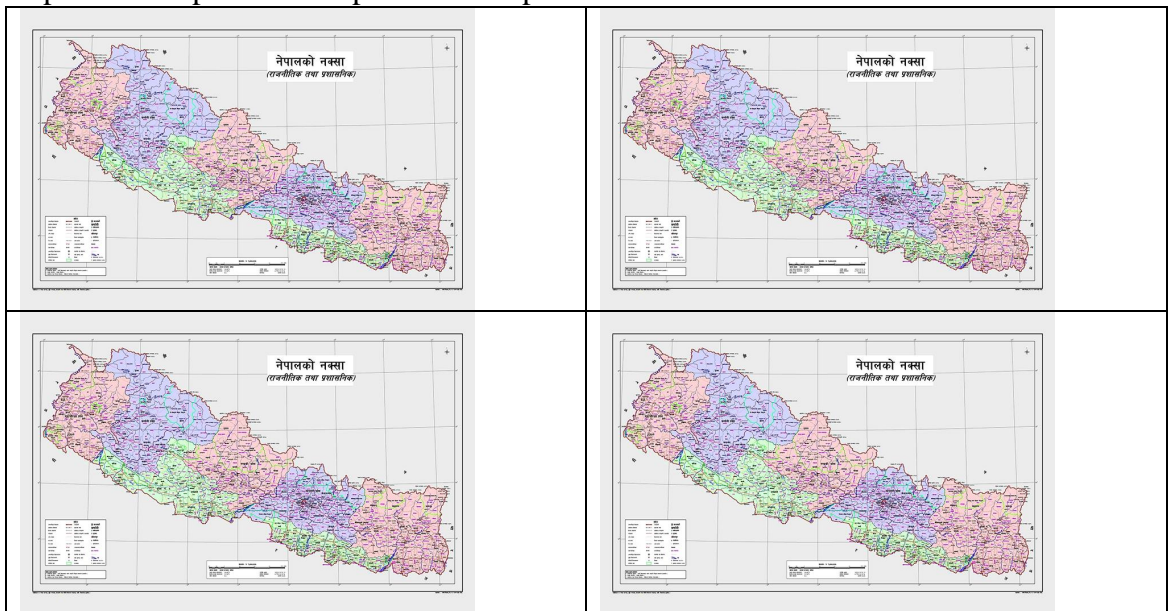
4.3 4G Coverage (Operator-wise)

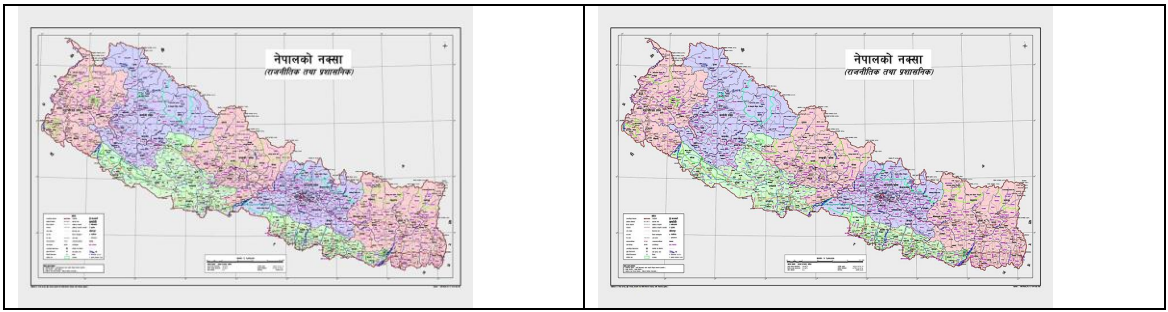
Operator I/ Operator II/ Operator III/ Operator IV



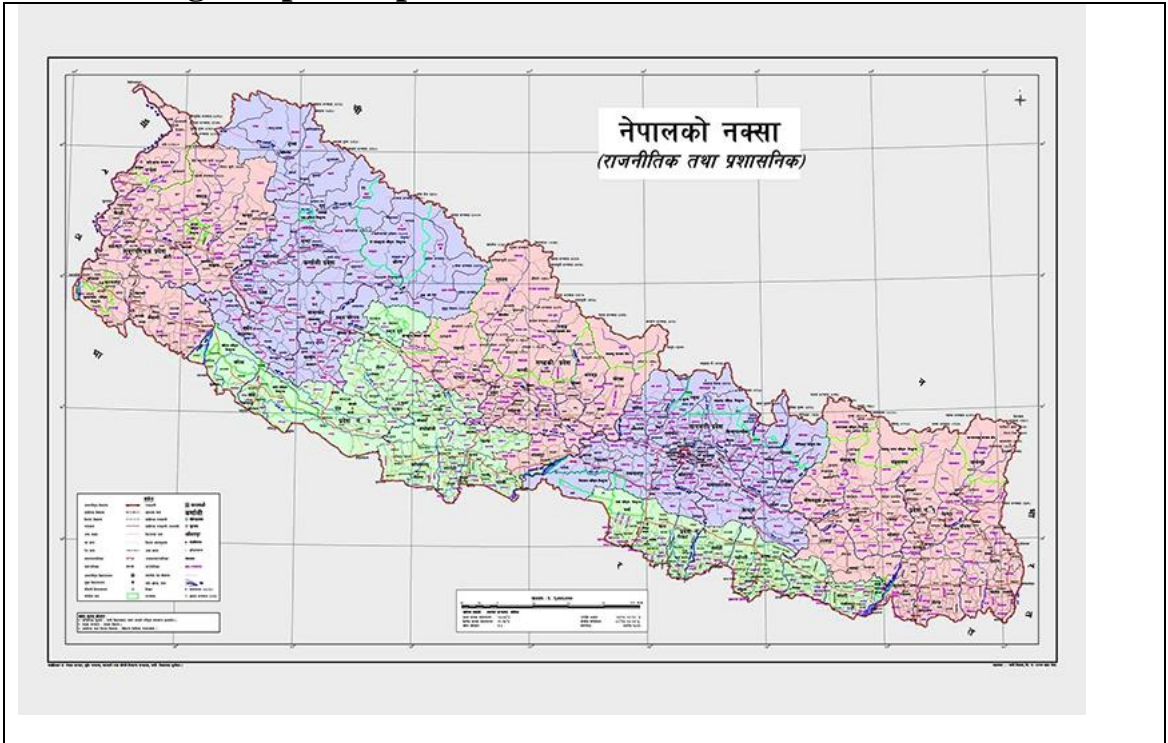
4.4 Overall Coverage (Operator-wise)

Operator I/ Operator II/ Operator III/ Operator IV





4.5 GSM/ IMT Coverage map of Nepal



5. Summary of Telecommunication Infrastructure

Particular	Operator I	Operator II	Operator III
Number of Mobile Towers (2G) *			
Number of Mobile Towers (3G) *			
Number of Mobile Towers (4G) *			
Number of Mobile Towers (All) *			
Number of Microwave Links			
Number of VSAT Terminals			
Number of PSTN Exchange			
**Length of Optical Fiber (Owned)			
**Length of Optical Fiber (Leased)			

* Same mobile tower can have multiple technologies (2G/ 3G/ 4G)

**To be submitted by ISP's as well

6. NTA Activities

6.1 Licensing

Issued as of 2077 (....., 2020)

S. No.	Name of the Services	Number of the licensee
1.	Basic Telecommunications Service	
2.	Basic Telephone Service	
3.	GSM Cellular Mobile Service	
4.	Network Service Provider	
5.	VSAT Users	
6.	Internet (With E-mail) Service	
7.	GMPCS Service	
8.	Rural Telecom Service	
9.	Limited Mobility Service	
10.	International Trunk Telephone Service	
11.	VSAT Users (Rural Area)	
12.	Internet (With Email) Service in Rural Area	

13.	Pre-Paid Calling Card Service	
	Total	

* Year wise licensing activity of NTA is shown in Appendix-1

Issuance of License during

Renewal of License during

Cancellation of License During

6.2 Type Approval

List of type approval certificates issued in the month of 2077

S. No.	Type of Device	Type of certificate	Number
1.	Short Range Device	Provisional	
		Periodic permanent	
2.	GSM Mobile Handset	Provisional	
		Periodic permanent	
3.	GSM Device	Provisional	
		Periodic permanent	
4	Tablet	Provisional	

6.3 Numbering

Number/ Short Code	Issued to	Purpose	Tariff

6.4 RTDF Project

Backbone Network Project Progress

Project Name	This Quarter	Previous Quarter

Access Network Project Progress

Project Name	This Quarter	Previous Quarter

6.5 Foreign Currency Recommendation:

(a) For Services

Name of Service Provider	Total Amount (Approx. in NPR)	Percentage

(b) For Equipment

Name of Service Provider	Total Amount (Approx. in NPR)	Percentage

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Appendix-I: NTA Licensing Activity at a glance as of

S. No.	Services	Fiscal Year																		Total no. of License	License Cancelled	Existing no. of License				
		61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78								
1	Basic Telecommunication																									
2	Basic Telephone Service																									
3	GSM Mobile																									
4	Network Service Provider																									
5	Pre-Paid Calling Card																									
6	VSAT User																									
7	Internet (with e-mail)																									
8	Radio Paging																									
9	Fax Mail																									
10	Video Conferencing																									
11	GMPCS																									
12	Rural Telecom																									
13	Limited Mobility																									
14	Int. Trunk Telephone																									
15	Rural VSAT User																									
16	Rural ISP																									
Total																										