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# **Nepal Telecommunications Authority**

## MANAGEMENT INFORMATION SYSTEM (MIS)

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## **1. NTA at a Glance**

With the unprecedented innovations in the field of telecommunication services and rapid telecommunications development in the world, it has become necessary to bring the same pace of development and expansion in this sector in Nepal also. Keeping in harmony with the currently evolving new technological developments, the emerging craze for globalization and liberalization or market economy concept, it is felt that the resources and efforts of His Majesty's government alone cannot fulfill the steadily increasing demand of the telecommunication services in a competitive environment. Even though the private sector entrepreneurs are interested in investing in the novel sectors, flow of private sector capital in productive areas could not be made effective due to unfavorable environment and lack of opportunities. Taking this scenario into account, the National Communication Policy 1992 A.D. envisaged the concept of encouraging the private sector participation for providing telecommunication services to the public and to assist to the extent possible as is deemed necessary in an easily available, simple and well planned manner for the development, expansion and operation of this sector inside the kingdom of Nepal as well as abroad.

With this concept, using liberalization policy and involving the private sector in a competitive environment for the development and expansion of telecommunication sector in Nepal, His Majesty's Government of Nepal's decision dated December 25, 1995 has initiated the involvement of the private sector in the development of the telecommunication services. Nepal Telecommunications Authority as an autonomous regulatory body has been established on March 4, 1998 as stipulated within the framework of the Telecommunication Act 1997 A.D. and Telecommunication Regulation 1998 A.D. to make this work more systematic and regular.

## **2. Telecom Network of the Country**

- 2.1.** The Nepal Telecom (NDCL), Nepal's incumbent telecommunications operator, has made significant progress in the growth and development of the national public switched telecommunications network (PSTN) in the last decade, particularly during Nepal's Fifth Phase Telecom Project (1992-97).
- 2.2.** The same tempo of growth continues in the ongoing Seventh Phase, with the number of distributed lines increasing from approximately 65,000 in 1992 to over 4,78,204 (fixed line), Post-paid Mobile Subscribers 1,02,219 and Pre-paid Mobile Subscribers 2,46,400 till 14 April, 2006 (Baisakh 1, 2063). The fully digital network offers full national and international direct dialling services.
- 2.3.** The national trunk network is equipped with 1762 MBPS, out of which 788 MBPS broadband microwave system is being used to link Kathmandu with the rest of the country.
- 2.4.** Rural service was expanded in Nepal under the Fifth Phase Telecom Project, through Japanese (JICA) and IDA (World Bank) fund. Country's 75 district centres have automatic telecommunications service, including STD and ISD. This access is usually provided by NDCL or a privately operated public call office (PCO) or a phone shop. Sixty-eight district centres have communications services to some neighbouring VDCs

by means of 2 MBPS microwave links, MARTS, single channel VHF/UHF or Very Small Aperture Terminal (VSAT) services. The following table summarises types of technology used to provide telecommunications services to the VDCs of Nepal as of 14 April, 2006 (Baisakh 1, 2063).

<b>Technology used by NDCL to serve VDCs</b>	
Digital C-DOT (wire line) exchanges	39/7,054 (Exchange/Capacity)
MARTS	328/2,659 (Marts Terminals/ Telephone Subscribers)
VHF/UHF radio	1,055 (Telephone Subscribers)
Digital microwave (JICA project)	3/69 (Rural Station/Substation)
HF radio	4
VSAT	245/578 (Terminals/Telephone lines)
VDCs served with at least one PCO	1,974
Telex Service	256/105 (Capacity/Distribution)

**2.5.** NDCL has achieved the following rural service penetration levels as of 14 April, 2006 (Baisakh 1, 2063). Percentages identified in the table refer to the percentage of VDCs with at least one PCO in the specified region.

<b>Region</b>	<b>Total VDCs</b>	<b>VDCs Served with at least one PCO</b>	<b>% of VDCs Served with at least one PCO</b>
Nepal	3,914	1,974	50.4%
Eastern Development Region	893	462	51.7%
Central Development Region	1199	602	50.2%
Western Development Region	864	498	57.6%
Mid-Western Development Region	575	218	37.9%
Far-Western Development Region	383	194	50.7%

**2.6.** United Telecom Limited (private sector basic telecommunications operator based on WLL technology) has started its own International Gateway from 19th April 2004 and is providing its service in Kathmandu Valley. Total subscriber of WLL telephone service is 45,032 as of 14 April, 2006 (Baisakh 1, 2063).

**2.7.** Spice Nepal Pvt. Ltd. (private sector mobile operator) has started its operation from 1st October, 2005. Total subscriber of SNPL is 109759 (1365 post paid & 108394 pre-paid) as of 14 April, 2006 (Baisakh 1, 2063). It has recently started its service in Pokhara and Hetauda.

**2.8.** Limited Mobility service is introduced as a new service to allow movement within the local calling area. United Telecom was granted license on Chaitra 11, 2062 (24 March, 2006) and it has already a subscriber base of 3000.

**2.9.** The total telephone penetration rate (i.e. 1 phone to 100 citizens) in Nepal is around 3.66% (2.12% in fixed line + WLL + Limited Mobility and 1.54% in mobile) (*Total Population is assumed to be 2,53,42,638. source: [www.cbs.gov.np](http://www.cbs.gov.np)*)

### **3. Rural Telecommunications Service Policy**

- 3.1.** NDCL is providing Rural Telecommunications Service in the entire country, except 534 Village Development Committees of Eastern Development Region (EDR), where NTA has licensed STM Telecom Sanchar Pvt. Ltd. to provide at least two telephone lines in each Village Development Committee. NDCL is providing telecommunications services to 462 villages in EDR.
- 3.2.** Being a VSAT based Rural Telecom Operator in Eastern Development Region, STM Telecom Sanchar Pvt. Ltd. has installed the hub stations at Kathmandu and Biratnagar and has installed a total of 1093 PCOs in 411 VDCs fulfilling its committed 4th milestone and has been duly certified Independent Technical Consultant (ITC). As a result of this achievement number of VDCs covered has reached the figure of 2387 out of 3914.

### **4. NTA Activities during the past three months**

- 4.1.** New category of License namely "*Limited Mobility Service based on wireless telecommunication to be operated in specified area*" was introduced to foster telecom development.
- 4.2.** Eleven VSAT User, two Internet Service Provider (ISP) and one Limited Mobility Service licenses were issued.
- 4.3.** Two NTA staffs took part in "Workshop in ICT indicators for benchmarking performance in network and services development" from March 1-3, 2006 and "Workshop on Regulatory capacity building" 20-23 February, 2006.
- 4.4.** Study visit to Telecom Regulatory Authority of India (TRAI) by two NTA staffs from February 27-March 01.

### **5. Relevant Acts and Regulations**

1. Telecommunications Act, 1997 A.D. (2053 B.S.)
2. Radio Act, 1958 A.D. (2014 B.S.)
3. Telecommunications Regulations, 1998 A.D. (2054 B.S.)
4. Radio License Regulation, 1992 A.D. (2049 B.S.)
5. Telecommunications Policy, 2004 A.D. (2060 B.S.)
6. Cyber Law, 2004 A.D. (2061 B.S.)

### **6. NTA Board of Directors**

<b>Name</b>	<b>Designation</b>
Mr. Suresh Kumar Pudasaini	Chairman
Mr. Mani Ram Ojha	Board Member
Mr. Abinash Panta	Board Member
Dr. Krishna Bahadur Khatry	Board Member
Mr. Nabin Raj Lamichhane	Board Member

**7. No. of Licenses issued for different types of Telecommunications Services**

*up to 14 April, 2006 (Baisakh 1, 2063)*

S. No.	Services	No.
(a)	Basic Telephone	2
(b)	Cellular Mobile Telephone	2
(c)	Internet (with e-mail)	38
(e)	Radio Paging	8
(f)	VSAT Network Providers	10
(g)	VSAT Service Users	101
(h)	Fax Mail	6
(i)	Video Conferencing	1
(j)	GMPCS	2
(k)	Rural Telecom Service	1
(l)	Local Data Network	1
(m)	Limited Mobility Service	1
	<b>Total</b>	<b>173</b>

**8. Glimpse of Licensing Activities up to 16 July, 2006 (Asadh 32, 2063)**

S. No.	Services	Fiscal Year										Existing
		055 /56	056 /57	057/ 58	058/ 59	059 /60	060 /61	061/ 62	062/ 63	Total	License Cancelled	
1.	Basic Telephone	-	-	1		1	-	-	-	2	-	2
2.	Cellular Mobile	1	-	-	-	-	-	1	-	2	-	2
3.	Internet (with e-mail)	9	4	2	3	2	6	6	7	39	7	32
4.	Radio Paging	1	5	2	-	-	-	-	-	8	8	0
5.	VSAT Network Providers	2	4	1	3	-	-	-	-	10	3	7
6.	VSAT Service Users	1	15	8	11	15	20	6	41	117	8	109
7.	Fax Mail	3	1	2	-	-	-	-	-	6	6	0
8.	Video Conferencing	-	1	-	-	-	-	-	-	1	-	1
9.	GMPCS	-	-	-	-	2	-	-	-	2	-	2
10.	Rural Telecom Services	-	-	-	-	-	1	-	-	1	-	1
11.	Local Data Network	-	-	-	-	-	1	-	-	1	-	1
12.	Limited Mobility Service	-	-	-	-	-	-	-	2	2	-	2
	<b>Total</b>	<b>17</b>	<b>30</b>	<b>16</b>	<b>17</b>	<b>20</b>	<b>28</b>	<b>13</b>	<b>29</b>	<b>191</b>	<b>32</b>	<b>159</b>

9. Subscribers of different Services as of 16 July, 2006 (Baisakh 1, 2063)

Service	Subscribers
Fixed line telephone	4,78,204
Post-paid mobile (NDCL + SNPL)	1,02,219 + 1365 = 1,03,584
Pre-paid mobile (NDCL + SNPL)	2,46,400 + 108394 = 2,86,355
Internet (with e -mail)	50,000
Wireless in Local Loop (NDCL + UTL)	51,000 + 4560 = 55,560
GMPCS	858
Internet users (50,000x5)	2,50,000 (Assuming 5 users per subscriber)
Limited Mobility Service	3,000

10. Addresses and Contact nos. of Service Provider

S. No.	Company Name	Address	Phone No.	Fax.No.	E-mail	URL
6.	Infocom Pvt. Ltd.	Hattisar, Kathmandu	4436458	4435826	<a href="mailto:info@info.com.np">info@info.com.np</a>	<a href="http://www.info.com.np">www.info.com.np</a>
7.	Nepal DoorSanchar Company Limited	Pulchowk, Lalitpur	4436459	4435826	<a href="mailto:bimlesh.jha@ntc.net.np">bimlesh.jha@ntc.net.np</a>	<a href="http://www.ntc.net.np">www.ntc.net.np</a>
1.	Nepal Doorsanchar Company Limited	Bhadrakali Plaza, Kathmandu	4210202	4221202	<a href="mailto:ntc.ogm@ntc.net.np">ntc.ogm@ntc.net.np</a>	<a href="http://www.ntc.net.np">www.ntc.net.np</a>
8.	Cyber Pvt. Limited	Kathmandu	4269805	4260693	<a href="mailto:info@imax.com.np">info@imax.com.np</a>	<a href="http://www.imax.com.np">www.imax.com.np</a>
2.	United Telecom Limited	New Road Complex, Kathmandu	2001880	2499999	<a href="mailto:utlnepal@wlink.com.np">utlnepal@wlink.com.np</a>	<a href="http://www.utlnepal.com.np">www.utlnepal.com.np</a>
9.	Square Network Pvt. Ltd.	Kathmandu	5542317	5549388	<a href="mailto:info@snet.com.np">info@snet.com.np</a>	<a href="http://www.snet.com.np">www.snet.com.np</a>
1.	Nepal Doorsanchar Company Limited	Pulchowk, Lalitpur	5536791	5515291	<a href="mailto:ntc.ogm@ntc.net.np">ntc.ogm@ntc.net.np</a>	<a href="http://www.ntc.net.np">www.ntc.net.np</a>
10.	Sailung Pvt. Ltd.	Bhanuchowk, Kathmandu	526528	526528	<a href="mailto:amrit@sailung.com">amrit@sailung.com</a>	<a href="http://www.sailung.com">www.sailung.com</a>
2.	Spice Nepal Pvt. Ltd.	Mobile	5554544	5554538	<a href="mailto:snpl@spicenepal.com">snpl@spicenepal.com</a>	<a href="http://www.spicenepal.com">www.spicenepal.com</a>
11.	Fewa Net Pvt. Ltd.	Mahendra Pool, Pokhara, Kaski	5350907		<a href="mailto:fewanet@fewanet.com.np">fewanet@fewanet.com.np</a>	<a href="http://www.fewanet.com.np">www.fewanet.com.np</a>
12.	Cyber Space Pvt. Ltd.	Adarshnagar, Binayuni	5524075		<a href="mailto:atc@atcnet.com.np">atc@atcnet.com.np</a>	
13.	Netlink Communications Pvt. Ltd.	P.O.box- 7940 Bagwatimarg, Thaxal, Kathmandu	4440304	4492703	<a href="mailto:info@netlink.com.np">info@netlink.com.np</a>	<a href="http://www.netlink.com.np">www.netlink.com.np</a>
1.	STM Telecom Sanchar Pvt. Ltd.	Thaxal, Kathmandu	4445981	4419366	<a href="mailto:spradhan@stmnetwork.com">spradhan@stmnetwork.com</a>	<a href="http://www.stmtelecom.org">www.stmtelecom.org</a>
14.	Global Net Pvt. Ltd.	Bharatpur, Kathmandu	4406382	526528	<a href="mailto:support@bharatpur.com.np">support@bharatpur.com.np</a>	
1.	United Telecom Limited	Iriveni Complex, Kathmandu	2009960	2499999	<a href="mailto:utlnepal@wlink.com.np">utlnepal@wlink.com.np</a>	<a href="http://www.utlnepal.com.np">www.utlnepal.com.np</a>
16.	Subisu Cablenet Pvt. Ltd.	Kathmandu	44296164	4430572	<a href="mailto:scn@subisu.com">scn@subisu.com</a>	<a href="http://www.subisu.net.np">www.subisu.net.np</a>
1.	Mercantile SpaceTime Internet Pvt. Ltd.	Durbar Marg, Minbhawan, Kathmandu	4220773	4256761	<a href="mailto:amatya@mos.com.np">amatya@mos.com.np</a>	<a href="http://www.mos.com.np">www.mos.com.np</a>
2.	Worldlink Mero ISP Pvt. Ltd.	Jawalakhel, Kathmandu	4487750	4494022	<a href="mailto:space@col.com.np">space@col.com.np</a>	
18.	Worldlink Mero ISP Pvt. Ltd.	Jawalakhel, Kathmandu	4487751	4494022	<a href="mailto:info@wlink.com.np">info@wlink.com.np</a>	<a href="http://www.wlink.com.np">www.wlink.com.np</a>
19.	Pokhara 1.net Pvt. Ltd.	Gairanatan, Pokhara, BO Box-86, Lalitpur	5521703	5539431	<a href="mailto:2fm@fewamail.com.np">2fm@fewamail.com.np</a>	<a href="http://www.enet.com.np">www.enet.com.np</a>
20.	Global Nepal Information Technology Pvt. Ltd.	Kalkasthan, Ward No-3, Bihar, Kathmandu, Nepal	5546010	5539431	<a href="mailto:info@enet.com.np">info@enet.com.np</a>	
40.	Global Nepal Information Technology Pvt. Ltd.	Kalkasthan, Ward No-3, Bihar, Kathmandu, Nepal	5546010	5539431	<a href="mailto:info@gispl.com.np">info@gispl.com.np</a>	<a href="http://www.gispl.com.np">www.gispl.com.np</a>
41.	Computer Click Online Service Pvt. Ltd.	Butal Marg, Kathmandu	4439724	4224524	<a href="mailto:info@ccsl.com.np">info@ccsl.com.np</a>	<a href="http://www.ccsl.com.np">www.ccsl.com.np</a>

22.	Personal Broadband Nepal Pvt. Ltd.		4479213			<a href="http://www.pbn.com.np">www.pbn.com.np</a>
23.	IP Communications Pvt. Ltd.	Putalisadak, Kathmandu	4247535	6613666	<a href="mailto:lovely@mail.com.np">lovely@mail.com.np</a>	
24.	Netplus Technology Pvt. Ltd.	Sanepa, Lalitpur	4784800 4784660			
25.	Heath Net Nepal	Maharajgunj Kathmandu				
26.	Global Plus Networks Pvt. Ltd.	Durbarmarg, Kathmandu				
27.	Buddha Net Pvt. Ltd.	Baidam, Pokhara				
28.	Stupa Net Pvt. Ltd.					
29.	Namche Networks Pvt. Ltd.	Manbhawan, Lalitpur				
30.	Spice Nepal Pvt. Ltd.	Mero Mobile Building Ekantakuna, Jawalakhel-4, Lalitpur	5554544 5554547 5524250	5554538	<a href="mailto:snpl@spicenepal.com">snpl@spicenepal.com</a>	<a href="http://www.spicenepal.com">www.spicenepal.com</a>
31.	Broadlink Network and Communication Pvt. Ltd.	Baneshwore, Kathmandu	4785073 2003934			

### VSAT Network Service Provider

1.	Mercantile Communications Pvt. Ltd.	Durbar Marg, Kathmandu	4240920	4225407	<a href="mailto:amatya@mos.com.np">amatya@mos.com.np</a>	<a href="http://www.mos.com.np">www.mos.com.np</a>
2.	Worldlink Communications Pvt. Ltd.	Jawalakhel, Lalitpur	5523050	5529403	<a href="mailto:info@wlink.com.np">info@wlink.com.np</a>	<a href="http://www.wlink.com.np">www.wlink.com.np</a>
3.	Communications and Communicate Nepal Pvt. Ltd.	Siddhi Bhawan, Kathmandu	4269348	4243726	<a href="mailto:info@ccnep.com.np">info@ccnep.com.np</a>	<a href="http://www.ccnep.com.np">www.ccnep.com.np</a>
4.	I MAX Pvt. Ltd.	Ranjana Galli, New Road, Kathmandu	4269805	4260693	<a href="mailto:info@imax.com.np">info@imax.com.np</a>	<a href="http://www.imax.com.np">www.imax.com.np</a>
5.	Infocom Pvt. Ltd.	Hattisar, Kathmandu	4436458 4436459	4435826	<a href="mailto:info@info.com.np">info@info.com.np</a>	<a href="http://www.info.com.np">www.info.com.np</a>
6.	Websurfer Nepal Communications Pvt. Ltd.	Naxal, Kathmandu		4492703		<a href="http://www.websurfer.com.np">www.websurfer.com.np</a>
7.	Square Network Pvt. Ltd.	Sanepa Lalitpur	5542317	5549388	<a href="mailto:info@snet.com.np">info@snet.com.np</a>	<a href="http://www.snet.com.np">www.snet.com.np</a>
8.	Unlimited Numedia Pvt. Ltd.	Khichapokhari, Kathmandu	4249668 4249151	4249151 4222424	<a href="mailto:allen@unlimit.com">allen@unlimit.com</a>	<a href="http://www.unlimit.com.np">www.unlimit.com.np</a>

### GMPCS Service Provider

1.	Constellation Pvt. Ltd.	Pulchowk, Lalitpur	5548836	5588879	<a href="mailto:ceo@constellation.com.np">ceo@constellation.com.np</a>	
2.	AVCO International Pvt. Ltd.	Nagpokhari, Kathmandu	4410394 4428679	4422252	<a href="mailto:avco@wlink.com.np">avco@wlink.com.np</a>	

### Video Conferencing Service

1.	World Bank, Country Office Nepal	Yak and Yeti Building, Durbar Marg				
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### Local Data Network Service

1.	Shivahari Pokharel (Representative SITA)	RNAC Building	4229252	4228314		
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## 11. Useful Information

### License Fee and Renewal Fee for different Value Added Services for a period of 5 years

S. No.	Services	License Fee Rs.	Renewal Fee Rs.
1.	Internet (with e-mail)	300,000.00	270,000.00
2.	E-mail Only	200,000.00	180,000.00
3.	Audio Text/Voice Mail	200,000.00	180,000.00
4.	Video Text	200,000.00	180,000.00
5.	Fax Mail	200,000.00	180,000.00
6.	<b><u>VSAT</u></b>		
	a) VSAT Network Providers	2,500,000.00	2,250,000.00
	b) VSAT Service Users	250,000.00	225,000.00
7.	Audio Conferencing	50,000.00	45,000.00
8.	Pay Phone	3,000,000.00	2,700,000.00
9.	Prepaid Calling Card	3,000,000.00	2,700,000.00
10.	Local Data Network (Business Use)	2,500,000.00	2,250,000.00
11.	<b><u>Radio Paging Services</u></b>		
	a) Country Wide	12,50,000.00	11,25,000.00
	b) Eastern and Central Development Region (without Kathmandu Valley)	5,00,000.00	4,50,000.00
	c) Kathmandu Valley	5,00,000.00	4,50,000.00
	d) Western Development Region	3,00,000.00	2,70,000.00
	e) Mid-western Development Region and Far-western Development Region	2,00,000.00	1,80,000.00
	f) Selected VDCs Only	75,000.00	67,600.00
12.	<b><u>Trunk Mobile Radio</u></b>		
	a) Kathmandu Valley	500,000.00	450,000.00
	b) Pokhara, Biratnagar, Birgunj, Bhairahawa, Bharatpur or Nepalgunj Municipality	250,000.00	225,000.00
	c) Rest of the Places	125,000.00	112,500.00
13.	Video Conferencing	150,000.00	135,000.00
14.	GMPCS	1,500,000.00	1,400,000.00
15.	Limited Mobility Service based on wireless telecommunication to be operated in specified area		
	a) For Area under Kathmandu, Lalitpur, and Bhaktapur area code	60,00,000	54,00,000
	b) For each district (inside own area code) of Morang, Sunsari, Dhanusha, Chitwan, Parsa, Rupandehi, Banke, Kaski, and Kailali	3,00,000	2,70,000
	c) Other district (inside own area code) except those in a) and b)	2,50,000	2,25,000

## 12. Telephone Nos. of NTA

S. No.	Section	Phone No.	Extension No.
1.	Chairman	4446010	225
2.	Manager	**	235
3.	PA Room	**	223
4.	Advisor (I)	4446008	244
5.	Administration & Account	**	213/214/218/223
6.	Consumer	4446007	233/232/236
7.	License and Rural Telecom	**	220/221
8.	Legal	**	234/238
9.	Engineering (I)	4446005	242
10.	Engineering (II)	4435223	240/241
11.	Engineering (III)	**	243/245
12.	Library	**	209
13.	Registration	**	212

14.	Operator	**	9/211
15.	Security Guard	**	201
16.	Operators No.	+977-1-4446001 4446002 4446003 4446004 2083201 2083202	
	Fax No.	+977-1-4446006	

**13. MIS Committee**

1. Mr. Arjun Ghimire
2. Mr. Udaya Raj Regmi
3. Ms. Pratima Ghimire