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Nepal Telecommunications Authority

MANAGEMENT INFORMATION SYSTEM (MIS)

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Table of Contents

| S. No. | Particulars | Page No. |
|---------------|--|-----------------|
| 1 | NTA at a Glance | 3 |
| 2 | Telecom Network of the Country | 3 |
| 3 | Rural Telecommunications Service Policy | 5 |
| 4 | NTA activities during the past three months | 5 |
| 5 | Relevant Acts and Regulations | 6 |
| 6 | NTA Board of Directors | 6 |
| 7 | No. of Licenses issued in the different types of Telecommunications Services | 6 |
| 8 | Glimpse of Licensing Activities | 7 |
| 9 | Subscribers of different services | 7 |
| 10 | Addresses and Contact nos. of Service Providers | 8 |
| 11 | Useful Information | 10 |
| 12 | Telephone Nos. of NTA | 12 |
| 13 | MIS Committee | 12 |

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 4,70,212 (fixed line), Post-paid Mobile Subscribers 99,140 and Pre-paid Mobile Subscribers 2,00,000 till 14 January, 2006. The network is fully digital and 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 January, 2006.

| Technology used by NDCL to serve VDCs | |
|--|--|
| Digital C-DOT (wire line) exchanges | 42/7,906 (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 | 201/482 (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 January, 2006. Percentages identified in the table refer to the percentage of VDCs with at least one PCO in the specified region.

| Region | Total VDCs | VDCs Served with at least one PCO | % of VDCs Served with at least one PCO |
|--------------------------------|-------------------|--|---|
| 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 January, 2006.

2.7 Spice Nepal Pvt. Ltd. (private sector mobile operator) has started its operation from 1st October, 2005. Total subscriber of SNPL is 89,844 (489 post paid & 89,355 pre-paid) as of 14 January, 2006.

2.8 The total telephone penetration rate (i.e. 1 phone to 100 citizens) in Nepal is around 3.55% (2.03% in fixed line and 1.52% in mobile) (*Total Population is assumed to be 2,53,42,638. source: 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 541 VSAT terminals in 271 VDCs of Eastern Development Region till 14 January, 2006. At present, only 353 PCO are in operation.

4. NTA Activities during the past three months

- i. An interaction program on "Telecommunications Services" was held in Pokhara on Poush 16, 2062 B.S.
- ii. Licences were issued to two VSAT users and two ISPs.
- iii. Under ITU technical assistance program Dr S.K. Hajela, a senior advisor of Telecom Regulatory Authority of India has pursued his assignment here in NTA by conducting in-house training and group discussions on Telecom related regulatory matters.
 - First time: July 17 to July 23, 2005
 - Second time: December 04 to December 10, 2005
- iv. Six NTA staff members took part in a different programs mentioned as below:
 - Workshop on IP telephony and NGN, 10th APT standardisation program forum held on Australia from 25-28 October, 2005. (2 members)
 - USTTI training held in USA from October 26 – November 20.
 - Regulation of Telecommunications, Broadcasting and On-Line Content held in Australia from 14-23 November, 2005.
 - "HRD/HRM Global Symposium on developing ICT resources for strategic advantage" held in Bahrain from 20-25 November, 2005
 - ITU/BDT workshop on "Marketing and Revenue Forecasting" held in Bangkok from 13-16 December, 2005.
- v. Chairman, NTA took part in different programs mentioned as below:
 - South Asian Telecom Regulators Council (SATRC) meeting held on Male from 13-15 December, 2005.
 - Executive level training for Regulators held in Tunisia from 12-13 November, 2005.
 - Meeting of Global Symposium for Regulators (GSR) held in Tunisia from 14-15 November, 2005.
 - World Summit on Information Society (WSIS) held in Tunisia from 16-18 November, 2005.

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**

| Name | Designation |
|----------------------------|--------------------|
| Mr. Suresh Kumar Pudasaini | Chairman |
| Mr. Mani Ram Ojha | Board Member |
| Mr. Abinash Panta | Board Member |
| Dr. Krishna Bahadur Khatri | Board Member |
| Mr. Nabin Raj Lamichhane | Board Member |

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

(up to 14 January, 2006)

| S. No. | Services | No. |
|---------------|---------------------------|------------|
| (a) | Basic Telephone | 2 |
| (b) | Cellular Mobile Telephone | 2 |
| (c) | Internet (with e-mail) | 36 |
| (e) | Radio Paging | 8 |
| (f) | VSAT Network Providers | 10 |
| (g) | VSAT Service Users | 90 |
| (h) | Fax Mail | 6 |
| (i) | Video Conferencing | 1 |
| (j) | GMPCS | 2 |
| (k) | Rural Telecom Services | 1 |
| (l) | Local Data Network | 1 |
| | Total | 159 |

8. Glimpse of Licensing Activities (up to 14 January, 2006)

| S. No. | Services | Fiscal Year | | | | | | | | Existing | |
|--------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| | | 055/56 | 056/57 | 057/58 | 058/59 | 059/60 | 060/61 | 061/62 | 062/63 | | Total |
| 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 | 4 | 36 | 29 |
| 4. | Radio Paging | 1 | 5 | 2 | | | | | | 8 | 0 |
| 5. | VSAT Network Providers | 2 | 4 | 1 | 3 | | | | | 10 | 8 |
| 6. | VSAT Service Users | 1 | 15 | 8 | 11 | 15 | 20 | 9 | 11 | 90 | 82 |
| 7. | Fax Mail | 3 | 1 | 2 | | | | | | 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 |
| Total | | 17 | 30 | 16 | 17 | 20 | 28 | 16 | 11 | 159 | 128 |

9. Subscribers of different Services (as of 14 January, 2006)

| Service | Subscribers |
|--------------------------------|--|
| Fixed line telephone | 4,70,212 |
| Post-paid mobile (NDCL + SNPL) | 99,140 + 489 = 99,641 |
| Pre-paid mobile (NDCL + SNPL) | 2,00,000 + 86,355 = 2,86,355 |
| Internet (with e -mail) | 48,000 |
| Wireless in Local Loop | 45,032 |
| GMPCS | 858 |
| Internet users (48,000x5) | 2,40,000 (Assuming 5 users per subscriber) |

10. Addresses and Contact nos. of Service Providers

| S. No. | Name | Address | Tel.No. (+977-1-) | Fax.No. (+977-1-) | E-mail | URL |
|-----------------------------------|--|---|-------------------------------|----------------------|--|--|
| Basic Telecom Operators | | | | | | |
| 1. | Nepal Doorsanchar Company Limited | Bhadrakali Plaza, Kathmandu | 4210202 | 4221202 | ntc.ogm@ntc.net.np | www.ntc.net.np |
| 2. | United Telecom Limited | Triveni Complex, Putalisadak, Kathmandu | 2001880 | 2499999 | utlnepal@wlink.com.np | www.utlnepal.com.np |
| Cellular Mobile Operator | | | | | | |
| 1. | Nepal Doorsanchar Company Limited, | Pulchowk, Lalitpur | 5536791 | 5515291 | ntc.ogm@ntc.net.np | www.ntc.net.np |
| 2. | Spice Nepal Pvt. Ltd. | Mero Mobile Building Ekantakuna, Jawalakhel-4, Lalitpur | 5554544 5554547 5524250 | 5554538 | snpl@spicenepal.com | www.spicenepal.com |
| Rural Telecom Operators | | | | | | |
| 1. | STM Telecom Sanchar Pvt. Ltd. | Thirbam Sadak 5, Baluwatar, Kathmandu | 4445981 4446382 | 4419366 | spradhan@stmnetworks.com | www.stmtelecom.org.np |
| Internet Service Providers | | | | | | |
| 1. | Mercantile Communications Pvt. Ltd | Durbar Marg, Kathmandu | 4220773 | 4256761 | amatva@mos.com.np | www.mos.com.np |
| 2. | Worldlink Communications Pvt. Ltd | Jawalakhel, Lalitpur | 5523050 | 5529403 | info@wlink.com.np | www.wlink.com.np |
| 3. | Everest Net Pvt. Ltd. | Ekantakuna, Jawalakhel, Lalitpur | 5546010 5539430 | 5539431 | info@enet.com.np | www.enet.com.np |
| 4. | Global Internet Services Pvt. Ltd. | Ward No-3, Bihar Area, Lalitpur | 5539990 | 5543647 | info@gispl.com.np | www.gispl.com.np |
| 5. | Himalayan Online Service Pvt. Ltd. | Durbar Marg, Kathmandu | 4244952 | 4224524 | info@hons.com.np | www.hons.com.np |
| 6. | Infocom Pvt. Ltd. | Hattisar, Kathmandu | 4436458 4436459 | 4435826 | info@info.com.np | www.info.com.np |
| 7. | Nepal Gateway Communications Pvt. Ltd., | Hattisar, Kathmandu | 4434961 | 4434659 | highmtn@wlink.com.np | |
| 8. | Nepal DoorSanchar Company Limited (NDCL) | Pulchowk, Lalitpur | 5544132 | 5545878 | bimlesh.jha@ntc.net.np | www.ntc.net.np |
| 9. | I MAX Pvt. Ltd. | Ranjana Galli, New Road, Kathmandu | 4269805 | 4260693 | info@imax.com.np | www.imax.com.np |
| 10. | Square Network Pvt. Ltd. | GPO-8975, EPC-1389 Sanepa-2, Lalitpur | 5542317 | 5549388 | info@snet.com.np | www.snet.com.np |
| 11. | Sailung Dot Com Pvt. Ltd. | Bhanuchowk, Dharan | 526528 | 526528 | amrit@sailung.com | www.sailung.com |
| 12. | Fewa Net Pvt. Ltd. | Mahendra Pool, Pokhara, Kaski | 536090 | | fewanet@fewanet.com.np | www.fewanet.com.np |
| 13. | Cyber Space Pvt. Ltd. | Adarshanagar, | 5524075 | | atc@atcnet.com.np | |

| | | Birgunj | | | | |
|---------------------------------------|--|--|-------------------------------|--------------------|--|--|
| 14. | Netlink Communications Pvt. Ltd | P.O.box- 7940 Bagwatimarg , Naxal, kathmandu | 4440304 | 4492703 | info@netlink.com.np | www.netlink.com.np |
| 15. | Global Net Pvt. Ltd. | Bharatpur, Chitwan | 520656 | 526528 | support@bharatpur.com.np | |
| 16. | Himal Technologies Pvt. Ltd. | 5409,Jayabageswori Kathmandu | 4480698 4759964 | 4759964 | ibadal@himaltech.com.np | www.himaltech.com.np |
| 17. | Subisu Cablenet Pvt. Ltd. | Baluwatar, Kathmandu | 44296164 429617 | 4430572 4240165 | scn@subisu.com | www.subisu.net.np |
| 18. | Spacetime Internet Pvt. Ltd | Minbhawan, Kathmandu | 4487750 4487751 4487752 | 4494022 | space@col.com.np | |
| 19. | Mero ISP Pvt. Ltd | Kantipur, Kathmandu | 4232777 | 4232777 | | |
| 20. | Pokhara I-net Pvt. Ltd. | Gairapatan, Pokhara, PO Box-86 | 5521703 5535377 | 5532891 | 2fm@fewamail.com.np | |
| 21. | Japan Nepal Information Technology Pvt. Ltd. | Kalikasthan, Kathmandu, Nepal | 4770772 | | | |
| 22. | Computer Click Online Pvt. Ltd. | Putalisadak, Kathmandu | 4439724 4439725 | | info@ccsl.com.np | www.ccsl.com.np |
| 23. | Personal Broadband Nepal Pvt. Ltd. | | 4479213 | | | www.pbn.com.np |
| 24. | IP Communications Pvt. Ltd. | Putalisadak, Kathmandu | 4247535 | 6613666 | lovely@mail.com.np | |
| 25. | Netplus Technology Pvt. Ltd. | Sanepa, Lalitpur | 4784800 4784660 | | | |
| 26. | Heath Net Nepal | Maharajgunj Kathmandu | | | | |
| 27. | Global Plus Networks Pvt. Ltd. | Durbarmarg, Kathmandu | | | | |
| 28. | Buddha Net Pvt. Ltd. | Baidam, Pokhara | | | | |
| 29. | Stupa Net Pvt. Ltd. | | | | | |
| 30. | Namche Networks Pvt. Ltd. | Manbhawan, Lalitpur | | | | |
| VSA T Network Service Provider | | | | | | |
| 1. | Mercantile Communications Pvt. Ltd. | Durbar Marg, Kathmandu | 4240920 | 4225407 | amatva@mos.com.np | www.mos.com.np |
| 2. | Worldlink Communications Pvt. Ltd. | Jawalakhel, Lalitpur | 5523050 | 5529403 | info@wlink.com.np | www.wlink.com.np |
| 3. | Communications and Communicate Nepal Pvt. Ltd. | Siddhi Bhawan, Kathmandu | 4269348 | 4243726 | info@ccnep.com.np | www.ccnep.com.np |
| 4. | I MAX Pvt. Ltd. | Ranjana Galli, New Road, Kathmandu | 4269805 | 4260693 | info@imax.com.np | www.imax.com.np |
| 5. | Infocom Pvt. Ltd. | Hattisar, Kathmandu | 4436458 4436459 | 4435826 | info@info.com.np | www.info.com.np |
| 6. | Websurfer Nepal Communications Pvt. Ltd. | Naxal, Kathmandu | | 4492703 | | www.websurfer.com.np |
| 7. | Square Network Pvt. Ltd. | Sanepa Lalitpur | 5542317 | 5549388 | info@snet.com.np | www.snet.com.np |
| 8. | Unlimited Numedia Pvt. | Khichapokhari, | 4249668 | 4249151 | allen@unlimit.com | www.unlimit.com.np |

| | | | | | | |
|-----------------------------------|--|------------------------------------|--------------------|----------------|--|--|
| | Ltd. | Kathmandu | 4249151 | 4222424 | | |
| GMPCS Service Provider | | | | | | |
| 1. | Constellation Pvt. Ltd. | Pulchowk, Lalitpur | 5548836 | 5588879 | ceo@constellation.com.np | |
| 2. | AVCO International Pvt. Ltd. | Nagpokhari, Kathmandu | 4410394 4428679 | 4422252 | avco@wlink.com.np | |
| Video Conferencing Service | | | | | | |
| 1. | World Bank, Country Office Nepal | Yak and Yeti Building, Durbar Marg | | | | |
| Local Data Network Service | | | | | | |
| 1. | Shivahari Pokharel (Representative SITA) | RNAC Building | 4229252 | 4228314 | | |

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. | <u>VSAT</u> | | |
| | 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. | <u>Radio Paging Services</u> | | |
| | a) Country Wide | 12,500,000.00 | 11,250,000.00 |
| | 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. | <u>Trunk Mobile Radio</u> | | |
| | 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 |

12. Telephone Nos. of NTA

| S. No. | Section | Phone No. | Extension No. |
|---------------|---------------------------|---|----------------------|
| 1. | Chairman | 4446010 | 225 |
| 2. | Board Members Room | ** | 235 |
| 3. | PA Room | ** | 223 |
| 4. | Advisor (I) | 4446008 | 244 |
| 6. | Administration & Account | ** | 213/214/218/223 |
| 7. | Consumer | 4446007 | 233/232/236 |
| 8. | License and Rural Telecom | ** | 220/221 |
| 9. | Legal | ** | 234/238 |
| 10. | Engineering (I) | 4446005 | 242 |
| 11. | Engineering (II) | 4435223 | 240/241 |
| 12. | Engineering (III) | ** | 243/245 |
| 13. | Library | ** | 209 |
| 14. | Registration | ** | 212 |
| 15. | Operator | ** | 9/211 |
| 16. | Security Guard | ** | 201 |
| | 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