



Annual Report

2009 - 2010

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དཔལ་ལྷན་འབྲུག་གཞུང།

Bhutan InfoComm and Media Authority
Olakha, Thimphu: Bhutan

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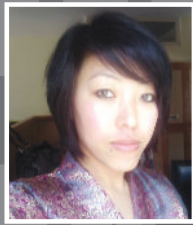
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OBITUARY



We, the family of BICMA, pay our deepest condolences to our late Legal Officer, Ugyen Penjor who passed away in June 2010. He was one of the most valuable employee and contributor to our organization and he will always be remembered and missed. MAY HIS SOUL REST IN PEACE.



Our
STAFF

DIRECTOR'S FOREWORD



“We commend this report to anyone wishing to understand the Bhutanese ICT and Media industry.”

We are honoured to present the BICMA report for the years 2009 and 2010, the second edition to be published since its establishment in 2007. This report is submitted as per reporting requirement of the Bhutan Information, Communications and Media Act 2006 (Act).

This report presents brief background of its establishment and mandates; objectives; revenue collected; governing body that provides strategic direction; and the structure and the organization of the BICMA Secretariat. It also presents a comprehensive account of the performance of the telecommunications, radio communications, and media/entertainment industries consistent with the regulatory obligations of the Authority. Of these the most significant activities carried out by the Authority includes simplification of licensing procedures involving the Local Authorities; and the implementation of rural communications programs amounting to Nu 360.12 Million through the use of Universal Service Fund (USF).

Guided by the dynamic Authority and a dedicated team of staff, the implementation of the plans and programmes for the years 2009 and 2010 have been eventful. However, BICMA recognizes that it has numerous challenges. We believe that these challenges can be overcome by strengthening the institutional capacity of the Authority. This year's report therefore dedicates a special chapter titled, "Human Resource Management". Among many other future important plans listed under "Way Forward", our priority for the year 2011 include, institutional autonomy for efficient management of resources; continuous training and development of our staff; and a performance based remuneration system.

The BICMA Report 2009 and 2010 reflects BICMA's strategic objective of keeping the Royal Government of Bhutan informed on regulatory and performance of the information, communications and media sector.

We commend this report to anyone wishing to understand the Bhutanese ICT and Media industry. We welcome any feedback on how to build on and improve the report for next year.

Director

Bhutan InfoComm and Media Authority

CHAPTER ONE

**Bhutan InfoComm and Media Authority
(BICMA)**

1.1 VISION

“To provide free and fair use of information, communications and media for all Bhutanese citizens, towards enhancing the achievement of Gross National Happiness”.

1.2 MISSION

“To create conducive regulatory environment to promote competitive and vibrant information, communications and media sector within Bhutan”.

1.3 OBJECTIVES

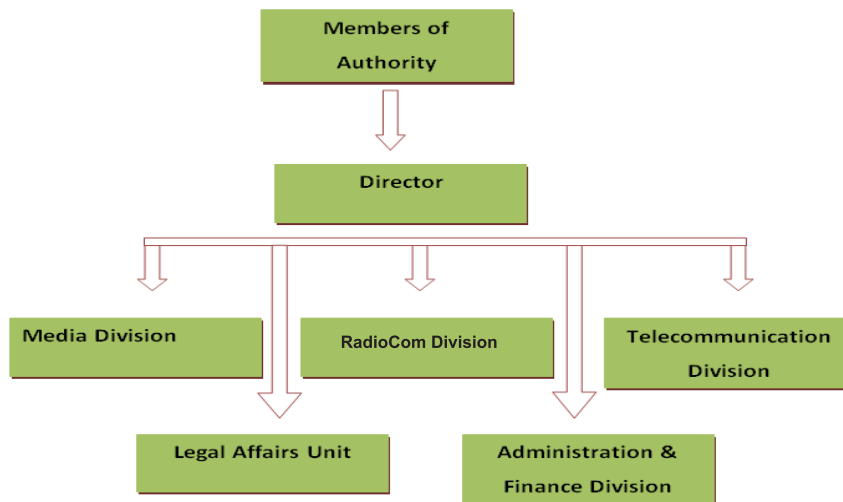
The primary objective of BICMA is to ensure a competitive ICT and Media sector and services accessible to all Bhutanese at affordable rates.

Besides, BICMA also aims to ensure:

- conducive environment for the development of ICT and media industry;
- continuous technological advancement for ICT and media industry;
- efficient and effective universal delivery of ICT and media services to increase productivity of business and quality of Bhutanese life ;
- dynamic and progressive regulatory environment to promote market development and manage impact of ICT and media industry on Bhutanese society; and
- facilitate establishment of an integrated, efficient and high quality ICT infrastructure in the country.

1.4 STRUCTURE

1.4.1 Organogram



1.4.2 The Authority

The Authority consists of six (6) Members including Member Secretary.



Chairperson

Dasho (Dr.) Sonam Tenzin, the Hon'ble Secretary of Ministry of Labour and Human Resources is the current Chairperson.

Dasho has extensive experience in rural development and has held various senior positions in the government including the dzongkhags and the Ministry of Home and Cultural Affairs.

Dasho was appointed as Chairperson of the Authority on 18 September 2009.



Member

Choiten Wangchuk, Director of Department of National Budget (DNB), Ministry of Finance.

Specialised in accounts and financial management, he started his civil service career as Finance Officer and has held a various position in the government.

He was appointed as a Member on 12 January 2007.

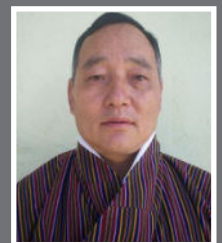


Member

Sonam Tshong, Director of Department of SAARC, Ministry of Foreign Affairs.

He began his civil service career as a diplomat, served as the Managing Director of Bhutan Broadcasting Service and Director of SAARC Secretariat, Kathmandu.

He was appointed as a Member on 24 December 2010.



Member

Kuenga Tshering, Director of National Statistics Bureau (NSB).

He started the civil service career at His Majesty's Secretariat and subsequently in the Ministry of Agriculture and Central Statistical Organization.

He was appointed as a member on 4 June 2010.



Member

Kaysang W. Samdup, Communication Specialist, Department of Revenue and Customs (DRC), Ministry of Finance.

She began her career as a Communication Officer at the DRC and has more than 21 years of comprehensive experience in communication spectrum.

She was appointed as Member on 21 July 2008.



Director

Sonam Phuntsho, Director, Bhutan InfoComm and Media Authority (BICMA).

He has extensive experience in public administration. Before joining the BICMA, he held a number of senior management positions including the Deputy Secretary, RCSC; Director, Royal Institute of Management (RIM) and Department of Information and Media (DoIM), Ministry of Information and Communications.

He joined BICMA on 4th January 2010.

1.4.3 Former Members

1. **Dasho Sonam Tshering**, Hon'ble Secretary, Ministry of Economic Affairs. He served as Chairperson from 2007 to September 2009.
2. **Tashi Wangmo**, Member of National Council. She served as a Member from 2007 to April 2008.
3. **Tenzin Choida**, former Director of Department of Information Technology, Ministry of Information and Communications. He served as a Member from 2007 to November 2009
4. **Bachu Phub Dorji**, Commissioner, Royal Civil Service Commission (RCSC). He served as a Member from 2007 to May 2010.
5. **Kinley T. Wangchuk**, Director, DoIM, MoIC. He served as the Director and Member Secretary from 2008 to December 2009.

CHAPTER TWO

Responsibility of BICMA Secretariat

2.1 TELECOMMUNICATIONS

This Division is responsible for regulating the telecommunications sector and developing national standards related to telecommunications and other ICT equipments.

2.1.1 Key objectives

Its primary objective is the development of an efficient, competitive and increasingly self-regulated telecommunications sector that would meet the demand of the Bhutanese people.

Its other objectives include:

- Make ICT services universally accessible and affordable in all parts of the country, particularly in the rural and remote areas;
- Ensure equitable, non-discriminatory interconnection across various ICT facilities and services providers;
- Ensure, encourage investment and foster technological innovation in the ICT sector ;
- Fostering industry self-regulation in a way to address public and national interest considerations without imposing much financial and administrative burdens on the industry and
- Efficient planning, allocation and use of national resources such as telecommunications numbering.

2.2 MEDIA

The Division is responsible for licensing, issuing permits and regulating media including entertainment services.

2.2.1 Key Objectives

Key objectives are to:

- Ensure media services are made universally accessible at affordable rates through competitive environment;
- Ensure that the Media facilities and services are owned and managed by Bhutanese citizens;
- Prevent cross-media ownership;
- Develop codes of practice relating to conduct of journalist;
- Develop technical specifications and standards for the places of entertainment;
- Develop standards for programmes and advertisements codes of practice;
- Ensure film contents are not antithetical to social, cultural and other values of Bhutanese people;
- Curtail harmful and illegal content and prevent general public (especially children and young people) from undesirable influences; and
- Accredite journalists (both local and foreigners).

2.3 RADIOCOMMUNICATIONS

The Division is responsible for controlling, planning, administering, managing and regulating the use of frequency spectrum.

It assigns radio frequency (ies) in different frequency bands to different services and applications through formulation of National Radio Regulation and Frequency band plans.

The Division is also responsible for the licensing and enforcement of the cable TV networks services.

2.4 ADMINISTRATION AND FINANCE

The Division is responsible for managing the administrations and finance facilitating the smooth and efficient functioning of BICMA.



CHAPTER THREE

Activities Undertaken

Numerous projects and Rules development were undertaken by various Divisions in the year 2009 and 2010.

3.1 PROJECTS

a. Rural Communications Project

As per the directive of the RGoB, BICMA initiated the rural communications program to connect unconnected areas with basic communications (voice and internet) services in a phased manner.

The first phase connected 35 gewogs and four villages with basic communications services. This program was carried out on cost sharing basis with subsidy component ranging from 50 to 70 percent of the total cost funded from the USF.

The List of these gewogs/villages is attached as **Annex A**.

A sum of Nu. 188.385 Million was disbursed from USF. The detail allocation is attached in Annex B.

This program was awarded on 1 July 2009 and got completed by December 2010.

b. Establishment of Internet Lease-line Connectivity to all Higher Secondary Schools

BICMA provided a subsidy of Ngultrum Four Million Two Hundred Six Thousand and Three Hundred Ninety (**Nu. 4,206,390.00**) from USF to provide Internet Leased Line Connectivity to all Higher Secondary Schools.

This project has been jointly implemented with BTL. The BTL installed and configure all twenty three (23) High Secondary Schools with Internet Leased Line Connectivity by 31 July, 2009.

c. Establishment of Transmission Links to Gasa and Dagana Dzongkhag

BICMA provided a subsidy of Ngultrum One Million Four Hundred Forty Six Thousand and Four Hundred Thirty One (**Nu. 1,446,431.00**) from USF to establish Internet link to Gasa and Dagana Dzongkhags.

d. Rural communications program (second phase)

A subsidy of seventy percent (70%) of the total cost amounting to Ngultrum One Seventy One Million Seven Hundred Thirty Four Thousand Six Hundred eighty Four (**Nu. 171,734,684.00**) was allocated for second phase of the rural communications on September 2010.

This program is funded through USF with the aim of connecting all un-connected villages by 02 June 2011.

3.2 RULES /ORDERS FOR GOVERNING THE SECTOR

a. Tariff order

In order to regulate the telecommunications tariffs for leasing Dark Fiber, Domestic Leased Circuits, International

Private Leased Circuit and Internet Leased lines, BICMA developed “**Tariff Order 2009**” with the technical support from the World Bank.

This Order was enforced on 01 July, 2009.

b. ICT Cost Modeling

In order to determine the actual costing of the ICT services including both mobile and fixed services and its interconnection charges, BICMA with technical support from International Telecommunications Union (ITU) has developed an ICT Costing Model.

This Model was developed in December 2009 and would assist BICMA in finding the actual pricing of ICT services as well as determining predatory pricing.

c. Rules / Guidelines Adopted

The following Rules/Guidelines have been adopted by Authority for implementation:

1. Rules on Content;
2. Rules for National Film Review Board;
3. Rules Governing the Examination and Certification of Films ;
4. Rules on Universal Service Fund; and
5. Guidelines on Places of Entertainment.

3.3 CONSULTATION

In order to familiarize Rules /Guidelines or seek inputs to the formulation of Rules pertaining to ICT and Media Sector, BICMA conducted a series of consultative meetings with its stakeholders.

a. Guidelines

In order to create a safe and hospitable entertainment place in the country, BICMA held a number of consultative meetings with owners of Places of Entertainment, particularly the Drayangs and Discotheques, ELC of Paro and Phuentsholing, including the DYT of Paro Dzongkhag to discuss the “Guidelines on Places of Entertainment”. Similar consultations were also carried out with relevant agencies in Thimphu.

b. Rules /Codes

The following draft Rules /Codes were shared with the relevant stakeholders for their comments and feedback:

- Rules on Infrastructure Sharing
- Rules on Interconnection
- Rules on Cable Television Services
- Broadcasting Codes

3.4 REVIEW OF NATIONAL FILMS

A total of 52 national films have been reviewed and certified for public exhibition in the year 2009-2010.

The details of these films are included in **Annex C**.

3.5 ACCREDITATION OF JOURNALIST

A total of 491 journalists were accredited. This includes national as well as regional and international journalists. The details are presented below:

| Sl No | Year | No. of Regional/International Journalist accredited | No. Of National Journalist Accredited |
|-------|------|---|---------------------------------------|
| 1 | 2009 | 68 | 1 |
| 2 | 2010 | 303 | 19 |

Table 1: No. of accreditation issued

3.6 ISSUANCE OF PERMITS

a. Film Permit

During the year 2009-10, a total of 120 filming permits including national and international films were issued. Of this, 63 are national commercial films, 2 national documentary films, one national MTV and 54 international documentary films.

b. Other permits

A total of fourteen (14) entertainment permits were issued. This includes permits to hold reality shows (Miss Bhutan 2010, Druk Star, Talent Hunt and Bhutan Star) and concerts.

Further, one (1) permit to install and operate Very Small Aperture Terminal (VSAT) equipment and ten (10) permits to operate Amateur radio were issued.

3.7 ISSUANCE OF LICENCE

a. Entertainment licence

As of date, BICMA has licensed twenty five (25) Drayangs, five (5) discotheques, three (3) karaoke/Live Music, ten (10) Gaming Arcades (Snooker), ten (10) Video Parlours and one (1) Cinema Hall.

b. Publishing and Printing

As of date, BICMA has issued twenty eight (28) publishing licenses including four (4) magazines and two (2) new Newspapers licences. Besides, 14 printing licences were also issued.

The lists of the licenses issued are at **Annex D**.

c. FM Radio Stations

BICMA licensed three (3) FM radio stations. They are Sherubtse FM1 , Radio Waves and Radio High.

d. Cable TV networks

Nine (9) CATV license were issued to operate in different locations under Punakha, Dagana, Monggar, Samdrup Jongkhar, Pemagatshel and Wangduephodrang Dzongkhags.

e. Internet Service Provider (ISP)

BICMA issued two new ISPs licence to DrukCom Pvt. Ltd and Samden Tech Pvt. Ltd in October 2010.

3.8 REGISTRATION OF BOOKS/ MAGAZINES

Ten (10) books/magazines by national authors were registered for sale and distribution.

3.9 FREQUENCY MANAGEMENT

BICMA had assigned /renewed one hundred thirty (130) radio frequencies to different radio users.

3.10 CIVIL WORK

The Fixed Frequency Monitoring Station (FMS) at Tsirang was connected with water supply and black-topped access road (200 Meters).

3.11 ANNUAL MEETING

First Annual Meeting with its stakeholders (licensee and, policy makers) was convened from 18 to 19 June 2009 at Paro. The theme of the Meeting was “Outlook of Stakeholders for Way Forward”. The Meeting was inaugurated by the Hon’ble Minister for Information and Communications.

The Second Annual Meeting was also held at Paro from 17 to 18 June 2010.

¹ Sherubtse FM radio is a student initiative. It is a low powered transmission that is limited to within the college campus



CHAPTER FOUR

Human Resource Development

4.1 OUR PEOPLE

Currently BICMA has twenty eight (28) staffs; fifteen (15) male and thirteen (13) female.

Five new Officers joined BICMA during 2009 and 2010:

- Ms. Tshewang Choden (2009)
- Ms. Sonam Lhamo(2009)
- Ms. Sadon Lhamo (2009)
- Mr. Ganga Ram Ghimrey (2010)
- Mr. Sonam Phuntsho(2010)

Ms. Jigme Choden, Sr. Communications Officer moved to Anti-Corruption Commission (ACC) in October 2010.

4.2 OFFICE MANAGEMENT

a. Monthly Staff Meeting

BICMA instituted the Monthly Staffs Meeting to discuss the general office management issues. This Meeting is attended by all staff of BICMA.

b. Management Meeting

BICMA also instituted weekly Management Meeting to discuss the key strategic issues and other activities pertaining to respective Divisions. This Meeting is attended by the Director and the Heads of Divisions.

c. Human Resource Committee (HRC) Meeting

As per provision of the Bhutan Civil Service Rules (BCSR), BICMA convenes HRC Meeting every Tuesday subject to availability of agenda related to HR.

4.3 PERFORMANCE MANAGEMENT

BICMA accords importance to continuous performance management of its employees to monitor and achieve the objectives of the Authority.

The Heads of respective Divisions are responsible for monitoring as well as motivating its staff to improve and excel in their performance.

Respective Divisions prepare its biannual work plan which includes targets along with specific indicators. Besides, it is mandated to develop individual work plans of respective staffs with specific targets and time-frames.

Every Division conducts a monthly meeting to discuss the performance of its work plan as well as to monitor the progress of the individual staff's work plan.

4.4 TRAINING

BICMA is committed to continuous learning and development mostly through in-house skills/ knowledge development. However, BICMA also avails specialised training and development abroad subject to availability of funds.

Numerous training offers, including fellowships were received from international organizations like ITU and APT.

BICMA staff also attend industry related international seminars, conferences, workshops and meetings to gain knowledge of leading-edge developments in the communications industry.

Some of the important international meetings/trainings attended by its staff are listed below:

a. ITU's Plenipotentiary 2010

Director, BICMA joined the government delegation led by Hon'ble Minister for Information and Communications to attend the ITU's Plenipotentiary 2010 at Guadalajara, Mexico, from 3 to 15 October 2010.

b. Asia Media Summit 2010

The Director, DoIM and BICMA led the delegation to attend the Asia Media Summit 2010 at Beijing, China. The Summit was organized by the Government of China from 24 May to 26 May with aims to discuss and understand the pertaining issues concerning both policy and regulation on media in Asian context.

c. Asia Pacific Telecommunity (APT)'s Policy and Regulatory Forum.

Lakshuman Chhetri and Wangay Dorji attended the Policy and Regulatory Forum (PRF) at Yogyakarta, Indonesia, from 9 to 12 July 2010. Wangay Dorji is the serving vice-chair of the Forum for year 2010 and 2011.

d. Global Symposium for Regulators (GSR)

Wangay Dorji and Jigme Wangdi attended ITU's 9th Global Symposium for Regulators (GSR) from 10 to 12 November 2009 at Beirut, Lebanon.

e. SATRC Meeting

Tenzin Dorji and Karma Ugyen accompanied the Director for the 11th South Asian Telecommunications Regulators' Council Meeting (SATRC) which was held at Colombo, Sri Lanka from 24 to 26 November 2009.

The detail lists of training/workshops/seminar / conferences/meetings are listed in **Annex F**.



CHAPTER FIVE

Revenue and Expenditure

5.1 REVENUE

The total revenue earned for the year 2009 and 2010 is around Nu. 47.48 Million. The break-up of the revenue is given below:

| Revenue Heads | Category of Revenue Collection | Amount Collected (in Nu.) |
|--------------------------|---------------------------------------|---------------------------|
| RGR | VSAT | 4,468,851.33 |
| | ISP License | |
| | ICT Dealership | |
| | SITA Permit fee | |
| | Radio license fee | |
| | Amateur license fee | |
| | Cable TV | |
| | Publishing License fee | |
| | Printing License fee | |
| | Registration of Books fee | |
| | Broadcasting (Radio Station) fee | |
| | Newspaper Publishing License fee | |
| | Entertainment License fee | |
| | Entertainment Permit fee | |
| Entertainment Permit fee | | |
| MDF | National Film Permit fee | 4,160,158.83 |
| | National Journalist Accreditation fee | |
| | International Film Permit fee | |
| | Ad hoc Journalist Accreditation fee | |
| USF | ICT Service/Facility License | 38,850,000.00 |

Table 2: Details of Revenue earned in the year 2009-2010

Note

RGR: Royal Government Revenue Account

USF: Universal Service Fund

MDF: Media Development Fund

5.2 EXPENDITURE

The approved allocated budget for the year 2009 and 2010 is Nu. 202.597 Million. This includes Nu. 11.905 Million for current expense and Nu. 190.582 Million for capital expense.

The expenditure for current activities was Nu. 11.881 Million and Nu.190.582 Million has been spent for capital expense.

A sum of Nu. 188.385 Million was spent from Universal Service Fund (USF) for the Rural Communication Project Phase-I and Nu. 2.197 Million was used from the RGoB account for office expenses.

The details of expenditures are provided below:

| Sl. No | Account Name | Budget Amount (Nu. in Million) | Expenditure Amount (Nu. in Million) |
|--------------------|----------------|------------------------------------|--|
| 1 | Current (RGOB) | 11.905 Million | 11.881 Million |
| 2 | Capital(RGOB) | 2.307 Million | 2.197 Million |
| 3 | Capital (USF) | 188.385 Million | 188.385 Million |
| Grand Total | | 202.597 Million | 202.463 Million |

Table 3: Details of expenditure for the year 2009-2010



NTG
OUTPUT ADJ. AUDIO ADJ. AUDIO CARRIER VIDEO ADJ.
ON OFF

NTG
Adjacent Channel Modulator - ITEM (SERIES - 1000)
OUTPUT ADJ. AUDIO ADJ. AUDIO CARRIER VIDEO ADJ.
ON OFF

TeleXStar
SAW FILTER MODULATOR
888
MODULATOR

MC
SAW FILTER MODULATOR
POWER

CATVISION
PLL SAW FILTER MODULATOR
VIDEO MODULATION AUDIO MODULATION CARRIER MODULATION POWER
SFM-560

NTG
Channel Combiner
CHC-16

NTG
Channel Combiner
CHC-16

NTG
Adjacent Channel Modulator - ITEM (SERIES - 1000)
OUTPUT ADJ. AUDIO ADJ. AUDIO CARRIER VIDEO ADJ.
ON OFF

NTG
Adjacent Channel Modulator - ITEM (SERIES - 1000)
OUTPUT ADJ. AUDIO ADJ. AUDIO CARRIER VIDEO ADJ.
ON OFF

F.P. SCREY
Adjacent Channel Modulator
CHANNEL LEVEL AUDIO VIDEO POWER
ACM-300

CATVISION
PLL SAW FILTER MODULATOR
VIDEO MODULATION AUDIO MODULATION CARRIER MODULATION POWER
SFM-560

CATVISION
PLL SAW FILTER MODULATOR
VIDEO MODULATION AUDIO MODULATION CARRIER MODULATION POWER
SFM-560

CATVISION
PLL SAW FILTER MODULATOR
VIDEO MODULATION AUDIO MODULATION CARRIER MODULATION POWER
SFM-560

MC
SAW FILTER MODULATOR
POWER

CATVISION
PLL SAW FILTER MODULATOR
VIDEO MODULATION AUDIO MODULATION CARRIER MODULATION POWER
SFM-560

WORLD

PLUS

Movies

72

National Geographic

DO NOT REMOVE THIS WIRING CAPS

SHARP
POWER

16

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CHAPTER SIX

Way Forward

WAY FORWARD

2009 and 2010 were a remarkable period for BICMA. Many important programmes were initiated and implemented successfully. This period also saw adoption of important Rules/ Order for regulating the ICT and Media Sector.

To pursue our vision of providing, “free and fair use of information, communications and media for all Bhutanese citizens, towards enhancing the achievement of Gross National Happiness”, numerous activities have been planned for implementation in the coming years. We believe that these activities will contribute towards the achievement of creating “conducive regulatory environment to promote a competitive and vibrant information, communications and Media sector” within our country.

Some of the identified activities for enhancing the ICT and Media sector development are presented below:

Online Licensing System

BICMA plans to develop an Online Licensing System for better access and easy delivery of its services to the public. This system will enable the potential Licensees to apply for licenses and permits online without having to visit BICMA Office physically.

Media Directory

BICMA also plans to publish a Media directory to provide basic information on Bhutanese media fraternity, including company profile, contact address and mode of business. Content of this directory will also include procedures for obtaining licence /permit and fee for the establishment of media services.

Autonomy

To establish BICMA as an autonomous agency, a proposal will be prepared and submitted to the government for approval.

Strengthening the Institutional Capacity

BICMA plans to build its own office structure at Motithang on the plot allocated for the purpose. The tender for designing/ building is being prepared.

To complement this initiative, BICMA also plans to carry out Organizational Development Exercise (ODE) for matching its internal competence with the desired capacity to function as an autonomous agency.

Developing Rules

The existing Rules governing Printing Press, Books and Newspaper shall be reviewed to make them consistent with the changing media scenario and possible modification of the Act.

The list of Rules/Codes and guidelines that will be developed are :

1. Broadcasting Code of Practice;
2. Rules on Internet Content ;

3. Rules on Interconnection ;
4. Rules on Infrastructure sharing; and
5. Accounting Separation.

Piloting of New technologies

In accordance with Section 23 (e) of the Act, BICMA plans to pilot a project on Broadband over Power line (BPL) with the technical assistance of ITU. The objective of this project is to encourage investment and foster technological innovation within the sector. This pilot project will be jointly executed in collaboration with all relevant stakeholders.

ANNEX A: List of gewogs connected during the first phase of the rural Communication program

| Sl | Name of the Dzongkhag | Geogs/ Communities to be connected | Implementing Agency |
|----|-----------------------|---|---------------------|
| 1 | Lhuentse | Jarey , Gangzur | BTL |
| 2 | Mongar | Thangrong | BTL |
| 3 | Trashigang | Sakteng, Merak, Thrimshing, Kangpara | BTL |
| 4 | Sarpang | Singye, Dovan | BTL |
| 5 | Samdrup Jongkhar | Samrang, Jomotshangkha, Lauri, Serthing | BTL |
| 6 | Zhemgang | Nangkhor, Shingkar, Bardo, Phankhar , Goshing | BTL |
| 7 | Pemagatshel | Dungmin, Chongshing, Chimung, Decheling | BTL |
| 8 | Jakar | Choekhor Toe | BTL |
| 9 | Gasa | Lunana, Laya | BTL |
| 10 | Thimphu | Soe, Naro , Lingshi | BTL |
| 11 | Samtse | Dumtoe | TICL |
| 12 | Wangdue | Gogona and Khotokha | TICL |
| 13 | Haa | Sanbaykha and Gakiling | TICL |
| 14 | Tsirang | Patalay, Tshokona, Gosarling, Phuntenchu, Tsirantoe | TICL |
| 15 | Dagana | Gaserling | TICL |
| 16 | Punakha | Goanshari | TICL |
| 17 | Gasa | Pasha | TICL |

ANNEX B: Fund Allocation for First phase of universal service program

| Sl. No | Name of the Company | Subsidy amount |
|-----------------------------|---------------------|-----------------------|
| 1 | Bhutan Telecom Ltd. | 107,135,506.00 |
| 2 | Tashi InfoComm Ltd | 78,732,915.00 |
| Total Subsidy Amount | | 185,868,421.00 |

ANNEX C: Film Reviewed

| Sl.no | Name of Film | Production Company | Date of Review | Date of Certification | Ratings |
|-------|-----------------------|-----------------------------|----------------|-----------------------|-----------|
| 1 | The Exchange | Pelvajra Vision Works | 07.02.2009 | 10.02.2009 | PG |
| 2 | Phomoi Barchey | Zhanag Pictures | 20.02.2009 | 27.02.2009 | U |
| 3 | Sungchop Mangmi | Yarab Communications | 20.02.2009 | 24.02.2009 | U |
| 4 | Nge Yangsel | Tshering Meto A/V | 06.03.2009 | 09.03.2009 | U |
| 5 | Sem Dha Sem | Karma Entertainment Inc. | 27.03.2009 | 30.03.2009 | U |
| 6 | Lopen Selwai Melong | Pelden Lham Audio Visual | 10.04.2009 | 13.04.2009 | U |
| 7 | Return of Ata Khawjay | Tee Dee Audio Visual | 15.05.2009 | 26.05.2009 | U |
| 8 | Seldrup | Kuenwang Woestal Production | 05.06.2009 | 11.06.2009 | U |
| 9 | Chorten Kora II | Bhutan Multimedia | 12.06.2009 | 22.06.2009 | U |
| 10 | Losel | S&D AV Production | 03.07.2009 | 06.07.2009 | U |
| 11 | City of Dreamz | Wangshel AV Productions | 10.06.2009 | 10.07.2009 | U |
| 12 | Sem Gi Damtsi | Precious Pictures | 29.08.2009 | 01.09.2009 | U |
| 13 | Szhendhen | Future Films | 05.09.2009 | 07.09.2009 | U |
| 14 | 4 Friends | Bhutan Infotainment | 19.09.2009 | 07.10.2009 | U |
| 15 | SemGi Jurwa | Lhazeen Infotainment | 05.12.2009 | 08.12.2009 | U |
| 16 | Sha Dha Simo | Samten Pictures | 19.12.2009 | 22.12.2009 | U |
| 17 | Hago Na May | Leo Entertainment | 14.11.2009 | 14.11.2009 | U |
| 18 | Far Away Girl | Bhutan Luyang Entertainment | 26.12.2009 | 26.12.2009 | U |
| 19 | Sergi Zhoem | Heruka Media Production | 27.12.2009 | 27.12.2009 | U |
| 20 | Sergi Dunghi | DTS Entertainment | 31.12.2009 | 31.12.2009 | U |
| 21 | Lay Gi Rimo | Melody Multimedia Studios | 07.01.2010 | 13.01.2010 | U |
| 22 | Sem Gawai Tasha | NT Sound and Vision | 09.02.2010 | | U |

| | | | | | |
|----|--------------------|----------------------------------|------------|------------|----|
| 23 | Yamasoo | Choezang Trophel | 16.03.2010 | 18.03.2010 | U |
| 24 | Seven Missed Calls | Kinden Entertainment | 21.03.2010 | 21.03.2010 | U |
| 25 | Shh Galuya Malab | Etho Metho Pictures | 24.04.2010 | 27.04.2010 | U |
| 26 | Hingi Chetru | Mila Communication | 04.04.2010 | 05.04.2010 | U |
| 27 | Sarim Jarim | Kuenwang Yosel Production | 04.04.2010 | 05.04.2010 | U |
| 28 | The Destiny | The Eyes Audio Visual Production | 06.03.2010 | 08.03.2010 | U |
| 29 | Miss Bhutan | Kinlay Drayang | 14.04.2010 | 17.04.2010 | U |
| 30 | Lamai Tashi | Ascent Pictures | 15.05.2010 | 21.05.2010 | U |
| 31 | Tsewaa | Dungsam Pictures | 05.06.2010 | 14.06.2010 | U |
| 32 | Jigsaw | Peaceful Productions | 03.07.2010 | 14.06.2010 | U |
| 33 | Chi Sem Chi Lu | Tse Goen Entertainment | 24.07.2010 | 16.07.2010 | U |
| 34 | Sleeping Beauty | Yoedhen Pictures | 07.08.2010 | 26.07.2010 | |
| 35 | Karma Wangzin | Golden Pictures | 08.08.2010 | 09.08.2010 | U |
| 36 | Zhethagyab | Star Creations | 14.08.2010 | 09.08.2010 | PG |
| 37 | Lewang Chengi Bum | Yuden Audio Visual and Films | 12.09.2010 | 16.08.2010 | U |
| 38 | Rigdhen Wangmo | Dorji Drayang | 25.09.2010 | 28.09.2010 | U |
| 39 | Jalam Ge Ashi | Sethpai Serkhor Entertainment | 09.10.2010 | 11.10.2010 | U |
| 40 | Songs of the Wind | Clear Light Productions | 02.10.2010 | 15.10.2010 | U |
| 41 | Nge Rewa | Wisdom Pictures | 06.11.2010 | 10.11.2010 | U |
| 42 | Bardo | Karma Bumzang Films | 12.11.2010 | 16.11.2010 | U |
| 43 | Leywang Chengi Bum | Yuden Audio Visual and Films | 07.11.2010 | 16.11.2019 | U |
| 44 | Butshap | Phuensum Entertainment | 20.11.2010 | 25.11.2010 | U |
| 45 | Kabkabsu | Choezang Motion Pictures | 27.11.2010 | 29.11.2010 | U |
| 46 | Samzang | Khala Mebhar Productions | 11.12.2010 | 14.12.2010 | U |
| 47 | Hing Tshaway | STK Productions | 04.12.2010 | 14.12.2010 | U |
| 48 | Last Piece | PD Production | 18.12.2010 | 28.12.2010 | U |
| 49 | Yethro Lhamo | Bhutan Himalayan Pictures | 26.12.2010 | 29.12.2010 | U |
| 50 | Sacho Gami Ga | Dakini Films | 25.12.2010 | 29.12.2010 | U |
| 51 | Highland Girl | DTS Entertainment | 25.12.2010 | 30.12.2010 | U |
| 52 | Yeewongma | Wangthang Production | 26.12.2010 | 26.01.2011 | U |

ANNEX D: Entertainment Establishments

| Sl.No | Entertainment Establishment | Type of Entertainment | Location |
|-------|------------------------------|-----------------------|---|
| 1 | Tashi Tagay Drayang | Drayang | Near Sakteng Club, Thimphu |
| 2 | KNC Drayang | Drayang | Hongkong Market, Thimphu |
| 3 | Zombalha Drayang | Drayang | Hongkong Market, Thimphu |
| 4 | Norbuling Drayang | Drayang | Norling Building, Thimphu |
| 5 | Soongyen Kalapingka | Drayang | Pema Dema Building, Norzin Lam, Thimphu |
| 6 | Doejo Thundrel Drayang | Drayang | Above Hotel Jumolhari, Thimphu |
| 7 | New-lee Drayang | Drayang | Opposite RICBL, Thimphu |
| 8 | Gyelwang Drayang | Drayang | Zangtopelri Building, Thimphu |
| 9 | Mejig Sengye Drayang | Drayang | Yarkay Center Building, Norzin Lam, Thimphu |
| 10 | Lungta Gongphel Drayang | Drayang | Near Sakteng Health Club, Thimphu |
| 11 | Nashon Nyishu Tsachi Drayang | Drayang | Near Sakteng Health Club, Thimphu |
| 12 | Peljor Drayang | Drayang | Opposite to hotel Jumolhari, Thimphu |
| 13 | Merik Phuensum Drayang | Drayang | Opposite to RICBL Building, Thimphu |
| 14 | Phunsum Drayang | Drayang | Near Main Traffic, Thimphu Town |
| 15 | Da Yangki Jatsho Drayang | Drayang | Trongsa Town |
| 16 | Sharchop Drayang | Drayang | Haa |
| 17 | Thonglay Drayang | Drayang | Phuentsholing town, Chukha |
| 18 | Namsay Dzombalha Drayang | Drayang | Phuentsholing town, Chukha |
| 19 | Jigme Namgyal Trokhang | Drayang | Chamkhar, Bumthang |

| | | | |
|----|-----------------------|-------------------|-------------------------------------|
| 20 | Shari Drayang | Drayang | Bondey, Paro |
| 21 | Gaden Drayang | Drayang | Basement of Gaden Cinema Hall, Paro |
| 22 | Lha Yul Drayang | Drayang | Dema's Building, behind BOD, Paro |
| 23 | Druk Drayang | Drayang | Chengay's Building, Paro |
| 24 | Samden Norzin Drayang | Drayang | Paro |
| 25 | Snooker's Moon's Club | Snooker | Punakha |
| 26 | Black Pot House | Snooker | Punakha |
| 27 | Lekden Choley Pool | Snooker | Thimphu |
| 28 | His Snooker | Snooker | Thimphu |
| 29 | Rabsel Dawa Snooker | Snooker | Thimphu |
| 30 | Q Snooker | Snooker | Thimphu |
| 31 | Yedzin Wangyal | Snooker | Samtse |
| 32 | Bumdeling Snooker | Snooker | Haa |
| 33 | Pema Wangchuk Snooker | Snooker | Mongar |
| 34 | Rig Wang Snooker | Snooker | Mongar |
| 35 | Splash | Discotheque | Thimphu |
| 36 | Zomsa | Discotheque | Thimphu |
| 37 | Depth of Sound | Discotheque | Thimphu |
| 38 | Club Banana | Discotheque | Thimphu |
| 39 | Shari Cinema Hall | Shari Cinema Hall | Paro |

ANNEX E: Publishing License

| Sl.no | Name of the Publishing House | License Number | Type of License | Date of Issue | License Validity |
|-------|--|--------------------|----------------------|--------------------|-----------------------|
| 1 | Karma Printers & Publishers, Thimphu Bhutan | BICMA/BTN-PubH/012 | Publishing House | 21st January 2009 | 21/01/2009-21/01/2014 |
| 2 | TG Media and Infotainment, PO BOX:910, Thimphu, Bhutan | BICMA/BTN-Publ/013 | Individual Publisher | 16th February 2009 | 16/02/2009-16/02/2014 |
| 3 | Megah Publications, P.O. Box: 463, Thimphu | BICMA/BTN-Publ/014 | Individual Publisher | 19th March 2009 | 19/03/2009-19/03/2014 |
| 4 | Wisdom Pictures, Serya Lam, Lower Motithang, Thimphu | BICMA/BTN-PubH/015 | Publishing House | 13th April, 2009 | 13/04/2009-13/04/2014 |
| 5 | Bhutan Times Limited, Thimphu, Bhutan | BICMA/BTN-PubH/016 | Publishing House | 15th April 2009 | 15/04/2009-15/04/2014 |
| 6 | Loter Publications, Thimphu, Bhutan | BICMA/BTN-Publ/017 | Individual Publisher | 15th April 2009 | 15/04/2009-15/04/2014 |
| 7 | Kuensel Corporation Limited, Thimphu, Bhutan | BICMA/BTN-PubH/018 | Publishing House | 28th April 2009 | 28/04/2009-28/04/2014 |
| 8 | Dorling Consultancy and Translations, Thimphu, Bhutan | BICMA/BTN-Publ/019 | Individual Publisher | 29th May 2009 | 29/05/2009-29/05/2014 |
| 9 | Bhutan Publishing House, Thimphu, Bhutan | BICMA/BTN-Publ/020 | Individual Publisher | 15th June 2009 | 15/06/2009-15/06/2014 |

| | | | | | |
|----|--|------------------------|-------------------------|---------------------------|---------------------------|
| 10 | Thinley Pelbar Publishers, Thimphu | BICMA/BTN- Publ/022 | Individual Publisher | 9th July, 2009 | 09/07/2009- 09/07/2014 |
| 11 | MPC Design and Publishing, Thimphu | BICMA/BTN- PubH/023 | Publishing House | 13th July, 2009 | 13/07/2009- 13/07/2014 |
| 12 | VanGuard Publication, Jigme Villa, Changangkha, Thimphu | BICMA/BTN- Publ/024 | Individual Publisher | 22nd July, 2009 | 22/07/2009- 22/07/2014 |
| 13 | Bhutan Today Printing & Publishing House, Thimphu, Bhutan | BICMA/BTN- PubH/025 | Publishing House | 30th July 2009 | 30/07/2009- 30/07/2014 |
| 14 | DSB Enterprises, POBOX435, Thimphu (321044/17110138) | BICMA/BTN- Publ/026 | Individual Publisher | 3rd August, 2009 | 03/08/2009- 03/08/2014 |
| 15 | Dzongkha Language Institute. Post Box#1606 Thimphu | BICMA/BTN- Publ/027 | Individual Publisher | 25th September 2009 | 25/09/2009- 25/09/2014 |
| 16 | Tenzin Yangzom Publications, Changzamtog, Thimphu | BICMA/BTN- Publ/028 | Individual Publisher | 19th October 2009 | 19/10/2009- 19/10/2014 |
| 17 | Student Plus Publications | BICMA/BTN- PubH/029 | Publishing House | 22nd October 2009 | 22/10/2009- 22/10/2014 |
| 18 | Bhutan Institute of Media | BICMA/BTN- Publ/030 | Individual Publisher | 29th October 2009 | 29/10/2009- 29/10/2014 |
| 19 | Dhodter Rigtshe Publications, Chang lam Plaza, space# 48, Pobox 1717, Thimphu | BICMA/BTN- Publ/031 | Individual Publisher | 16th February 2010 | 16/02/2010- 16/02/2015 |
| 20 | Institute for Management Studies, Olakha Thimphu | BICMA/BTN- PubH/032 | Publishing House | 23rd March 2010 | 23/03/2010- 23/03/2015 |
| 21 | Bhutan Media Services, Norzin Lam, P.O Box 1558 | BICMA/BTN- PubH/033 | Publishing House | 23rd March 2010 | 23/03/2010- 23/03/2015 |

| Printing License 2009-2010 | | | | | |
|----------------------------|---|-------------------|-----------------|---------------|---------------------|
| Sl.no | Name of the Printing Press | License Number | Type of License | Date of Issue | License Validity |
| 1 | Bhutan Times Limited, Thimphu, Bhutan | BICMA/BTN-PrM/010 | Medium | 15/04/09 | 15/04/09-15/04/2014 |
| 2 | Kuensel Corporation Limited, Thimphu, Bhutan | BICMA/BTN-PrM/011 | Medium | 28/04/09 | 28/04/09-28/04/2014 |
| 3 | Yoez Graphics, Chubachu, Thimphu | BICMA/BTN-PrS/012 | Small | 8/5/2009 | 08/05/09-08/05/2014 |
| 4 | Phuntsho Printers, Hongkong Market (Below MTI), Thimphu, Bhutan | BICMA/BTN-PrC/013 | Cottage | 18/05/09 | 18/05/09-18/05/2014 |
| 5 | TN Printing Press, P.O. Box:741, Thimphu, Bhutan | BICMA/BTN-PrS/014 | small | 18/05/09 | 18/05/09-18/05/2014 |
| 6 | Phama Printing and Publishers, Langjophaka, Thimphu | BICMA/BTN-PrM/015 | Medium | 20/05/09 | 20/05/09-20/05/2014 |
| 7 | Drukylul Printers, Deki Lam, Phuntsholing, Bhutan | BICMA/BTN-PrC/016 | Cottage | 21/05/09 | 21/05/09-21/05/2014 |
| 8 | Rich Collection Printers, Thimphu, Bhutan. | BICMA/BTN-PrC/017 | Cottage | 15/06/09 | 15/06/09-15/06/2014 |
| 9 | National Printing Press, Samdrupjongkhar. | BICMA/BTN-PrC/018 | Cottage | 16/06/09 | 16/06/09-16/06/2014 |
| 10 | Image Arts, Prints and Rubber Seal, POBox 450, Thimphu Bhutan | BICMA/BTN-PrC/019 | Cottage | 15/06/09 | 15/06/09-15/06/2014 |
| 11 | Bhutan Today Printing and Publishing House, Post Box 1532, Phendey Lam, Thimphu | BICMA/BTN-PrM/020 | Medium | 30/07/09 | 30/07/09-30/07/2014 |

ANNEX F: Training Report

| Records of the trainings,workshops,meetings and Seminars attended by BICMA Officials 2009- 2010 | | | | |
|---|---|--|-----------------------------|---------------------|
| Sl.No | Name | Trainings/Workshops/Seminar/ Conference/Meetings | Place | Date |
| 1 | Mr. Sonam Phuntsho, Director | Asia Media Summit | Beijing, China | 24-26 May 2010 |
| | | ITU, ABBMN Ministerial forum, Digital inclusion: Connecting responsibility | Maldives | 3-5 August 2010 |
| | | Plenipotentiary Conference(PP-10) | Guadalajara, Mexico | 3-15 Oct 2010 |
| 2 | Mr. Lakshuman Chhetri, Chief Info.& Media Officer | Telecom Development Symposium | Geneva, Switzerland | 5-9 October 2009 |
| | | Study Tour on Media | Singapore | 12-13 October 2009 |
| | | APT Policy & Regulatory forum & Business Dialogue | Yogyakarta, Indonesia | 12-16 July 2010 |
| | | ACMA ITU Training Programme | Sydney, Australia | 5-10 December 2010 |
| 3 | Mr. Wangay Dorji, Dy. Chief Communication Officer | US International visitors leadership Programme | USA | 28-16 October 2009 |
| | | ITU Global Symposium for Regulators | Beirut, Lebanon | 9-12 November 2009 |
| | | Nascom Forum | New Delhi and Mumbai, India | 9-11 February 2010 |
| | | Mobile 2.0 export forum | Islamabad, Pakistan | 26-27 April 2010 |
| | | APT Policy & Regulatory forum & Business Dialogue | Yogyakarta, Indonesia | 12-16 July 2010 |
| | | SATRC workgroup Meeting on Policy and Regulation | New Delhi, India | 6-11 August 2010 |
| | | Leadership for new Bhutan | RIM, Thimphu | 20-23 December 2010 |

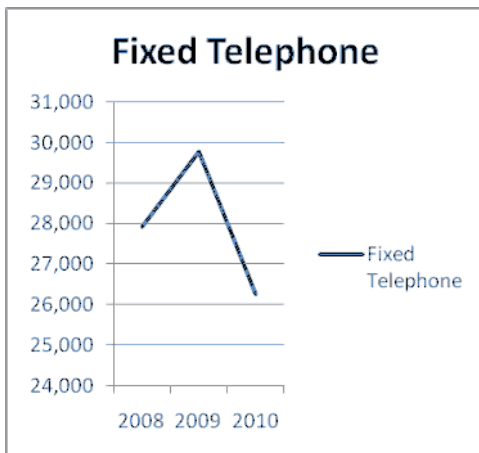
| | | | | |
|----|---|---|----------------------------|----------------------------|
| 4 | Mr. Jigme Wangdi, Deputy Chief Communication Officer | ITU Global Symposium for Regulators | Beirut, Lebanon | 9-12 November 2009 |
| | | WRC Meeting | Hongkong, China | May 2009 |
| | | Executive training on Connectivity and Convergence | Cape Town, South Africa | 12-16 April 2010 |
| | | 9th Meeting on the APT Wireless Forum) | Seoul, South Korea | 13-16 September 2010 |
| | | ITU Basic training in Installation, Operation and use of spectrum mgt. | Bangkok, Thailand | 18-22 October 2010 |
| | | WRC preparatory meeting. | Hongkong, China | December 2010 |
| 5 | Mr. Karma Ugyen, Sr. Accounts Officer | South Asian Telecommunication Communications Regulators Council Meeting | Sri Lanka | 24-26 November 2009 |
| 6 | Mr. Tenzin Dorji, Sr. Communication Officer | South Asian Telecommunication Communications Regulators Council Meeting | Sri Lanka | 24-26 November 2009 |
| | | APT workshop on international mobile roaming | Brisbane, Australia | 8-10 June 2010 |
| | | SATRC workgroup Meeting on Network & Services) | Colombo, Sri Lanka | 14-16 July 2010 |
| 7 | Mrs. Jigme Choden, Sr. Communication Officer | Mobile 2.0 export forum | Islamabad, Pakistan | 26-27 April 2010 |
| 8 | Ms. Ugyen Pem, Sr. Communication Officer | World telecommunication Development conference | Hydrabad, India | 24 May- 4 June 2010 |
| | | Training on Cognitive Radio Technology | Nonthaburi, Thailand | 18-22 October 2010 |
| 9 | Mr. Gangaram Ghimray, Comm. Officer | IPV6 Training | Thimphu | 22-26 November 2010 |
| 10 | Mr. Sonam Phuntsho, Comm. Officer | World RadioCommunications Seminar | Geneva, Switzerland | 6-10 December 2010 |
| 11 | Mrs. Chador Wangmo, Asst. HR Officer | ASEAN New Middle Mgt & Leadership | OCSC, Thailand | 17-25 May 2010 |

| | | | | |
|----|---|--|-----------------------|----------------------------|
| 12 | Mrs. Tshewang Choden, Asst Research Officer | 7th APT Standardization Programme forum | Bangkok, Thailand | 5-9 July 2010 |
| | | CPR South5 Conference | X'ian, China | 4-8 December 2010 |
| 13 | Ms. Sonam Lhamo, Asst ICT Officer | PHP/SQL Training course | Athang, Thimphu | 27March- 8 April 2010 |
| | | Young Scholar tutorial conference on communication policy, LIRNEasia | Singapore | 21-26 June 2010 |
| | | South Asain Network Operation Group Training)SANOG | Paro, Bhutan | 15-24 July 2010 |
| | | IPV6 Training | Thimphu | 6-10 December 2010 |
| 14 | Mr. Wangpo Dorji, Comm.Supervisor | ITU Regional workshop on IMT | Danang, Vietnam | 7-8 June 2010 |
| 15 | Mr. Pema Rinzin, Comm. Supervisor | Spectrum Management Workshop | Nepal | 19-20 August 2010 |
| 16 | Mrs. Deki, Office Assistant | Spectrum Management Workshop | Nepal | June 2009 |
| 17 | Mrs. Ambika Gurung, Comm. Tech.Supervisor | Spectrum Management Workshop | Nepal | 19-20 August 2010 |
| 18 | Tenzin Wangmo, Receptionist | Administration and Office Management | Phuentsholing, Bhutan | 8 November-4 December 2010 |

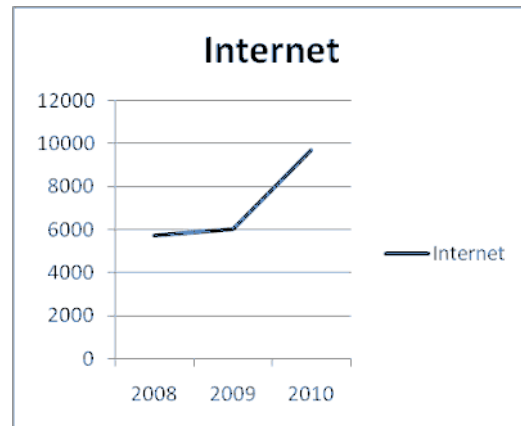
ANNEX G: ICT status – Subscriber growth

| Year | Fixed Telephone | Mobile Cellular | Internet |
|------|-----------------|-----------------|----------|
| 2008 | 27,937 | 294944 | 5726 |
| 2009 | 29,780 | 297587 | 6038 |
| 2010 | 26,266 | 377475 | 9697 |

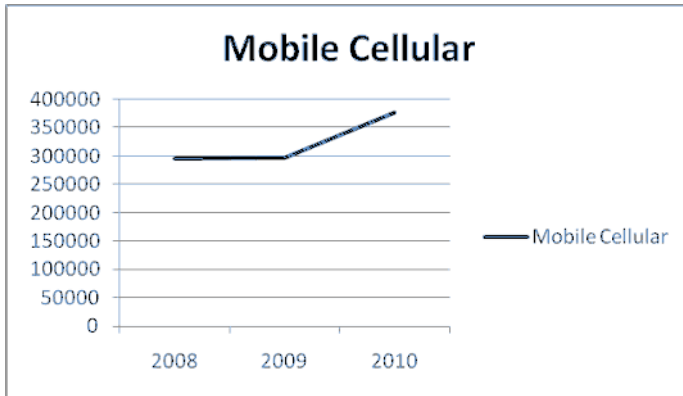
a. Trend of Fixed telephony Subscribers



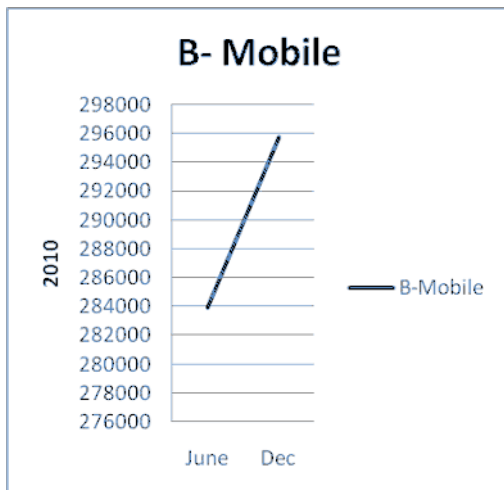
b. Growth of Internet Subscribers



c. Growth of Mobile cellular Subscrirbers



i. B-Mobile



ii. Tashi Cell

