

WRITINGS ON ICT AND RELATED
INFRASTRUCTURES:
A BIBLIOGRAPHY

Compiled by
Shailesh B. Pandey and Nischal Regmi



Martin Chautari

Writings on ICT and Related Infrastructures: A Bibliography

Compiled by Shailesh B. Pandey and Nischal Regmi

Preferred citation: Pandey, Shailesh B. and Nischal Regmi. 2017. Writings on ICT and Related Infrastructures: A Bibliography. Version 1.0. Available at www.martinchautari.org.np/files/bibliography/Writings-on-ICT-and-Related-Infrastructures_A-Bibliography_CBS-2017-2.pdf

Version: 1.0

First published at this site: April 2017

Copyright © Martin Chautari

Publisher

Martin Chautari

27 Jeetjung Marg, Thapathali

GPO Box 13470, Kathmandu, Nepal

Tel: +977-1-4238050/4102027; Fax: +977-1-4240059

chautari@mos.com.np

www.martinchautari.org.np

Chautari Bibliography Series: 2017-2

About the Compiler

Shailesh B. Pandey completed his PhD in Computer Science from University of York, UK in 2012. He was an Assistant Professor of Computer Science and Engineering at Nepal Engineering College from 2012–2014 and is currently a researcher at Martin Chautari. His most recent publication is a joint paper titled *A Regression Analysis into Nepali ICT's Energy Consumption and Its Implications* (2015). Email: pandey.shailesh@gmail.com

Nischal Regmi has M.Sc. with a focus on discrete optimization theory. He is keenly interested in mathematical modeling and has about a decade long experience in engineering education. Regmi is currently working on the socio-economic aspects infrastructures, specifically, Information and Communication Technologies. His research interests center around the dynamics of energy and ICTs. Email: nischalregmi108@gmail.com

Writings on ICT and Related Infrastructures: A Bibliography

This bibliography contains materials that we have found useful for our research. It will evolve during the research period. It is not meant to be a comprehensive bibliography on Nepali ICT infrastructure. We have not included newspaper articles that present facts and figures from publicly available reports and articles. Instead, we prefer including the original sources. Any newspaper article that presents exclusive information will also be included in the bibliography. An earlier extensive bibliography on Internet in Nepal covering materials up to December 2015 is available at Martin Chautari's website.¹ The current bibliography has an exclusive focus on infrastructure. However, some entries are common in both of the bibliographies.

This bibliography will be useful to: (i) assess the current policies and practices in the implementation of the Nepali IT infrastructure, (ii) do a cross-sector comparison (especially, with roads and hydropower) to identify the shaping factors in the dynamics of the infrastructure development and maintenance, and (iii) study bottom-up approaches for national IT infrastructure development plan. The references have been grouped into seven categories and contain academic publications, reports from development agencies, national regulators and relevant ministries, important news and datasets. Please send materials that can be included in any of the following categories. We can be reached at nischalregmi108@gmail.com and pandey.shailesh@gmail.com.

¹ See http://www.martinchautari.org.np/files/Writings_on_the_Internet_in_Nepal_A_Bibliography.pdf

The categories are:

1. ICT Infrastructure: Items are mostly related to ICT infrastructure for the developing countries, links of ICT with economic growth, cross country comparisons, case studies at national and local levels, rural infrastructure, and discussions of policy and regulatory regimes.
2. Non ICT-Infrastructure: This category focuses mainly on energy and road sectors. The development experiences in these two sectors are relevant to the ICT infrastructure ambitions. The items in this category are same as the first category.
3. History and Economics: This focus on methodological foundations of ICT infrastructure development, ICT innovation and diffusion, and productivity growth.
4. Pilot Studies and Technology assessments: This group focuses on bottom-up infrastructure development initiatives and assessments of various ICT components such as data centers, broadband infrastructure, and services.
5. Plans and Policies: Items contain policies and plans on broadband, ICT, and telecommunication. Currently, the documents listed are from the Ministry of Information and Communications, and National Planning Commission.
6. Data and Reports: Items lists reports mainly from Nepal Telecommunications Authority, Nepal Doorsanchar Company Limited, and Central Bureaus of Statistics Nepal. This section also includes import ICT indicators.

ICT INFRASTRUCTURE

Asian Development Bank (ADB). 2001. Information and Communication Technology (ICT) Strategies for Developing Countries. *ADB Institute Executive Summary Series No. S39/01*. Tokyo: ADB. Available at: www.adb.org/sites/default/files/publication/159129/adbi-ess39.pdf; accessed 21 March 2017.

Baskerville, Richard and Jan Pries-Heje. 2001. A Multiple-theory Analysis of a Diffusion of Information Technology Case. *Information Systems Journal* 11(3): 181–212.

Dawadi, Babu Ram and Subarna Shakya. 2016. ICT Implementation and Infrastructure Deployment Approach for Rural Nepal. In *Recent Advances in Information and Communication Technology 2016*. Phayung Meesad, Sirapat Boonkrong and Herwig Unger, eds., pp. 319–331. Cham: Springer.

Economic and Social Commission for Asia and the Pacific (ESCAP). 2016. A Pre-feasibility Study on the Asia-Pacific Information Superhighway in the ASEAN Sub-region: Conceptualization, International Traffic & Quality

- Analysis, Network Topology Design and Implementation Model. ESCAP, United Nations; and National Information Society Agency (NIA). Available at: www.unescap.org/sites/default/files/ASEAN%20report%20final.pdf; accessed 1 August 2016.
- ESCAP. 2016. State of ICT in Asia and the Pacific: Uncovering the Widening Broadband Divide. ESCAP, United Nations. Available at: www.unescap.org/sites/default/files/State%20of%20ICT%20in%20Asia%20and%20the%20Pacific%202016.pdf; accessed 6 March 2017.
- Farrington, John, Lorna Philip, Caitlin Cottrill, Pamela Abbott, Grant Blank and William H. Dutton. 2015. Two-Speed Britain: Rural Internet Use. Available at: http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2645771; accessed 21 March 2017.
- Fillip, Barbara and Dennis Foote. 2007. Making the Connection: Scaling Telecenters for Development. Available at: http://telecentres.mfep.gov.dz/fileadmin/user_upload/biblio_files/MakingConnections_Scaling_TCS.pdf; accessed 19 February 2017.
- Foster, Vivien and Cecilia Briceño-Garmendia. 2011. *Africa's ICT Infrastructure: Building on the Mobile Revolution*. Washington, D.C: The World Bank.
- Gómez, Ricardo. 2011. *Libraries, Telecentres, Cybercafes and Public Access to ICT: International Comparisons*. Pennsylvania: IGI Global. DOI: 10.4018/978-1-60960-771-5.
- Harris, Roger. 2001. Telecentres in Rural Asia: Towards a Success Model. Available at: www.share4dev.info/telecentreskb/documents/4125.pdf; accessed 19 February 2017.
- Lechman, Ewa. 2015. *ICT Diffusion in Developing Countries: Towards a New Concept of Technological Takeoff*. Cham: Springer.
- Lee, Yeong Ree. 2016. A Pre-feasibility Study on the Asia-Pacific Information Superhighway in the ASEAN Sub-region: Conceptualization, International Traffic & Quality Analysis, Network Topology Design and Implementation Model. ESCAP, United Nations; and National Information Society Agency (NIA). Available at: www.unescap.org/sites/default/files/ASEAN%20report%20final.pdf; accessed 1 August 2016.
- Liu, Chun. 2012. The Myth of Informatization in Rural Areas: The Case of China's Sichuan Province. *Government Information Quarterly* 29(1): 85–97. DOI: 10.1016/j.giq.2011.06.002.
- Maharjan, Harsha Man, Ramita Maharjan, Arjun Panthi, Shailesh Pandey and Prakriti KC. 2014. Writings on the Internet in Nepal: A Bibliography. [version 2; 18 December 2015]. Available at: www.martinchautari.org.np/

- files/Writings_on_the_Internet_in_Nepal_A_Bibliography.pdf; accessed 6 March 2017.
- Mansell, Robin and Uta Wehn. 1998. *Knowledge Societies: Information Technology for Sustainable Development*. New York: Oxford University Press.
- Martin Chautari. 2014. *Universal Connectivity in Nepal: A Policy Review*. Reserch Brief No. 12. Kathmandu: Martin Chautari.
- Martin Chautari. 2015. *Stakeholders for Universal Connectivity in Nepal*. Reserch Brief No. 15. Kathmandu: Martin Chautari.
- Martin Chautari. 2016. *Deliver Through Mobiles First*. Reserch Brief No. 18. Kathmandu: Martin Chautari.
- Martin Chautari. 2017. *The Quality Bottleneck*. Reserch Brief No. 19. Kathmandu: Martin Chautari.
- McGarty, Terrence P. and Ravi Bhagavan. 2002. Municipal Broadband Networks: A Revised Paradigm of Ownership. Available at: www.tricitybroadband.net/PDF%20files/MunicipalBroadbandNetworks.pdf; accessed 21 March 2017.
- Minges, Michael, Kaoru Kimura, Natasha Beschorner, Robert Davies and Guanqing Zhang. 2014. *Information and Communications in the Chinese Countryside: A Study of Three Provinces*. Washington, D.C.: The World Bank.
- Mukerji, Maitrayee. 2013. *ICTs and Development: A Study of Telecentres in Rural India*. Cham: Springer.
- Narayanan, Ajay, Akshay Jain and B. Bowonder. 2005. Providing Rural Connectivity Infrastructure: ICT Diffusion through Private Sector Participation. *International Journal of Services Technology and Management* 6(3-5): 416-436.
- Pandey, Shailesh and Yogesh Raj. 2016. Free Float Internet Policies of Nepal. *Studies in Nepali History and Society* 21(1): 1-60.
- Picot, Arnold and Christian Wernick. 2007. The Role of Government in Broadband Access. *Telecommunications Policy* 31(10-11): 660-674. DOI: 10.1016/j.telpol.2007.08.002.
- Regmi, Nischal and Shailesh B. Pandey. 2015. A Regression Analysis into Nepali ICT's Energy Consumption and Its Implications. IEEE Xplore, pp. 1-8. DOI: <https://doi.org/10.1109/SKIMA.2015>.
- Samarajiva, Rohan and Ayesha Zainudeen. 2008. *ICT Infrastructure in Emerging Asia: Policy and Regulatory Roadblocks*. Canada: International Development Research Center.
- Sandvig, Christian. 2013. The Internet as an Infrastructure. In *The Oxford Handbook of Internet Studies*. William H. Dutton, ed., pp. 86-108. Oxford: Oxford University Press.

- The World Bank. 2016. *World Development Report: Digital Dividends 2016*. Washington, D.C.: The World Bank.
- Tiwari, Meera and Uma Sharmistha. 2008. ICTs in Rural India User Perspective Study of Two Different Models in Madhya Pradesh and Bihar. *Science, Technology & Society* 13(2): 233–258.
- Wallet, Peter. 2014. Information and Communication Technology (ICT) in Education in Asia: A Comparative Analysis of ICT Integration and e-readiness in School across Asia. Montreal: UNESCO Institute for Statistics. Available at: www.uis.unesco.org/Communication/Documents/ICT-asia-en.pdf; accessed 6 March 2017.
- Whalley, Jason. 2006. Recent Developments in the Telecommunications Industry of Nepal. *info* 8(1): 57–71. DOI: 10.1108/14636690610643285.

- पन्थी, अर्जुन । २०७३ । ताडतिडमा इन्टरनेट आगमनको कथा । *समाज अध्ययन* ११: २५–४० ।
- महर्जन, हर्षमान र योगेश राज । २०७२ । इन्टरनेटसम्बन्धी नेपाली नीति : एक टिप्पणी । *मिडिया अध्ययन* १०: ११९–१४० ।
- मार्टिन चौतारी । २०७१ । नेपालमा सर्व-संयोजकतासम्बन्धी नीतिको समीक्षा । शोध-संक्षेप अंक १२ । काठमाडौं: मार्टिन चौतारी । www.martinchautari.org.np/files/ResearchBrief12-UniversalConnectivityInNepal_APolicyReview_NepVer.pdf मा उपलब्ध ।
- मार्टिन चौतारी । २०७२ । नेपालमा सर्व-संयोजकताका सरोकारवालाहरू । शोध-संक्षेप अंक १५ । काठमाडौं: मार्टिन चौतारी । www.martinchautari.org.np/files/ResearchBrief15-StakeholdersForUniversalConnectivityInNepal_NepaliVersion.pdf मा उपलब्ध ।
- मार्टिन चौतारी । २०७३ । *अवसरको रूपमा मोबाइल इन्टरनेट* । शोध-संक्षेप अंक १८ । काठमाडौं: मार्टिन चौतारी । www.martinchautari.org.np/files/ResearchBrief18Nepali.pdf मा उपलब्ध ।

NON-ICT INFRASTRUCTURE

- Andrés, Luis, Dan Biller and Matías Herrera Dappe. 2014. *Infrastructure Gap in South Asia: Infrastructure Needs, Prioritization, and Financing* (Policy Research Working Paper 7032). World Bank Group. Available at: <http://documents.worldbank.org/curated/en/504061468307152462/pdf/WPS7032.pdf>; accessed 6 March 2017.
- Ansar, Atif, Bent Flyvbjerg, Alexander Budzier and Daniel Lunn. 2016. Does Infrastructure Investment Lead to Economic Growth or Economic Fragility? Evidence from China. *Oxford Review of Economic Policy* 32(3): 360–390.

- Armev, Laura E. and Laura Hosman. 2016. The Centrality of Electricity to ICT Use in Low-income Countries. *Telecommunications Policy* (7): 617–627. DOI: 10.1016/j.telpol. 2015.08.005.
- Asian Development Bank (ADB). 2013. *Developing South Asia: Lessons and Insights*. Mandaluyong City: ADB.
- Bhattacharyay, Biswanath. 2010. *Estimating Demand for Infrastructure in Energy, Transport, Telecommunications, Water, and Sanitation in Asia and the Pacific: 2010-2020*. Tokyo: ADB Institute.
- Bhattacharyay, Biswa N., Masahiro Kawai and Rajat Nag. 2012. *Infrastructure for Asian Connectivity*. Cheltenham: Edward Elgar Publishing.
- Bhooshan, B.S. 1979. *The Development Experience of Nepal*. New Delhi: Concept Publishing Company.
- Government of Nepal (GoN). 2015. *Compendium of Environmental Statistics Nepal 2015*. Kathmandu: Central Bureau of Statistics. Available at: <http://cbs.gov.np/image/data/2016/Compendium%20of%20Environment%20Statistics%20Nepal%202015.pdf>; accessed January 15, 2017.
- Infrastructure Development Finance Company. 2011. *India Infrastructure Report 2011*. New Delhi: Oxford University Press.
- Plummer, Michael G., Peter J. Morgan, and Ganeshan Wignaraja. 2016. *Connecting Asia: Infrastructure for Integrating South and Southeast Asia*. Cheltenham: Edward Elgar Publishing.
- Zhai, Fan. 2010. The Benefits of Regional Infrastructure Investment in Asia: A Quantitative Exploration. ADBI Working Paper Series. Available at: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=1638786; accessed 28 March 2017.

HISTORY AND ECONOMICS

- Bhandari, Pitambar. 2010. Potential Output and Output Gap in Nepal. *Economic Review: Occasional Paper* 22: 40–56.
- Caselli, Francesco. 2005. Accounting for Cross-country Income Differences. In *Handbook of Economic growth* (Volume 1, Part A). Philippe Aghion and Steven N. Durlauf, eds., pp. 679–741. Amsterdam: North Holland.
- Dixit, Ashutosh Mani. 2017. Infrastructure Finance Strategies for Sustainable Development in Nepal. Available at: www.npc.gov.np/images/category/National_Study_-_Final_-_20170301_-_NPC.pdf; accessed 6 March 2017.
- Hall, Robert E. and Charles I. Jones. 1999. Why do Some Countries Produce So Much More Output Per Worker Than Others? *The Quarterly Journal of Economics* 114(1): 83–116.

- Höffler, Felix. 2007. Cost and Benefits from Infrastructure Competition. Estimating Welfare Effects from Broadband Access Competition. *Telecommunications Policy* 31(6–7): 401–418. DOI: 10.1016/j.telpol.2007.05.004.
- Inderst, Georg. 2016. Infrastructure Investment, Private Finance, and Institutional Investors: Asia from a Global Perspective. ADBI Working Paper Series. Available at: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2721577; accessed 6 March 2017.
- Kretschmer, Tobias. 2012. Information and Communication Technologies and Productivity Growth. *OECD Digital Economy Papers* 195. Available at: www.oecd-ilibrary.org/docserver/download/5k9bh3jllgs7-en.pdf?expires=1492681716&id=id&accname=guest&checksum=3712E7DE4CDA08C56745159F5034416A ; accessed 20 April 2017
- McCloskey, Deirdre N. 2010. *Bourgeois Dignity: Why Economics Can't Explain the Modern World*. Chicago: University of Chicago Press.
- Rajaraman, Vaidyeswaran. 2012. *History of Computing in India (1955–2010)*. Washington, D.C.: IEEE Computer Society.
- Ramachander, Sangamitra. 2016. The Price Sensitivity of Mobile Use Among Low Income Households in Six Countries of Asia. *Telecommunications Policy* 40(7): 673–691. DOI: 10.1016/j.telpol.2016.01.009.
- Robinson, Sandra. 2009. Innovation Diffusion and Technology Transfer. Available at: www.sscqueens.org/sites/default/files/2009-05-Robinson-ABII.pdf; accessed 29 March 2017.

पंगेनी, भवेश्वर, सं। २०७२ । नेपालमा दूरसञ्चार सेवाको इतिहास (वि.सं. १९७३–२०७२) । काठमाडौँ : नेपाल दूरसञ्चार कम्पनी लिमिटेड ।

PILOT STUDIES AND TECHNOLOGICAL ASSESSMENTS

- Barcelo, Jaume, Boris Bellalta, Roger Baig, Ramon Roca, Albert Domingo, Luis Sanabria, Cristina Cano and Miquel Oliver. 2012. Bottom-up Broadband Initiatives in the Commons for Europe Project. Available at: <https://arxiv.org/pdf/1207.1031.pdf>; accessed 22 March 2017.
- Brady, Gemma A., Nikil Kapur, Jonathan L. Summers and Harvey M. Thompson. 2013. A Case Study and Critical Assessment in Calculating Power Usage Effectiveness for a Data Centre. *Energy Conversion and Management* 76: 155–161.
- Carle, Georg, Jochen Schiller, Steve Uhlig, Walter Willinger and Matthias Wählisch. 2013. The Critical Internet Infrastructure (Dagstuhl Seminar

- 13322). Available at: http://drops.dagstuhl.de/opus/volltexte/2013/4341/pdf/dagrep_v003_i008_p027_s13322.pdf; accessed 22 March 2017.
- Devkota, Rosan Raj. 2010. *Interests and Power as Drivers of Community Forestry*. Göttingen: Universitätsverlag Göttingen.
- Foster, Chris and Richard Heeks. 2013. Innovation and Scaling of ICT for the Bottom-of-the-pyramid. *Journal of Information Technology* 28(4): 296–315.
- Garnier, Christophe. 2012. Data Centre Life Cycle Assessment Guidelines. Available at: <http://on365.co.uk/files/3714/3203/1600/Data-Centre-Life-Cycle-Assessment-Guidelines.pdf>; accessed 29 March 2017.
- Gupta, M.P. and Debashish Jana. 2003. E-government Evaluation: A Framework and Case Study. *Government Information Quarterly* 20(4): 365–387.
- Hanseth, Ole. 2005. Local Actors Build Broadband Infrastructure. Available at: <http://aisel.aisnet.org/cgi/viewcontent.cgi?article=1148&context=ecis2005>; accessed 29 March 2017.
- LaRose, Robert, Sharon Strover, Jennifer L. Gregg and Joseph Straubhaar. 2011. The Impact of Rural Broadband Development: Lessons from a Natural Field Experiment. *Government Information Quarterly* 28(1): 91–100. DOI: 10.1016/j.giq.2009.12.013.
- Mittal, Surabhi. 2016. Role of Mobile Phone-Enabled Climate Information Services in Gender-inclusive Agriculture. *Gender, Technology and Development* 20(2): 200–217. DOI: 10.1177/0971852416639772.
- Murray, Una, Zewdy Gebremedhin, Galina Brychkova and Charles Spillane. 2016. Smallholder Farmers and Climate Smart Agriculture: Technology and Labor-productivity Constraints amongst Women Smallholders in Malawi. *Gender, Technology and Development* 20(2): 117–148. DOI: 10.1177/0971852416640639.
- Powell, Alison. 2008. Co-productions of Technology, Culture and Policy in North America's Community Wireless Networking Movement. Available at: <http://spectrum.library.concordia.ca/975220/>; accessed 29 March 2017
- Putilina Zorina, Aljona. 2012. Technology and Infrastructure Co-creation from the Bottom-up: Institutional, Sociomaterial, Improvisational and Symbolic Accounts from the Field: The Case of Grassroots Internet Infrastructure Development in Belarus. Available at: www.theses.fr/2012ESECO001.pdf; accessed 29 March 2017.
- Whitehead, Beth, Deborah Andrews and Amip Shah. 2015. The Life Cycle Assessment of a UK Data Centre. *The International Journal of Life Cycle Assessment* 20(3): 332–349.

- Williams, Idongesit. 2016. Co-Financing of Bottom-Up Approaches Towards Broadband Infrastructure Development. *Nordic and Baltic Journal of Information and Communications Technologies* 1: 39–64.
- Yan, Guanhua, Stephan Eidenbenz, Sunil Thulasidasan, Pallab Datta, and Venkatesh Ramaswamy. 2010. Criticality Analysis of Internet Infrastructure. *Computer Networks* 54(7): 1169–1182.

PLANS AND POLICIES

- Government of Nepal (GoN). 1992. *Eighth Plan*. Kathmandu: National Planning Commission (NPC). Available at: www.npc.gov.np/images/category/eighth_eng.pdf; accessed 6 March 2017.
- GoN. 1997. *Ninth Plan*. Kathmandu: NPC. Available at: www.npc.gov.np/images/category/ninth_eng_2.pdf; accessed 6 March 2017.
- GoN. 2002. *Tenth Plan*. Kathmandu: NPC. Available at: www.npc.gov.np/images/category/10th_eng.pdf; accessed 6 March 2017.
- GoN. 2007. *Eleventh Plan*. Kathmandu: NPC. Available at: www.npc.gov.np/images/category/11tyip_eng.pdf. Accessed 6 March 2017.
- GoN. 2010. *Ten Year Master Plan (2011–2020A.D.) For The Development of Telecommunications Sector in Nepal*. Kathmandu: Nepal Telecommunication Authority.
- GoN. 2013. *ICT in Education Master Plan 2013-2017*. Available at: [www.moe.gov.np/assets/uploads/files/ICT_MP_2013_\(Final\).pdf](http://www.moe.gov.np/assets/uploads/files/ICT_MP_2013_(Final).pdf); accessed 6 March 2017.
- नेपाल सरकार । २०७३ । चौधौँ योजना । www.npc.gov.np/images/category/14th-plan-full-document.pdf मा उपलब्ध; १ चैत २०७३ मा हेरिएको ।
- नेपाल सरकार । २०७१ । तेहौँ योजना । www.npc.gov.np/images/category/13th-Plan.pdf मा उपलब्ध; १ चैत २०७३ मा हेरिएको ।
- नेपाल सरकार । २०६८ । त्रिवर्षीय योजना । www.npc.gov.np/images/category/TYP_2012.pdf मा उपलब्ध; १ चैत २०७३ मा हेरिएको ।
- नेपाल सरकार । २०७१ । ब्रोडब्याण्ड नीति । www.moic.gov.np/upload/documents/broadband_policy_2071.pdf मा उपलब्ध; २०७३ चैत १ मा हेरिएको ।
- नेपाल सरकार । २०७२ । सूचना तथा सञ्चार प्रविधि नीति । www.moic.gov.np/upload/documents/ict_policy_2072.pdf मा उपलब्ध; २०७३ चैत्र १ मा हेरिएको ।

DATA AND REPORTS

- CBS. 2012. Nepal - Nepal Living Standards Survey 2010-2011, NLSS Third. Available at: <http://cbs.gov.np/nada/index.php/catalog/37>; accessed 6 March 2017.
- CBS. 2015. Nepal - National Population and Housing Census 2011, Marks 100 Years of Census Taking in Nepal. Available at: <http://cbs.gov.np/nada/index.php/catalog/54>; accessed 6 March 2017.
- GoN. MIS Reports. Available at: www.nta.gov.np/en/mis-reports-en; accessed 6 March 2017.
- ITU. ICT Development Index 2016. Available at: www.itu.int/net4/ITU-D/idi/2016/; accessed March 6, 2017.
- Nepal Rastra Bank (NRB). 2016. *Household Budget Survey 2014/15*. Kathmandu: NRB.
- Nepal Telecommunications Authority (NTA). 2073 v.s. *Annual Report 2073*. Kathmandu: NTA.
- NTA. 2069 v.s. *Annual Report 2069*. Kathmandu: NTA.
- NTA. n.d. Management Information System Report Series. Available at: www.nta.gov.np/en/mis-reports-en; accessed 10 April 2073.
- NDCL. 2015. *Nepal Doorsanchar Company Limited - Annual Report 2014-15*. Available at: www.ntc.net.np/publication/annualreport/annual_report07172_eng.pdf; accessed 6 March 2017.
- UNDP. 2009. *Nepal Human Development Report 2009*. United Nations Development Programme (UNDP). Available at: www.npc.gov.np/images/category/UNDP_NP_Nepal_Human_Development_Report_2009.pdf; accessed 6 March 2017.
- UNDP and GoN. 2014. *Nepal Human Development Report 2014*. Available at: www.npc.gov.np/images/category/NHDR_Report_20141.pdf; accessed 6 March 2017.