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Figure 1- Annual cost, 2Mbps, 2km DPLC (tail cost)

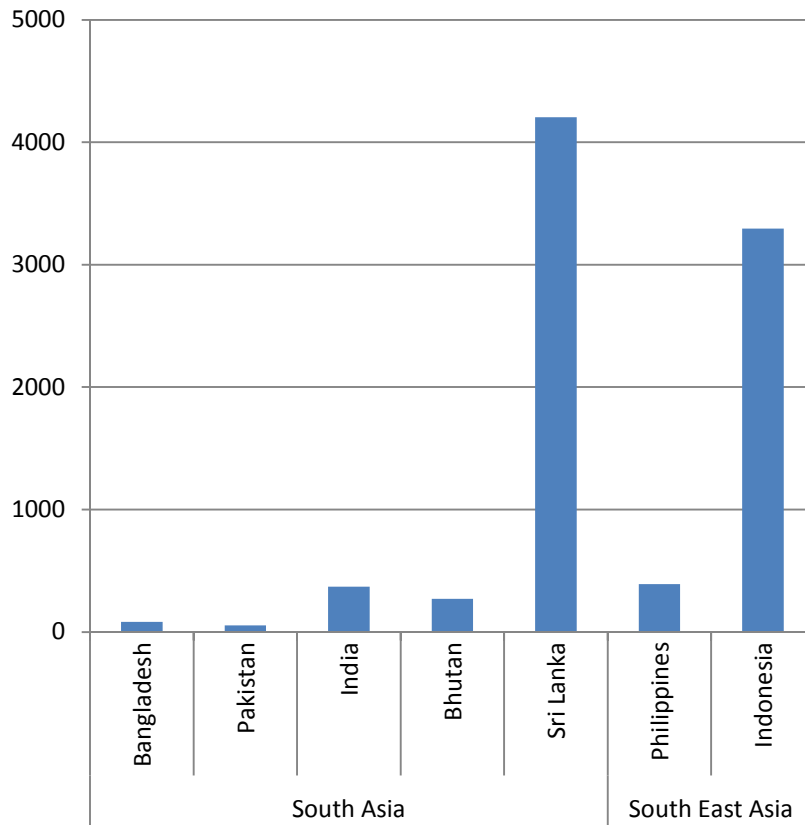
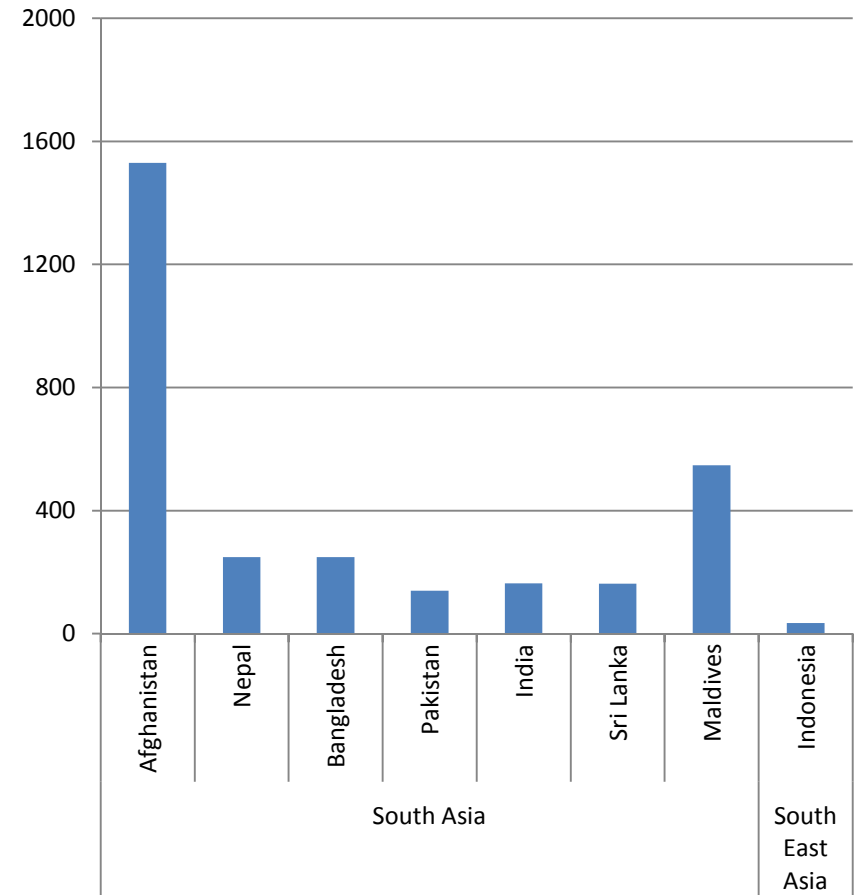


Figure 2 - Annual cost, 512kbps Broadband (unlimited downloads)



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Table 1- Broadband Prices in Emerging Asia (USD¹)

Country ²	Whole sale packages		Fixed broadband retail packages				USB-Dongle based broadband retail packages				Value of 1 USD in local currency as at August 30, 2011 ⁵
	Annual cost, 2Mbps, 2km DPLC (tail cost)	Annual cost, 2Mbps, 100km DPLC	Annual cost, 2Mbps Broadband (unlimited download)	Annual cost, 512kbps Broadband (unlimited download)	Annual cost, 256kbps Broadband (unlimited download)	Price per GB (lowest cost, limited download) ³	Annual cost, 2Mbps Broadband (unlimited download)	Annual cost, 512kbps Broadband (unlimited download)	Annual cost, 256kbps Broadband (unlimited download)	Price per GB (lowest cost, limited download) ⁴	
South Asia											
Afghanistan	⁶	N/A	N/A	1,531 ⁷	765 ⁸	⁹	N/A	N/A	510 ¹⁰	N/A	47
Nepal	9935 ¹¹		N/A	248 ¹²	149 ¹³	3 ¹⁴	N/A	N/A	N/A	N/A	72
Bangladesh	83 ¹⁵	3,741 ¹⁶	N/A	249 ¹⁷	150 ¹⁸	1 ¹⁹	873 ²⁰	208 ²¹	N/A	2 ²²	72
Pakistan ²³	54 ²⁴	2,720 ²⁵	210 ²⁶	140 ²⁷	112 ²⁸	3 ²⁹	336 ³⁰	168 ³¹	168 ³²	1 ³³	86
India	370 ³⁴	3,842 ³⁵	1,959 ³⁶³⁷	163 ³⁸	109 ³⁹	5 ⁴⁰	248 ⁴¹	N/A	130 ⁴²	1 ⁴³	46
Bhutan	271 ⁴⁴	2,643 ⁴⁵	783 ⁴⁶⁴⁷	N/A ⁴⁸⁴⁹	N/A	4 ⁵⁰	N/A	N/A	N/A	N/A	46
Sri Lanka	4,371 ⁵¹	9,878 ⁵²	534 ⁵³	163 ⁵⁴	N/A	3 ⁵⁵	54 ⁵⁶	N/A	N/A	2 ⁵⁷	110
Maldives ⁵⁸	10659 ⁵⁹		158 ⁶⁰	547 ⁶¹	N/A	3 ⁶²	N/A	N/A	N/A	11 ⁶³	15
South East Asia											
Philippines ⁶⁴ ₆₅	392 ⁶⁶	N/A	566 ⁶⁷	N/A	N/A	N/A	283 ⁶⁸	N/A	N/A	12 ⁶⁹	42
Indonesia	3,296 ⁷⁰	9,283 ⁷¹	1,404 ⁷²	35 ⁷³	N/A	N/A ⁷⁴	N/A	141 ⁷⁵	71 ⁷⁶	12 ⁷⁷	8,503
Thailand ^{78 79}	1471 ⁸⁰		240 ⁸¹	N/A	N/A	N/A	320 ⁸²	N/A	N/A	12 ⁸³	30

¹ Prices originally quoted in local currency have been converted into USD using exchange rates shown in the final column.

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- ² Countries are ordered in ascending order of GDP per capita for South and South East Asia respectively. IMF Link: <http://www.imf.org/external/pubs/ft/weo/2011/01/weodata/weorept.aspx?sy=2008&ey=2011&scsm=1&ssd=1&sort=country&ds=.&br=1&pr1.x=56&pr1.y=14&c=512%2C558%2C513%2C564%2C514%2C566%2C524%2C534%2C578%2C536%2C556&s=NGDPDPC&grp=0&a=>
- ³ Least cost 256 kbps limited packages are used to calculate the price per GB. In the event 256 kbps packages are not on offer, then the next highest (512 kbps) is used
- ⁴ Least cost 256 kbps limited packages are used to calculate the price per GB. In the event 256 kbps packages are not on offer, then the next highest (512 kbps) is used
- ⁵ Currency conversion from <http://www.oanda.com/currency/converter/> as at 30th August 2011
- ⁶ Domestic Leased Line prices were obtained via the TRE study in 2010 (Prices for proposed Optical Fiber ring network was USD 450 - USD 22,500). Revised prices are not publicly available.
- ⁷ Afghan telecom broadband package of speeds 512 kbps download/256 kbps upload. AFN 6000 per month <http://www.afghantelecom.af/?page=DSL-Internet>
- ⁸ Afghan telecom broadband package of speeds 256 kbps download/128 kbps upload. AFN 3000 per month <http://www.afghantelecom.af/?page=DSL-Internet>
- ⁹ Price per GB cannot be calculated as the data limit of the 256 kbps package is not specified
- ¹⁰ Afghan Telecom Air Card. USB device speed is up to 230 kbps. AFN 2000 per month <http://www.afghantelecom.af/?page=Usb-wirless>
- ¹¹ Domestic Leased Lines prices are not differentiated by distance, only by speed. Hence the same price for both packages. http://www.ntc.net.np/internet/lease/le_tariff.php
- ¹² Nepal Telecom. 512 kbps unlimited packages are not on offer. Therefore the tariff quoted is for the 384 kbps packages http://www.ntc.net.np/internet/adsl/adsl_tariffPlans.php
- ¹³ Nepal Telecom. 256 kbps unlimited packages are not on offer. Therefore the tariff quoted is for the 192 kbps http://www.ntc.net.np/internet/adsl/adsl_tariffPlans.php
- ¹⁴ The price per GB was calculated based on a 512 kbps, 3 month package with a data limit of 9 GB http://www.ntc.net.np/internet/adsl/adsl_tariffPlans.php
- ¹⁵ Domestic Leased Line prices have a minimum and maximum value. We have quoted the latter. Domestic Leased Line prices have been obtained via the BTRC circulated document dated November 2008. It seems like the prices have not been revised since then (or the web site has not been updated) http://www.btrc.gov.bd/tariffs/nov_08_notification_on_domestic_transmission_rental_charges.pdf
- ¹⁶ Domestic Leased Line prices have a minimum and maximum value. We have quoted the latter. Domestic Leased Line prices have been obtained via the BTRC circulated document dated November 2008. It seems like the prices have not been revised since then (or the web site has not been updated) http://www.btrc.gov.bd/tariffs/nov_08_notification_on_domestic_transmission_rental_charges.pdf
- ¹⁷ BTCL, Bcube (ADSL Broadband Internet) Infinity-512 package. Maximum speed of 512 kbps and Tk. 1500 per month. <http://www.btcl.gov.bd/rate/rate.htm#bcube>
- ¹⁸ BTCL, Bcube (ADSL Broadband Internet) Infinity-256 package. Maximum speed of 256 kbps and Tk. 900 per month. <http://www.btcl.gov.bd/rate/rate.htm#bcube>

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¹⁹ BTCL, Bcube (ADSL Broadband Internet) Standard package. Maximum speed of 256 kbps, data limit of 5GB and Tk. 500 per month.

<http://www.btcl.gov.bd/rate/rate.htm#bcube>

²⁰ Banglalion Postpaid Plans, Expedition King package. Speed of 2Mbps and Tk.5250 per month. <http://www.banglalionwimax.com/index.php/products-a-services/postpaid-plans>

²¹ Banglalion Postpaid Plans, Safari King package. Speed of 512 kbps and Tk.1250 per month. <http://www.banglalionwimax.com/index.php/products-a-services/postpaid-plans>

²² Banglalion Postpaid Plans, Safari 4.5 package. Speed of 512 kbps, with a data limit of 4.5GB and Tk.650 per month.

<http://www.banglalionwimax.com/index.php/products-a-services/postpaid-plans>

²³ Prices quoted for Mobile Broadband are packages offered by Wi-Tribe, except for the 256 Kbps unlimited download offered by PTCL. Hence, the indifference in prices of the 256 Kbps and 512 Kbps packages

²⁴ Each kilometer between 0 -200km is PKR 2333. Hence price quoted is 2*2333PKR. http://www.ntc.net.pk/tariffleasing.asp?menu_id=03

²⁵ Each kilometer between 0 -200km is PKR 2333. Hence price quoted is 100*2333PKR http://www.ntc.net.pk/tariffleasing.asp?menu_id=03

²⁶ PTCL broadband packages DSL-2MB unlimited package. Speed of 2Mbps and PKR 1499 per month.

http://www.ptcl.com.pk/related_pages.php?pd_id=111&rp_id=28

²⁷ National telecommunication Corporation, Internet DSL NTC -512K package. Speed of 512 kbps and PKR 1000 per month

http://www.ntc.net.pk/tariffInternet.asp?menu_id=03

²⁸ National telecommunication Corporation, Internet DSL NTC -256K package. Speed of 256 kbps and PKR 800 per month

http://www.ntc.net.pk/tariffInternet.asp?menu_id=03

²⁹ PTCL National Package (256kbps). Speed 256 kbps and PKR 299 per month http://www.ptcl.com.pk/related_pages.php?pd_id=111&rp_id=160

³⁰ Wi-Tribe Endless 2Mbps package. Speed of 2Mbps and PKR 2400 per month <http://www.wi-tribe.pk/products-services/consumer-packages/tariff-guide/>

³¹ Wi-Tribe Endless 512 kbps package. Speed of 512 kbps and PKR 1200 per month <http://www.wi-tribe.pk/products-services/consumer-packages/tariff-guide/>

³² PTCL Non-Pstn (256 Kbps) package. Speed of 256 kbps and PKR 1199 per month http://www.ptcl.com.pk/pd_content.php?pd_id=268

³³ Wi-Tribe Starter 256 kbps package. Speed of 256 kbps, data limit of 8GB and PKR 650 per month <http://www.wi-tribe.pk/products-services/consumer-packages/tariff-guide/>

³⁴ BSNL 2Mbps 5km distance http://bsnl.co.in/service/leased_tariff.htm#high

³⁵ BSNL 2Mbps 100km distance http://bsnl.co.in/service/leased_tariff.htm#high

³⁶ 2 Mbps package is for Home and Business users, hence the big price difference between that and the 512 Kbps package which is for Home users only.

³⁷ BSNL standalone unlimited BBG UL 9000 package. Speed of 2 Mbps and INR 90000 annually.

http://www.bsnl.co.in/service/new_BB/BB_Standalone_unlim.htm

³⁸ BSNL plans for home users BB Home Combo UL 750 package. Speed of 512 kbps and INR 7500 annually.

http://www.bsnl.co.in/service/new_BB/BB_home_only_unlim.htm

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³⁹ BSNL plans for home users BB Home Combo UL 499 package. Speed of 256 kbps and INR 4990 annually.

http://www.bsnl.co.in/service/new_BB/BB_home_only_unlim.htm

⁴⁰ BSNL standalone limited BBG 250 package. Speed of upto 2 Mbps and INR 2500 annually. http://www.bsnl.co.in/service/new_BB/BB_Standalone_lim.htm

⁴¹ Reliance Silver Unlimited package. Download speeds up to 3.1 Mbps, 5GB data limit after which speed reduces to 144 Kbps INR 950 per month.

http://www.rcom.co.in/Rcom/personal/internet/wireless_internet.html

⁴² Reliance prepaid plans BrdBnd8GDy15GNgt500 package. Maximum speed of 256 kbps and anytime/day usage 8GB and night usage 15 GB

http://www.rcom.co.in/Rcom/personal/internet/wireless_internet.html

⁴³ Reliance prepaid plans BrdBnd8GDy15GNgt500 package. Maximum speed of 256 kbps and anytime/day usage 8GB and night usage 15 GB

http://www.rcom.co.in/Rcom/personal/internet/wireless_internet.html

⁴⁴ BICMA leased line prices BTN 1247 for 5km <http://www.bicma.gov.bt/paper/Tarrifforder2009.pdf>

⁴⁵ BICMA leased line prices BTN 12152 for 100km <http://www.bicma.gov.bt/paper/Tarrifforder2009.pdf>

⁴⁶ No unlimited plans on offer. The 2 Mbps package has a data limit of 15 GB

⁴⁷ Druknet Enterprise package. Upto 2 Mbps for 15 GM 2999 per month <http://www.druknet.bt/broadband/>

⁴⁸ No unlimited plans on offer. The 512 kbps package has a data limit of 2.5 GB

⁴⁹ Druknet Home package. Upto 512 kbps for 2.5 GM 499 per month <http://www.druknet.bt/broadband/>

⁵⁰ Druknet Home package. Upto 512 kbps for 2.5 GM 499 per month <http://www.druknet.bt/broadband/>

⁵¹ The tariff used was sent by a customer service agent in February 2010

⁵² The tariff used was sent by a customer service agent in February 2010

⁵³ SLT. Web Pro. 2Mbps Download / 512 Kbps Upload, 35 GB data limit. Rs 4890 per month. http://www.slt.lk/broadband/package_flat.html

⁵⁴ SLT. Web Mate. 512 Kbps Download / 128 Kbps Upload, 18 GB data limit. Rs 1490 per month. http://www.slt.lk/broadband/package_flat.html

⁵⁵ SLT. Entrée. 1 Mbps Download / 128 Kbps Upload, 1.5 GB data limit. Rs 500 per month. http://www.slt.lk/broadband/package_e.html

⁵⁶ Dialog. Lite. Upto 3.6 Mbps, 2 GB data limit. Rs 490 per month. <http://www.dialog.lk/personal/broadband/hspa/packages/internet-on-your-laptop-pc/postpaid/>

⁵⁷ Dialog. Lite. Upto 3.6 Mbps, 2 GB data limit. Rs 490 per month. <http://www.dialog.lk/personal/broadband/hspa/packages/internet-on-your-laptop-pc/postpaid/>

⁵⁸ Domestic Leased Line prices are one trunk link plus one distribution link. No differentiation by distance.

⁵⁹ Dhiraagu. Domestic Leased Line prices = 1 Trunk link + 1 Distribution link. No differentiation by distance. <http://www.dhiraagu.com.mv/tariffs/leased.php#1>

⁶⁰ Dhiraagu. Home Plus 2Mbps, 5 GB data limit. Rf 199 per month. http://www.dhiraagu.com.mv/internet/best_package.php

⁶¹ Dhiraagu. Home Unlimited 512Kbps. Rf 690 per month. http://www.dhiraagu.com.mv/internet/best_package.php

⁶² Dhiraagu. Home Starter. 1 Mbps, 3GB data limit. Rf 120 per month. http://www.dhiraagu.com.mv/internet/best_package.php

⁶³ Dhiraagu Touch net post paid. Upto 7.2 Mbps and 1 GB data limit for MVR 160 http://www.dhiraagu.com.mv/mobile/mobile_broadband/

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⁶⁴ For fixed broadband the speeds are up to 3 Mbps

⁶⁵ For mobile broadband it is a 2GB data limit

⁶⁶ Domestic Leased Line prices quoted are from February 2008 <http://lirneasia.net/wp-content/uploads/2008/07/broadband-benchmarks-dimuthu1.pdf>

⁶⁷ Globe. Peso 999 per month. <http://tattoo.globe.com.ph/shop>

⁶⁸ PLDT. XCite 2Mbps. Peso 1995 per month. <http://www.pldt.com.ph/products/consumers/internet/Pages/myDSL.aspx>

⁶⁹ Smart. Always On 995. 2GB data limit. Peso 995 per month. <http://smart.com.ph/bro/services/alwayson.htm>

⁷⁰ Domestic Leased Line prices quoted are from October 2010 broadband price benchmark report. http://lirneasia.net/wp-content/uploads/2010/10/LIRNEasia-Broadband-prices-EmergingAsia-Oct-2010_V2.pdf

⁷¹ Domestic Leased Line prices quoted are from October 2010 broadband price benchmark report. http://lirneasia.net/wp-content/uploads/2010/10/LIRNEasia-Broadband-prices-EmergingAsia-Oct-2010_V2.pdf

⁷² Telkom. Paket Executive (Unlimited) 2Mbps Download / 512 Kbps Upload. Rupia 995,000 per month.

<http://www.telkom.co.id/products-services/personal/internet/speedy.html>

⁷³ Telkom Paket Load (Semi-Unlimited) 512Kbps Download / 256 Kbps Upload. Speeds drop to 128Kbps after 3GB data limit is reached. Rupia 295,000 per month. <http://www.telkom.co.id/products-services/personal/internet/speedy.html>

⁷⁴ Unable to calculate price per GB since packages are limited by time (hours) as well

⁷⁵ Indosat. Paket Browser Bulanan, 1 Mbps, 1GB data limit. Rupia 100,000. <http://www.indosat.com/internet>

⁷⁶ Indosat. Paket Gaul Bulanan, 384 Kbps, 500MB data limit. Rupia 50,000. <http://www.indosat.com/internet>

⁷⁷ Indosat. Paket Browser Bulanan, 1 Mbps, 1GB data limit. Rupia 100,000. <http://www.indosat.com/internet>

⁷⁸ For fixed broadband the minimum speed is 7 Mbps and all plans are unlimited

⁷⁹ For mobile broadband the unlimited package speed drops from 3G speeds to 384 Kbps after 3GB transfer/month

⁸⁰ Domestic Leased Line prices are not differentiated by distance. Prices were received via email from the researcher in Thailand

⁸¹ True Online. 7 Mbps Download / 512 Kbps Upload. Baht 599 per month. <http://www.trueonline.com/th/product/customer.php>

⁸² AIS Mobile Internet. Unlimited package. 3G speeds, that drop 384 Kbps after a 3GB data limit. Baht 799 per month. <http://www.ais.co.th/vas/datatips/th/>

⁸³ AIS Mobile Internet. Limited 1GB package. Baht 350 per month. <http://www.ais.co.th/vas/datatips/th/>