

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

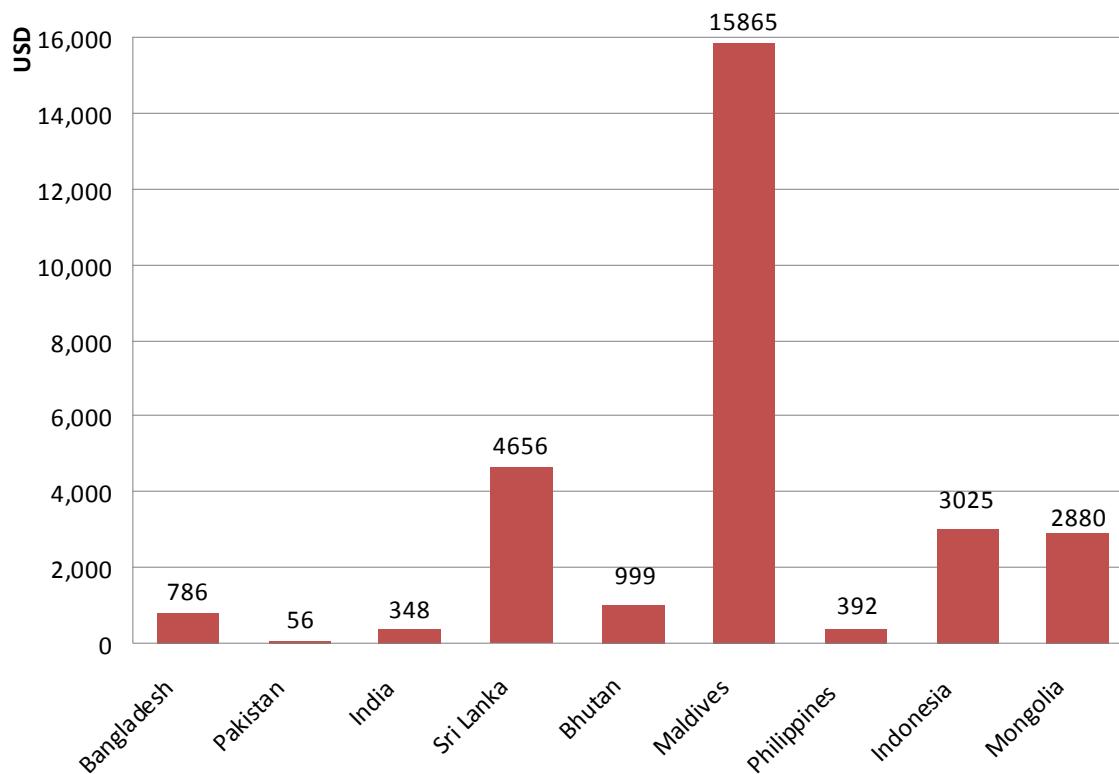


Figure 2 - Annual cost, 2Mbps Broadband business connection (unlimited download)

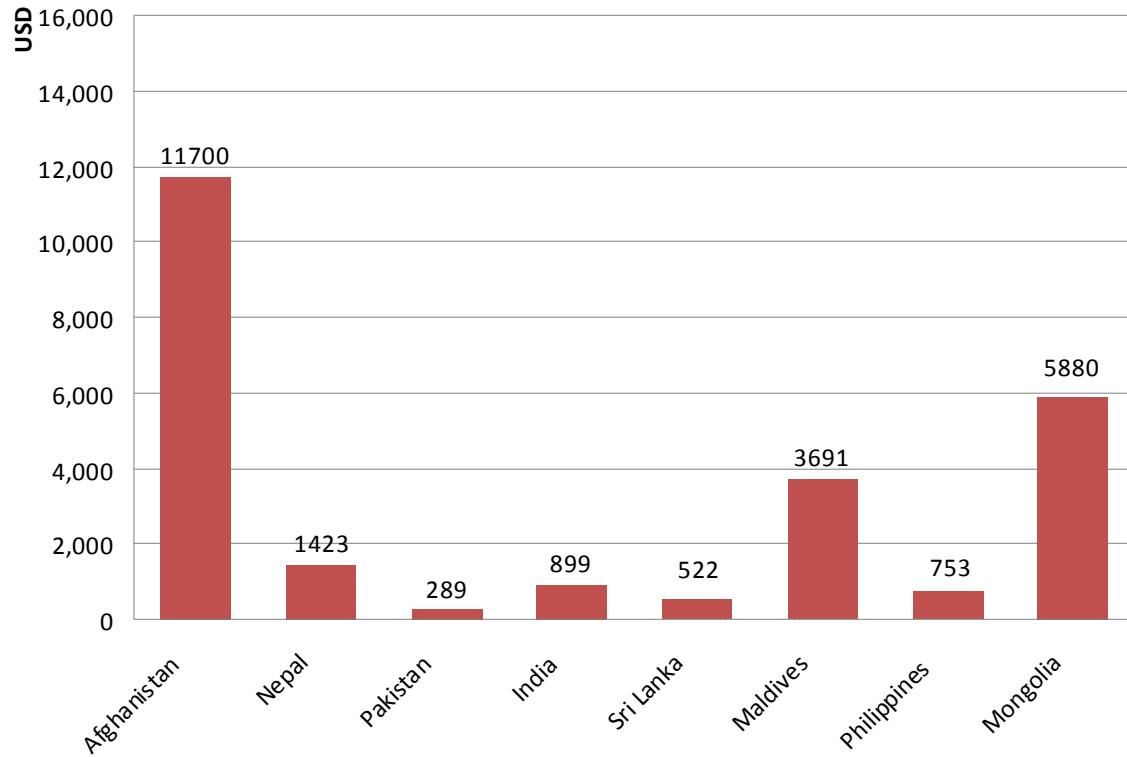


Figure 3 - Annual cost, 256kbps Broadband residential connection (unlimited download)

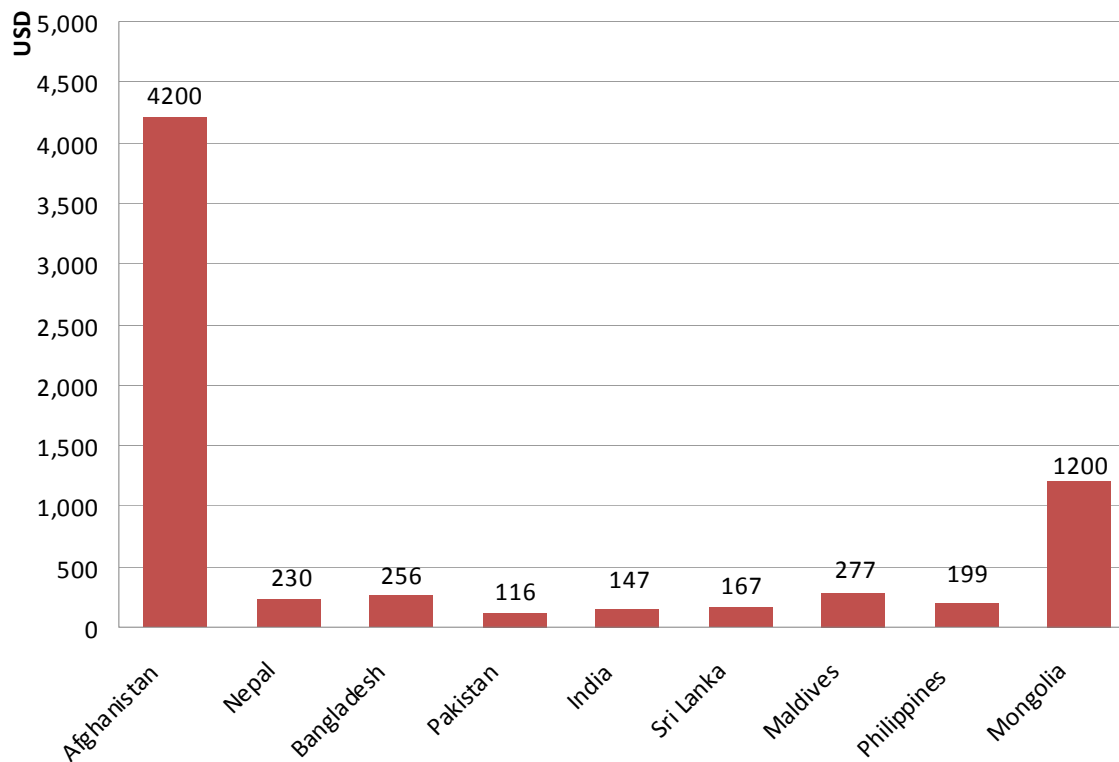


Figure 4 -Annual cost, 2Mbps, 2km DPLC (tail cost), USD adjusted for PPP<sup>1</sup>

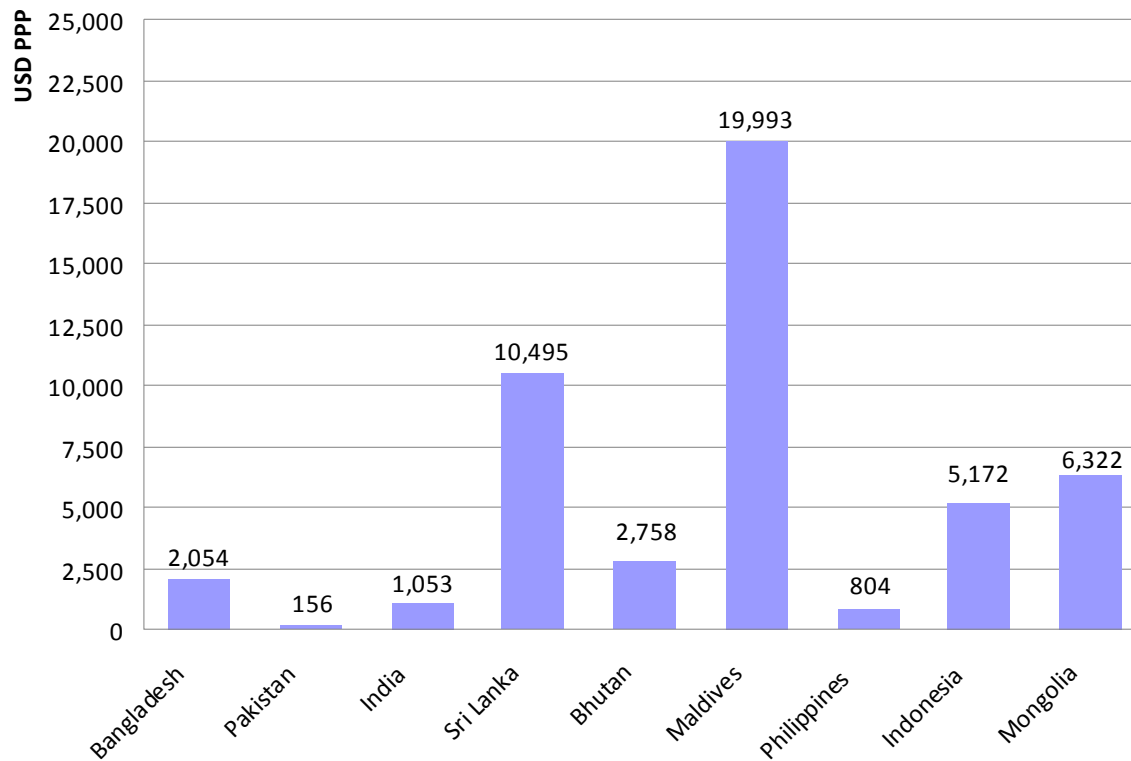


Figure 5 - Annual cost, 2Mbps Broadband business connection (unlimited download), USD adjusted for PPP

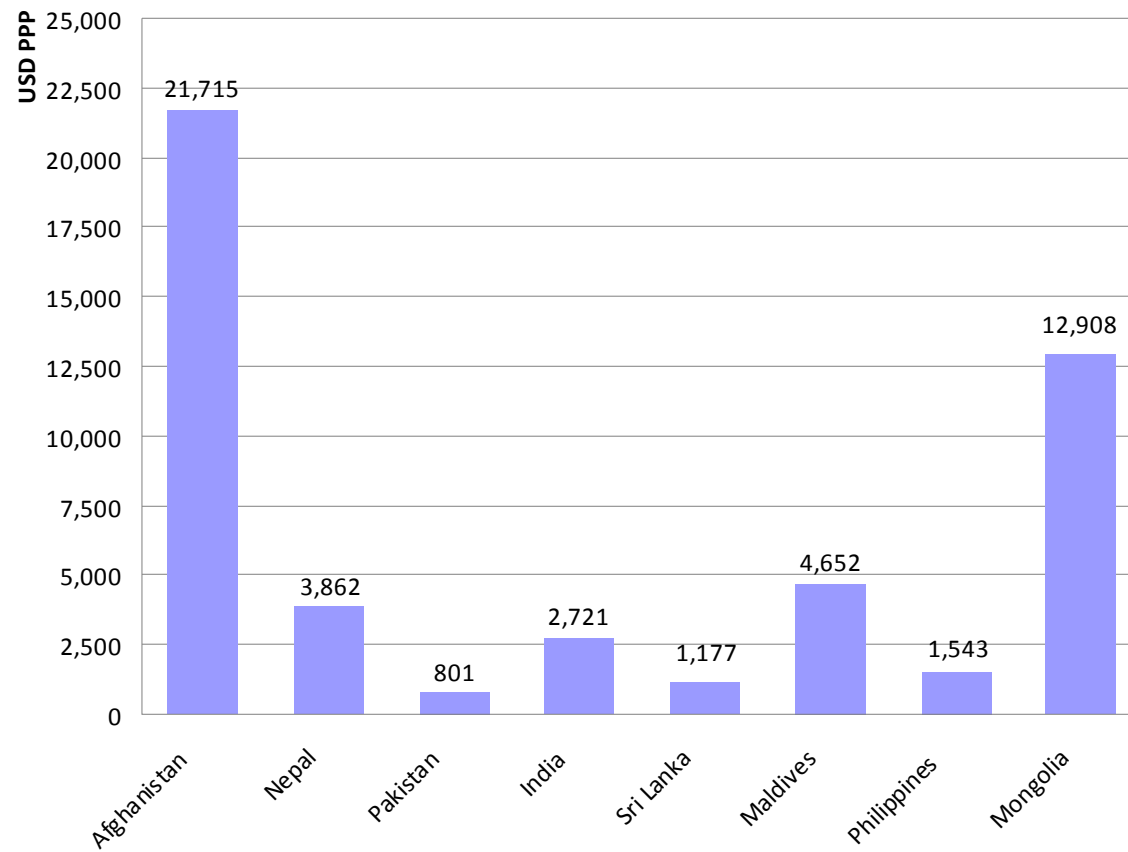
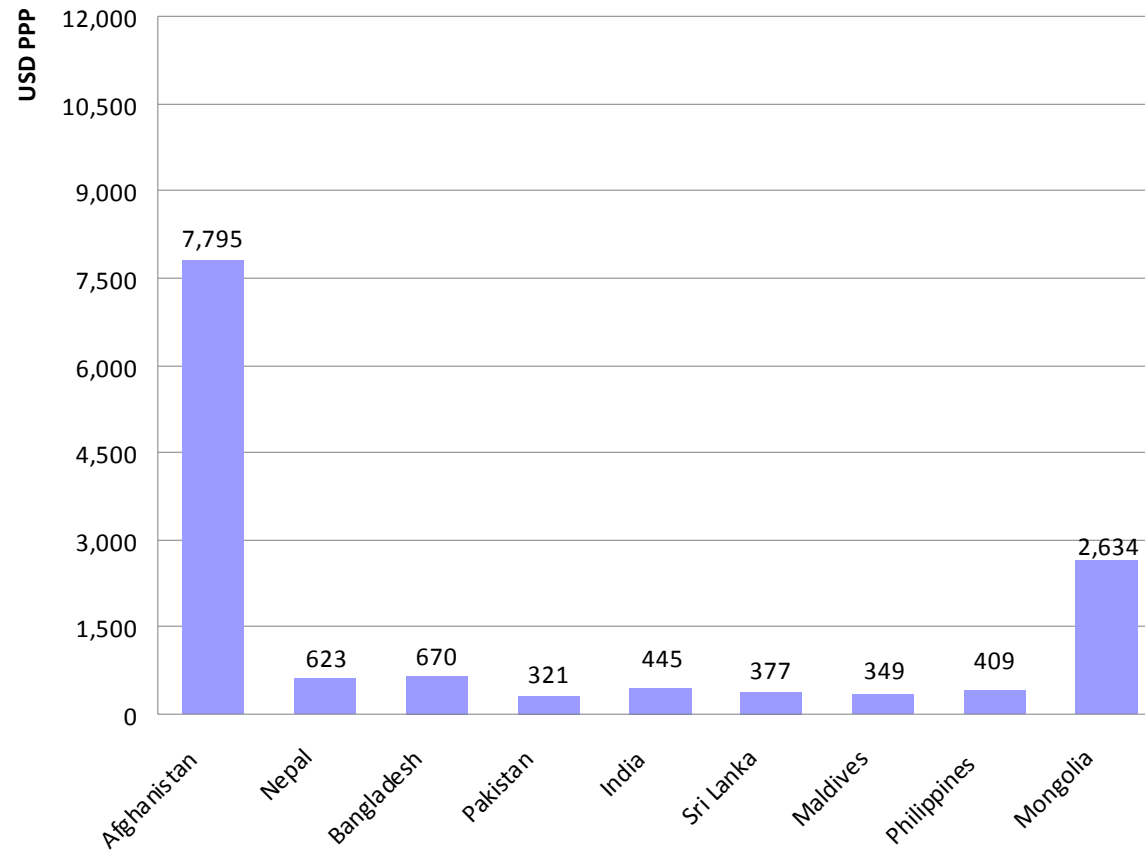


Figure 6 - Annual cost, 256kbps Broadband residential connection (unlimited download), USD adjusted for PPP



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Table 1- Broadband Prices in Emerging Asia in USD<sup>2</sup>

Country <sup>3</sup>	Annual cost, 2Mbps, 2km DPLC (tail cost)	Annual cost, 2Mbps, 100km DPLC <sup>4</sup>	Annual cost, 2Mbps Broadband business connection (unlimited download)	Annual cost, 256kbps Broadband business connection (unlimited download)	Annual cost, 256kbps Broadband residential connection (unlimited download)	Price per GB, for 2Mbps, 5-10 GB data limit (Business)	Price per GB, for 256kbps, 5-10 GB data limit (Business)	Price per GB, for 256kbps, 1-4 GB data limit (Residential)	Price per GB, 1Mbps speed, 1GB data limit mobile internet	Value of 1 USD in local currency as at September 20, 2009 <sup>5</sup>
<b>South Asia</b>										
Afghanistan	<sup>6</sup>	<sup>7</sup>	11,700 <sup>8</sup>	4,200 <sup>9</sup>	4,200 <sup>10</sup>					50.10
Nepal	<sup>11</sup>	<sup>12</sup>	1,423 <sup>13</sup>	230 <sup>14</sup>	230 <sup>15</sup>					78.43
Bangladesh	786 <sup>16</sup>	3,502 <sup>17</sup>		598 <sup>18</sup>	256 <sup>19</sup>					70.25
Pakistan	56 <sup>20</sup>	2,807 <sup>21</sup>	289 <sup>22</sup>	116 <sup>23</sup>	116 <sup>24</sup>		3 <sup>25</sup>		2 <sup>26</sup>	83.11
India	348 <sup>27</sup>	3,607 <sup>28</sup>	899 <sup>29</sup>	147 <sup>30</sup>	147 <sup>31</sup>	3 <sup>32</sup>		6 <sup>33</sup>	8 <sup>34</sup>	48.93
Sri Lanka	4,656 <sup>35</sup>	10,519 <sup>36</sup>	522 <sup>37</sup>	167 <sup>38</sup>	167 <sup>39</sup>			4 <sup>40</sup>	4 <sup>41</sup>	114.87
Bhutan	999 <sup>42</sup>	7,492 <sup>43</sup>				4 <sup>44</sup>	4 <sup>45</sup>	3 <sup>46</sup>	6 <sup>47</sup>	48.05
Maldives	15,865 <sup>48</sup>	41,422 <sup>49</sup>	3,691 <sup>50</sup>	1,665 <sup>51</sup>	277 <sup>52</sup>	22 <sup>53</sup>	10 <sup>54</sup>	9.25 <sup>55</sup>		12.97
<b>South East Asia</b>										
Philippines	392 <sup>56</sup>		753 <sup>57</sup>	250 <sup>58</sup>	199 <sup>59</sup>					47.82
Indonesia	3,025 <sup>60</sup>	8,520 <sup>61</sup>		741 <sup>62</sup>		21 <sup>63</sup>		8 <sup>64</sup>	16 <sup>65</sup>	9718.17
<b>East Asia</b>										
Mongolia	(2880) <sup>66</sup>	(2880) <sup>67</sup>	5880 <sup>68</sup>	1200 <sup>69</sup>	1200 <sup>70</sup>				3 <sup>71</sup>	1418.61

If no data is shown, it indicates unavailability of information at time of research, or that a package closely fitting the category could not be found.

<sup>1</sup> USD PPP estimates for 2009 were taken from the IMF World Economic Outlook (WEO) Database (October 2009), available at: <http://www.imf.org/external/pubs/ft/weo/2008/02/weodata/index.aspx>

<sup>2</sup> Prices originally quoted in local currency have been converted into USD using exchange rates shown in final column.

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<sup>3</sup> Countries are separated by region (South Asia vs South East Asia) and then listed in ascending order of projected GDP per capita current prices (U.S. dollars) for 2009 obtained from the World Economic Outlook database, Oct 2009

<sup>4</sup> Unless operator reports 100 km price, it is calculated using the price for 96 km link and 2 tail links (of 2km each).

<sup>5</sup> Exchange rates taken from <http://www.oanda.com> on 20 September 2009

<sup>6</sup> Draft rates for the proposed Optical Fiber Cable (OFC) ring network around Afghanistan 450 US \$

<sup>7</sup> Draft rates for the proposed Optical Fiber Cable (OFC) ring network around Afghanistan 22500 \$

<sup>8</sup> TS2 LinkStar VSAT service <http://www.ts2.pl/en/NSS-6> uplink 2048kbps downlink 256 kbps

<sup>9</sup> TS2 LinkStar VSAT service <http://www.ts2.pl/en/NSS-6> uplink 256kbps downlink 128 kbps

<sup>10</sup> TS2 LinkStar VSAT service <http://www.ts2.pl/en/NSS-6> uplink 256kbps downlink 128 kbps

<sup>11</sup> Available package is for a lower speed of 64kbps. USD 574 for 2km link . See [http://www.ntc.net.np/tariff/pstn\\_leased\\_charge.php](http://www.ntc.net.np/tariff/pstn_leased_charge.php)

<sup>12</sup> Available package is for a lower speed of 64kbps. USD 1288 for 100 km link . See [http://www.ntc.net.np/tariff/pstn\\_leased\\_charge.php](http://www.ntc.net.np/tariff/pstn_leased_charge.php)

<sup>13</sup> NT ADSL 2 Mbps package [http://www.ntc.net.np/adsl/adsl\\_tariffPlans.php](http://www.ntc.net.np/adsl/adsl_tariffPlans.php)

<sup>14</sup> NT ADSL 256 kbps package [http://www.ntc.net.np/adsl/adsl\\_tariffPlans.php](http://www.ntc.net.np/adsl/adsl_tariffPlans.php)

<sup>15</sup> NT ADSL 256 kbps package [http://www.ntc.net.np/adsl/adsl\\_tariffPlans.php](http://www.ntc.net.np/adsl/adsl_tariffPlans.php)

<sup>16</sup> Minimum Charge is 4,600 Tk/month for any distance below 20km. [http://www.btrc.gov.bd/tariffs/btcl\\_domestic\\_transmission\\_charges.pdf](http://www.btrc.gov.bd/tariffs/btcl_domestic_transmission_charges.pdf)

<sup>17</sup> Price Shown = (first 50km\*230 BDT per kilometer) + (balance 50km \* 180 BDT per kilometer) from [http://www.btrc.gov.bd/tariffs/btcl\\_domestic\\_transmission\\_charges.pdf](http://www.btrc.gov.bd/tariffs/btcl_domestic_transmission_charges.pdf)

<sup>18</sup> Zip SOHO speed16-20 kbps <http://www.siriusbroadband.com/rate.php>

<sup>19</sup> Zip Xpress. Speed not clear. <http://www.siriusbroadband.com/rate.php>

<sup>20</sup> Each kilometer between 0 -200km is PKR 2333. Hence price shown is 2\*2333PKR. [http://www.ntc.net.pk/tariffleasing.asp?menu\\_id=03](http://www.ntc.net.pk/tariffleasing.asp?menu_id=03).

<sup>21</sup> Each kilometer between 0 -200km is PKR 2333. Hence price shown is 100\*2333PKR [http://www.ntc.net.pk/tariffleasing.asp?menu\\_id=03](http://www.ntc.net.pk/tariffleasing.asp?menu_id=03).

<sup>22</sup> Pakistan Telecom Company Limited, *DSL-2Mbps Unlimited* package. <http://www.ptcl.com.pk/contentp.php?NID=190#Bbunlimited>

<sup>23</sup> National telecommunication Corporation, *Internet DSL NTC 256K package*. No distinction made between business and residential packages [http://www.ntc.net.pk/tariffInternet.asp?menu\\_id=03](http://www.ntc.net.pk/tariffInternet.asp?menu_id=03)

<sup>24</sup> National telecommunication Corporation, *Internet DSL NTC 256K package*. No distinction made between business and residential packages [http://www.ntc.net.pk/tariffInternet.asp?menu\\_id=03](http://www.ntc.net.pk/tariffInternet.asp?menu_id=03)

<sup>25</sup> Micronet Broadband *DSL Connect 9 512/256kbps, 9GB limit per month* <http://www.dsl.net.pk/VolumePackages.php>

<sup>26</sup> Mobilink Infinity 1Mbps speed 5GB *data limit package* <http://www.mobilinkinfinity.com/tariff/>

<sup>27</sup> BSNL 2Mbps 5km distance [http://bsnl.co.in/service/leased\\_tariff.htm#high](http://bsnl.co.in/service/leased_tariff.htm#high)

<sup>28</sup> BSNL 2Mbps 100km distance [http://bsnl.co.in/service/leased\\_tariff.htm#high](http://bsnl.co.in/service/leased_tariff.htm#high)

<sup>29</sup> MTNL Triband broad band Plan 2 <http://mumbai.mtnl.net.in/triband/htm/tariff.htm>

<sup>30</sup> MTNL, *TriB Unlimited, UL data – 256*, [http://mtnl Delhi.in/broadband/triband\\_tariff.htm](http://mtnl Delhi.in/broadband/triband_tariff.htm). No distinction made between business and residential packages

<sup>31</sup> MTNL, *TriB Unlimited, UL data – 256*, [http://mtnl Delhi.in/broadband/triband\\_tariff.htm](http://mtnl Delhi.in/broadband/triband_tariff.htm). No distinction made between business and residential packages

<sup>32</sup> MTNL, *TriB 649, 256 Kbps up to 2 Mbps* [http://mtnl Delhi.in/broadband/triband\\_tariff.htm](http://mtnl Delhi.in/broadband/triband_tariff.htm)

<sup>33</sup> BSNL *Home 2991GB data download 256 Kbps up to 2Mbps* [http://www.bsnl.co.in/service/dataone\\_tariff.htm](http://www.bsnl.co.in/service/dataone_tariff.htm)



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- <sup>34</sup> BSNL 3G data plan 399 (Postpaid/Prepaid) [http://www.bsnl.in/service/3G/3G\\_files/3g.htm](http://www.bsnl.in/service/3G/3G_files/3g.htm)
- <sup>35</sup> Price quoted by Sri Lanka Telecom
- <sup>36</sup> Price quoted by Sri Lanka Telecom
- <sup>37</sup> Dialog *OfficeNet* <http://www.dialog.lk/business/broadband/officenet/>
- <sup>38</sup> Sri Lanka telecom, *Home Package* <http://www.slt.net.lk/tariff.html>
- <sup>39</sup> Sri Lanka telecom, *Home Package* <http://www.slt.net.lk/tariff.html>
- <sup>40</sup> Sri Lanka Telecom, *Entrée Package* 1GB <http://www.slt.net.lk/tariff.html>
- <sup>41</sup> Mobitel *Zoom 890* 2GB data limit [http://www.mobitel.lk/broadband/postpaid\\_internet.html](http://www.mobitel.lk/broadband/postpaid_internet.html)
- <sup>42</sup> Bhutan Telecom point to point Leased line service <10km. <http://www.druknet.bt/btelecom/Point-to-Point-Leased-Line-Service.html>
- <sup>43</sup> Bhutan Telecom point to point Leased line service 100km. <http://www.druknet.bt/btelecom/Point-to-Point-Leased-Line-Service.html>
- <sup>44</sup> Bhutan telecom, post-paid broadband, *Enterprise*, 15GB Limit <http://www.druknet.bt/btelecom/Broadband.html>
- <sup>45</sup> Bhutan Telecom post-paid Broadband, *Home* 5GB Limit <http://www.druknet.bt/btelecom/Broadband.html>
- <sup>46</sup> Bhutan Telecom post-paid Broadband, *Personal* 2.5GB Limit <http://www.druknet.bt/btelecom/Broadband.html>
- <sup>47</sup> Bhutan Telecom post-paid Internet Packages, *Easy* 2.5GB Limit <http://www.druknet.bt/btelecom/GPRSEDGE3G.html>
- <sup>48</sup> Due to the unavailability of more updated data October 2008 data is shown [http://lirneasia.net/wp-content/uploads/2008/11/microsoft-word-bb\\_price\\_gose\\_benchmarks-30\\_oct\\_2008.pdf](http://lirneasia.net/wp-content/uploads/2008/11/microsoft-word-bb_price_gose_benchmarks-30_oct_2008.pdf)
- <sup>49</sup> Due to the unavailability of more updated data October 2008 data is shown [http://lirneasia.net/wp-content/uploads/2008/11/microsoft-word-bb\\_price\\_gose\\_benchmarks-30\\_oct\\_2008.pdf](http://lirneasia.net/wp-content/uploads/2008/11/microsoft-word-bb_price_gose_benchmarks-30_oct_2008.pdf)
- <sup>50</sup> Raajje online *Biz broadband 2M* <http://www.rol.net.mv/small-medium-biz/Biz-Broadband-2M.html>
- <sup>51</sup> Dhiraguu *Biz unlimited* [http://www.dhiraagu.com.mv/business/small\\_medium/b\\_internet/biz\\_unlimited.php](http://www.dhiraagu.com.mv/business/small_medium/b_internet/biz_unlimited.php)
- <sup>52</sup> Raajje *Online ROL Value Pack* <http://www.rol.net.mv/home-user/ROL-Value-Pack-256k.html>
- <sup>53</sup> Dhiraguu *Biz Premier4M* 4Mbps/512Kbps speed, 10GB data limit [http://www.dhiraagu.com.mv/business/small\\_medium/b\\_internet/biz\\_premier.php](http://www.dhiraagu.com.mv/business/small_medium/b_internet/biz_premier.php)
- <sup>54</sup> Dhiraguu *Biz Starter Package*, 512/128kbps Speed 5GB data limit [http://www.dhiraagu.com.mv/business/small\\_medium/b\\_internet/biz\\_starter.php](http://www.dhiraagu.com.mv/business/small_medium/b_internet/biz_starter.php)
- <sup>55</sup> Dhiraguu *home starter* 512/256 speed, 1GB data limit <http://www.dhiraagu.com.mv/internet/starter.php>
- <sup>56</sup> Due to the unavailability of more updated data October 2008 data is shown [http://lirneasia.net/wp-content/uploads/2008/11/microsoft-word-bb\\_price\\_gose\\_benchmarks-30\\_oct\\_2008.pdf](http://lirneasia.net/wp-content/uploads/2008/11/microsoft-word-bb_price_gose_benchmarks-30_oct_2008.pdf)
- <sup>57</sup> PLDT *small biz micro* <http://www.pldt.com.ph/prod-serv/business/bizdsl.htm>
- <sup>58</sup> Globe *Wired* Broadband Packages 384 kbps Business <http://www.sme.globe.com.ph/GlobeCSME/View>
- <sup>59</sup> Globe Broadband *WiMax* Internet only package 512 Kbps. <http://site.globe.com.ph/web/guest/broadband/offers/3?sid=tp0h1gilfhpu1253435955668>
- <sup>60</sup> No. 32/DJPT.1/KOMINFO/4/2008 distance 5km
- <sup>61</sup> No. 32/DJPT.1/KOMINFO/4/2008 distance 100km
- <sup>62</sup> ABLTech *SOHO package* <http://abltech.com/price.html>
- <sup>63</sup> Indosat *M2 Broadband 3.5G - BIZZ* speed upto 3.6Mbps 5GB data limit <http://www.indosatm2.com/index.php/business-solution/internet-services/im2-broadband-35g-bizz>

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<sup>64</sup> *PRIME (Postpaid 3.5G) Eco* Unlimited 384kbps upto 2GB data limit. 64kbps for further unlimited data. <http://www.indosatm2.com/index.php/consumer-solution/internet-services/postpaid/im2-broadband-35g>

<sup>65</sup> Indosat 3.5G Regular Quote Package Extra Light 1.2 GB data limit [http://www.indosat.com/Indosat\\_3.5G\\_Broadband](http://www.indosat.com/Indosat_3.5G_Broadband)

<sup>66</sup> Available package is for a lower speed of 1Mbps. USD 2,880 for 2km for Local ISP. Refer [www.railcom.mn](http://www.railcom.mn)

<sup>67</sup> Available package is for a lower speed of 1Mbps. USD 2,880 for 100km for Local ISP. Refer [www.railcom.mn](http://www.railcom.mn)

<sup>68</sup> Magicnet Co., Ltd [www.magicnet.mn](http://www.magicnet.mn)

<sup>69</sup> Magicnet Co., Ltd [www.magicnet.mn](http://www.magicnet.mn)

<sup>70</sup> Magicnet Co., Ltd [www.magicnet.mn](http://www.magicnet.mn)

<sup>71</sup> G-Mobile. 2GB data limit data package. [www.g-mobile.mn](http://www.g-mobile.mn)