



Information & Communication Technology Stats Brief Quarter 2, 2020

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STATISTICS BOTSWANA

1. INTRODUCTION

This Stats Brief presents Botswana Information and Communications Technology Statistics for Q2 2020. It contains statistics relating to ICT Infrastructure and services as well as the contribution of Information and Communication Technology Sector to the economy.

In Q2 2020, fixed telephone line subscriptions went up by 0.3 percent to 140,055 from 139,626 recorded in Q1 2020. Mobile cellular telephone subscriptions on the other hand declined by 5.5 percent from 3,966,400 registered in Q1 2020 to 3,747,322 in Q2 2020. Internet subscriptions experienced an increase of 4.4 percent during the quarter.

Fixed telephone to mobile telephone domestic calls traffic decreased by 19.3 percent while mobile telephone to fixed telephone domestic calls traffic decreased by 24.6 percent. Outgoing international calls from fixed telephones increased by 19.8 percent, while those from mobile telephones declined by 17.9 percent.

In Q2 2020, the contribution of Postal and Communications Services Sector to the economy stood at 3.6 percent of Gross Domestic Product at current prices. The sector's value added at current prices amounted to P1, 345.4 million.

For more information and further enquiries, contact the Directorate of Stakeholder Relations on +267 367 1300. This publication, and all other Statistics Botswana outputs/publications are available on the website at <http://www.statsbots.org.bw> and at the Statistics Botswana Information Resource Centre (Head-Office, Gaborone).

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2. TELECOMMUNICATION

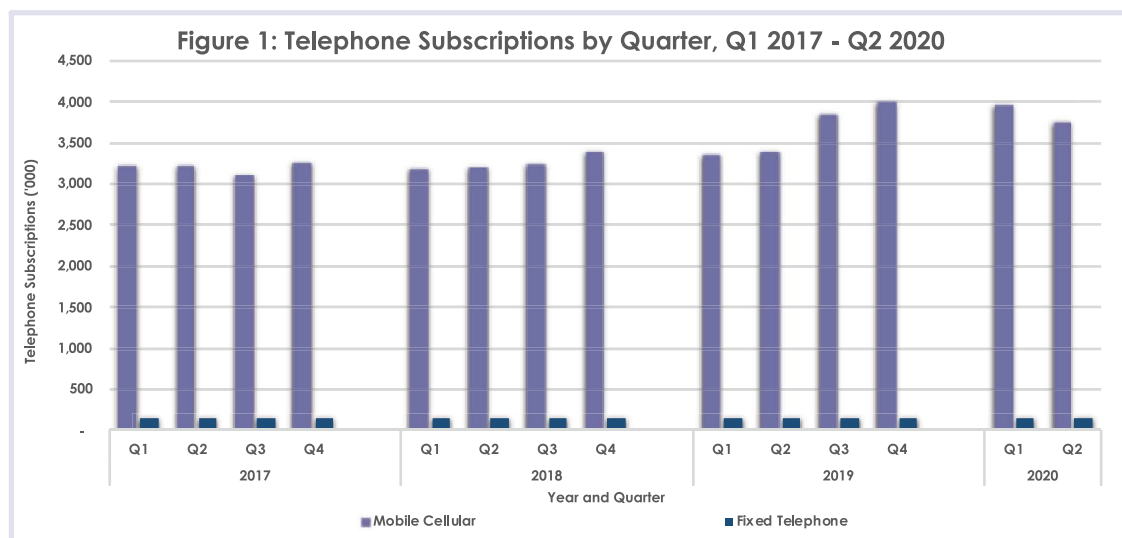
2.1 Fixed Telephone Lines and Mobile Cellular Telephone Subscriptions

The number of fixed telephone lines registered a slight increase of 0.3 percent in Q2 2020, from 139,626 in Q1 2020 to 140,055. Mobile cellular telephone subscriptions however declined from 3,966,400 registered in Q1 2020 to 3,747,322 in Q2 2020, a reduction of 5.5 percent. Comparing Q2 2020 to the same quarter of 2019 (Q2 2019), fixed telephone lines increased by 0.9 percent while mobile cellular telephone subscriptions increased by 10.4 percent. This is illustrated in **Table 2.1** and **Figure 1** below, as well as **Table 1** in the Appendix.

Table 2.1: Telephone Subscriptions by Quarter and Year, Q1 2019 - Q2 2020

Telephone Subscriptions	2019				2020	
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2
Fixed Telephone	140,202	138,831	140,491	141,896	139,626	140,055
Mobile Cellular						
Pre-Paid	3,266,527	3,300,897	3,733,341	3,891,733	3,857,359	3,620,072
Post Paid	86,810	92,571	106,677	107,511	109,041	127,250
Total	3,353,337	3,393,468	3,840,018	3,999,244	3,966,400	3,747,322

Source: Information and Communication Technology Statistics, Statistics Botswana

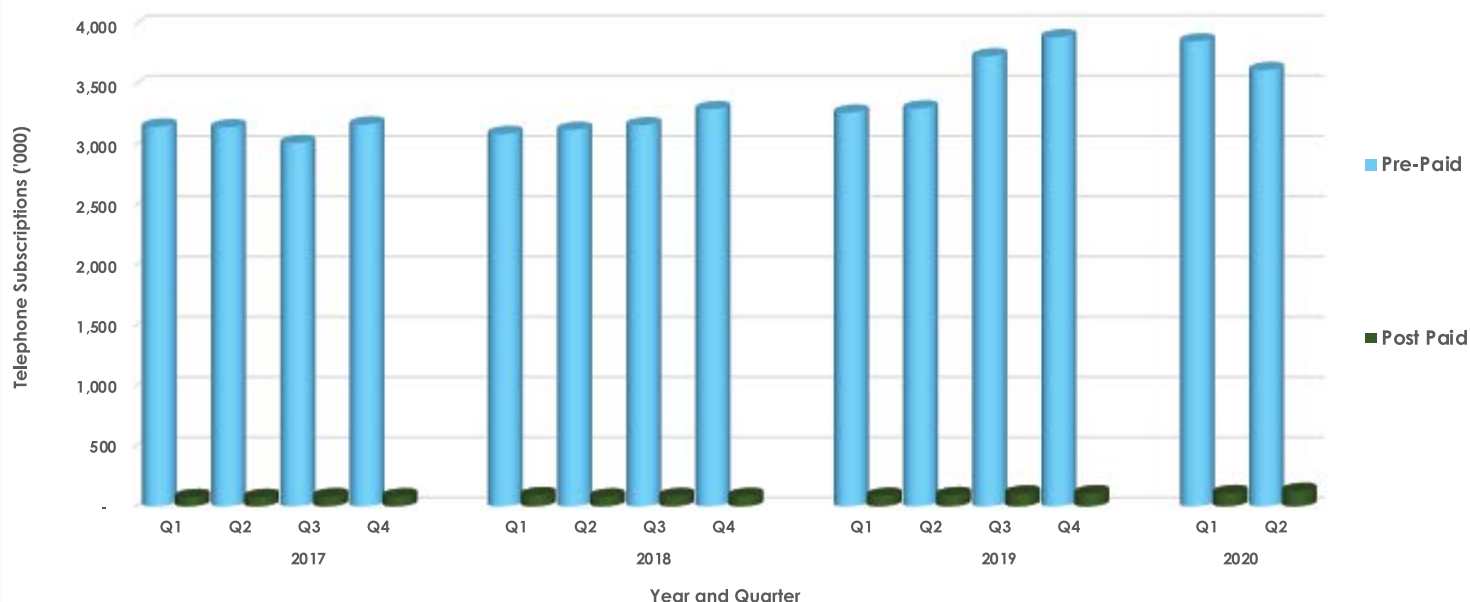


2.2 Pre-paid and Post-paid Mobile Cellular Telephone Subscriptions

During Q2 2020, pre-paid mobile cellular telephone subscriptions declined, while post-paid subscriptions increased. Pre-paid mobile cellular telephone subscriptions went down by 6.2 percent after registering 3,620,072 in Q2 2020 from 3,857,359 in Q1 2020.

Post-paid mobile cellular telephone subscriptions realised a significant increase in Q2 2020 by 16.7 percent, from 109,041 in Q1 2020 to 127,250 in Q2 2020. This is illustrated in **Figure 2** below and **Table 1** in the Appendix.

Figure 2: Pre-Paid and Post-Paid Mobile Cellular Telephone Subscriptions by Quarter, Q1 2017 - Q2 2020

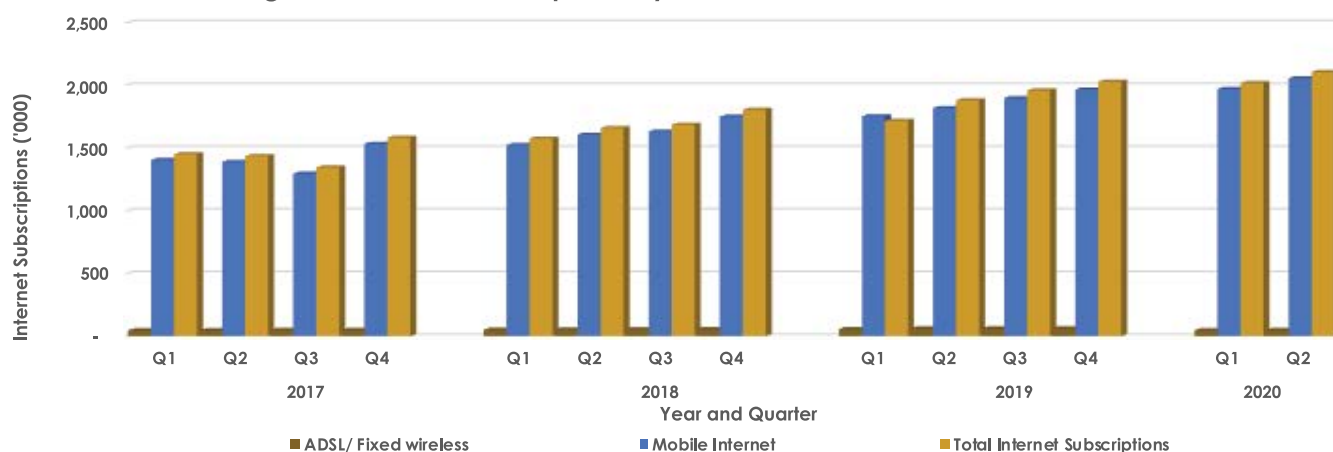


2.3 Internet Subscriptions

Total internet subscriptions (i.e. both mobile internet and fixed internet subscriptions) went up by 4.4 percent in Q2 2020 from 2,016,418 in Q1 2020 to 2,104,360. When assessing the performance of the two types of internet subscriptions, it shows that mobile internet subscriptions increased by 4.4 percent (from 1,969,376 in Q1 2020 to 2,055,764 in Q2 2020) while fixed internet subscriptions went up by 3.3 percent (from 47,042 in Q1 2020 to 48,596 in Q2 2020).

Compared to the same quarter of the previous year, Q2 2020 registered an increase of 12.0 percent in overall internet subscriptions. Mobile internet subscriptions increased by 13.1 percent, while fixed internet subscriptions increased by 5.2 percent during this period. Details are as elaborated in [Figure 3](#) below and [Table 2](#) in the Appendix.

Figure 3: Internet Subscriptions by Quarter and Year, Q1 2017 - Q2 2020



2.4 Telephone Traffic

Telephone traffic comprises of Domestic calls, International calls and Short Message Service (SMS).

On-net fixed telephone domestic calls traffic (Fixed telephones to fixed telephones) decreased by 32.4 percent in Q2 2020 from 1.5 billion calls made in Q1 2020 to 1.0 billion in Q2 2020.

Off net fixed telephone domestic calls traffic (Fixed telephones to mobile cellular telephones) declined in Q2 2020 when compared to Q1 2020. They decreased from 1.8 billion calls recorded in Q1 2020 to 1.5 billion in Q2 2020, registering a decline of 19.3 percent.

With regard to mobile cellular telephone domestic calls traffic, on-net traffic increased by 49.4 percent in Q2 2020 while off-net traffic declined by 9.2 percent. Mobile cellular telephone calls to fixed telephones traffic decreased by 24.6 percent in the same period.

International calls outgoing from fixed telephones went up by 19.8 percent, from 162 million in Q1 2020 to 194 million in Q2 2020. Outgoing international calls from mobile cellular telephones on the other hand decreased in Q2 2020 compared to those made in Q1 2020, from 8.2 million in Q1 2020 to 6.7 million calls in Q2 2020, a decline of 17.9 percent.

On-net short message services (SMS) and off-net short message services decreased by 18.7 percent and 20.8 percent respectively, in Q2 2020. The details are shown in [Table 3](#) in the Appendix.

3. CONTRIBUTION OF POSTAL AND COMMUNICATION SERVICES TO GDP

Table 3.1 below illustrates the contribution of Postal and Communication Services sector to Gross Domestic Product (GDP) over the years. In Q2 2020, the sector's value added amounted to P1, 345.4 million at current prices, which constituted 3.6 percent of total GDP. More details in [Table 4](#) in the Appendix.

Table 3.1: Contribution of Postal & Communication Services To GDP by Quarter and Year, Q1 2019 - Q2 2020

Communication & Postal Services	2019				2020	
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2
Current Prices						
Total GDP (P Million)	49,014.7	49,211.6	49,561.0	49,488.9	50,726.5	36,863.5
Postal & Communication Services Value Added (P Million)	1,279.1	1,293.1	1,334.5	1,355.9	1,387.0	1,345.4
Postal & Communication Services Contribution To GDP (%)	2.6	2.6	2.7	2.7	2.7	3.6
Postal & Communication Services Annual Growth Rates (%)	9.8	9.5	9.7	9.3	8.4	4.0
Constant Prices						
Total GDP (P Million)	24,454.1	24,838.2	24,891.7	25,288.1	25,074.0	18,848.7
Postal & Communication Services Value Added (P Million)	760.8	763.3	780.8	791.9	809.1	783.0
Postal & Communication Services Contribution To GDP (%)	3.1	3.1	3.1	3.1	3.2	4.2
Postal & Communication Services Annual Growth Rates (%)	7.6	6.9	6.5	6.6	6.4	2.6

APPENDIX

Table 1: Telephone Subscriptions by Quarter and Year, Q1 2012 - Q2 2020

		Telephone Subscriptions								
		Mobile Cellular			Fixed Telephone	Mobile Cellular			Fixed Telephone	
		Pre-Paid	Post Paid	Total		Pre-Paid	Post Paid	Total		
Year/Quarter		Numbers			Quarterly Percentage Change					
2012	Q1	2,893,480	59,636	2,953,116	150,549	
	Q2	2,914,071	61,920	2,975,991	151,360	0.7	3.8	0.8	0.5	
	Q3	2,928,017	62,514	2,990,531	159,182	0.5	1.0	0.5	5.2	
	Q4	3,017,884	63,842	3,081,726	160,488	3.1	2.1	3.0	0.8	
2013	Q1	3,032,563	68,839	3,101,402	162,718	0.5	7.8	0.6	1.4	
	Q2	3,047,241	73,836	3,121,077	163,699	0.5	7.3	0.6	0.6	
	Q3	3,139,210	76,409	3,215,619	170,910	3.0	3.5	3.0	4.4	
	Q4	3,169,148	77,639	3,246,787	174,165	1.0	1.6	1.0	1.9	
2014	Q1	3,126,346	78,523	3,204,869	174,992	(1.4)	1.1	(1.3)	0.5	
	Q2	3,116,697	79,415	3,196,112	175,674	(0.3)	1.1	(0.3)	0.4	
	Q3	3,137,570	81,690	3,219,260	168,817	0.7	2.9	0.7	(3.9)	
	Q4	3,328,284	82,223	3,410,507	169,236	6.1	0.7	5.9	0.2	
2015	Q1	3,324,654	81,233	3,405,887	169,474	(0.1)	(1.2)	(0.1)	0.1	
	Q2	3,334,807	79,851	3,414,658	171,006	0.3	(1.7)	0.3	0.9	
	Q3	3,361,527	78,150	3,439,677	172,920	0.8	(2.1)	0.7	1.1	
	Q4	3,395,758	79,569	3,475,327	160,490	1.0	1.8	1.0	(7.2)	
2016	Q1	3,379,127	81,204	3,460,331	161,641	(0.5)	2.1	(0.4)	0.7	
	Q2	3,176,217	77,984	3,254,201	163,719	(6.0)	(4.0)	(6.0)	1.3	
	Q3	3,194,444	80,678	3,275,122	141,954	0.6	3.5	0.6	(13.3)	
	Q4	3,209,519	79,467	3,288,986	142,122	0.5	(1.5)	0.4	0.1	
2017	Q1	3,150,273	76,116	3,226,389	140,873	(1.8)	(4.2)	(1.9)	(0.9)	
	Q2	3,144,258	76,574	3,220,832	141,882	(0.2)	0.6	(0.2)	0.7	
	Q3	3,013,825	83,092	3,096,917	142,816	(4.1)	8.5	(3.8)	0.7	
	Q4	3,168,194	81,709	3,249,903	141,207	5.1	(1.7)	4.9	(1.1)	
2018	Q1	3,089,505	92,086	3,181,591	141,835	(2.5)	12.7	(2.1)	0.4	
	Q2	3,123,590	80,549	3,204,139	142,602	1.1	(12.5)	0.7	0.5	
	Q3	3,161,505	84,928	3,246,433	143,213	1.2	5.4	1.3	0.4	
	Q4	3,295,636	85,592	3,381,228	142,481	4.2	0.8	4.2	(0.5)	
2019	Q1	3,266,527	86,810	3,353,337	140,202	(0.9)	1.4	(0.8)	(1.6)	
	Q2	3,300,897	92,571	3,393,468	138,831	1.1	6.6	1.2	(1.0)	
	Q3	3,733,341	106,677	3,840,018	140,491	13.1	15.2	13.2	1.2	
	Q4	3,891,733	107,511	3,999,244	141,896	4.2	0.8	4.1	1.0	
2020	Q1	3,857,359	109,041	3,966,400	139,626	(0.9)	1.4	(0.8)	(1.6)	
	Q2	3,620,072	127,250	3,747,322	140,055	(6.2)	16.7	(5.5)	0.3	

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 2: Internet Subscriptions by Quarter and Year, Q1 2011 - Q2 2020

		Internet Subscriptions					
		ADSL/ Fixed wireless	Mobile Internet	Total	ADSL/ Fixed wireless	Mobile Internet	Total
Year/ Quarter		Numbers			Quarterly % Change		
2011	Q1	14,082	189,803	203,885
	Q2	14,419	200,198	214,617	2.4	5.5	5.3
	Q3	14,474	224,474	238,948	0.4	12.1	11.3
	Q4	15,707	238,942	254,649	8.5	6.4	6.6
2012	Q1	16,298	263,131	279,429	3.8	10.1	9.7
	Q2	17,204	294,548	311,752	5.6	11.9	11.6
	Q3	18,166	509,926	528,092	5.6	73.1	69.4
	Q4	18,838	769,805	788,643	3.7	51.0	49.3
2013	Q1	19,388	958,074	977,462	2.9	24.5	23.9
	Q2	23,224	1,098,523	1,121,747	19.8	14.7	14.8
	Q3	25,309	1,259,561	1,284,870	9.0	14.7	14.5
	Q4	27,819	1,444,207	1,472,026	9.9	14.7	14.6
2014	Q1	22,740	1,655,921	1,678,661	(18.3)	14.7	14.0
	Q2	24,800	1,898,671	1,923,471	9.1	14.7	14.6
	Q3	26,836	2,177,007	2,203,843	8.2	14.7	14.6
	Q4	27,867	2,496,146	2,524,013	3.8	14.7	14.5
2015	Q1	34,435	1,188,640	1,223,075	23.6	(52.4)	-51.5
	Q2	35,641	1,245,994	1,281,635	3.5	4.8	4.8
	Q3	36,272	1,295,663	1,331,935	1.8	4.0	3.9
	Q4	36,845	1,384,146	1,420,991	1.6	6.8	6.7
2016	Q1	37,366	1,360,236	1,397,602	1.4	(1.7)	(1.7)
	Q2	38,622	1,272,521	1,311,143	3.4	(6.4)	(6.2)
	Q3	39,174	1,340,549	1,379,723	1.4	5.3	5.2
	Q4	41,833	1,409,274	1,451,107	6.8	5.1	5.2
2017	Q1	45,793	1,404,065	1,449,858	9.5	(0.4)	(0.1)
	Q2	46,191	1,388,359	1,434,550	0.9	(1.1)	(1.1)
	Q3	48,811	1,294,764	1,343,575	5.7	(6.7)	(6.3)
	Q4	48,901	1,532,954	1,581,855	0.2	18.4	17.7
2018	Q1	50,514	1,523,545	1,574,059	3.3	(0.6)	(0.5)
	Q2	53,057	1,605,727	1,658,784	5.0	5.4	5.4
	Q3	54,687	1,630,364	1,685,051	3.1	1.5	1.6
	Q4	55,390	1,749,059	1,804,449	1.3	7.3	7.1
2019	Q1	55,565	1,752,547	1,716,229	0.3	0.2	(4.9)
	Q2	60,944	1,818,007	1,878,951	9.7	3.7	9.5
	Q3	61,271	1,896,424	1,957,695	0.5	4.3	4.2
	Q4	62,058	1,965,456	2,027,515	1.3	8.4	8.2
2020	Q1	47,042	1,969,376	2,016,418	(24.2)	0.2	(0.5)
	Q2	48,596	2,055,764	2,104,360	3.3	4.4	4.4

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 3: Domestic and International Telephone Traffic (Minutes) by Quarter and Year, Q1 2012 - Q2 2020

Year/ Quarter		Telephone and Short Message Service Traffic									
		Domestic Calls					International Calls			Short Message Service	
		From Fixed Telephones to Fixed Telephones	From fixed Telephones to Mobile Cellular Telephones	On Net Mobile Cellular Telephone Calls	Off Net Mobile Cellular Telephone Calls	From Mobile Cellular Telephones to Fixed Telephones	Outgoing from Fixed Telephones	Incoming to Fixed Telephones	Outgoing from Mobile Cellular Telephones	On Net	Off Net
2012	Q1	44,807,471	32,067,146	305,145,554	127,875,946	86,208,330	6,895,539	3,833,461	14,943,619	188,337,052	104,721,472
	Q2	46,165,242	28,438,798	378,223,041	92,329,860	6,156,853	5,576,032	2,649,892	12,170,992	182,518,901	100,177,330
	Q3	46,058,747	33,049,118	384,652,300	126,175,464	13,173,891	4,256,524	1,466,323	16,394,509	217,903,594	121,996,704
	Q4	42,992,250	27,222,676	408,930,424	151,690,137	12,449,792	6,383,477	2,058,108	17,028,469	224,910,519	134,605,875
2013	Q1	40,847,222	25,433,762	415,805,694	130,302,022	10,494,493	6,313,054	-	14,312,615	205,754,037	72,501,473
	Q2	42,084,988	22,555,971	515,384,517	94,081,552	749,499	4,819,138	-	19,279,307	199,397,837	69,355,442
	Q3	41,987,906	41,135,405	524,145,328	128,569,278	1,603,712	7,227,225	-	20,024,820	238,054,826	84,461,578
	Q4	39,192,437	41,135,405	557,227,843	154,568,018	1,515,564	7,147,494	-	16,831,081	245,709,736	93,191,244
2014	Q1	22,992,190	27,010,100	455,270,768	141,011,907	11,881,057	2,060,221	-	15,687,913	199,930,668	129,240,709
	Q2	2,369,077,575	1,697,253,376	494,674,723	151,200,137	11,691,792	19,296,867	-	15,661,291	212,301,376	135,407,579
	Q3	39,113,572	29,184,702	528,763,242	168,612,126	12,121,336	4,198,532	-	16,605,584	226,876,144	160,659,629
	Q4	424,793,378	390,589,346	538,595,573	178,652,457	12,105,602	671,227,267	-	16,990,114	226,930,504	146,297,194
2015	Q1	38,354,146	6,327,160	520,550,402	152,171,070	6,665,492	5,553,381	-	12,818,574	206,479,961	146,257,918
	Q2	36,861,131	6,122,266	522,684,176	160,042,387	11,454,538	5,399,350	-	15,468,748	201,630,906	152,963,487
	Q3	37,557,267	29,923,404	1,867,212,151	209,491,965	11,259,715	5,525,421	-	15,857,336	196,945,120	139,614,378
	Q4	2,067,470,773	399,920,925	525,492,538	176,298,042	9,356,236	929,767,092	-	15,426,446	209,840,809	157,962,098
2016	Q1	34,965,488	6,949,306	480,585,051	154,869,695	8,737,525	4,953,934	-	13,161,451	157,239,036	93,681,272
	Q2	1,331,557,873	2,041,660,546	653,014,162	262,630,413	9,703,623	306,014,551	-	14,112,699	183,691,703	138,911,604
	Q3	2,042,864,630	2,110,094,413	476,676,551	125,662,178	8,352,695	296,405,140	-	12,267,683	184,225,029	164,463,245
	Q4	1,995,163,417	2,158,781,171	525,492,538	176,298,042	9,356,236	272,672,930	-	15,426,446	209,840,809	157,962,098
2017	Q1	1,996,616,714	2,175,125,352	353,714,166	101,619,312	5,355,226	263,327,903	-	6,945,727	133,355,242	176,904,690
	Q2	1,995,163,417	2,158,781,171	403,115,950	100,591,502	5,587,481	272,672,930	-	7,405,278	124,428,020	106,809,711
	Q3	1,839,716,566	1,862,241,472	604,005,497	157,577,607	9,423,562	238,735,341	-	11,846,344	175,981,585	164,526,833
	Q4	1,925,384,926	1,880,086,902	316,560,889	169,337,479	10,077,726	217,171,325	-	10,825,559	166,743,720	178,144,293
2018	Q1	1,743,088,946	1,870,056,276	583,152,907	135,349,759	9,727,092	204,672,812	-	10,579,435	121,595,497	151,872,112
	Q2	1,995,163,467	2,282,620,465	248,849,839	38,528,098	3,217,349	242,964,024	-	3,885,730	84,284,330	82,126,432
	Q3	1,743,088,946	1,870,056,276	730,436,647	165,312,108	6,737,448	238,735,341	-	13,482,935	174,420,541	177,695,619
	Q4	1,824,257,738	1,532,059,547	711,914,725	132,472,504	6,981,007	206,052,643	-	6,891,130	172,698,636	137,566,702
2019	Q1	1,630,877,925	1,894,426,304	1,143,172,248	135,349,759	9,727,092	169,539,136	-	10,037,404	173,606,036	131,228,779
	Q2	1,428,923,713	1,729,158,938	1,285,607,439	142,798,477	8,329,621	162,257,133	-	128,628,861	132,886,661	144,579,482
	Q3	1,791,070,062	2,038,453,064	1,011,056,590	171,590,589	9,422,874	224,689,042	-	9,015,650	144,579,482	91,645,479
	Q4	1,874,473,146	1,670,020,051	985,418,896	137,503,751	9,763,511	193,929,272	-	8,858,345	143,152,172	157,855,498
2020	Q1	1,455,039,053	1,812,340,439	1,100,308,384	187,889,689	62,961,837	161,973,703	-	8,216,079	130,492,293	80,274,410
	Q2	983,190,446	1,462,730,934	1,644,389,257	170,571,174	47,483,422	194,070,891	-	6,748,608	106,028,158	63,583,841

Source: Botswana Communications Regulatory Authority

Note: "-" denotes zero

Table 4: Contribution of Communication & Postal Services To Gross Domestic Product by Quarter and Year, Q1 2013 - Q2 2020

Year/Quarter		Current Prices				Constant Prices			
		Total GDP (P Million)	Postal & Communication Services Value Added (P Million)	Postal & Communication Services Contribution To GDP (%)	Postal & Communication Services Annual Growth Rates (%)	Total GDP (P Million)	Postal & Communication Services Value Added (P Million)	Postal & Communication Services Contribution To GDP (%)	Postal & Communication Services Annual Growth Rates (%)
2013	Q1	28,425.6	626.6	2.2	6.7	20,507.5	485.3	2.4	5.7
	Q2	32,462.8	648.5	2.0	8.8	20,931.5	501.5	2.4	8.0
	Q3	31,665.7	664.7	2.1	10.4	20,917.2	508.6	2.4	8.5
	Q4	32,604.2	704.6	2.2	15.8	21,724.5	522.7	2.4	10.7
2014	Q1	34,508.4	739.8	2.1	18.1	21,190.8	544.2	2.6	12.1
	Q2	37,718.4	762.0	2.0	17.5	21,887.7	552.4	2.5	10.1
	Q3	36,155.6	778.0	2.2	17.0	22,178.7	563.2	2.5	10.7
	Q4	37,486.0	778.5	2.1	10.5	22,312.2	554.5	2.5	6.1
2015	Q1	36,570.3	817.4	2.2	10.5	21,769.4	573.7	2.6	5.4
	Q2	37,329.7	850.1	2.3	11.6	21,814.9	587.2	2.7	6.3
	Q3	37,240.2	892.6	2.4	14.7	20,971.5	607.0	2.9	7.8
	Q4	34,783.2	905.1	2.6	16.3	21,525.0	604.0	2.8	8.9
2016	Q1	39,499.5	916.0	2.3	12.1	22,277.1	597.3	2.7	4.1
	Q2	42,440.5	973.7	2.3	14.5	22,666.8	626.0	2.8	6.6
	Q3	44,090.6	1,025.3	2.3	14.9	22,409.5	653.7	2.9	7.7
	Q4	43,657.4	1,041.7	2.4	15.1	22,421.6	654.1	2.9	8.3
2017	Q1	43,645.6	1,062.5	2.4	16.0	22,465.4	661.4	2.9	10.7
	Q2	43,005.2	1,073.1	2.5	10.2	22,886.1	664.3	2.9	6.1
	Q3	44,963.3	1,116.1	2.5	8.9	22,659.7	685.9	3.0	5.0
	Q4	46,653.0	1,136.1	2.4	9.1	23,896.6	695.3	2.9	6.3
2018	Q1	46,156.5	1,164.5	2.5	9.6	23,545.0	707.0	3.0	6.9
	Q2	47,362.7	1,180.9	2.5	10.0	24,099.0	714.3	3.0	7.6
	Q3	48,699.3	1,216.3	2.5	9.0	24,126.2	733.1	3.0	6.9
	Q4	48,491.6	1,240.6	2.6	9.2	24,850.9	742.8	3.0	6.8
2019	Q1	49,014.7	1,279.1	2.6	9.8	24,454.1	760.8	3.1	7.6
	Q2	49,211.6	1,293.1	2.6	9.5	24,838.2	763.3	3.1	6.9
	Q3	49,561.0	1,334.5	2.7	9.7	24,891.7	780.8	3.1	6.5
	Q4	49,488.9	1,355.9	2.7	9.3	25,288.1	791.9	3.1	6.6
2020	Q1	50,726.5	1,387.0	2.7	8.4	25,074.0	809.1	3.2	6.4
	Q2	36,863.5	1,345.4	3.6	4.0	18,848.7	783.0	4.2	2.6

Source: National Accounts, Statistics Botswana

DEFINITIONS

1.1 Fixed Telephone

Fixed telephone lines refer to a telephone line connecting a customer's terminal equipment (e.g. telephone set, facsimile machine) to the public switched telephone network (PSTN) and which has a dedicated port on a telephone exchange. This term is synonymous with the terms main station or Direct Exchange Line (DEL) that are commonly used in telecommunication documents. It may not be the same as an access line or a subscriber.

1.2 Mobile Cellular Phone

A mobile cellular phone refers to a portable telephone subscribing to a public mobile telephone service using cellular technology, which provides access to the PSTN. This includes analogue and digital cellular systems, as well as IMT-2000 (3G). Users of both post-paid subscriptions and pre-paid accounts are included.

1.3 Internet

A world-wide public computer network which provides access to a number of communication services including services including the World – Wide Web and carries email, news, entertainment and data files. Access may be any device enabling internet access (not only a computer). It may also be by mobile phone. PDA, Games Machine, Digital TV etc.

1.4 Asymmetric Digital Subscriber line (ADSL)

DSL with different speed for upstream and downstream.

1.5 Domestic Fixed Telephone Traffic (Minutes)

It consists of effective (completed) fixed telephone line traffic exchanged within the local charging area in which the calling station is situated. This is the area within which one subscriber can call another on payment of the local charge (if applicable). This indicator should be reported in the number of minutes.

1.6 National (fixed) Trunk Telephone Traffic (Minutes)

National (fixed) trunk (toll) traffic consists of effective (completed) fixed national telephone traffic exchange with a station outside the local charging area of the calling station. The indicator should be reported as the number of minutes of traffic.

1.7 International Outgoing Fixed Telephone Traffic (Minutes)

This covers the effective (completed) fixed traffic originating in a given country to destinations outside that country. The indicator should be reported as the number of minutes of traffic.

1.8 International Incoming Fixed Telephone Traffic (Minutes)

Effective (completed) fixed traffic originating outside the country with a destination inside the country. The indicator should be reported as the number of minutes of traffic.

1.9 Outgoing National Mobile Telephone Traffic (Minutes)

Total number of minutes made by mobile subscribers within a country (including minutes to fixed lines and minutes to other mobile subscribers).

1.10 SMS Traffic

Total number of mobile Short Message Service (SMS) sent, both to national and international destinations



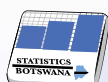
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