## 12 PHILIPPINE PESO PER US DOLLAR EXCHANGE RATE

for periods indicated

| Period | 2016 | 2017 | 2018 | 2019 | 2020 |
|---|---|---|---|---|---|
| **Monthly Averages** | | | | | |
| January | 47.5111 | 49.7363 | 50.5087 | 52.4679 | 50.8386 |
| February | 47.6361 | 49.9614 | 51.7856 | 52.1901 | 50.7448 |
| March | 46.7240 | 50.2752 | 52.0676 | 52.4134 | 50.9036 |
| April | 46.2845 | 49.8626 | 52.0986 | 52.1122 | 50.7349 |
| May | 46.8023 | 49.8603 | 52.1948 | 52.2620 | 50.5556 |
| June | 46.4645 | 49.8501 | 53.0476 | 51.8029 | 50.0972 |
| July | 47.0581 | 50.6382 | 53.4329 | 51.1429 | 49.4675 |
| August | 46.6809 | 50.8747 | 53.2735 | 52.0547 | 48.8433 |
| September | 47.4294 | 51.0094 | 53.9419 | 52.1052 | 48.5057 |
| October | 48.3482 | 51.3433 | 54.0086 | 51.5042 | |
| November | 49.1550 | 51.0384 | 52.8083 | 50.7268 | |
| December | 49.8156 | 50.3947 | 52.7691 | 50.7671 | |
| **Average** | **47.4925** | **50.4037** | **52.6614** | **51.7958** | **50.0768** |
| **% Appreciation (+) / Depreciation (-)** | **-4.19** | **-5.78** | **-4.29** | **1.67** | |
| **Volatility [1]** | **1.1040** | **0.5867** | **1.0107** | **0.6400** | |
| **End-of-Period** | | | | | |
| January | 47.8230 | 49.8140 | 51.4210 | 52.3520 | 50.9040 |
| February | 47.5600 | 50.2670 | 52.0340 | 52.0060 | 50.9370 |
| March | 46.1080 | 50.1940 | 52.2070 | 52.7820 | 51.0440 |
| April | 46.7730 | 49.6990 | 51.9650 | 52.1060 | 50.5890 |
| May | 46.7750 | 49.8670 | 52.6890 | 52.2570 | 50.7270 |
| June | 46.9600 | 50.4660 | 53.5220 | 51.3580 | 49.8510 |
| July | 47.0850 | 50.5820 | 53.2630 | 51.0130 | 49.2170 |
| August | 46.4670 | 51.1660 | 53.4340 | 52.3390 | 48.6210 |
| September | 48.2570 | 51.0730 | 54.2510 | 52.0420 | 48.4650 |
| October | 48.5150 | 51.7990 | 53.6060 | 51.0330 | |
| November | 49.7770 | 50.3650 | 52.6080 | 50.7980 | |
| December | 49.8130 | 49.9230 | 52.7240 | 50.7440 | |

[1] Standard deviation of daily exchange rates

Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas