## 12 PESOS PER US DOLLAR RATE [1]

for periods indicated

| Period | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|---|
| **Monthly Averages** | | | | | | |
| January | 44.9266 | 44.6044 | 47.5111 | 49.7363 | 50.5087 | 52.4679 |
| February | 44.8950 | 44.2214 | 47.6361 | 49.9614 | 51.7856 | |
| March | 44.7916 | 44.4457 | 46.7240 | 50.2752 | 52.0676 | |
| April | 44.6416 | 44.4136 | 46.2845 | 49.8626 | 52.0986 | |
| May | 43.9236 | 44.6106 | 46.8023 | 49.8603 | 52.1948 | |
| June | 43.8175 | 44.9831 | 46.4645 | 49.8501 | 53.0476 | |
| July | 43.4665 | 45.2649 | 47.0581 | 50.6382 | 53.4329 | |
| August | 43.7673 | 46.1420 | 46.6809 | 50.8747 | 53.2735 | |
| September | 44.0751 | 46.7504 | 47.4294 | 51.0094 | 53.9419 | |
| October | 44.7979 | 46.3609 | 48.3482 | 51.3433 | 54.0086 | |
| November | 44.9514 | 47.0067 | 49.1550 | 51.0384 | 52.8083 | |
| December | 44.6878 | 47.2303 | 49.8156 | 50.3947 | 52.7691 | |
| **Average** | **44.3952** | **45.5028** | **47.4925** | **50.4037** | **52.6614** | **52.4679** |
| **% Appreciation(+) / Depreciation(-)** | **-4.39** | **-2.43** | **-4.19** | **-5.78** | **-4.29** | |
| **Volatility [2]** | **0.5710** | **1.0807** | **1.1040** | **0.5867** | **1.0107** | |
| **End-of-Period** | | | | | | |
| January | 45.1550 | 44.1320 | 47.8230 | 49.8140 | 51.4210 | 52.3520 |
| February | 44.6560 | 44.0870 | 47.5600 | 50.2670 | 52.0340 | |
| March | 44.9960 | 44.7960 | 46.1080 | 50.1940 | 52.2070 | |
| April | 44.4630 | 44.2500 | 46.7730 | 49.6990 | 51.9650 | |
| May | 43.9270 | 44.6500 | 46.7750 | 49.8670 | 52.6890 | |
| June | 43.7800 | 45.2000 | 46.9600 | 50.4660 | 53.5220 | |
| July | 43.4210 | 45.6180 | 47.0850 | 50.5820 | 53.2630 | |
| August | 43.6480 | 46.7050 | 46.4670 | 51.1660 | 53.4340 | |
| September | 44.9660 | 46.9260 | 48.2570 | 51.0730 | 54.2510 | |
| October | 44.8760 | 46.8900 | 48.5150 | 51.7990 | 53.6060 | |
| November | 44.9160 | 47.0690 | 49.7770 | 50.3650 | 52.6080 | |
| December | 44.6170 | 47.1660 | 49.8130 | 49.9230 | 52.7240 | |

[1] Weighted average rate under the Philippine Dealing System (PDS) starting 04 August 1992

[2] Standard deviation of daily exchange rate