## 12 PHILIPPINE PESO PER US DOLLAR EXCHANGE RATE
for periods indicated

| Period | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|---|---|---|---|---|
| Monthly Average | | | | | |
| January | 52.4679 | 50.8386 | 48.0614 | 51.2353 | 54.9913 |
| February | 52.1901 | 50.7448 | 48.2042 | 51.2807 | |
| March | 52.4134 | 50.9036 | 48.5743 | 52.0740 | |
| April | 52.1122 | 50.7349 | 48.4620 | 51.9760 | |
| May | 52.2620 | 50.5556 | 47.9552 | 52.3618 | |
| June | 51.8029 | 50.0972 | 48.1247 | 53.5685 | |
| July | 51.1429 | 49.4675 | 49.9430 | 55.8925 | |
| August | 52.0547 | 48.8433 | 50.2343 | 55.7501 | |
| September | 52.1052 | 48.5057 | 50.1421 | 57.4338 | |
| October | 51.5042 | 48.4822 | 50.7491 | 58.8247 | |
| November | 50.7268 | 48.2521 | 50.3571 | 57.6523 | |
| December | 50.7671 | 48.0637 | 50.2478 | 55.6839 | |
| Average | 51.7958 | 49.6241 | 49.2546 | 54.4778 | 54.9913 |
| % Appreciation (+) / Depreciation (-) | 1.67 | 4.38 | 0.75 | -9.59 | |
| Volatility [1/] | 0.6400 | 1.0884 | 1.0792 | 2.6219 | |
| End-of-Period | | | | | |
| January | 52.3520 | 50.9040 | 48.1210 | 51.2730 | 54.5450 |
| February | 52.0060 | 50.9370 | 48.6370 | 51.2910 | |
| March | 52.7820 | 51.0440 | 48.4660 | 51.9600 | |
| April | 52.1060 | 50.5890 | 48.3900 | 52.1580 | |
| May | 52.2570 | 50.7270 | 47.9010 | 52.2430 | |
| June | 51.3580 | 49.8510 | 48.5440 | 55.0210 | |
| July | 51.0130 | 49.2170 | 50.3420 | 55.7220 | |
| August | 52.3390 | 48.6210 | 50.0400 | 56.2430 | |
| September | 52.0420 | 48.4650 | 50.9590 | 58.9100 | |
| October | 51.0330 | 48.4010 | 50.7700 | 58.2880 | |
| November | 50.7980 | 48.1020 | 50.4580 | 56.7960 | |
| December | 50.7440 | 48.0360 | 50.7740 | 56.1200 | |

[1/] Standard deviation of daily exchange rates

Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas

Classification: GENERAL