|  |  |  |  |
| --- | --- | --- | --- |
| Item | | Price | link |
| 2 | Solar Panel | 400 | <https://ampere-electronics.com/product/solar-panel-10w-18v-238x360mm/> |
| 3 | Charge Controller | 450 | <https://ram-e-shop.com/product/pwm-solar-charge-controller-12v-24v-auto-30a-ft-d1230/> |
| 4 | Battery 12 v | 450 | <https://makerselectronics.com/product/acid-battery-12v-2ah> |
| 5 | GSM | 220 | <https://store.fut-electronics.com/products/sim800l-gprs-gsm-module?_pos=9&_sid=cd140909e&_ss=r> |
| 6 | Blue Pill | 180 | <https://store.fut-electronics.com/products/copy-of-stm32f103c8t6-stm32-development-board-original-ic-the-blue-pill?_pos=1&_sid=30aef2076&_ss=r> |
| 7 | Limit Switch | 10 | <https://ram-e-shop.com/product/ms-3/> |
| 8 | 5X Regulator | 5\*5=25 | <https://ram-e-shop.com/product/lm317t/> |
| **Total Cost (EGP)** | | 1735 | |

Weather Station

**Description: -**

The weather station will collect data on a variety of meteorological conditions, including Soil temperature, Soil humidity, Soil Conductivity, Soil PH, Soil Nitrogen, Soil Phosphorus and Soil Potassium. This data will be uploaded to Google Sheet, and it will be used to improve agricultural practices and increase crop yields.

**Components: -**