**Cost of material**

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| --- | --- | --- | --- |
| Component Used | Quantity | Rate | Cost |
| Arduino Due  ([Atmel SAM3X8E ARM Cortex-M3 CPU](http://www.atmel.com/Images/Atmel-11057-32-bit-Cortex-M3-Microcontroller-SAM3X-SAM3A_Datasheet.pdf)) | 1 | 1800/- | 1800/- |
| **Zigbee bee Pair** | **1** | **2000/-** | **2000/-** |
| **Zigbee USB base** | 2 | 250/- | 500/- |
| **Graphic LCD**  **(JHD12864E)** | 1 | 800/- | 800/- |
| **RF ID Reader** | 1 | 750/- | 750/- |
| **RF Tag** | 4 | 25/- | 100/- |
| **Atmega 328P** | 1 | 220/- | 220/- |
| **28 pin IC base** | 1 | 8/- | 8/- |
| **16Mhz Crystal** | 1 | 15/- | 15/- |
| **22 pf disc capacitor** | 2 | 5/- | 10/- |
| **7805** | 1 | 15/- | 15/- |
| **470uf 25V capacitor** | 2 | 5/- | 10/- |
| **Diode 1N4007** | 2 | 1/- | 2/- |
| **Slide Switch** | 1 | 5/- | 5/- |
| **10K Pot** | 1 | 10/- | 10/- |
| **LED 5mm** | 1 | 5/- | 5/- |
| **470Ohm ¼ Watt Resistor** | 5 | 1/- | 5/- |
| **10KOhm ¼ Watt Resistor** | 5 | 1/- | 5/- |
| **16 pin IC base** | 2 | 8/- | 16/- |
| **Max232** | 1 | 15/- | 15/- |
| **DB9 PCB mount male** | 1 | 10/- | 10/- |
| **Male Burge strip 1X40** | 2 | 10/- | 20/- |
| **Female Burge Strip 1X40** | 1 | 10/- | 10/- |
| **1uf 63V Capacitor** | 5 | 5/- | 25/- |
| **DC pin PCB Mount** | 1 | 10/- | 10/- |
| **12V, 500mA Transformer** | 1 | 150/- | 150/- |
| **W10 Bridge Rectifier** | 1 | 15/- | 15/- |
| **1000uf 63V capacitor** | 1 | 10/- | 10/- |
| **Power Connector** | 3 | 10/- | 30/- |
| **L293D Motor Drive** | 1 | 70/- | 70/- |
| **12V 60RPM DC Motor** | 1 | 150/- | 150/- |
| **IP Pair** | 4 | 10/- | 40/- |
| **3 pin Relimate Connectors** | 4 | 10/- | 40/- |
| **2 pin Relimate Connectors** | 2 | 10/- | 20/- |
| **12V 1A Adapter** | 2 | 100/- | 200/- |
| **Female to female Single pin connector** | 10 | 5/- | 50/- |
| **PCB manufacture** | 5 | 100/- | 500/- |

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| Total Cost | 7681/- |