**Supply chain management**

**Sources and prices of the required parts :**

|  |  |  |  |
| --- | --- | --- | --- |
| Note | Source | Price | Part |
| Motor (output) | | | |
|  | AliExpress | 12,14 SR | **Servo motor** |
|  | AliBaba | 287,14 SR | **Brushless geared hub motor** |
| Controls (processing) | | | |
|  | AliExpress | 10,53 SR | **Arduino Uno** |
|  | AliExpress | 4,93 SR | **Esp32** |
| 2 GB | AliBaba | 47,93 SR | **Jeston Nano** |
| Sensors (input) | | | |
| 12 meter | AliExpress | 870,59 SR | **LiDAR A2 delta** |
|  | AliBaba | 3 SR | **Ultrasonic** |

**The Parts prices for manufacturing one robot :-**

|  |  |  |  |
| --- | --- | --- | --- |
| Total price | Quantity | Price | Part |
| Motor (output) | | | |
| 24,28 SR | 2 | 12,14 SR | **Servo motor** |
| 574,28 SR | 2 | 287,14 SR | **Brushless geared hub motor** |
| Controls (processing) | | | |
| 52,65 SR | 5 | 10,53 SR | **Arduino Uno** |
| 4,93 SR | 1 | 4,93 SR | **Esp32** |
| 47,93 SR | 1 | 47,93 | **Jeston Nano** |
| Sensors (input) | | | |
| 870,59 SR | 1 | 870,59 SR | **LiDAR A2 delta** |
| 3 SR | 1 | 3 SR | **Ultrasonic** |

**The number of robots to be completed within the specified period :**

**40 Robots**

|  |  |  |
| --- | --- | --- |
| The total supply chain cost of producing 40 robots |  | The total cost of manufacturing one robot |
| 63,106.4 SR |  | **1577,66 SR** |