**COST ESTIMATION (WARRIOR HELMET)**

**MATERIAL COST**

|  |  |  |  |
| --- | --- | --- | --- |
| Part | Rate(Rs.) | Quantity | Amount(Rs.) |
| Metal Cap (MS) | 0.64Rs/cm3 | D-200mm x 0.5mm | 10.05 Rs |
| Metal Cap Joint (0.35mm GI) | 0.97Rs/cm3 | 60mm x 60mm x 0.35mm | 1.22 Rs |
| Strips (MS) | 0.64Rs/cm3 | 2\*(25 x 370 x 0.5) mm3 | 5.92 Rs |
| Rim (MS) | 0.64Rs/cm3 | 25 mm x 605mm x 1mm | 9.68 Rs |
| Petals (0.35mm GI) | 0.97Rs/cm3 | 30 mm x 40 mm x 0.5mm | 0.5 Rs |
| Face (Al) | 380 Rs/kg | 800 g | 304 Rs |
| Bidding strips (0.35mm GI) | 0.97 Rs/cm3 | 2\*(4cm x 24cm x 0.35mm) | 6.5 Rs |
| Thermocol | 45 Rs/m3 | 25cm\*20cm\*3cm | 0.07 Rs |
| Sandpaper for thermocol | 7 Rs/sheet | 1\*(9 x 11 inch,No. 80) | 7 Rs |
|  |  | **TOTAL** | 344.94 Rs. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Labor Charges** | **Cost/hr(Rs)** | **Quantity** | **Amount(Rs.)** |
| i.Skilled | 123 | 3 hr | 369 |
| ii.Unskilled | 92 | 84 hr | 7728 |
| Other things |  |  | 100 |
| Electricity | 7 per unit | 2 unit | 14 |
|  |  | **TOTAL** | 8211 Rs. |

**Cost of Material and labour charges**

= 344.94+8211 =8555.94

Overhead Charges=10%= 855.59

So total cost= 9411.53

**Cost of Machining**

|  |  |  |  |
| --- | --- | --- | --- |
| **Machine** | **Cost/hr** | **Hrs.** | **Amount(Rs.)** |
| **Drilling** | 50 | 60 min | 50 |
| **Welding** | 100 | 30 min | 50 |
|  |  | **TOTAL** | 100 |

Total cost = Material cost + Labour charges+ Machining cost

= 9411.53 + 100

= **Rs.9511.53**

**TOTAL PROJECT COST= ₹ 9511.53**