

COST ESTIMATION (WARRIOR HELMET)

MATERIAL COST

Part	Rate(Rs.)	Quantity	Amount(Rs.)
Metal Cap (MS)	0.64Rs/cm ³	D-200mm x 0.5mm	10.05 Rs
Metal Cap Joint (0.35mm GI)	0.97Rs/cm ³	60mm x 60mm x 0.35mm	1.22 Rs
Strips (MS)	0.64Rs/cm ³	2*(25 x 370 x 0.5) mm ³	5.92 Rs
Rim (MS)	0.64Rs/cm ³	25 mm x 605mm x 1mm	9.68 Rs
Petals (0.35mm GI)	0.97Rs/cm ³	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/cm ³	2*(4cm x 24cm x 0.35mm)	6.5 Rs
Thermocol	45 Rs/m ³	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

$$= 344.94 + 8211 = 8555.94$$

$$\text{Overhead Charges} = 10\% = 855.59$$

$$\text{So total cost} = 9411.53$$

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

$$= 9411.53 + 100$$

$$= \text{Rs.9511.53}$$

TOTAL PROJECT COST= ₹ 9511.53