**COST ANALYSIS**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Cost (per unit) TL | Quantity | Total |
| Capacitor (680µF, 400V) | 18 | 2 | 36 |
| Inductor coil (20A) | 5 | 2(meters) | 10 |
| MOSFET | 8 | 2 | 16 |
| Heatsink for Mosfet | 13 | 1 | 13 |
| Bridge Rectifier (35A) | 15 | 1 | 15 |
| Heatsink for Rectifier | 5 | 1 | 5 |
| Freewheeling diode (20A) | 5 | 2 | 10 |
| Heatsink for FW Diode | 2 | 1 | 2 |
| Optocoupler | 3 | 2 | 6 |
| Pertinax | 5 | 1 | 5 |
| Cable | 3 | 2(meters) | 6 |
| Arduino | 35 | 1 | 35 |
| **OVERALL** |  |  | **159** |

|  |  |  |  |
| --- | --- | --- | --- |
| Project stages | Working hours | | |
| Özgur | Talgat | M.Emin |
| Conceptual design | 3 | 2 | 3 |
| Component purchase | 2 | 2 | 2 |
| Build / Test | 28 | 30 | 27 |
| Demo / Report | 4 | 3 | 5 |
| TOTAL | 37 | 37 | 37 |
| Hour = 30 TL | 1110 | 1110 | 1110 |

Total project cost - 3489 TL