|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tasks** | **Budget** | **Duration** | **Progress** | **AC** | **Completion pers** |
| Planning | 10,000EGP | 50H | 100% | 9,000EGP | 8.3% |
| Design | 25,000EGP | 116H | 100% | 25,500EGP | 19.3% |
| Implementation | 90,000EGP | 300H | 50% | 40,000EGP | 50% |
| Testing | 30,000EGP | 110H | 30% | 10000EGP | 18.4% |
| Documentation | 8,000EGP | 24H | 0% | -- | 4% |

Assume that 5 weeks passed for the project start.

Total Estimated time 8 weeks.

Project Complete 64%

* By how much, is it over/under budget?

Budget = 10000+25000+90000+30000+8000=163,000 EGP

AC=9K+2.5K+40K+10K=84,500 EGP

It is under budget with 11,000 EGP

* By how many days, is it ahead/behind the schedule?

Estimated to be ahead of the schedule 24H.

* By the end of the project, by how much will it be over/under budget?

It will be under budget

-Calculate CV, SV, CPI, SPI, EAC

•PV = Percent Complete (planned) \*Task Budget=.6\*163000=79800

•EV = Percent Complete (actual) \*Task Budget=.64\*163000=104,320

•AC = Actual Cost=84,500

•SV = EV – PV=104,320-79800=24,520

•SPI = EV/PV=104,320/79800=1.3

•CV = EV – AC=104,320-84,500 =19,820

•CPI = EV/AC=104,320/84,500 =1.2

•EAC = BAC/CPI=1.3/1.2=.98