

Project budget = 10000 Hrs & num of engineers = 5 Assuming each engineer works for 9 hours a day and works 25 days a month.

Project period in month = $10000 / (9 * 25 * 5) = 8.88$ month Assuming risk tolerance value of 1.22 months

Project period = 10 months

My current position in project period = $7000 / (9 * 25 * 5) = 6.2$ months

earned value = $55\% * 10000 = 5500$ hours

Actual cost = 7000 hours

Q1: is project over budget?

Over budget = $7000 - 5500 = 1500$ hours

Yes, project is over budget with 1500 hours

Q2: is project delayed?

planned value = $(6.2/10) * 10000 = 6200$

Yes, project delayed by: $6200 - 5500 = 700$ hours

Delay in days = $700 / (9 * 5) = 15.5$ working days.

Time in months	planned value	Actual cost	Earned cost
1	1000	1130	887
2	2000	2258	1774.2
3	3000	3387	2661.3
4	4000	4516	3548
5	5000	5645	4420
6	6000	6774	5400
6.2	6200	7000	5500
7	7000	7900	6200
8	8000	9000	7100
9	9000	10160	7983
10	10000	11290	8871

