**Monitoring via EVM**

1. **By How much, is it over/under budget?**

Over budget by 300KS

1. **By How many days, is it ahead/behind the schedule?**

Behind the schedule by 1 month

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

Over budget by 500KS

1. **Calculate CV, SV, CPI, SPI, EAC**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **ACWP** | **BCWP** | **BCWS** |
| 1 | 600 | 600 | 600 |
| 2 | 1400 | 1200 | 1200 |
| 3 | 200 | 200 | 400 |
| 4 | 500 | 400 | 800 |
| 5 | 0 | 0 | 0 |
| **Total** | 2700 | 2400 | 3000 |

ACWP: Actual cost of work performed

BCWP: Budgeted cost of work performed

BCWS: Budgeted cost of work scheduled

CV = BCWP - ACWP = 2400 – 2700 = -300

SV = BCWP – BCWS = 2400 – 3000 = -600

CPI = BCWP/ACWP = 2400/2700 = 0.889

SPI = BCWP/ BCWS = 2400/3000 =0.8

EAC = BAC/CPI = 3700/0.889 = 4162