**Earned Value Analysis (EVA)**

The project has 42 planned work tasks that are estimated to require PM\*22= 17\*22 = 374 person-days to complete. At the time, 9 tasks have been completed. However, the project schedule indicates that 12 tasks should have been completed. The following scheduling data (in person-days) are avalable:

|  |  |  |
| --- | --- | --- |
| Task | Planned Effort | Actual Effort |
| 1 | 10 | 12 |
| 2 | 8 | 9 |
| 3 | 9 | 10 |
| 4 | 14 | 13 |
| 5 | 9.5 | 8.5 |
| 6 | 8.5 | 10 |
| 7 | 7 | 6.5 |
| 8 | 13 | 12 |
| 9 | 8 | 7 |
| 10 | 5 |  |
| 11 | 6 |  |
| 12 | 4 |  |

Total Task = 42; Effort Estimated= 374 person-day

BCWS= 102; BCWP=87; ACWP= 88

* BAC = 374.00
* SPI = BCWP/ BCWS = 87/ 102 = 0.85
* SV = BCWP - BCWS = 87 - 102 = -15 person-day
* CPI = BCWP/ ACWP = 87/ 88 = 0.9
* CV = BCWP – ACWP = 87 - 88 = -1 person-day
* % schedule for completion = BCWS/ BAC = 102 / 374.00 = 27.27 %

[% of work scheduled to be done at this time]

* % complete = BCWP/ BAC = 87 / 374.00 = 23.26%  
   [% of work completed at this time]