

Home Assignment - Budgeting

1





1- Project activities of a project have been calculated as in table in below. The contingency cost of the project is considered 15% (equally divided over the course of the project). There is estimated an overhead cost of 5% from start to the end of project. The contractor has won the project at the (net) rate of 250 MT. Client will pay 20% of the project cost in advance. 20% cost of the project will be paid after the completion of the activity C. Conservatively calculate the project cost on **monthly basis** and see if the contractor needs to have any cash in hand for the project. If yes, what is the maximum value contractor needs? (50% mark)

| Task Name | Baseline Start | Baseline Finish | Cost (MT) |
|-----------|----------------|-----------------|-----------|
| A | 2013-05-01 | 2013-07-06 | \$30.00 |
| B | 2013-06-07 | 2013-07-09 | \$30.00 |
| C | 2013-06-20 | 2013-09-06 | \$40.00 |
| D | 2013-08-10 | 2013-09-13 | \$35.00 |
| E | 2013-07-15 | 2013-10-20 | \$50.00 |

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2

 2- Project activities of a project have been calculated as in table in below. The  contingency cost of the project is considered 10% (proportional to the periodical cost). In addition to the project manager salary with the weekly rate 1MT, there is an overhead cost of 10% estimated for the project. The contractor has won the project at the (net) rate of 30 MT. Client will pay 30% of the project cost in advance. 20% cost of the project will be paid after the completion of the activity B. Optimistically calculate the project costs on **weekly basis** and see if the contractor needs to have any cash in hand for the project. If yes, what is the maximum value contractor needs? (the project starts at Saturday Jun 4th, 2013; working week is from Saturday to Friday). (50% mark)

| Task Name | Baseline Start | Baseline Finish | Cost (MT) |
|-----------|----------------|-----------------|-----------|
| A | 2013-06-04 | 2013-06-13 | \$5.00 |
| B | 2013-06-07 | 2013-06-14 | \$6.00 |
| C | 2013-06-10 | 2013-06-18 | \$2.00 |
| D | 2013-06-15 | 2013-06-25 | \$5.00 |
| E | 2013-06-16 | 2013-06-28 | \$5.00 |