Description of Material Resources Consumed and Produced During Simulation

Report

Simulation

|  |  |
| --- | --- |
| **Start** | 1/1/2022 09:00:00 |
| **End** | 12/31/2022 18:00:00 |
| **Duration** | 364d.09:00:00 |

Material Resources Consumed

| # | Resource | Total Cost,TEUR | Total Quantity Consumed | Total Wait Time |
| --- | --- | --- | --- | --- |
| 1. | A4 sheet | title | 4,040 | items | title |
| 2. | Mail services | title | 44 | times | title |
| 3. | Material assets | title | 37 | sets | title |
| 4. | Printer (printing of one sheet) | title | 3,797 | items | title |

Products Produced

| # | Product | Total Production Cost, TEUR | Total Quantity Produced |
| --- | --- | --- | --- |
| 1. | Instrument | 10.57 | 232 | items |
| 2. | Material assets | 10.57 | 44 | sets |

Consumption of Material Resources

1. A4 sheet

|  |  |
| --- | --- |
| **Price** | 0.3000 EUR |
| **Unit** | items |

Consumed when Performing Instances of the Following Processes:

| # | Process | Avg Cost, TEUR | Total Cost,TEUR | Avg Quantity Consumed | Total Quantity Consumed | Avg Wait Time | Total Wait Time |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | A4.1.2 Develop project requirements specification | title | title | 12 | 12 | title | title |
| 2. | A4.1.3 Create preliminary design | title | title | 5 | 5 | title | title |
| 3. | A4.1.4 Develop and adjust project plan | title | title | 6 | 6 | title | title |
| 4. | A4.1.5 Analyze materials and instruments requirements | title | title | 5 | 5 | title | title |
| 5. | A4.1.6 Draw up and issue project tasks | title | title | 6 | 6 | title | title |
| 6. | A4.2.1 Perform pre-project survey | title | title | 9.6 | 417 | title | title |
| 7. | A4.2.2 Draw up and analyze Technical Design | title | title | 22.37 | 969 | title | title |
| 8. | A4.2.3.3 Perform construction and installation operations | title | title | 10.59 | 371 | title | title |
| 9. | A4.2.4 Prepare and issue executive documentation | title | title | 29.5 | 912 | title | title |
| 10. | A4.2.5 Perform start-up works | title | title | 10.16 | 254 | title | title |
| 11. | A4.3.1 Put system into operation | title | title | 21.61 | 534 | title | title |
| 12. | A4.3.2 Draw up list of comments on project | title | title | 14.28 | 257 | title | title |
| 13. | A4.3.3 Close project | title | title | 6.72 | 121 | title | title |
| 14. | A6.1 Develop procurement plan | title | title | 12 | 12 | title | title |
| 15. | A6.4 Purchase materials and instruments | title | title | 3.61 | 159 | title | title |

1. Mail services

|  |  |
| --- | --- |
| **Price** | 50.0000 EUR |
| **Unit** | times |

Consumed when Performing Instances of the Following Processes:

| # | Process | Avg Cost, TEUR | Total Cost,TEUR | Avg Quantity Consumed | Total Quantity Consumed | Avg Wait Time | Total Wait Time |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | A4.2.2 Draw up and analyze Technical Design | title | title | 1.11 | 44 | title | title |

1. Material assets

|  |  |
| --- | --- |
| **Price** | 10.0000 TEUR |
| **Unit** | sets |

Consumed when Performing Instances of the Following Processes:

| # | Process | Avg Cost, TEUR | Total Cost,TEUR | Avg Quantity Consumed | Total Quantity Consumed | Avg Wait Time | Total Wait Time |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | A4.2.3.3 Perform construction and installation operations | title | title | 1 | 37 | title | title |

1. Printer (printing of one sheet)

|  |  |
| --- | --- |
| **Price** | 2.0000 EUR |
| **Unit** | items |

Consumed when Performing Instances of the Following Processes:

| # | Process | Avg Cost, TEUR | Total Cost,TEUR | Avg Quantity Consumed | Total Quantity Consumed | Avg Wait Time | Total Wait Time |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | A4.1.2 Develop project requirements specification | title | title | 12 | 12 | title | title |
| 2. | A4.1.3 Create preliminary design | title | title | 5 | 5 | title | title |
| 3. | A4.1.4 Develop and adjust project plan | title | title | 4 | 4 | title | title |
| 4. | A4.1.5 Analyze materials and instruments requirements | title | title | 4 | 4 | title | title |
| 5. | A4.1.6 Draw up and issue project tasks | title | title | 5 | 5 | title | title |
| 6. | A4.2.1 Perform pre-project survey | title | title | 9.28 | 405 | title | title |
| 7. | A4.2.2 Draw up and analyze Technical Design | title | title | 22.32 | 957 | title | title |
| 8. | A4.2.3.3 Perform construction and installation operations | title | title | 10.5 | 367 | title | title |
| 9. | A4.2.4 Prepare and issue executive documentation | title | title | 29.15 | 901 | title | title |
| 10. | A4.2.5 Perform start-up works | title | title | 9.88 | 247 | title | title |
| 11. | A4.3.1 Put system into operation | title | title | 21.83 | 527 | title | title |
| 12. | A4.3.2 Draw up list of comments on project | title | title | 3.5 | 63 | title | title |
| 13. | A4.3.3 Close project | title | title | 6.94 | 125 | title | title |
| 14. | A6.1 Develop procurement plan | title | title | 7 | 7 | title | title |
| 15. | A6.4 Purchase materials and instruments | title | title | 3.82 | 168 | title | title |

Production of Products

1. Instrument

|  |  |
| --- | --- |
| **Unit** | items |

Produced After Executing Instances of the Following Processes:

| # | Process | Avg Production Cost,TEUR | Total Production Cost,TEUR | Avg Quantity Being Produced | Total Quantity Produced |
| --- | --- | --- | --- | --- | --- |
| 1. | A6.4 Purchase materials and instruments | 0.24 | 10.57 | 5.27 | 232 |

Production of Products

1. Material assets

|  |  |
| --- | --- |
| **Unit** | sets |

Produced After Executing Instances of the Following Processes:

| # | Process | Avg Production Cost,TEUR | Total Production Cost,TEUR | Avg Quantity Being Produced | Total Quantity Produced |
| --- | --- | --- | --- | --- | --- |
| 1. | A6.4 Purchase materials and instruments | 0.24 | 10.57 | 1 | 44 |