**MUSE Basis of Estimate**

**Supply and Stoppers for Scintillator Construction WBS 7**

I. General Information

Task Name: Purchase of supplies and stoppers for scintillator construction

Unique ID Number

Date of Estimate: 12/19/2015

Estimate Generator: Steffen Strauch

Cost Category:

X M&S

SWF

Comments:

Vendor Quote Number if Applicable:

Drawing Reference Number or Attachment:

Costing Method: estimate based on JLab FTOF experience

Total Task Cost: $18,058

Total Contingency: $3,973

II. Cost Estimate Breakdown

Cost of each element, along with justification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | QTY | Description | Unit Price USD | Total Price USD |
| 1 | 106 | Supply (glue, aluminized Mylar and DuPont Tedlar foils, rubber, tape); per detector element | $100 | $10,600 |
| 2 | 204 | Stopper to secure the glued PMT to SC connection; per PMT | $30 | $6,120 |
| 3 |  | 8% SC Tax |  | $1,338 |
|  |  | **Total** |  | **$18,058** |

III. Contingency and risk analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Technical | Design | Cost | Schedule | Contingency |
| Supplies | 2 | 4 | 4 | 6 | 22% |

IV. Time Estimates and contingency on time

Time estimate is (optimistic+pessimistic+4\*most-likely)/6.

Sigma is (pessimistic-optimistic)/6.

Be sure to indicate if work days or calendar days.



Comments:

