**MUSE Basis of Estimate**

**Shipping of Scintillator Detectors WBS 7**

I. General Information

Task Name: Purchase of shipping crate and shipping of scintillators

Unique ID Number [leave this for RR]

Date of Estimate: 01/18/2014

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 (year?) for shipping crates, online quote for USP air freight.

Total Task Cost: $44,215

Total Contingency: $9,285

II. Cost Estimate Breakdown

Cost of each element, along with justification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | QTY | Description | Unit Price USD | Total Price USD |
| 1 | 46 | Backing structure to support pairs of two scintillator bars for the TOF wall; the backing structure will be mounted on the frame. | $890 | $40,940 |
| 2 |  | 8% SC Tax |  | $3,275 |
|  |  | Total |  |  **$44,215** |

III. Contingency and risk analysis

Use the table on the last page to estimate risks.



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: No estimate yet.

