**MUSE Basis of Estimate**

**Shipping Crates and Shipping Charges to and from PSI WBS 7**

I. General Information

Task Name: Purchase of shipping crates and shipping charges to and from PSI

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 the shipping crates, online estimate of UPS Air Freight on October 11, 2013.

Total Task Cost: $33,516

Total Contingency: $7,038

II. Cost Estimate Breakdown

Cost of each element, along with justification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | QTY | Description | Unit Price USD | Total Price USD |
| 1 | 2 | Shipping crates (incl. tax) | $1,800 | $3,600 |
| 2 | 2 | Shipping to PSI (1 crate, 50 scintillators, 700 kg each) | $5,400 | $10,800 |
| 3 | 1 | Shipping back to US (2 crates) | $10,800 | $10,800 |
| 4 |  | Indirect cost (33%, on campus training and service rate) |  | $8,316 |
|  |  | Total |  | **$33,516** |

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.

