**MUSE Basis of Estimate**

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

I. General Information

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

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 for the shipping crates, online estimate of UPS Air Freight on 11/03/2015.

Total Task Cost: $18,066

Total Contingency: $3,975

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 | 1 | Shipping to PSI (2 crate, 50 scintillators, 700 kg each) | $8,732 | $8,732 |
| 3 |  | Indirect cost (46.5) |  | $5,734 |
|  |  | Total |  | **$18,066** |

III. Contingency and risk analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Technical | Design | Cost | Schedule | Contingency |
| Shipping | 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:

