**MUSE Basis of Estimate**

**BC-404 Plastic Scintillators WBS 7**

I. General Information

Task Name: Scintillator Purchase

Unique ID Number

Date of Estimate: 01/18/2014

Estimate Generator: Steffen Strauch

Cost Category:

 X M&S

 SWF

Comments:

Vendor Quote Number if Applicable: QUO-36102-0CHBMP

Drawing Reference Number or Attachment:

Costing Method: Vendor quote

Total Task Cost: $78,540

Total Contingency: $12,566

II. Cost Estimate Breakdown

Cost of each element, along with justification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | QTY | Description | Unit Price USD | Total Price USD |
| 1 | 36 | BC-404, 2cm x 6cm x 112cm | $350 | $12,600 |
| 2 | 56 | BC-404, 6cm x 6cm x 211cm | $1,019 | $57,064 |
| 3 | 6 | BC-404, 1cm x 6cm x 36cm | $215 | $1,290 |
| 4 | 8 | BC-404, Wedge 6cm x 10cm | $221 | $1,768 |
| 5 |  | 8% SC Tax |  | $5,818 |
|  |  | **Total** |  | **$78,540** |

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: Time estimate in **weeks** based on manufacturers estimated lead-time of 8 – 10 weeks after receipt of order.

