

Zimbra

xiaochao@jlab.org

Quote# H17-041A Re: Request for updated quotes for JLab SOLID project (LASPD, FASPD, lightguides)

From : Chuck Hurlbut <churlbut@eljentechnology.com> Fri, Mar 10, 2017 05:51 PM
Subject : Quote# H17-041A Re: Request for updated quotes for JLab SOLID project (LASPD, FASPD, lightguides)
To : Xiaochao Zheng <xiaochao@jlab.org>
Cc : Chris Maxwell <cmaxwell@eljentechnology.com>, James Cleckler <jcleckler@eljentechnology.com>

Hi Xiaochao,

Please accept my apologies for taking so long with this. The information you sent references the original quotations was very helpful. I was able to go over them in detail and to understand the approach to the project that Stephanie Wiele used and also some of the good advice she had received from our manufacturing folks regarding the most efficient manufacturing methods.

Please see the following offer with the updated prices.
One other thing. The FASPD scintillators with the fiber grooves, have the same costs for the 5mm and 6mm thick tiles.

Quotation No. H7-041A

[ITEM 1] LASPD SCINTILLATORS, 60 pieces

Description: EJ-200 20mm thick cast scintillator

Trapezoidal shaped tiles with faces clear as-cast and edges diamond-milled.

Dimensions: Length: 57.0cm with a 6.0degree included angle

Minor width: 8.30cm

Major width: 14.0cm

Unit price: \$ 228.00

[ITEM 2] Light Guide for the LASPD Scintillators, 60 pieces

Light guide fabricated in accord with Eljen concept drawing entitled Light Guide 5, concept Drawing, dated 27-Oct-2014

Light guide intended to mount to the large end of the LASPD scintillators.

Unit price: \$ 396.00

[ITEM 3] FASPD Trapezoidal Scintillator Tiles with fiber grooves, 4 sizes, 60 pieces of each size

Two thickness are offered: 5.0mm and 6.0mm

The groove depth in the 5mm thick tiles would be 3mm.

The included trapezoidal angle for all tiles: 6.00 degrees

The groove depth in the 6mm thick tiles would be 3.5 or 3.6mm, if possible. This is the limit of tooling available.

(ITEM 3.1) Tile #1, the innermost tile

Length: 23.20 cm

Minor Width: 9.80 cm

Major Width: 12.12 cm

Unit price: \$ 190.00

(ITEM 3.2) Tile #2, the second tile from the center

Length: 28.80 cm

Minor Width: 12.12 cm

Major Width: 15.00 cm

Unit price: \$ 213.00

(ITEM 3.3) Tile #3, the third tile from the center

Length: 35.60 cm

Minor Width: 15.00 cm

Major Width: 18.56 cm

Unit price: \$ 251.00

(ITEM 3.4) Tile #4, the outermost tile

Length: 44.40 cm

Minor Width: 18.56 cm

Major Width: 23.00 cm

Unit price: \$ 323.00

I think this covers all the items you requested.

As usual, please do not hesitate to write with your concerns.

Best regards.....Chuck

Charles Hurlbut
General Manager

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On 3/2/2017 9:29 AM, Xiaochao Zheng wrote:

Dear Chuck:

Have you got a chance to look into this quote request? I'd like to know the updated cost within the week, if possible.

And if you can't get the exact numbers, whether the quote will have significant change since October 2014, where the LASPD was quoted \$212/piece * 60 pieces, light guide at \$366/piece * 60 pieces, FASPD - 4 sizes - at \$177 \$200 \$235 \$303 per piece for 60 pieces each size, etc. The FASPD was quoted for 5mm thick with 3mm grooves, and the new request is for 6mm thick with 4.5 to 5mm grooves.

Thanks,

Xiaochao

----- Original Message -----

From: "churlbut" <churlbut@eljentechnology.com>

To: "Xiaochao Zheng" <xiaochao@jlab.org>

Sent: Thursday, February 16, 2017 11:00:37 AM

Subject: Re: Request for updated quotes for JLab SOLID project (LASPD, FASPD, lightguides)

Dear Yiaochao,

Thanks for your message and the three drawings. I have visitors today & tomorrow. Hope to get back to you next week with some numbers.

Best regards.....Chuck

Charles Hurlbut
General Manager

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On 2/13/2017 1:42 PM, Xiaochao Zheng wrote:

Dear Chuck:

Back in 2014 I requested a few quotes from Eljen. These are part of a large project called "SOLID" at Jefferson Lab (SOLID=Solenoid Large Intensity Device). Because it is a large project, we are still in the planning stage and we are in the process of submitting an updated funding request to DOE.

For the planning/budgeting purpose, I'd like to request an update on the quotes. I believe these were handled by Stephanie Wiele in October-November 2014, for the following three items:

1) LASPD detectors, 60 pieces:

EJ-200, 20mm thick, no groove, see file
LASPD_sketch_cropped.pdf for the size requirement

2014 quotation: \$212 for quantity of 60 or \$403 for quantity of 3 (prototyping)

2) light guides for LASPD, 60 pieces, see file JLab Fish LG 20x140x39Dmm 55deg-3.pdf for the conceptual drawing. I believe this is what we used in 2014.

2014 quotation: \$366 for quantity of (60-70) or \$732 for 1 (prototyping)

3) FASPD detectors, 4 sizes, 60 pieces per size.

See attached file FASPD_sketch_4radial_cropped.pdf for size. These are thin scintillators with grooves on the surface. The blue curves in the sketch shows roughly how we'd like

the grooves to be like, but Stephanie modified the groove design in 2014 and we ordered one prototype for that size. I have attached her sketch.

For FASPD, in 2014 I requested a quote for 5mm thick with 3mm-deep grooves. Here I'd like to have two sets of quotes:

5mm thick EJ-200 with 3mm-deep grooves;
6mm thick EJ-200 with 4.5mm-deep grooves (or as deep as the machining allows).

Therefore, for 3 it will contain 8 items (4 sizes of scintillators, two different thickness/groove depth each).

2014 quotation for 5mm thick: \$177, \$200, \$235, \$303, respectively for the 4 sizes, for quantity of 60 each.

Please let me know if this request is clear. Tracing my emails I found previous quotation numbered W14-359B and W15-026A, though I am not sure if this information can be of any help.

Thanks,

Xiaochao
