

**NCSX June 2007 ETC
TABLE V - Basis of Estimate**

WBS Number: 172
WBS Title: Base Support Structures
Job Numbers: 1702 and 1752
Job Title: Base Support Structure Design (1702) and Base Support Structure Procurements (1752)
Job Manager: Fred Dahlgren

PPPL Engineering/Tech Shop Estimate

Metal Suppliers Internet Quote

NCSX Base Support Structure Fabrication – Job 1752

Preliminary fabrication estimate based on unsigned drawings received from J. Rushinski
4/12/07

304 SS W8 x 15 equivalent, 6 pcs 24' @ \$2,797 ea*	\$17K
304SS W4 I-beam, 3 pcs 24' @ \$1,400 ea	\$ 5K
304SS 1/2" plate, 1 pc @ \$4,233 ea*	\$ 5K
Weld rod and rotobores	\$ 3K
Subtotal materials	\$30K
G&A on materials @ 25%	\$ 8K
Total Materials	\$38K

Welder @ 4 hrs per W8 I-beam "T" weld for 36 locations	144 MH
Welder @ 2 hrs per W4 I-beam "T" weld for 12 locations	48 MH
Metalsman to cut and drill beams	66 MH
Total man-hours	258 MH
Total labor cost at \$81/hr loaded	\$21K
Total cost (loaded)	\$59K

*quote from Samson Metals 4/23/07

WBS 172 NCSX Base Support Structure Fabrication.doc
Created on 5/15/2007 8:25:00 AM

Metal Suppliers Online Business Procurement Center 05/02/2007 11:42 AM

Response To Request

To: Fred Dahlgren
PPPL
PO Box 451
Princeton, NJ 08543

Buyer Quote#: B-Q-3
Supplier Quote#: rick a
RFQ ID#: 106017

From: Metal Suppliers Online
PO Box 711
Hampstead, NH 03841
p: (603) 329-0101
f: (603) 329-0171
sales@metalsuppliersonline.com

RFQ Exp Date	RFQ Del Date	Ship Via	F.O.B.	Freight Terms
4/30/2007	8 weeks ARO	No Preference	Shipping Point	Freight PPD @ All

Quantity	Units	Description	Unit Price	Total (\$ US)
10	pieces	Stainless Steel 316L Plate Thickness: 0.75 in Width: 36 in Length: 96 in solution annealed plate Domestic Material Required Shipping From: Rochester Hills, MI 48306	\$4,971.30/plate	\$49,713.00
Subtotal:				\$49,713.00
Total:				\$49,713.00

This purchase is tax exempt.
We consider alternate offers.
Accepted Payment term: New Account
This offer expires in 10 days.

Get Freight Quoted Issue P.O. Issue P.O. w/exceptions

http://www.metalsuppliersonline.com/ShopByBuyingItem.aspx?BidID=61008

Page 1 of 2

**NCSX June 2007 ETC
TABLE V - Basis of Estimate**

B&G Quote

APR 02 2007 08:56 2158221006 8009-BGR05.COM #3781 P.02/021...

Jack McAuliffe
 From: Fred Dahlgren [mailto:fdah@copi.gov]
 Sent: Monday, April 02, 2007 1:30 PM
 To: Jack McAuliffe
 Subject: Re: quote request - Gov- NEW JERSEY

Jack,
 Per our telcon., please revise quote request as follows:

718 Inconel Hex Head bolts - 1-8 n.c. x 2.5", qty 500 - **50.00 EACH**
 718 Inconel Hex Nuts - 1-8 n.c., - qty 500 - **38.00 EACH**
 718 Inconel Flat Washers Heavy series - qty 500 - **NO BID**
 718 Inconel Split Lock Washers - qty 500 - **NO BID**
QTY: 500 - 316 SS - 316 SS
 316/316L ss Hex Head bolts - 1-8 n.c. x 2.5", qty 500 - **18.75 EACH**
 316/316L ss Hex Nuts - 1-8 n.c., - qty 500 - **9.00 EACH**
 316/316L ss Flat Washers Heavy series - qty 500 - **NO BID**
 316/316L ss Split Lock Washers - qty 500 - **NO BID**

Regards, Fred

On Apr 2, 2007, at 11:15 AM, Jack McAuliffe wrote:
 Fred,
 Do not stock bolts listed. Can manufacture but need verification of material spec. Inconel 316 not a correct spec. Lead time at least 6 weeks. Advise

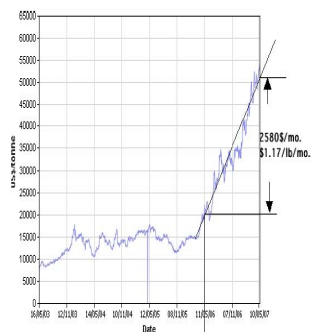
Jack McAuliffe
 800-217-1360
 Fax 215-822-1006

B&G Jack McAuliffe
 800-217-1360
 4/9/07

*VALTIA
 SS SWING BOLTS*

Subject:Quote Request:
 4/2/2007

Material price escalation - based on the prior 12 month history:

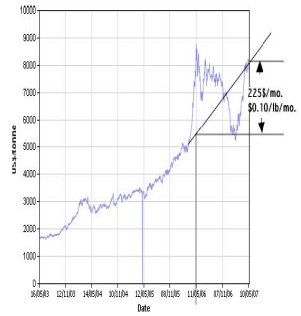


NICKEL PRICES

For \$1.17/lbmo. Cost escalation, based on the current price of \$23.00/lb, the monthly percentage rise would be 5% or -60% per year.
 Note: 1 Metric Tonne = 2200 lbs, pricing LME (cash purchases)

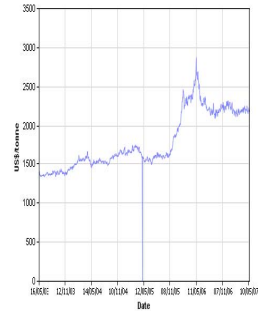
**Material Escalation
Information**

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COPPER PRICES

For 10 cents/lbmo. Cost escalation, based on the current price of \$1.84/lb., the monthly percentage



ALUMINUM PRICES

Aluminum prices have been relatively stable over the past year

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