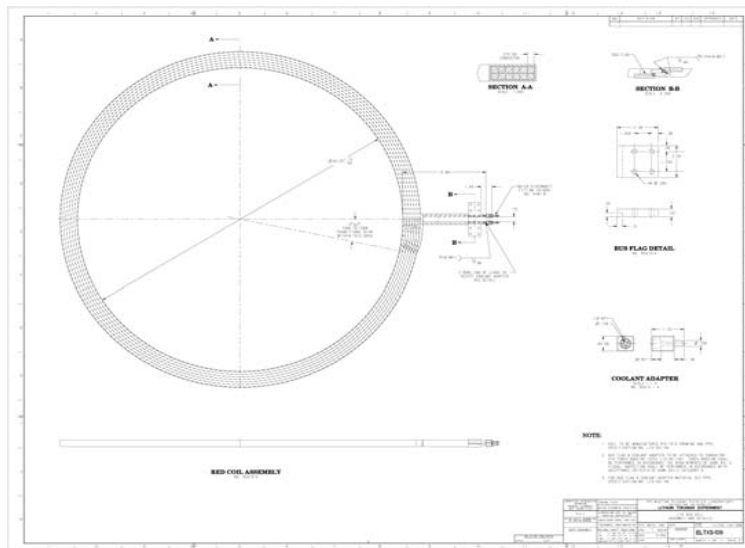


NCSX June 2007 ETC
 TABLE IV - Uncertainty of Estimate and Residual Risk Assessment

WBS Number: 133
 WBS Title: External Trim Coils
 Job Number: 1354
 Job Title: Trim Coil Design and Procurement
 Job Manager: Mike Kalish

M&S Estimate Backup

Estimate for More Complex Coil (based on Jupiter II)
 Drawing of 4th LTX Coil



Backup for LTX Costs

PRICE ANALYSIS WORKSHEET

DATE	REQUESTION NO. / AHEAD	REQUESTOR / 07-018-W	FORSUBCONTRACT
COMPARISON OF COMPETITIVE QUOTES OR COMPARISON TO PRICE HISTORY FOR SAME/SIMILAR ITEMS:			
ITEM	DESCRIPTION	QTY	Supplier / Price
1	LTX RED COIL	2	\$3,180.00 / \$6,360.00
2	LTX BLUE COIL	2	\$6,900.00 / \$13,800.00
3			
4			
5			
6			
7			
8			
9			
10			
Total:			\$24,000.00 / \$46,920.00
FOR PAID:		Date:	Date:
DELIVERY:		At Request:	12 Wks
PAYMENT TERMS:			
FOR PRICE HISTORY COMPARISON, IF APPLICABLE, DESCRIBE IMPACT OF TIME, QUANTITY, OR PRODUCT DIFFERENCES:			
USE OF ROUGH YARDSTICKS (DESCRIBE BASIS BELOW OR ON ATTACHED SHEETS):			
INDEPENDENT PRICE ESTIMATE (DESCRIBE BASIS BELOW OR ON ATTACHED SHEETS):			
PPL-P04 (Rev. 9, 06/20/04)			

Assumed 2 coils

NCSX June 2007 ETC
TABLE IV - Uncertainty of Estimate and Residual Risk Assessment

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Job Manager: Mike Kalish

Outomumpo Estimate

PRINCETON PLASMA PHYSICS

FAX 609-243-3248
 Tel 609-243-2277



1 (1)
 May 9, 2007

RFO on copper conductor

Dear Mike,

Please find our offer as follows:

Product specification and quantity:

- * CDA102 Copper, soft temper
- * Size 20mm Square with round 9mm ID, Outokumpu tool # 8456
- * In pancake coils of approximately 100 ft
- * Qty to be determined later.

Pricing:

Fabrication cost:	Up to 500lbs	One lump sum \$3,980 plus copper value
	1,000lbs	FAB \$ 4.90/lb plus copper value
	2,000lbs	FAB \$ 3.10/lb plus copper value

For Silver-bearing copper (CDA 107) add \$0.16/lb

The copper value based on the Comex market for November 2004 shipments is currently \$ 1.57/lb.

The copper value may be firmed for the month of shipment the day an order is placed, up to two weeks prior to the confirmed ex mill date, or will be automatically firmed at Outokumpu published price the Friday preceding the confirmed ex mill date.

Payment terms:

60 days from the date of invoice. Subject to credit approval.

Lead time and delivery terms:

Ex mill Pori, Finland, November 4, 2004 plus 4 weeks (estimated) ocean transit. Delivered Duty Paid (DDP Incoterms 2000) to Princeton, NJ.

Other Terms:

According to the Outokumpu Foricopper Oy's General Terms for Sales (has been supplied earlier). The interest rate in the USA for overdue payment is 12%.

Sincerely,

Outokumpu Copper – Electrical Power & Components

Petri Nordling
 Sales Manager

Cc: Asko Hakkinen, Paivi Nieminen, Denise Nolan

OUTOKUMPU COPPER – EPC Europe Division
 801 Pittsburgh Drive, Delaware OH 43015 / Tel. 740-368-7946 / Fax 740-363-3847

PPPL Calculation for Conductor Procurement

Copper Cost Estimate for Trim Coils
 Note : Includes 25% spare in final cost calculation

$$\text{Circumference} = (.5m) \times \pi$$

$$\text{Length} = 4 \times \text{Circumference}$$

$$.323 \frac{\text{lb}}{\text{m}^3} \left[(.797\text{m})^2 \times \pi \left(\frac{.354\text{in}}{2} \right)^2 \right] \text{Length} = 41.624\text{lb}$$

$$\text{Weight} = .323 \frac{\text{lb}}{\text{m}^3} \left[(.797\text{m})^2 \times \pi \left(\frac{.354\text{in}}{2} \right)^2 \right] \text{Length}$$

For 2 coils using Outokumpu Quote

$$\text{Weight} = 2 \times 1.25 \left(\frac{3.10 + 1.57}{\text{lb}} \right) = 485.958 \text{ dollars at time of quote}$$

$$\text{Weight} = 2 \times 1.25 \left(\frac{3.10 + 3.14 + 16}{\text{lb}} \right) = 165.98 \text{ dollars}$$

inflated to 407
 2.10=engineering
 3.14=copper
 16= silver bearing

NCSX June 2007 ETC
TABLE IV - Uncertainty of Estimate and Residual Risk Assessment

WBS Number: 133
WBS Title: External Trim Coils
Job Number: 1354
Job Title: Trim Coil Design and Procurement
Job Manager: Mike Kalish

Basis of Tooling Estimate

IPR-23-2004 14:30 6107465230 P.02/03



April 22, 2004

Ms. Ariene White
Princeton University
Plasma Physics Laboratory
PO Box CN-17, MS-12
Princeton, NJ 08543

Subject: RFQ Req. # 04-042-W
Everson Tesla Quotation No. 4039

Ms. White,

Thank you for your interest in Everson Tesla, Inc. and your Request for Quotation for the Jupiter 2 Electro Magnetic Coils. We are pleased to provide the following offer.

Jupiter 2 Electro Magnetic Coils:

Quantity: 10 each
Unit Price: \$4,775.00 USD each
Total Price: \$47,750.00 USD

Tooling Charge: \$12,450.00 (Non-recurring one time charge for 1 combination winding mandrel/mold and lead formers)

Scope of Work: Manufacture 10 each, Jupiter 2 Electro Magnetic Coils per Drawing # B-J2P001 and # B-J2P002, Rev. 0, dated 3.23.04

Delivery: 16 weeks ARO

Payment Terms: Net 30 days
FOB Destination
Freight Terms: Prepaid & Included

Tooling: Will be invoiced upon completion, Net 30 days

Price Validity: 60 days

We thank you for your inquiry and look forward to working with you on this project. Please feel free to call with any questions or concerns.

610 Daniels Road - Nazareth, PA 18066 • (610) 766-1530 • FAX (610) 766-4830
www.evertesla.com