

ONESOURCE

BERKLEY ENGINEERING

Dear Sirs,

Thank you for this opportunity, please see the following information on terms and conditions, and the attached quotations on the 3 different options for Drives. Also, the attached quote on Start Up Services.

Terms: Net 30 days

Freight: FOB Point of shipment, prepaid and add from factory

Delivery Items:

10 to 12 weeks ARO

3 Weeks on Drawings for approval

Notes: See attached startup proposal

Please call us if you have any questions.

Chris Caldeira
Rockwell Product Specialist
808-255-8847

Bob Myers
Account Manager
619-993-2677



Chris Caldeira
Rockwell Product Manager
Automation & Sales
ccaldeira@1sourcedist.com

Main 808/845-9377
Fax 808/845-9370
www.1sourcedist.com



3057 Kaopaka Street
Honolulu, HI 96819

ELECTRICAL • AUTOMATION • UTILITY • WATER W/W • PUMPS • INSTRUMENTS

ONESOURCE

BERKLEY ENGINEERING

Quote #: **SEA9SF0055A**
 To: Chris Caldeira

FAX: 720-497-9601

From: Stephen Ferrie - Global Drive Systems

Date: May 20, 2009

Reference: CFH Telescope Corporation

Net Price: See Below
 USD

Rockwell Automation Drive Systems Standard Terms & Conditions of Sale Apply.
 All Equipment & Service quoted is FOB Origin, Freight Prepaid and Added
 Quote valid for 30 days from date of issue.
 Payment terms are NET 30

| <u>Qty./Unit</u> | <u>Description</u> | <u>Unit Cost</u> |
|------------------|---|--------------------|
| | <u>OPTION 1 - Liquid Cooled Regenerative VFD with 3 Separate Overloads</u> | \$44,168.00 |
| | PowerFlex700L Liquid Cooled AC Drive, 480 VAC, 3 PH, 700 | |
| 1 | Vector 115V I/O | |
| 1 | Main Molded Case Circuit Breaker Disconnect | |
| 1 | NEMA 1 Enclosure | |
| 3 | T1 MCS Overload Relay, IEC, Bimetallic, 35.0-47.0A | |
| 1 | Input Reactor | |
| 1 | Door Mounted HIM with Full Numeric Keypad | |
| 3 | Invertor Duty Motors 1000:1 256TC C-Face Footed | |
| 1 | Ethernet Communication Module | |
| Note | Hook up of Coolant Plumbing to Drive done by others Reference OneSource/Berkley quote # S3120087 | |
| | <u>OPTION 2 - Air Cooled Regenerative Unit with Qty. 3 20HP VFDs</u> | \$40,325.00 |
| 1 | NEMA 1 Enclosure | |
| 1 | 180A Regenerative Unit with Input Reactors | |
| 3 | 20HP Powerflex 755 Drives with Built in Ethernet Communications | |
| 1 | Ethernet Switch | |
| 1 | NEMA 1 Fans & Filters | |
| 1 | Main Molded Case Circuit Breaker Disconnect | |
| 3 | Invertor Duty Motors 1000:1 256TC C-Face Footed | |
| 3 | Door Mounted VFD HIM(Human Interface Module) with Full Numeric Keypad | |

- 1 Set of 11"x17" Drawings and associated manuals of components used
 - 1 Electronic Copy of Drawings
- Reference OneSource/Berkley quote # S3120120

OPTION 3 - Air Cooled Regenerative Unit with Qty. 3 20HP VFDs

Same as Option 2 but Air to Water Heat Exchanger with thermostat instead of Fans to reduce heat expelled into room, utilizes customer supplied, existing coolant

Reference OneSource/Berkley quote # S3120131

\$48,105.00

Option: Remote Operator Station with up to 4 Operators, i.e Start, Stop, Jog, Speed Pot **Add \$ 1,000.00**

Included: Includes Drawings showing Connectivity, Prewired
1 Hard Copy of Drawings in ACAD/pdf, 1 Electronic Copy

Notes: See Attached Start Up Proposal C20090391
All Dimensions Approximate only until final Engineering

Delivery: 3 Weeks for Approval Drawing
10 Weeks Delivery after Acceptance of Approval drawings
Add 2 Weeks to Delivery if No Approval Drawings are Required

Invoicing Terms:
NET 30

Please address purchase order to:
OneSource Berkley
3057 Koapaka Street
Honolulu, HI 96819

Proposal No.: C20090391
DSB Proposal No.: SEA9SF0055

May 20, 2009

OneSource Distributors

Drive System's Commissioning Proposal

1. Introduction

This proposal will define the CFH Telescope Drive commissioning services solution proposed by Rockwell Automation, Inc. ("Rockwell") and the scope of supply required to provide commissioning services, based upon the following:

- This start up proposal is based on Rockwell proposal SEA9SF0055. This proposal includes options for 2 different drives – a liquid cooled drive or an air cooled drive. There is an existing chiller that would be used if the liquid cooled drive is used. The start up time on either the liquid cooled drive or the air cooled drive would then be roughly the same (assuming little to no effort for the chiller cooling checkout).
- This proposal is based on upgrading a drive for the CFH Telescope in Hilo, Hawaii.
- This proposal is based on 2 days of start up support using an engineer from the mainland.
- This proposal is priced to OneSource Distributors.

2. Technical Summary

- 1 SLC 500 (existing)
- 1 PF700L or PF755 Digital AC Drive

3. Commissioning Services Summary

| | |
|---|---|
| <u>Pricing type:</u> | Time and Expense for period specified below |
| Estimated start up date: | Not specified, please call 262-512-2424 to schedule |
| Start up scheduling: | Three weeks notice is requested |
| <u>Estimated Duration:</u> | 2 days onsite |
| Working days: | Monday through Friday, Additional days on request only |
| Work hours: | 8 hours per shift |
| Not Included: | Saturdays, Sundays & Rockwell Holidays are not included unless specifically detailed on this project |
| Field Service engineers: | Up to 1 on site |
| Installation support: | No |
| Hardware checkout: | Yes |
| System integration: | As needed to interface to existing controller |
| <u>**Production coverage:</u> | No |
| <u>Travel Time & Expenses:</u> | Billed at contract or published rates. Mileage will be billed at 75 cents per mile and expenses at cost plus 10%. Sunday travel not included. |
| <u>Out of Scope Work:</u> | Billed at published rates |

4. Pricing

| | Net |
|---|---------------------|
| BASE PROPOSAL (Labor & Travel Time Estimate): | \$6,840 USD |
| ESTIMATED EXPENSES: | \$ 1,672 USD |
| TOTAL: | \$ 8,512 USD |

Normal working hours are eight hours per day, Monday through Friday. Travel time Monday through Saturday. During this time period, a 1.0 multiplier applies.

Overtime working hours are any time beyond eight hours, Monday through Friday, and all day Saturday. Travel time on Sundays is also billable at overtime. During this time period, a 1.5 multiplier applies.

Double-time working hours are Sundays and Rockwell-observed holidays. During this time period, a 2.0 multiplier applies.

All prices are provided in U.S. Dollars, applicable taxes not included. All written quotations automatically expire unless accepted within thirty (30) days from the issue date.

5. Invoicing and Payment

Time and Materials Invoicing Schedule
100 percent invoiced as work is performed

| | |
|--------------------------------|---|
| Please send purchase order to: | OneSource Berkley 3057 Koapaka Street Honolulu, Hawaii 96819 |
| | Attn: Chris Caldeira / Bob Myers Rockwell Quote No. C20090391 |
| | Email: ccaldeira@1sourcedist.com / bmyers@1sourcedist.com Phone: 808-255-8847 |

6. Scope of Work

Rockwell has divided the scope of work into these sections of responsibility:

- **In Scope Activities** - These activities typically include hardware checkout, drive tuning and system integration.
- **Out of Scope Activities** - These types of activities include equipment not supplied by Rockwell, delay time caused by machine or mechanical or conditions out of the control of Rockwell, construction or installation problems, or additional change requests that are outside the original scope of supply.

7. Customer Responsibilities

Customer should provide a single point of contact, maintenance personnel to assist with commissioning, and access to all necessary machines and equipment for the scheduled commissioning time frame. It is also requested that the customer provide office facilities including a work table and chairs, access to a phone, fax and copy machine, and two-way radios as needed for communication purposes.

8. Acceptance Criteria



The project will be considered complete, by customer and Rockwell, when one of the items listed below has been accomplished.

- The system operates per the As Sold Specification.
- The customer and Rockwell agree that the start-up is complete.
- The machine is in production and Rockwell has been requested to make no further changes.

9. Substance Abuse Policy

Rockwell will comply with its own Substance Abuse Policy which meets the intent of the Drug Free Workplace Act and all other legal requirements regarding drug testing. This policy provides for pre-employment drug testing and testing for cause, however, it does not include random testing. Because this policy has to be implemented uniformly among all our employees, we cannot mandate that any single employee or group of employees submit to random drug testing.

IF THE RESULTANT CONTRACT REQUIRES DRUG TESTING PRIOR TO PERFORMANCE OF ON-SITE ACTIVITIES, THE CUSTOMER MUST ADVISE ROCKWELL AT THE TIME OF AWARD. **In the event an individual Contract or Purchase Order contains unique considerations for on-site performance which mandates drug testing,** Rockwell will make a good faith effort to identify qualified personnel who will voluntarily submit to the requisite testing with the understanding that all testing costs will be responsibility of the customer. If a volunteer is not locally available, any associated travel costs to bring a volunteer on-site will also be borne by the customer. It is also understood that any associated time and expenses incurred while complying with this request will be the responsibility of the customer.

10. Other Special Requirements

If the resultant contract contains other special requirements prior to performance of on-site activities, the customer must advise Rockwell at the time of award so that we may make every effort to comply within the timeframe required by the customer. This includes customer or site specific safety training, background checks, international work visas, and copies of expense receipts.

It is also understood that any associated time and expenses incurred while complying with these requests will be the responsibility of the customer.

We trust you will find this offering favorable. If there are any questions, comments, or concerns please contact me.

Sincerely,

Chris Caldeira
Product Specialist
OneSource Berkley

Bob Myers
Account Manager
OneSource Berkley





Proposal No.: C20090391
DSB Proposal No.: SEA9SF0055

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| Field Service engineers: | Up to 1 on site |
| Installation support: | No |
| Hardware checkout: | Yes |
| System integration: | As needed to interface to existing controller |
| <u>**Production coverage:</u> | No |
| <u>Travel Time & Expenses:</u> | Billed at contract or published rates. Mileage will be billed at 75 cents per mile and expenses at cost plus 10%. Sunday travel not included. |
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