

SHIPBOARD SCIENCE SUPPORT EQUIPMENT PROGRAM PROPOSAL

**Institution
YYYY**

Ranking of Shipboard Science Support Equipment Requests *

Table 1.1

| Priority | Description | Estimate |
|--------------------------|---|-----------------|
| 1 | Dynamic Positioning (DP) System Upgrade for R/V Bounty | \$ 227,550 |
| 2 | Hawboldt DIN354 Appendix A&B Compliant CTD Winch for R/V Pequod | \$ 293,605 |
| 3 | Hydraulic repower of overboarding equipment for R/V Minnow | \$ 195,563 |
| Total Proposal \$ | | 716,718 |

Request Description:**

Dynamic Positioning (DP) System Upgrade for R/V Bounty

A thorough description of the request should include a discussion of what issues the request expects to address, cost comparisons and justifications as appropriate and described in the NSF Solicitation. Attach supplemental supporting documentation necessary.

Table 2.1

Dynamic Positioning (DP) System Upgrade for R/V Bounty

| | |
|---|----------------|
| Kongsberg K-POS upgrade: Materials, installation and testing^ | \$ 177,000 |
| K-POS spare parts | \$ 20,000 |
| 10% Discount for exchange of old equipment | \$ (19,500) |
| Kongsberg Motion Reference Unit | \$ 8,000 |
| DGPS upgrades | \$ 14,000 |
| Shipping | \$ 1,500 |
| 15% IDC where applicable(^) | \$ 26,550 |
| Total \$ | 227,550 |

Request Description:**

Hawboldt DIN354 Appendix A&B Compliant CTD Winch for R/V Pequod

A thorough description of the request should include a discussion of what issues the request expects to address, cost comparisons and justifications as appropriate and described in the NSF Solicitation. Attach supplemental supporting documentation necessary.

Table 2.2

Hawboldt DIN354 Appendix A&B Compliant CTD Winch for R/V Pequod

| | |
|-------------------------------------|----------------|
| Hawboldt DIN354 Winch^ | \$ 237,000 |
| Main control Panel (Incl) | \$ - |
| Appendix A&B MCD and Manuals (Incl) | \$ - |
| Auto Render^ | \$ 8,700 |
| Cable Spooling^ | \$ 2,000 |
| Slip Ring^ | \$ 5,000 |
| Shipping | \$ 3,000 |
| 15% IDC where applicable(^) | \$ 37,905 |
| Total \$ | 293,605 |

Request Description:**

Hydraulic repower of overboarding equipment for R/V Minnow

A thorough description of the request should include a discussion of what issues the request expects to address, cost comparisons and justifications as appropriate and described in the NSF Solicitation. Attach supplemental supporting documentation necessary.

Table 2.2

Hydraulic repower of overboarding equipment for R/V Minnow

| | |
|---|----------------|
| Design and engineering services for A-Frame Hydraulic Power Unit^ | \$ 27,550 |
| Parts and components^ | \$ 37,900 |
| Installation and commissioning^ | \$ 74,000 |
| Post-install noise mitigation analysis^ | \$ 17,000 |
| 15% IDC where applicable(^) | \$ 39,113 |
| Total \$ | 195,563 |

* Insert as many items to each table as necessary. Create a Table 2.x for every request in Table 1.1

** Create a thorough description for each request as specified in the solicitation, not limited to the space allocated here.