

PURCHASE REQUEST

Mines and Geosciences Bureau

2011-08-590 Aug 17/11

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| Department: Environment & Natural Resources | PR No.: _____ | Date: 16-Aug-11 |
| Section: MGSD | SAI No.: _____ | Date: _____ |
| | ALOBS No.: _____ | Date: _____ |

| Quantity | Unit of Issue | Item Description | Stock No. | Estimated Unit Cost | Estimated Cost |
|----------|---------------|---|-----------|---------------------|-----------------|
| 1 | set | <p>Dual Frequency Survey Echo Sounder</p> <p>Specifications:</p> <ul style="list-style-type: none"> *Depth Ranges: up to 15000 feet /5000 meters *Auto-ranging Modes in all Units *0-450 Ft in 1 foot increment,0-150m increment *Zoom range:115,30,60,120,240,480 feet Zoom range : 5,10,20,40,80,160 meters *Zoom range:Bottom zoom,Bottom lock,marker, Normal_Zoom Data,Navigation,Depth *Display: Command/Status,Color Control for Data: 4 selections or custom (user input),data Color Invert possible *Depth Resolution:0.1Feet,0.01 meters *Depth Accuracy: Meets or exceeds all current IHO hydrographic requirements for single beam echo sounders *Speed of sound: user selectable 1500m/s 4800ft/s,auto Geographic Position:NMEA 0183,GLL,GGA,RMC, VTG,VHW,HDT SELECTABLE BAUD RATES(RS 232)4800,9600,19200,38400 *Printer Output: interface to TDU Series Thermal Printers *Shallow Water Operation: <1 meter, bottom type dependant *Transmit Rate: Up to 20Hz,depth and operator mode * Events Marks:Periodic,external,and/or Manual | | Php2,300,000.00 | Php2,300,000.00 |

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