Purchase Description
Procurement of Detector Hardware System

The U.S. Army TMDE Activity (USATA) has a requirement to implement a brand name purchase of one (1) Model 1056A-200 Ratemeter Digital and one (1) Model 897A-210, GM Detector Systems that will be used for customer support. These items shall be delivered to the Army Primary Standards Laboratory (APSL), Building 5435 Fowler Road, Redstone Arsenal, AL. The units shall include the following specifications or equivalent (if not brand name):

1.0 Requirements:

Model 1056A-200 Ratemeter Digital Geiger-Mueller (GM) Qty:1

- Range: 5 decades between 10^2 and 10^5 mR/h
- Energy response: 15 % from 80 keV to 1.5 MeV
- No external power needed at detector location
- Analog preamplifier integral with detector
- Ratemeters may be remotely located up to 2000 feet (using 50-100 cable or equivalent)
- Single cable between ratemeter and detector
- 8 µCi 36 Cl check source
- Life expectancy: up to 10^5 rads (for detector)
- Seismically tested with high reliability options available
- LCD graphical display showing radiation value
- Wallmount version rated IP65

Model 897A-210, Geiger-Mueller (GM) Detector Systems Qty:1

- For use with the 955A GM Area Monitor
- 3 ranges available. Each cover 5 decades from 10-2to 105R/h
- Energy response: +15 % for 80 keV to 1.5 MeV
- Preamp integral with detector
- Seismically qualified
- Life expectancy: approximately 105 rads
- All power supplied from ratemeter
- Ratemeter may be remotely located up to 1700 feet
- Single cable between ratemeter/detector
- 8 µCi36Cl check source

2.0 Delivery Requirements

Shipping Address: U.S. Army TMDE Activity, Attn: Patrick Marine, Building 5435, Redstone Arsenal, AL 35898