

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

SI No.	Description of items	Quantity
PUR/202/R&A/CK/E/20-21		
01.	Battery Operated 24-Bit Data Acquisition System for Autonomous recording with Geophones in a Field Application. (Detailed Specification as per Annex-I)	01 No.

1. INSTALLATION/COMMISSIONING

1.1. Not Required

2. WARRANTY

2.1. 12 Months from the date of acceptance of the ordered goods.

Note: Manufacturer's Authorization Form must be submitted by Non-OEM Bidders.

Annex-I

Battery Operated 24-Bit Data Acquisition System for autonomous recording with Geophones in a Field Application

Specification:

Number of Channels - 6

Programmable Sampling Rates (Samples/Second) - 125, 250, 500, 1k, 2k, 4k, 8k, 16k, 32k & 64k

Bandwidth - DC to Minimum upto 65% Nyquist Sampling Frequency

Acceptable Peak-to-Peak Input Voltage - Less than 5 V

Noise in μV - Less than 0.2

Acceptable Distortion - 0.0001%

Programmable Preamplifier Gain - 1x, 4x, & 16x

Minimum Internal Memory - 8 GB

Operational Voltage - 12 V @ 2A

Data Format Support - SEG-Y, SEG-D, ASCII, miniSEED, GPX, & SPS

Support - USB, Internal Radio, Wi-Fi, GPS, Network and External Trigger

Warranty : 1 Year

Note: Necessary cables, connectors and accessories need to be provided with the data acquisition system

