

Name: Digitizer for Scintillation Fast Neutron Detection

Project No. : IITK /ME /2013380

Quantity:1

Closing Date: July 27th 2015

Specifications:

- At least 4 channel desktop digitizer
- 1 GHz or better sampling rate
 - Facilitate counting of fast neutrons without false positives from gamma rays.
 - Permits use of lower energy thresholds.
- At least 1 GS/s ADC
- 10 bit or better resolution
- FPGA for real time Digital Pulse Processing
- Windows PC compatible
- Firmware to perform pulse shape discrimination (PSD)
- At least 2 volts dynamic range
- Associated cables must be included
- USB compatible

- Vendors must furnish all warranty repair or provide alternate source of local warranty repair at no extra cost to the state.
 - Contractor will correct or have corrected any substandard work as requested. Such work shall be at no extra cost to IIT-Kanpur.
 - An extended warranty of up to 5 years must be included. State what is included in the warranty.
 - The vendor must be able to offer an annual hardware agreement that can provide a rapid response, low cost or fixed repair service.