



SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/4984-4..... Dated:.....5.2.2018

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the IUCERCE Project of Dr. Nabin Sarmah, Department of Energy, Tezpur University.

Item with Technical Specification

Item: Data Acquisition System

Sl. No.	Component	Parameter	Technical Specification
1	Data acquisition chassis	Slots	8 (Eight) slots to pick and plug different modules for data acquisition of different properties parameters
		Interface	USB 2.0 Only
		Number of counters	Minimum 4
		Resolution of counters	32bits
		Input voltage protection levels	-20V to 25V
		Power Requirement	≤ 15W
		Analog Input FIFO size	≥ 127 samples per second
		Analog Output FIFO size	≥ 127 samples per second
		Waveform acquisition FIFO	≥ 127 samples per second
		Waveform Generation FIFO	≥ 1023 samples per second
		Data stream types	Analog Input/ Output, Digital Input/ Output; Counter Input/ Output, Timer Input/ Output.
Compatibility	Should be compatible with LabVIEW™ from National Instruments (NI)		
2	Power Supply	Input	230/240 VAC
		Output Voltage	24V to 28V VDC
		Output current	5A
		Phase	1 (One)
		Working Temperature	0°C to +70°C
		Terminals	Preferably clamps for easy field installment.
		Power Cord	240V, 10A
3	Temperature Input Module for Data Acquisition System	Number of Channels	16 Channel
		ADC resolution	Min. 24bits
		Sampling rate	75S/s
		Voltage measurement range	≥ ±70mV
		Compatible thermocouple types	J,K,T,E,N,B,R and S
		Temperature Sensitivity	Up to 0.02°C

