

National Shopping

DEPARTMENT OF CIVIL ENGG.

Tender for Equipment – NITT : 16/2006/TEQIP

Date : 4-10-2006

04.TCIVNS04 – 16 Channel data acquisition system A1 8000 +1

i. Master unit consisting

Master unit cabinet
Analog to digital converter
Front panel assembly with LCD screen and keypads
Microprocessor module
Input/output module
Power supply module
RS 232 interface with cable for computer link,
AC power supply 230 VC, 50Hz AC

ii. Signal conditioner module AM 871 (2 nox)

inputs: thermocouples, 0 to $\pm 300\text{m V}/3\text{V}/15\text{V}$
AC LVDTs.DC LVDTs
Straingauge based transducer
Strain gauge rosettes, 1, 2 and 4 arm
Strain gauge bridge

iii. 8 Channel analog input module AM 821

6 wire 8 channel analog input module for the strain
measurement application

iv. Application software for data acquisition system – Windows based

–Windows based