

Project No: MEE1617344DSTXLVIJ

Tender No: MEE/LVIJ/001/2016

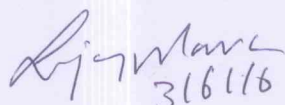
Due Date for submission of Quotation: 17<sup>th</sup> June 2016 at 1700hrs

Item No 1. Technical Specifications for Acoustic Emission System.

Acoustic Emission Sensor	
Operating Frequency Range [kHz]	100 to 1500
Integrated Preamplifier	No
Operating Temperature [°C]	-65 to +120
Case Material	Stainless Steel
Wear Plate	Ceramics (Stainless Steel will be preferable)
Connector	BNC/Microdot
Preamplifier	
Preamplifier gain:	34 dB or 40 dB
Bandwidth (-3 dB):	20 kHz to 2.5 MHz
Power supply:	28 V DC
Sensor Test	Automatic / Manual
Output connector:	BNC
Output range:	10 VPP into 50 $\Omega$
Input connector:	BNC
AE signal processor board	
No of input AE channels	4 (Can be expandable to 8 channels)
High sampling rate	$\geq 40$ MHz
Real Time Indicators	Yes
Online / Remote monitoring	Yes
Internal Storage capacity	$\geq 1$ GB/Channel
Accessories	
Sensor to preamplifier cable,	$\geq 2$ m
Cable preamplifier to System	$\geq 1$ m
Sensor coupling agent	Gel/Paste type
Signal / DC-voltage decoupling	Compatible with High end Digital Signal Oscilloscope
Power supply for Decoupling Box	Linear Power supply
Sensor Holder	Magnetic type

For any clarification contact:

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