DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI - 620 015

27.12.2013

Minutes of the Pre-Bid conference

Tender Notification No.: NITT /F.NO: 007/UG LAB MODERNISATION/PLAN 2013-2014/MME

The pre-bid conference was held on 27.12.2013 at 4.00 pm. in the committee room of MME to discuss the specification published in the tender. All other terms and conditions mentioned in the tender document remains same.

Based on the discussion, the committee recommends the following amendments to the specification.

Specification for Fretting Corrosion Facility

Original tender specification		Amended specification
ITEM	SPECIFICATIONS	Time and a promotion
Contact configuration	Ball on plate (point contact)	No amendment
	Pin on plate (area contact)	
Ball holder size	6 -12mm	No amendment
Pin holder size	6 -12mm	No amendment
Load range	0.5 - 300N	No amendment
Frequency	1 -80 Hz	No amendment
Stroke Length	0.5 to 15mm	No amendment
Frictional force	+150N to -150 N with LC of 0.1N	No amendment
Wear measurement	0 to 2000 μm Least count 1μm	Or any other better measurement system
Oscillatory movement	Amplitude and frequency should be programmable	No amendment
High speed online data acquisition system	friction force, co-efficient of friction, Normal Load	No amendment
Test duration	0 - 99 Hours	No amendment
Power	230V/5A/1P/50Hz	No amendment
Features	 Repeatable dynamic friction measurements, easy to calibrate Fully computer controlled and online real time data acquisition system with ups and all in one color laser Printer along with software's for analyzing and to extrapolate results should be provided along with equipment as default attachments. The structure should be rigid and vibrations maintained to a minimum. The structure should be a standalone bench top system. Lubrication bath for friction and wear test, option to be provided as default attachment. 	And Electric isolation of disc and pin with rest of the system
	Automated loading disc rotatory oscillation and other related accessories to be provided as optional attachment.	Two sets of graphite electrode rods to be placed at two different distances, two graphite electrodes per set.

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