

This is with reference to the tender / enquiry no.: EC/PUR/CAD/1907/120590 dated 2015.01.22 for supply, installation, testing and commissioning of Electro Dynamic Shaker (Vibration Test System) As per Annexure (12 Pages) and Appendix A (2 pages). It is to be informed to all the vendors that there have been inadvertent typographical errors in the notice published. Hence the following correction may please be noted and submit your proposals in line with this corrigendum.

The due date is extended up to 2015.02.28.

I SHAKER			
Sl. No.	Parameter	Specification	
		FOR	READ AS
7.	Half Sine, Sawtooth and Trapezoidal Shock (Bare Table)	≥ 100 g peak with 18 ms. Acceleration and Pulse width shall be programmable.	Table shall be capable of: a) 100 g Half Sine pulse up to the maximum specifications of force/velocity/displacement. b) 18 msec pulse up to the maximum specifications of acceleration/velocity/displacement. c) Half Sine 55 g, 11 ms d) Sawtooth 65 g, 11 ms
24.	Armature Guidance	Rolling truss design assembly with dual heavy duty hydrostatic bearings integrated with load support.	Rolling strut or suitable design with dual or single heavy duty hydrostatic to meet the overturning guidance performance requirements of the desired 90 ± 1 kN shaker.
28.	Shaker Cooling System	Air/Water cooled	Water cooled system with suitable air cooled chillier.

III COMBINED SLIP TABLE			
Sl. No.	Parameter	Specification	
		FOR	READ AS
9.	Maximum Stroke	≥ 100 mm	≥ 60 mm peak to peak for Sine ≥ 75 mm peak to peak for Shock

V VIBRATION CONTROLLER			
Sl. No.	Parameter	Specification	
		FOR	READ AS
10.	Dynamic Range	150 dB or Better	135 dB or Better

VII ACCELEROMETERS			
Sl. No.	Parameter	Specification	
		FOR	READ AS
1.		Make : B&K / PCB / Kristern / Daytran	Preferred make : B&K / PCB / Kistler / Dytran

**FACTORY ACCEPTANCE TEST (FAT) DOCUMENT FOR ELECTRO DYNAMIC SHAKER
(VIBRATION TEST SYSTEM) 90 ± 1 KN**

(Appendix-A)

Sl. No.	NOMENCLATURE	
	FOR	READ AS
3.	<p>Bare Table Maximum Specification Sine Test in all three axis</p> <p>Frequency : 5 - 2500 Hz</p> <p>Displacement : ≥ 60 mm</p> <p>Velocity : 2 m/s</p> <p>Acceleration : 100 g</p> <p>Duration : 30 minutes / axis</p>	<p>Bare Table Maximum Specification Sine Test</p> <p>Bare Table shall be capable of running Sine sweep spectrum with starting 60 mm displacement at 5 Hz, reach up to 2 m/sec velocity (with 60 mm displacement) and reach up to 100 g acceleration with constant velocity and run the 100 g acceleration up to 2500 Hz with suitable cross over frequency Spectrum.</p> <p>Continuous Sine sweep test for a period of 30 min with the above test profile.</p>
5.	<p>Bare Table maximum Specification Shock Test in all three axis</p> <p>Frequency : 5 - 2500 Hz</p> <p>Displacement : ≥ 75 mm (peak to peak)</p> <p>Velocity : 2 m/s</p> <p>Acceleration : 100 g</p> <p>Duration : 30 minutes / axis</p>	<p>Bare Table maximum Specification Shock Test in Vertical axis.</p> <p>Suitable Shock profile to demonstrate 170 g acceleration with calculated pulse width of the shock pulse shall run for 30 pulses.</p> <p>Suitable Shock profile to demonstrate 18 msec pulse width with calculated acceleration to be run for 30 pulses.</p>
6.	<p>Slip Table Signature in Sine Control Test in all three axis</p> <p>Frequency : 5 – 2500 Hz</p> <p>Acceleration : 1 g</p>	<p>Slip Table Signature in Sine Control Test</p> <p>Frequency : 5 – 2000 Hz</p> <p>Acceleration : 1 g</p>
7.	<p>Slip Table Signature in Random Control Test in all three axis</p> <p>Frequency : 5 – 2500 Hz</p> <p>Acceleration : 1 g</p> <p>Duration : 30 minutes</p>	<p>Slip Table Signature in Random Control Test</p> <p>Frequency : 5 – 2000 Hz</p> <p>Acceleration : 1 g</p> <p>Duration : 30 minutes</p>
13.	<p>Shock Test in Half Sine, Sawtooth and Trapidoizal in all three axis</p> <p>Load : 300 kg</p> <p>Acceleration : 20 g in horizontal, 17 g in vertical</p> <p>Pulse width : 18 ms</p> <p>No. of Shocks : Positive 5, Negative 5</p>	<p>Shock Test in Half Sine and Sawtooth on Head Expander and Slip Table</p> <p>Pay Load : 300 kg</p> <p>Acceleration : 20 g in horizontal, 17 g in vertical</p> <p>Pulse width : 11 ms</p> <p>No. of Shocks : Positive 5, Negative 5</p>