

Annexure 1
Technical specification for repair of power module for controller of existing electro dynamic vibration system.

Sl. No.	Description	BHEL Specification	Vendor Specification
01	Power Module	Power Module is compatible with M/s Data Physics make power amplifier for Ling Electronics Shaker B395 Shaker. Amplifier: Make: Data Physics Model : LE-DSA10-20K SSN: 1506-U92-IN-1DA-10162 Serial No. : 10162 Mfd. Date: 06-08-2015 SO: 15US5083 Rating: 20 KVA expandable to 40 KVA. Electro Dynamic Vibrator: Make: Ling Electronics Model: 395B	
02	Type	Air cooled digital switching with modular configuration.	
03	Input	Volt: 415 V Phase: 3 Phase Frequency: 50 Hz KVA Rating: 10 KVA Ampere per phase: 70 Amperes	
04	Power	10 kVA	
05	Scope of Work	• Transportation of non-functional power modules from BHEL R & D to vendor's workplace and back to BHEL R & D. • Inspection of power module. • Diagnosis of faulty components / modules / connections etc. • Repair / replacement of faulty components / modules/ connections etc. • Validation of power module after repair • Performance checking of power amplifier JIG • Installation and integration of repaired power module in controller of vibration system • Demonstration of integrated vibration system as per BHEL requirement.	
05	Drawing	Detailed drawing of the power module with clear indication of input and output connections shall be provided by the supplier before dispatch or at the time of delivery.	
06	Calibration certificate	Calibration certificate of the power module shall be submitted at the time of delivery of the equipment.	
07	Assembly and demonstration	Vendor shall install, integrate and demonstrate the operation of the complete vibration system after integration of repaired power modules with the controller of Vibration system.	