



TITLE: **PREQUALIFYING REQUIREMENTS FOR
VENDOR REGISTRATION FOR VIS**

SPECIFICATION NO PE-TS-600-C025

REV.NO. 0

DATE 05/07/2010

SHEET 1 OF 2

**PREQUALIFYING REQUIREMENT FOR VENDOR REGISTRATION
FOR
VIBRATION ISOLATION SYSTEM (VIS)
FOR
STEAM TURBO GENERATOR/FANS (ID /PA/ FD)/TDBFP & MDBFP/MILLS**

SPECIFICATION NO. PE-TS-999-600-C025



**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI,INDIA**



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FOR VIBRATION ISOLATION SYSTEM(VIS)
FOR STEAM TURBO GENERATOR/FANS (ID /PA/ FD)/TDBFP & MDBFP/MILLS**

- a. Vendor should have **supplied and commissioned VIS** for power plants or equivalent large sized industrial plants and furnish experience list of at least ten recently executed contracts where such systems have been successfully installed for such applications. The vibration isolation system shall be of proven make and should be in successful operation for Turbo-generator,/Boiler Feed Pumps/ Fans (ID,FD and PA),/Mills, or similar machines for at least two years.
- b. Vendor should have at least two years **design experience** of machine foundations and be able to furnish static and dynamic analysis of the RCC deck slab resting on VIS and supporting the machine. Calculation should establish that no dynamic loads are transferred to the structure supporting the VIS and that the foundation system meets the amplitude and frequency requirement as required by the machine manufacturer. The isolation system and R.C.C. deck slab shall be able to withstand seismic loading in addition to other loadings i.e. dead, live, wind, dynamic etc. Seismic design shall conform to IS: 1893 "Criteria of Earthquake Resistant Design of Structures.
- c. **Performance certificate** from the end user/customer for at least two successfully executed contracts shall be furnished.