



PROJECT: 3X660 MW LALITPUR (U.P.) STPP

**TECHNICAL PREQUALIFYING
REQUIREMENTS OF VENDOR FOR
VIS FOR TD BFP FOUNDATION**

SPECIFICATION NO. PE-TS-375-614-C002

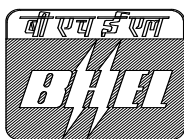
REV.NO. 0

DATE 24/12/2011

SHEET 1 OF 3

**TECHNICAL PREQUALIFYING REQUIREMENTS OF VENDOR
FOR
VIBRATION ISOLATION SYSTEM (VIS)
FOR
TD BOILER FEED PUMP (BFP) FOUNDATION**

SPECIFICATION NO. PE-TS-375-614-C002



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT
PPEI BUILDING, HRD & ESI COMPLEX
Plot No. 25, Sector 16A
NOIDA, U.P. – 201301



PROJECT: 3X660 MW LALITPUR (U.P.) STPP

TECHNICAL PREQUALIFYING REQUIREMENTS
OF VENDOR FOR
VIS FOR TD BFP FOUNDATION

SPECIFICATION NO. PE-TS-375-614-C002

REV.NO. 0

DATE 24/12/2011

SHEET 2 OF 3

PROJECT TITLE: 3X 660 MW LPGCL, LALITPUR(U.P) STPP
JOB NO. 375 DOCUMENT NO. PE-TS-375-614-C002

BUILDING/SYSTEM: VIBRATION ISOLATION SYSTEM

SUBJECT: TECHNICAL PREQUALIFYING REQUIREMENTS OF VENDOR FOR VIBRATION
ISOLATION SYSTEM FOR TD BFP FOUNDATION

REV. NO.	PARTICULARS	PREPD. BY	CHECKED BY	APPROVED BY	REMARKS
00.	NAME	BR	SKM	HM	
	SIGN	<i>BR.</i>	<i>SKM</i>	<i>HM</i>	
	DATE	24-12-11	24-12-11	24-12-11	



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**TECHNICAL PREQUALIFYING
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SPECIFICATION NO. PE-TS-375-614-C002

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SHEET 3 OF 3

**TECHNICAL PREQUALIFYING REQUIREMENTS OF VENDOR
FOR VIBRATION ISOLATION SYSTEM (VIS)
FOR TDBFP FOUNDATION**

- a. Vendor should have **supplied and commissioned VIS (spring mounted)** for Turbine Driven Boiler Feed Pump (TDBFP) foundation or similar machine foundation in 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 TD Boiler Feed Pumps 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 for the applying package shall be furnished.