

PRE - QUALIFYING
REQUIREMENTS

DOCUMENT NO: PE-TS-999-600-C025A

REVISION NO: 2 DATE: 28-4-16

SHEET: 1 of 1

ENQUIRY NO: (To be filled by PG)

PROJECT:**PACKAGE:** VIBRATION ISOLATION SYSTEM (VIS) FOR STEAM TURBO GENERATOR (STG)
FOUNDATION FOR POWER PLANT OF RATING 500 MW & ABOVE**CRITERIA FOR EVALUATION (TECHNICAL / FINANCIAL):**

- a. Vendor should have **supplied and commissioned VIS** for steam turbo generators foundation in power plants (minimum 200 MW rating) and furnish experience list of at least two recently executed contracts where such systems have been successfully installed for such applications. 2 (two) nos. purchase orders shall be submitted which should not be more than 10 (ten) years old as on date of bid submission for establishing continuity in business. The vibration isolation system shall be of proven make and should be in successful operation for such foundation for atleast two years.
- b. The vendor should have at least two years **design experience** in design of VIS module, selection and finalization of Layout of VIS as well as design of RCC STG deck resting on VIS and supporting the machine and be able to furnish static and dynamic analysis of the same. Calculation should establish that not more than 10% 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 for Earthquake Resistant Design of Structures) or equivalent international standard. The vendor should furnish supporting documents for the same.
- c. **Performance certificate** (along with copy of relevant purchase order) from the end user/customer for at least two (different Customers) successfully executed contracts which are in successful operation for at least two years for the package shall be furnished.

OR

The supplier has been awarded **Repeat Purchase order** from same customer (placed with minimum gap of 2 (two) years after commissioning of machine supported on VIS of previous contract). Repeat purchase orders shall be furnished from two different customers.

Note: Supplier to comply to general points of PQR available at <http://bhhelpem.com/vensection/PMD/PMD.aspx> . In case supplier is not OEM , the offer shall be evaluated as per point no 1 of general points of PQR

PREPARED BY:**REVIEWED BY:****APPROVED BY:****NAME:****NAME:****NAME:****DESIGNATION / DEPT.:****DESIGNATION / DEPT.:****DESIGNATION / DEPT.:**