

PRE - QUALIFYING
REQUIREMENTS

DOCUMENT NO: PE-TS-425-613-C002

REVISION NO: 0 DATE: 11-04-2017

SHEET: 1 of 1

ENQUIRY NO:

PROJECT: 2X800 MW TANGEDCO UPPUR TPP-BTG

PACKAGE: VIBRATION ISOLATION SYSTEM (VIS) FOR TG FOUNDATION

CRITERIA FOR EVALUATION (TECHNICAL / FINANCIAL):

- a. Vendor should have **supplied and commissioned VIS** for TG (Turbo- Generator) foundation or similar machine 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 at least one year.
- b. The vendor should have at least two year **design experience** in design of VIS module, selection and finalization of Layout of VIS as well as design of RCC deck slab 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 one year for the applying package shall be furnished.

OR

The supplier has been awarded **Repeat Purchase order** from same customer (placed with minimum gap of 1 (one) year after commissioning of machine supported on VIS of previous contract). Repeat purchase orders shall be furnished from two different customers.

In case supplier is not OEM, offer shall be evaluated as per point 1. of Notes to PQR available at <http://bhelpem.com/vensection/PMD/PMD.aspx>

PREPARED BY:

NAME: Pankaj Kumar
DESIGNATION: Sr. Engineer
DEPT.: Civil

REVIEWED BY:

NAME: Sushil Kf. Mahato
DESIGNATION: Manager
DEPT.: Civil

APPROVED BY:

NAME: Tarun Kr. Mehta
DESIGNATION: Sr.DGM
DEPT.: Civil