

## Vibration Measurement at Ground / Building / Structure / Blasting



Vibrotech is an **ISO 9001:2015, ISO 45001:2018 & ISO/IEC 17025 : 2005 Certified Company** providing quality services and adhering to safety norms while carrying out vibration measurements / monitoring on buildings / foundation / structures which is gaining importance to avoid adverse effect due to resonance in case of foundations of rotating equipments. We provide valuable inputs to avoid damages / risk to foundation & machineries. Such studies are essential especially on foundation of high capacity rotating equipments & reciprocating machines like Mill Drives, Crushers, DG Sets, vibro feeders, conveyor drives, foundations of CMM, NABL accredited Laboratory equipments, etc.

Vibration in building due to nearby construction work (bridges, subways, piling activity) can affect and cause damage or risk to the structure and dwellings. We carry out vibration measurements on dwelling / heritage / commercial building, tall structures, bridges, subways and its effect on human exposure during general excavation, Tunneling, drilling, demolition, Sheet metal piling, augering, grabbing, Diaphragm Wall excavation/breaking, mining, blasting or other related works in nearby area where vibrations cannot be completely avoided including Traffic & Vibration created due to heavy vehicles).

***We provide 24 X 7 services using "state of the art" FFT Analysers measuring vibration levels in accordance to DIN 4150 standard using Tri-axial accelerometer (1-315 Hz) and complying to DIN 45669 (German fabrication norm)***

Our expert engineers are ISO certified Vibration Analysts led by a team of expert with more than 35 years of field experience and in-depth knowledge in Vibration Studies.

**Recently such assignment was carried out for nearly a year for the one of the joint venture companies involved in building underground Railway Project in Chennai, Tamilnadu, India.**

***We measure amplitudes in terms of: Vibration Displacement, Velocity & Acceleration along with its related frequencies using FFT analysers complying to DIN Standards.***

Our services on Vibration measurement on Ground / Buildings includes -

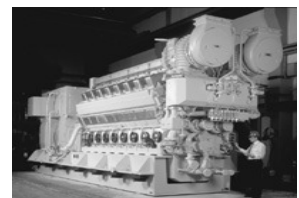
To collect and record vibration data's (Displacement & Velocity) at measurement locations identified at your end (at ground level) at safe distance from activity.

To collect frequency spectrums, wherever vibration amplitudes are high

To measure the above in all three directions (X, Y & Z- Axis) – Triaxial probes used

To submit the datas collected at site.

To submit detailed report containing vibration data & spectrums mentioning the highest amplitude along with event details and possible remedial measures.



***Our per day charges which includes instrument charges & report submission is highly competitive and affordable.*** We provide the services on **Call basis or in case of progressive monitoring** (Weekly, Bi-Weekly, Monthly, Bi-Monthly, Quarterly basis, permanent basis) by deputing officials along with all necessary instruments.

**We are Corporate member of Vibration Institute, USA and its PLATINUM Sponsor Representative in India**, an organisation for engineers & professionals across all section of industries to share information about measuring and analyzing vibration - [a credential to our experience in Consultancy.](#)

### **VIBROTECH TRAINERS & CONSULTANTS PVT LTD.,**

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#### **Indian Representative:**

Vibration Institute - USA (for ISO CAT I, II & III Vibration Analyst Course & Certification)

VMI International AB - SWEDEN (Instruments measuring Rotating & Reciprocating Machine Vibration)

Vibraquipa S.L.U. - SPAIN (Instruments measuring Ground, Building & Structure Vibration)