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## SPECIFICATION FOR BALANCER CUM VIBRATION ANALYZER

The Balancer cum Vibration Analyser used for checking and monitoring the condition of rotors of various of auxiliary motors. It can be used in position and the results can be downloaded on line to a computer.

### Salient Features:-

- It should be compact, portable and adjustable in a briefcase.
- It should be able to measure vibration velocity, frequency and thereby help in balancing the motor.
- It should have automatic scanning, storage and peaks finding of upto 24 frequency levels.
- It should be user-friendly interface with 4-line backlit display.
- It should have two inputs for accelerometer sensors.
- It should have sealed membrane type keyboard with simple menu based commands.
- It should have rechargeable battery.

### Standard Accessories:-

1. One sensor
2. One lead of three meter length
3. One magnetic base
4. One reference sensor
5. One brief-case style carrying case
6. One battery charger

### Technical specification:-

Power supply	220 Volt $\pm$ 10% through rechargeable batteries, 10hours continuous use.
Velocity range	2.50mm/sec to 250mm/sec. least count 0.01mm/sec & 1mm/sec.
Frequency range	10HZ to 10KHZ.
Data memories	Enough for storing 24 spectra
Temperature range	0 to 50 <sup>0</sup> C
Balancing	It should be able to balance old rotors with or without trial weights.

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**Other Conditions**

- The equipment shall be under warranty / guaranteed for three years from the date of successful commissioning on the equipments at ELS/TKD.
- The decision of Railway in regard to the cause of failure or nature of rectification to be carried out by the supplier during guarantee period shall be final and binding on the part of contract.
- The transportation will be at the supplier cost during warranty / guarantee repairs.
- Technical literature:- Contactor has to supply at least 02 copy of technical literature / operating manual along with diagram circuit equipment.
- Training:- The supplier shall provide training for operating maintenance and trouble shooting of problems generally arises in handling of equipment.
- Inspection:- firm should supply the material inspected by RITES / Other Govt agency . However in the shed premises material will be inspected by representative of Sr DEE /TRS TKD.
- Commissioning of Equipment:- Commissioning of equipment at consignee place with out any obligation.

  
Sr DEE /TRS TKD

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**Annexure-II**

**To be submitted by the firm along with offer-**

Tender specification as per Annexure-I	Specification quoted by the firm	Deviation if any with clarification

**Signature of firm's**