


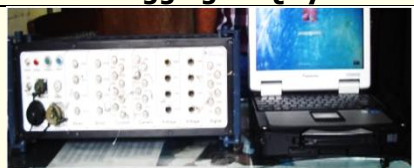







Infrastructure for Field Trials

Testing Directorate uses highest standards for testing practices for field trials.

Fully Computerized Data Acquisition and Data Analysis System with Electronic Transducers for recording parameters are being used to meet International standards.

Apna VDAS system	
	<ul style="list-style-type: none"> • 58 channel recording facility • Data logging rate up to 1000 samples per second per channel • In-built sensor excitation (5V and 24V) • Current, Voltage and Digital output sensors • Calibration and filter settings record for post analysis • Gyroscope and GPS configuration.
Dewetron system	
	<ul style="list-style-type: none"> • Synchronized acquisition and storage of signal sources with high sampling rate up to 10,000 samples per second per channel • 32-bit data interface for acquisition, storage and processing • Inbuilt Online display of acquired data with Online mathematics and filter functions • Plug-in technology for increase of channels. • Plug in cards for multiple type data (current, voltage, digital) and onboard analysis.
HBM system	
	<ul style="list-style-type: none"> • 128 channels for stress investigation tests. • Sampling rate 15,000 samples per second per channel • 24 bit resolution • Works on full / half / quarter bridge • Operating temperature 0-500 C • Accuracy 0.05% of Full Scale
Remote logging DAQ system	
	<ul style="list-style-type: none"> • Facility to record 32 signals from sensors • Capable of functioning in independent unmanned mode. • Monitor GPS coordinate and generate automatic alerts based on recorded data values. • Data and alert transmission over internet and GSM network.

Accelerometer	Optical Sensor	String potentiometer	Temperature Sensor	Pressure Transducer
				
Speed Sensor	Load Cell	Camera	Oscillograph Car	
