

## Name of the Technology/Product : 'ANALOG SEISMIC RECORDER'

<b>Laboratory Name</b>	CSIR-Central Scientific Instrumentats Organisation, Sector-30, Chandigarh
<b>Brief Profile of Technology/Product</b>	Analog Seismic Recorder is meant to monitor process and record the seismic signal from the remote area under observation. It processes the low frequency, low amplitude and highly noise corrupted signal generated by the short period seismometer in response to ground motion and finally record this processed data along with precision timing information on a smoked paper wrapped on a drum. The recording is tagged with the internal clock which in turn is synchronized with ATA timing signal transmitted by NPL, New Delhi. It is comparable in performance and specifications with any internationally available in line product.
<b>Returns/Benefits</b>	It can be <ul style="list-style-type: none"><li>• Used for monitoring of Earth Quakes and micro earthquakes</li><li>• Used for monitoring of seismic activity at Hydro dam sites.</li><li>• Used as a part of network deployed for detection of underground nuclear explosion.</li><li>• Used to assess the local seismicity for selecting the sites for vital installations, and industrial complex etc.</li></ul>
<b>Validation Level</b>	Technology ready for Transfer. ( Ready for Commercialization )
<b>IPR Status [also indicating the status of the patent (if any) in 2015]</b>	No patent applied so far.
<b>End product price (if not available, estimated price)</b>	Rs.3,000,00/-

<b>Technology/Product Collaborator</b>	The product was initially sponsored by DOE, New Delhi & later on In-House Production
<b>Relevance of Technology in present times</b>	This recorder gives instant display of recording in the field without the use of computers and it has a very low power consumption and battery operated.
<b>Similar technology/product developed</b>	Available in international market
<b>Picture of the technology/product (if any, with good resolution)</b>	 A portable field recorder, likely a magnetic tape recorder, is shown in a green carrying case. The device is black and features a large roll of paper on the left side, which is partially unrolled. The right side of the device has a control panel with various knobs, buttons, and a small display. A separate cylindrical component, possibly a battery or a sensor, is connected to the main unit by a thin wire. The entire setup is placed on a light-colored, textured surface.