

Monitoring System Seismic Station Power System Design

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The correct operation of a seismic station depends on many factors. A crucial one is the provision of power required for station to operate at the established standards. Given that the Paso Flores, PLCA/PS01, seismic station power system currently in use is at the end of its life cycle, that it was not designed for the current demands and, evaluating all the technologically available alternatives for replacement, it is presented a design based on the use of solar panels as main source, a bank of batteries to store energy and a thermoelectric generator without moving parts, as a supplementary energy source to work during the winter months when solar radiation is low.

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Promotional text

Presenting the design of the power system for an International Monitoring System seismic station that will operate under harsh environmental conditions.

Oral preference format

in-person

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