

The (STEG) has developed a seismicity study of Tunisia related to important energy production setting.

B. Chelli (1) and H. Zenati (2)

CERTE, (email: bchoulli@yahoo.fr)

The (STEG) has developed a seismicity study of Tunisia related to important energy production setting.

This study is based on three axes:

-Historical seismicity; -Instrumental seismicity in the last century; -Microseismicity related with electric central seismicity.

The historical seismicity data was based on previous manuscripts, reports and catalogues. The compilation of these data has ameliorated the Catalogues of N. N. Ambraseys (1962) and J.P. Rothé (1967).

However, this study was insufficiently to allow a precise location of earthquakes. In fact, the exploitation of some “iso-seistes” was used to elaborate a law for the calculation of intensity after the focal distance.

The instrumental seismicity study in the last century has permitted to identify the major outlines of the seismic active zones in Tunisia and surroundings areas. Using microseismicity we were able to complete the historical and instrumental studies essentially near the active structures in northern Tunisia.

Finally, the exploitation of the elaborated data base concerning the seismicity of Tunisia and the surroundings area allowed the evaluation of the seismic risk related to important buildings in the electric production sector. We use in this paper an appropriated method to develop this problematic.