

# A Critical Analysis of Energy Security Models and their Applicability in the Indian Context

Swami Raj<sup>1</sup> and Dr. Seema Rani<sup>2</sup>

Research Scholar, Department of Political Science<sup>1</sup>

Assistant Professor, Department of Political Science<sup>2</sup>

OPJS University, Churu, Rajasthan, India

**Abstract:** Authors examined numerous models of energy security reflecting both long-term and short-term security challenges, as well as contemporary work on the topic and often mentioned approaches to the problem. When evaluating the singular issue of oil security with regard to both short- and long-term oil security, the authors found that all the models, with the exception of IEA's MOSES and Oil Vulnerability Index (OVI), contain inadequate indications or parameters. Authors recommended the IEA Model of Short Term Energy Security (MOSES) as the "best fit" model in the Indian context to ascertain the short term energy security profile of each energy component of the nation based on a careful study of these models. The author also made the claim that the policy makers would benefit from the knowledge from the profiles of the various energy constituents in developing long-term energy security plans. It is also advised to periodically analyze the energy components in this model in order to adjust the long-term strategy as needed..

**Keywords:** Short Term Energy Security

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