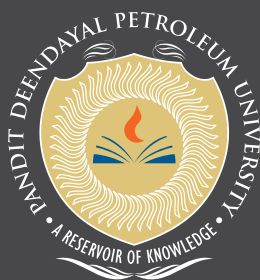


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EDITORIAL

We are happy to present the second issue of Journal of Energy and Management with five research papers on different aspects of energy and management. We are happy to inform both our authors and readers that we have completed the formalities for RNI and ISSN registration and this issue, in fact, carries the ISSN number.

A brief introduction of the five papers that are the highlights of this issue is given ahead.

The first paper in this issue “Impact of Huge Variation in Cost of Debt and Reverse Auction Process on Feasibility of Solar PV Projects under Present Policy Framework in India” analyzes impact of financial challenges posed by variation in cost of debt and reverse auction process on economic feasibility of projects. This analysis has been carried out by comparing cash flows and other financial parameters such as Net Present Value (NPV), Internal Rate of Return (IRR), and Pay Back Period (PBP).

The second paper titled “Model Predictive Control of Series Compensation for Transient Stability Enhancement of Smib System” discusses stability issues with increases in electrical power demand in the context of existing transmission facility. As higher loading will result in reduction in transient stability margin, it is necessary to carry out transient stability analysis and it becomes very important to find techniques by which transient stability can be improved. Thyristor controlled series capacitor is one of the FACTS controller which is well known for transient stability improvement. In this paper one of the popular optimal control strategies named model predictive control (MPC) is presented for Thyristor Controlled Series Capacitor (TCSC) control. Generator rotor angle is taken as reference signal to derive optimal control input. TCSC’s effectiveness to enhance transient stability and damping of electromechanical oscillations are examined and presented in the paper. This simulation was carried out in Matlab environment.

The third paper in this issue “Transient Case for Sub-Synchronous Resonance Study” develops models for study of Sub-synchronous resonance (SSR), which has been the topic of discussion and incisive studies the recent times. Models in this paper were developed with minimum sophistication needed to obtain useful results of transient case.

The fourth paper in this issue, “Changing Energy Dynamics in Europe”, explores how the newly emerging energy game and changing trends in Europe could possibly influence the energy map of the world. The paper discusses changing government policies, factors affecting energy business in Europe, and hedging strategy of major energy-utility companies, mainly utility and midstream sector organizations. The paper also studies the dynamics from the perspective of the world energy market.

The fifth paper, “Do MSMEs Practice Energy Conservation Principle: A Case of Gujarat”, attempts to study current policy framework of Government in India, more specifically with reference to Gujarat, and examines energy conservation practices among Medium, Small and Micro Enterprises (MSMEs) in context of the present policy environment. The paper attempts to study measures adopted by selected MSMEs in different districts in the state of Gujarat.

We take this opportunity to thank all our contributors to the inaugural issue as well as the present issue of the journal. Their sustained support has been the driving force for us at the editorial office. We also record our appreciation of and gratitude to our reviewers for their continued timely support, which has always helped us to choose the right quality papers for publication in our journal.

- C. Gopalkrishnan

Journal of Energy and Management (JEM) is an International referred peer-reviewed journal. Journal of Energy and Management welcomes original papers from both academicians and practitioners on experimental energy science and technology (conventional and non-conventional), energy sector related management, business, and organizational issues related to energy and research. Papers, based on theoretical or empirical research or experience, should illustrate the practical applicability and/or policy implications of work described.

The bi-annual journal carries many features including perspectives, conceptual research, empirical research, colloquium, management case, and book reviews. Authors are invited to submit their contribution under any feature.

AIM AND SCOPE

The proposed research journal shall report and focus on identifying new opportunities, challenges, best practices and strategies for global economy on various complementing issues like business & techno-managerial Issues, regulatory & policy matters, marketing issues, financial & accounting issues, operational excellence & management, social & human resource management and capacity building in general and energy sector in specific.

JEM is a peer reviewed journal and follows a 'double blind' review process. All the papers submitted to JEM go through a preliminary review at the editorial desk and those considered appropriate are sent to an Editor representing a specialized domain. On recommendation of the concerned Editor, the Article may be rejected or assigned to two reviewers.

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The views expressed in the Articles are those of the respective authors. Neither JEM nor Pandit Deendayal Petroleum University, Gandhinagar, Gujarat can accept any responsibility for any in advertent omissions.

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