

AN APPROACH TO EVALUATION OF DEMAND SIDE MANAGEMENT (DSM) PROGRAMMES

¹ANJALI ARUN DHARME AND ²ASHOK GHATOL

¹Faculty, College of Engineering, Pune, India 411 005
(E-mail: dharme@rediffmail.com).

²Ex Vice Chancellor, Dr. Babasaheb Ambedkar Technological University,
Lonere, Dist. Raigad, Maharashtra, India.

Abstract

Significance of Demand Side Management (DSM) programmes in today's power shortage scenario in the Maharashtra State Electricity Distribution Company Limited (MSEDCL) is presented. DSM as a resource is compared with Supply Side Management (SSM) resources on the basis of techno-economic analysis. California Standard Practices manual is used for economic analysis of energy conservation and DSM programmes in many utilities in USA. In DSM programmes utility and consumer both are important stake-holders to decide the success of any DSM scheme. For the detailed economic analysis total resource cost test (TRC) is chosen as a criterion to assess the cost-effectiveness of the DSM programme simultaneously from the utility and the customer point of view.

Keywords: Demand Side Management, Stake holders, Techno-economic analysis, Energy etc.