

AN OVERVIEW OF HYDRO POWER PROJECTS IN HIMACHAL PRADESH

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ABSTRACT

Energy is the most fundamental sector for the progress of a nation. It is inevitable for survival and indispensable for developmental activities to promote education, health, transportation and infrastructure for attaining a reasonable standard of living and is also a critical factor for economic development and employment. Hydroelectricity exists as one option to meet the growing demand for energy and is discussed in this paper. Renewable electricity generation in 2017 was 24.5 percent and non-renewable electricity generation was 75.5 percent in the world. India currently has 5th rank in the world. In this paper, an attempt has been made to study the overview of hydropower project and analyze the present status of hydropower potential and it's harnessing in Himachal Pradesh. The study is based on secondary data. The result shows that highest installed capacities of hydropower highest assessed hydropower total potential (MW) found in Satluj basin. Finally, the study reveals that highest installed hydropower capacity (MW) in the year, 2014-15. Whereas medium installed hydropower capacity (MW) in the year 2012-13 and minimum installed hydropower capacity (MW) in the year 2008-09. Further study reveals that hydro power projects create more job opportunities in the state and our country.

KEYWORDS: *Hydroelectricity, Economic Development, Renewable Energy Sources*