

HYDRO POWER AND COMPARATIVE TURBINE PERFORMANCE EVALUATION

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ABSTRACT

This paper presents a review of development of hydro power, its basics, teaching and performance evaluation. The laboratory experimental data pertaining to Pelton, Francis and Kaplan small turbines has been analysed. The analysis presented here is based on turbine shaft load resulting in utilization of water power and includes comparative overall efficiency, specific speed and unit quantities based on data is presented.

KEYWORDS: *Hydro Power, Classification, Turbines, Performance Evaluation, Experimental Data*

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