

## **POWER GENERATION AT DIFFERENT ELECTRICAL LOAD CONDITIONS BY USING 5HP DIESEL ENGINE EXHAUST GASES AND IMPULSE TURBINE**

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### **Abstract**

An Experimental study on Electrical Power generation by using the flow of Exhaust gases of 5HP Diesel Engine and the impulse turbine is presented in this paper. The main objective of the present study is to generating electrical power and comparison of power production for at different electrical load conditions. The performance parameters are calculated and listed, the respective graphs also plotted.

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**Keywords :** 5HP Diesel Engine, Impulse Turbine, Exhaust Gas velocity(m/s), Turbine Speed(rpm), Power production (watts), Power coefficient.