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PROJECT WORK REPORT ON

"RUNNING OF IC ENGINE USING HHO GAS AS ADDITIVE FUEL"

(Approved and Sponsored by KSCST)

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ABSTRACT

In this work, hydroxy gas (HHO) is produced by the electrolysis process of different catalysts Baking Soda ($NaHCO_3$) or Sodium Hydroxide (NaOH), with various electrode designs in a leak proof plexiglass reactor container (hydrogen generator). Catalysts are used to diminish oxygen and hydrogen bonds. Hydroxy gas is used as a supplementary fuel a single cylinder, four stroke spark ignition (gasoline) engine without any modification and without need for storage tanks. Its effects on engine performance characteristics and specific fuel consumption (SFC) are to be investigated.