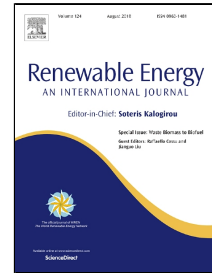


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A novel pumped hydro-energy storage scheme with wind energy for power generation at constant voltage in rural areas

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Graphical Abstract

A novel concept is proposed to design the upper reservoir to maintain the constant water head to generate quality power continuously using locally available renewable energy sources in rural areas.

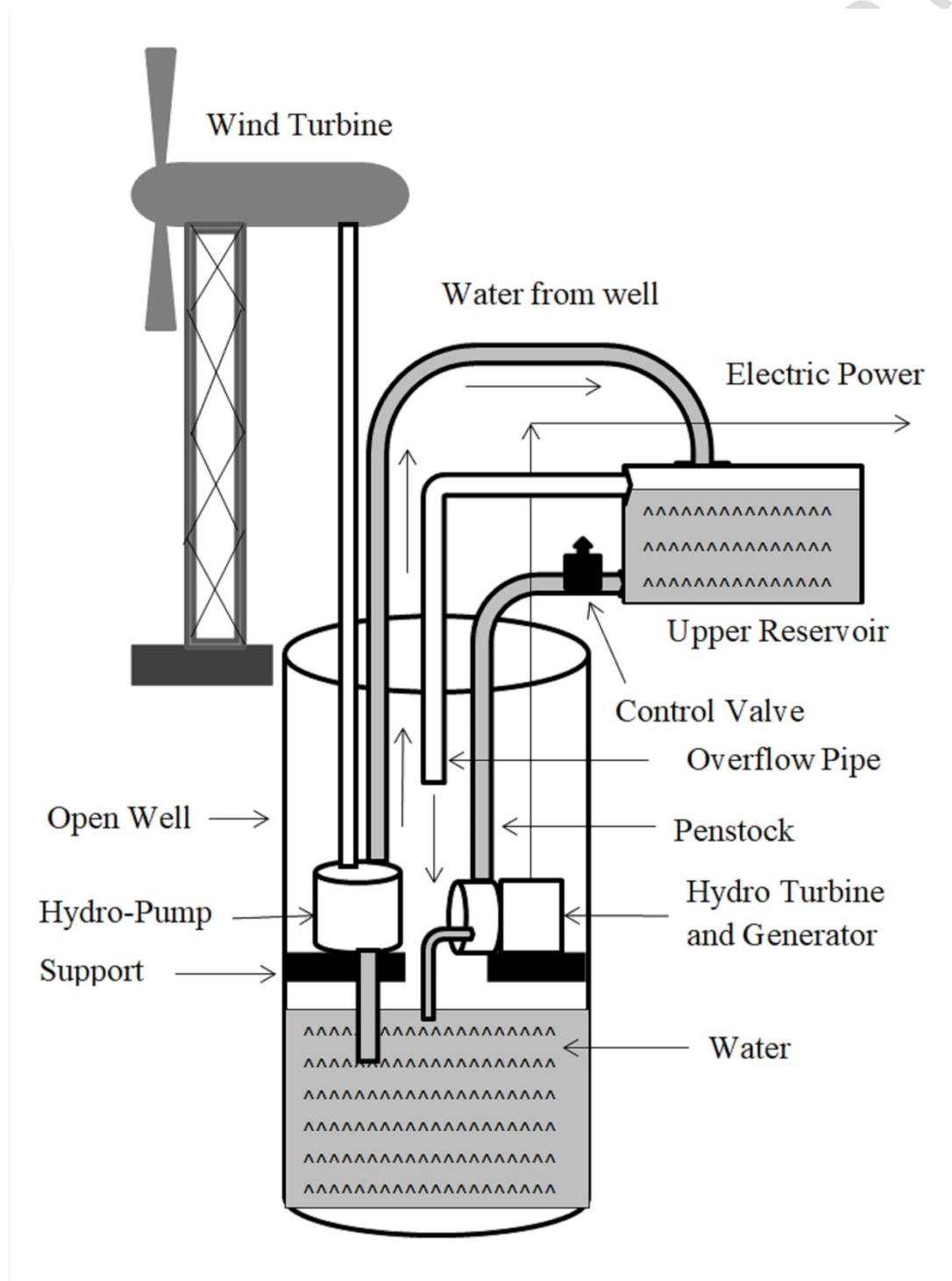


Fig. The proposed wind-PHES system

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