Low cost Hydroelectric Cell (HEC) for Energy Production

Introduction

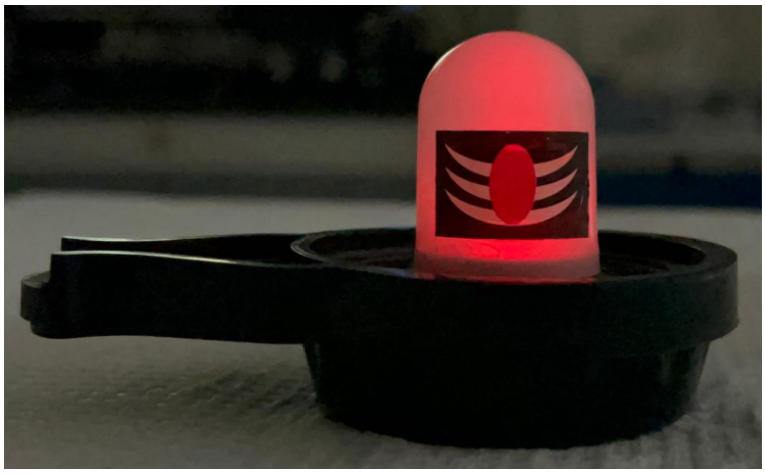
The HEC offers one of the cleanest and most environmentally friendly process to generate electricity, which is done by splitting water molecules into hydronium ions ($H3O^+$) and hydroxide ions (OH^-) without the application of external potential, etc and is one of the key sources of green energy, offering several advantages over other renewable energy source. As of now, solar energy is considered to be abundant and freely available but still now whole year sunlight is available. HEC on the other hand has no such dependency and works even with very small quantity of water, hence very cost effective and ecofriendly. It offers a facile energy generation process with useful bioproducts and can operate continuously at any temperature and weather conditions.

Features

- Low cost & Eco-friendly
- Green Energy & Hydrogen Production
- Alternative to Expensive Electrolyser
- Net zero-carbon Footprint
- Replacement of Solar Cell and other Power backups
- Scope of Application in Rural Set-ups and other household gazettes

Status

Present TRL Level: 3-4



Demonstration of HEC for Energy Generation