

# ENERGY

## Karnataka leads India in New Energy Generated highest power from renewable sources in year 2018

- 7<sup>th</sup> largest state in terms of generation capacity in India.
- The total installed generation capacity **28789.99 MW as of 2019**
- At present renewable sources contributes over 40% of the total installed capacity 12663.83 MW where as the Potential Available is around 86657 MW

### Wind Power

- Karnataka is counted among the top five destinations for wind energy in India and has a wind potential in excess of ~14 GW.

### Hydro Electric Power

- 1<sup>st</sup> hydroelectric generation station in Asia at Shivanasamudra, Mysuru operational since 1902
- The status of the installed capacity of Hydel power generation as of 2018 is 13.71% in total installed capacity.
- Karnataka has the highest potential of 7.9 GW of pumped storage hydro power in South India.

### Solar power

- State's solar PV potential is estimated 24.7 GW.
- Karnataka stands 1<sup>st</sup> in the world to setup 2000 MW Solar Park at Pavagada taluk in Tumkur district.
- 1<sup>st</sup> state to set up the utility scale solar power plant of capacity 3MW. Operating since Dec 2009.

- Bengaluru, is the best test site for Smart Grid in the country as Distribution Automation System and transmission SCADA are already Implemented

- BESCOM, one of the best distribution utility, rated as B+ in ICRA ratings

### Policy Support

- Renewable Energy policy 2016-2022, keen to attract renewable energy projects and to promote wind, SHP and Biomass power projects.
- Attractive incentives provided specifically to solar power generation projects via dedicated Karnataka Solar Policy 2014 – 21.

Rural Energy programmes - 3 main schemes are being implemented

- New National Biogas and Organic Manure Programme (NNBOMP),
- Nutana Soura Belaku Yojane
- The Karnataka State Bio-fuel Policy – 2009.

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