



NATIONAL ENERGY CONSERVATION DAY

14th December 2020

7 AFFORDABLE AND CLEAN ENERGY



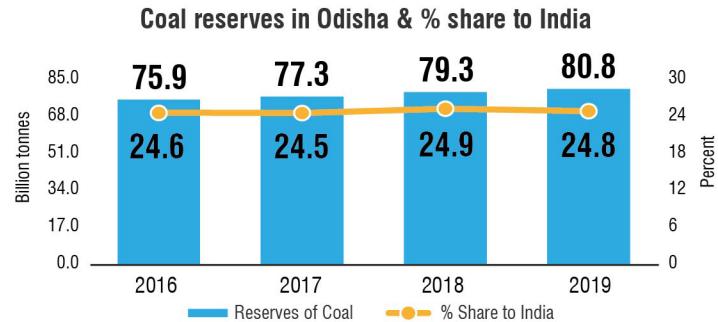
Sustainable Development Goal (SDG) 7¹ targets to “Ensure access to affordable, reliable, sustainable, and modern energy for all”.



Despite a jump of 27 points over 2018 on SDG Index Score for Goal 7, Odisha stood last (with Jharkhand) among states and 2nd last among all the states and union territories in 2019.

Only 32.6% households use clean cooking fuel (LPG)²

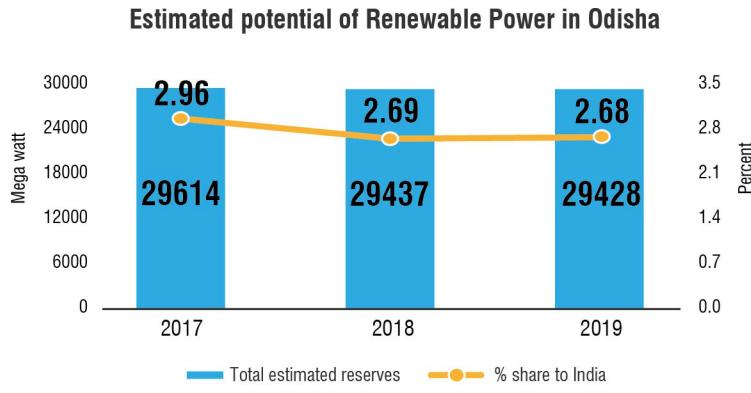
Odisha has the second highest coal reserves in the country.



- Odisha accounts for almost 25% of total coal reserves in the country since 2016.
- 6.5% increase in coal reserves in Odisha between 2016 and 2019.

SDG Goal 7 also targets to “increase substantially the share of renewable energy in the global energy mix”

Odisha reported 10th highest (2.68%) potential of renewable power in India in 2019



- The total estimated potential of renewable power in Odisha has slightly decreased between 2017 and 2019.

Schemes and programmes:

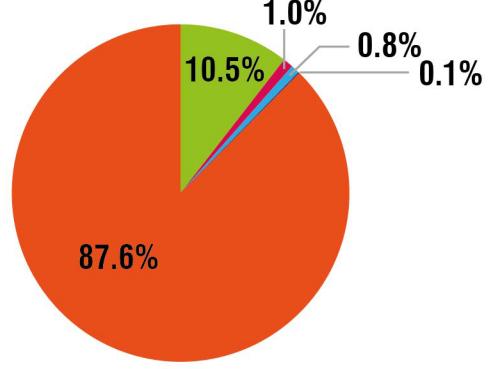
Capacity installed under Off-grid SPV Programme during 2019-0³

	Solar home light	Solar lamp	Solar street light	Solar pump
Odisha	0	0	2544 (12.4%)	224 (2.5%)
India (Total)	6129	1602821	20554	8954

- To provide clean power to all, the mission of “Electricity to All” is bearing fruits. Out of 47,675 villages in Odisha, 99.64% in habited revenue villages have been electrified by the end of 31st March 2019⁴.
- RAJIV GANDHI GRAMEEN VIDYUTIKARAN YOJANA (RGGVY): 14402 Un-Electrified villages, 26353 Partially-Electrified villages and 2315605 BPL houses have been electrified. 2876149 BPL kits have also been installed⁵.
- UJALA program: As on 29.11.2019, 5.22 Crore LED bulbs, about 1.59 lakh LED tube lights and 37,470 BEE Star rated “UJALA” fans have been distributed⁶.
- PRADHAN MANTRI UJJWALA YOJANA (PMUY): As on September 2019, 47.50 lakhs PMUY connections released⁷.

Solar energy is the source of almost 90% of potential of renewable power in Odisha, other important sources like biomass power & waste to energy contributes less than 1%.

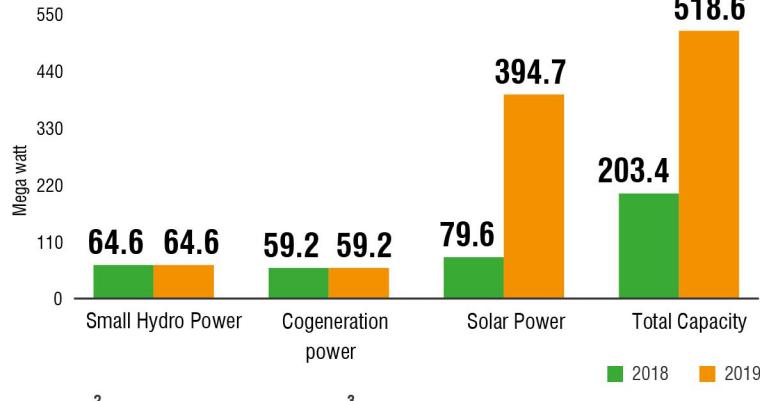
Source wise potential of Renewable Power in Odisha in 2019



■ Solar Energy ■ Wind Power @ 100m ■ Biomass Power
■ Small Hydro Power ■ Waste to Energy

Solar power has increased 5 times, leading the total capacity to increase 2.5 times between 2018 and 2019.

Cumulative installed capacity of Grid Interactive Renewable Power



Notes: ¹ Niti Aayog's SDG India Index captures data on one out of five Sustainable Development Goal targets for Goal 7 ² <https://sdgindiaindex.niti.gov.in/> ³ Annual report 2019-20, Ministry of new and renewable energy

⁴ Odisha Economic survey, 2019-20

⁵ Annual activity report 2019-20, Department of Energy, Odisha

⁶ Annual activity report 2019-20, Department of Energy, Odisha

⁷ Ministry of Petroleum and Natural Gas