

## Introduction to Solar Energy Corporation of India Limited

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### BACKGROUND

India, as one of the signatories to the 2015 Paris Agreement, has made a commitment to reduce emission intensity of the economy by one-third and to have at least 40% of the electric power generation capacity from clean energy sources by the year 2030.

Towards this objective, the Ministry of New and Renewable Energy (MNRE) is spearheading one of the world's largest renewable Energy (RE) programmes, targeting installation of 175 GW of RE projects by the year 2022 and 500 GW of non-fossil based energy capacity by the year 2030.

Solar Energy Corporation of India Limited (SECI) was set up in 2011 to facilitate the implementation of Jawaharlal Nehru National Solar Mission (JNNSM) and to achieve the targets set forth by it. SECI was initially incorporated as a section 25 company (Not-for-profit) under the Companies Act, 1956. In the year 2015, it was converted into a Section-3 company. SECI is a Schedule-A Central Public Sector Undertaking (CPSU). It is the only CPSU dedicated to the development of RE sector in India and its scope of activities covers all RE sources.

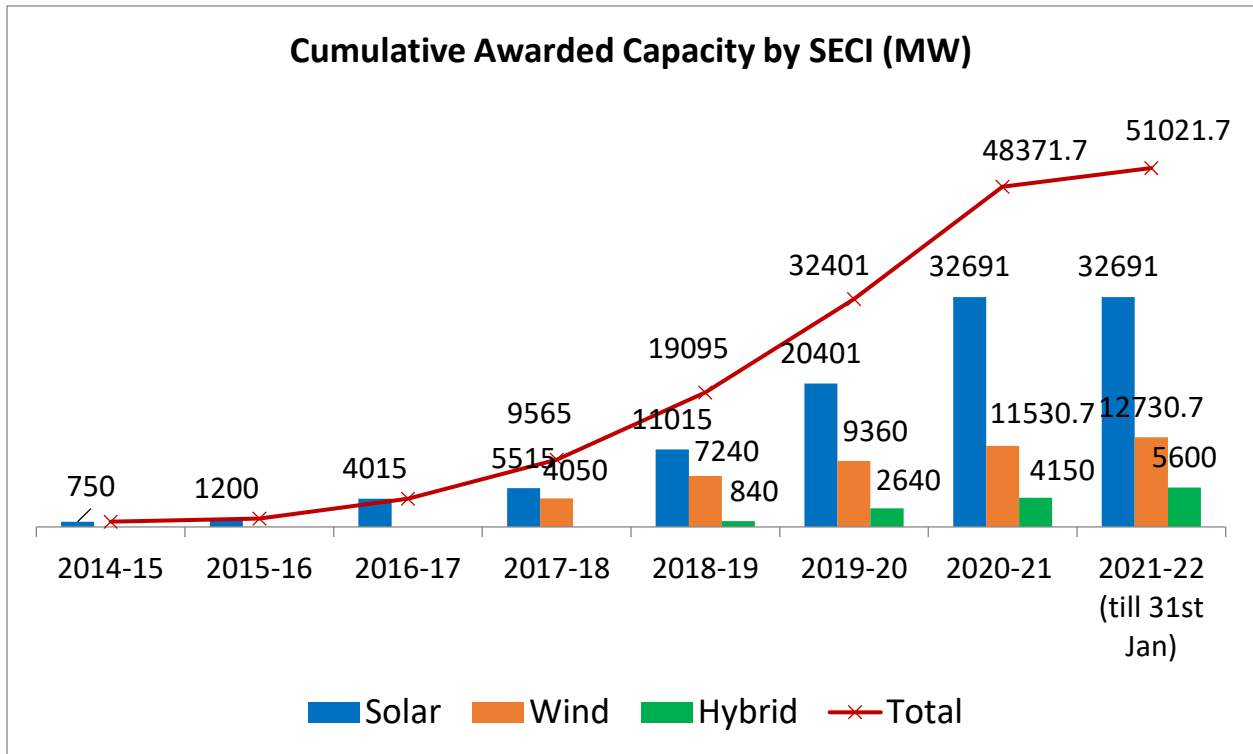


### BUSINESS AREAS

#### 1. Implementation of Govt. Schemes/tenders

SECI is an implementing agency of MNRE for issuing tenders for development of solar projects, wind power and hybrid projects on pan-India basis on the basis of

Standard bidding guidelines issued by the Government. Presently, over 51 GW of project capacity has been awarded to various developers through competitive bidding process. Out of this, more than 13 GW of capacity has been commissioned and rest of the projects are under various stages of implementation (as on 31<sup>st</sup> January 2022).



In these projects, SECI is the power procurement intermediary between the project developers and Distribution companies (Discoms) and enters into 25-year Power Purchase Agreements



***390 MW Solar Project under SECI tender***



***Wind Turbine in a 250 MW Project under SECI tender***

(PPAs) and Power Sale Agreements (PSAs) with these entities respectively. Under this model, SECI offers payment security to developers and undertakes to collect payment from Discoms. SECI's payment security mechanism has helped in providing bankability to the agreements, resulting in very good participation in its tenders and in lowering of the tariffs.

SECI has also played a pivotal role in promoting rooftop solar PV projects through competitive bidding route in the country under various schemes of MNRE. SECI has helped in commissioning of over 5000 projects with an aggregate capacity of 350 MW in various States/Union Territories through developers.

SECI is also implementing various schemes of MNRE in which it plays the role of disbursing Central Financial Assistance (CFA) to the project implementing agencies on the basis of pre-defined scheme milestones. Major schemes are- Solar Parks Scheme, Canal Top/ Canal Bank Scheme, Scheme for Defence Establishments and CPSU scheme.



***2245 MW Bhadla Solar Park, Rajasthan***



***2050 MW Pavagada Solar Park***

## 2. Own Projects

SECI has set up 21 MW of solar projects on pilot scale through its own investment and about 3300 MW of projects are further planned/in pipeline.



Some of the major projects under execution are:

*SECI-owned 10 MW Solar Project at DRDO, Karnataka*

- 100 MW/160 MWp solar project with 40MW/120 MWh Battery Energy Storage Systems (BESS) in Chhattisgarh
- 20 MW/50 MW(DC) with 50 MWh BESS in Leh
- 1.95 MW solar + 2.15 MWh BESS in Lakshadweep
- 100 MW floating solar in Getalsud reservoir, Jharkhand
- 200 MW Solar-wind Hybrid project in Ramagiri, Andhra Pradesh

## 3. Project Management Consultancy

SECI also offers project management consultancy (PMC) services to other Govt. agencies/PSUs for RE projects including project conceptualization, Detailed Project Report (DPR) preparation, tender documents preparation and bid management, construction management and commissioning. SECI is implementing over 400 MW of projects for various entities under PMC mode out of which,



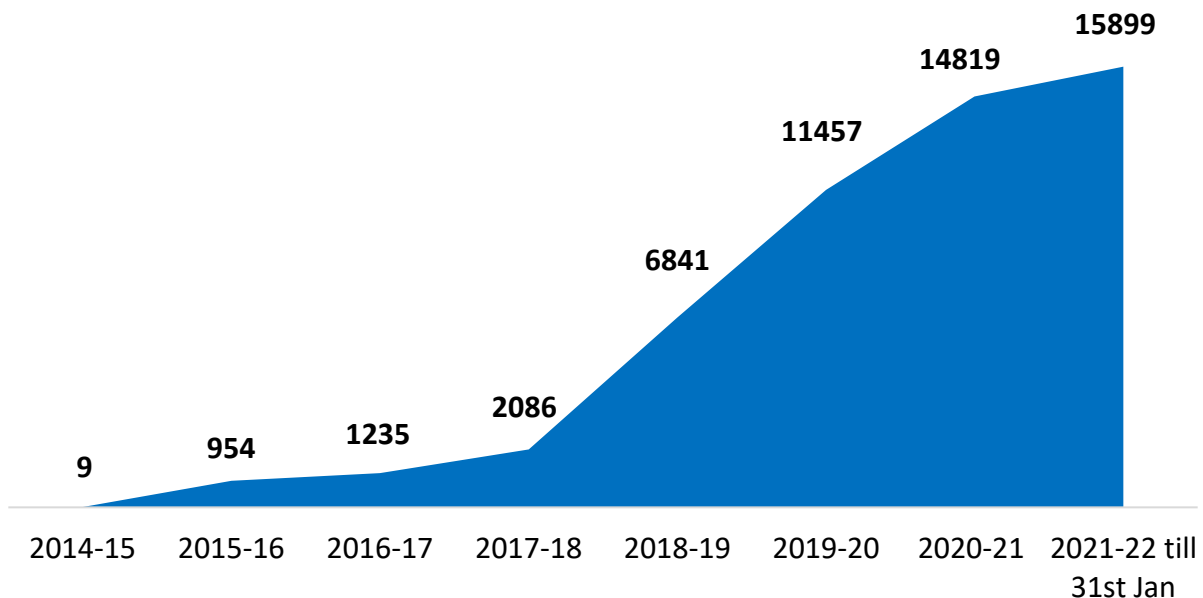
*5.76 MW Rooftop project of GAIL- SECI was the PMC*

about 280 MW capacity has been commissioned. Major projects include 50 MW project for Indian Renewable Energy Development Agency (IREDA), 50 MW for THDC, 15 MW for Bharat Electronics Limited (BEL) and 300 MW for Singareni Collieries Company Limited (SCCL).

#### 4. Power Trading

SECI is a Category-1 licensee for trading of power on pan-India basis. It is the power procurement intermediary for projects being set up through its tenders, procuring power from developers and selling to Discoms through long term PPAs/PSAs. SECI is the premier trader of RE power in the country. It has cumulatively signed PPA/PSAs of more than 40 GW and is trading renewable energy with 26 States/Union Territories.

**Trend of Annual Power Trading Volume (Million Units)**



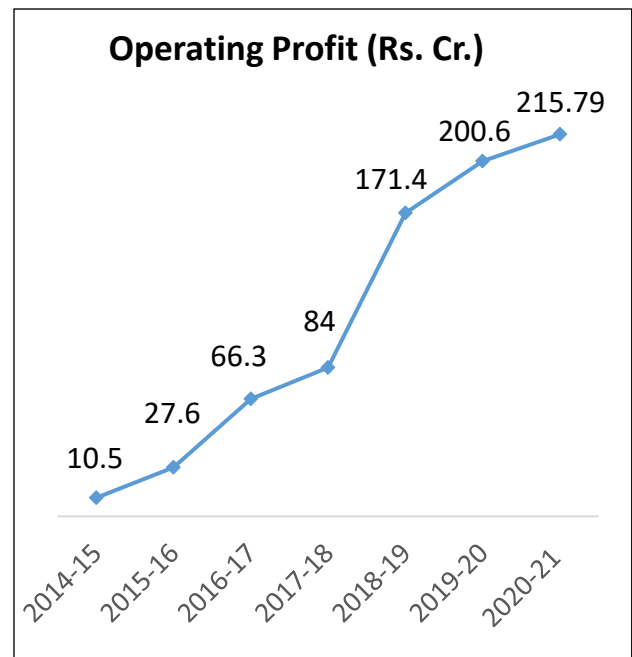
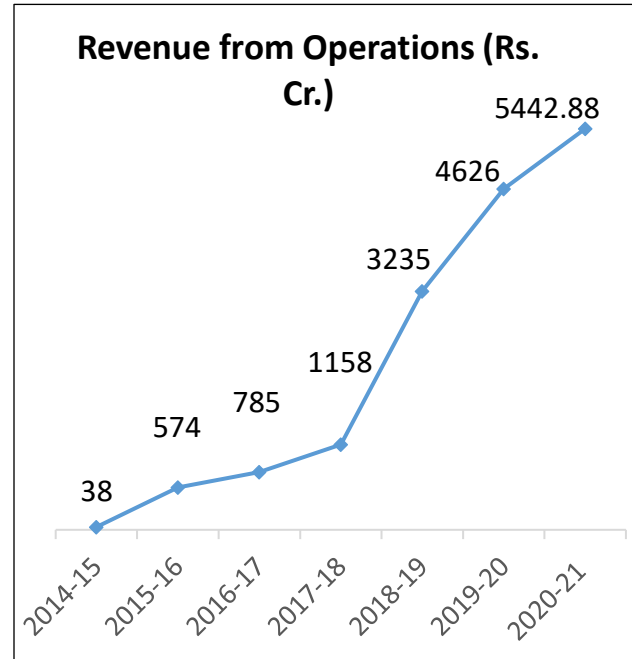
## FINANCIAL PERFORMANCE

SECI has an authorized share capital of Rs. 2000 Cr. of which the paid up share capital is Rs. 354 Cr. The Government has recently approved an infusion of additional Rs. 1000 Cr. equity in the company.

SECI is a profit-making company since the year 2014-15. The company has demonstrated steady growth every year, both in terms of Revenue and Profits. For FY 2020-21, the company's Revenue from Operations is Rs. 5442.88 Cr. and its Operating profit is Rs. 215.79 Cr. Its net worth is Rs. 873.58 Cr. (as on 31.03.2021).

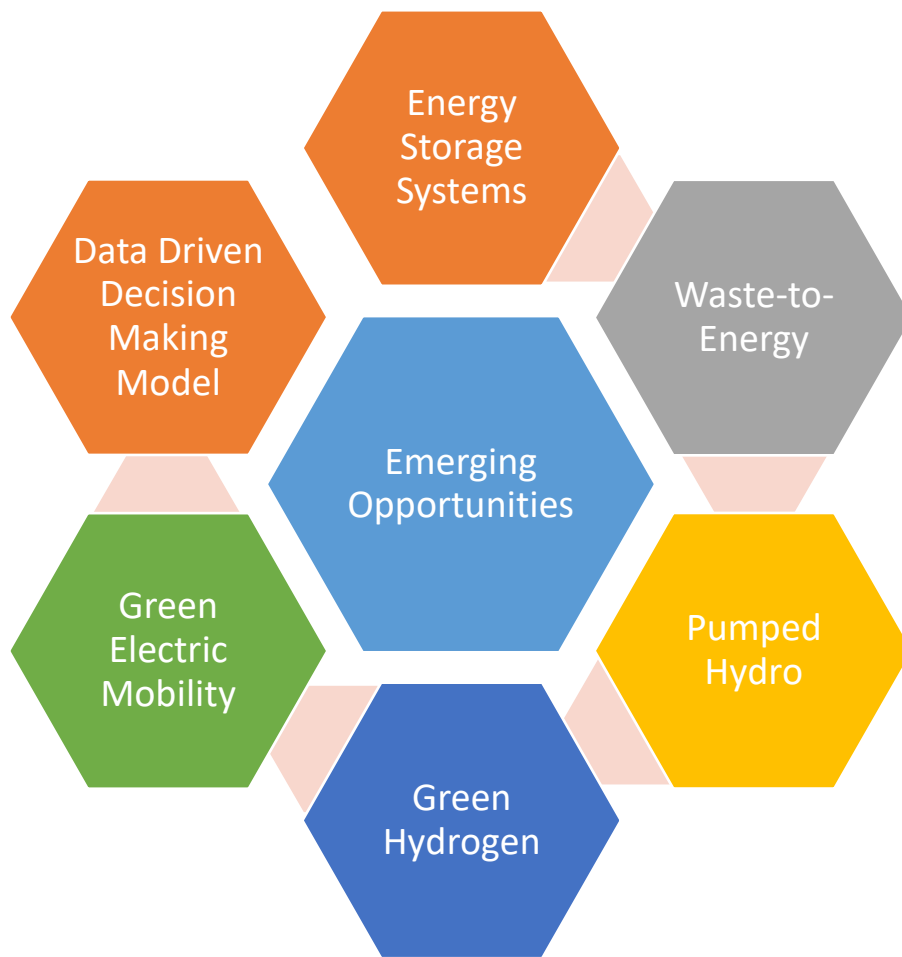
SECI is rated as AAA in Credit Rating by ICRA.

The company is presently debt-free.



## EMERGING AREAS

In line with rapidly evolving RE sector, SECI is foraying into new business areas such as Green Hydrogen & Green Ammonia, Greening Electric Vehicle Charging, Waste-to Energy, Energy Storage etc. and engaging with relevant stakeholders.



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