Creating enabling ecosystem for rooftop solar

Current policies, incentives and innovative mechanisms

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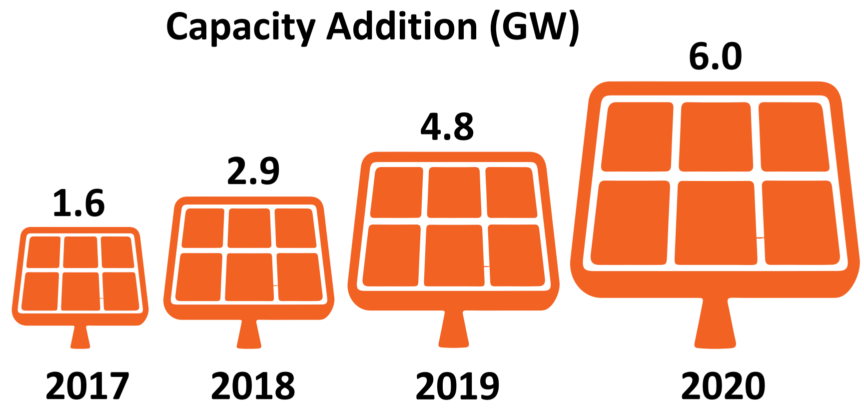
Rooftop solar journey



52%

Industrial sector

Large unutilised roof areas, higher electricity consumption and grid tariff are driving the demand in the sector

35%

Commercial and public sector

Higher electricity tariff and RESCO model make rooftop solar an attractive option for commercial consumers

13%

Residential sector

Lack of consumer awareness, roof ownership and high upfront cost are some of the key impediments

- Favourable policy and regulatory ecosystem
- Incentive schemes for early adopters
- Consumer awareness
- Industry innovations

- Sharing cost and benefit of rooftop solar equitably
- Innovative business models for accelerated growth

Bridge to India (2020), India Solar Rooftop Map

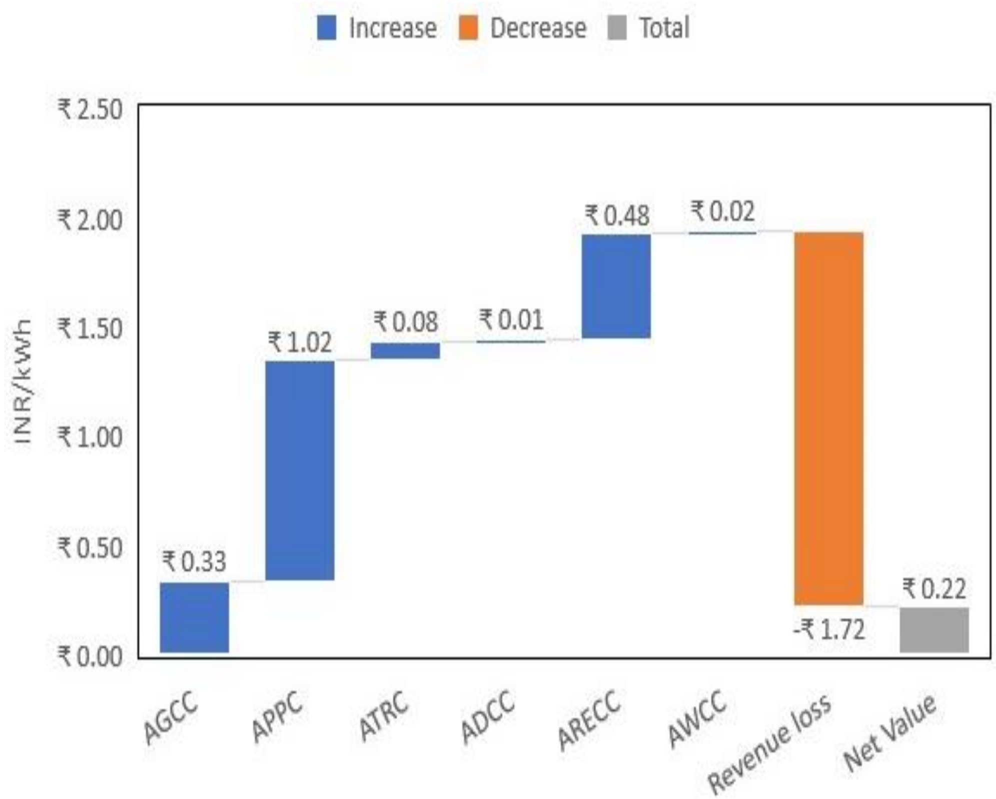
Equitable sharing of cost and benefits

Generation
- Avoided generation capacity cost (AGCC)
- Avoided power purchase cost (APPC)

Transmission
- Avoided transmission charges (ATRC)

Distribution
- Avoided distribution capacity infrastructure and related O&M cost (ADCC)

Externalities
- Avoided renewable energy certificate cost (ARECC)
- Reduced working capital (AWCC)



- Revenue loss
- Added transmission and distribution services cost

Current Net-metering or Gross-metering regulations benefit either the consumers or the Discom

CEEW (2019), Valuing Grid-connected Rooftop Solar: A Framework to Assess Cost and Benefits to Discoms

CEEW THE COUNCIL 10 YEARS

Innovative business models for accelerated growth

High upfront capital

Lack of access to affordable financing

Lack of knowledge about trustworthy vendors

Small and distributed systems

Lack of awareness

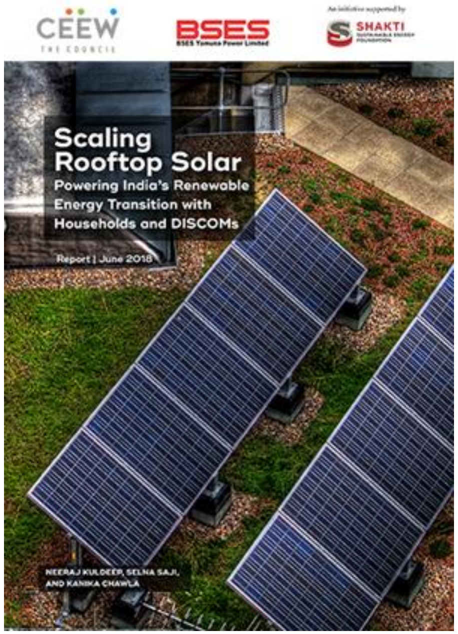
Lack of access to suitable roof spaces

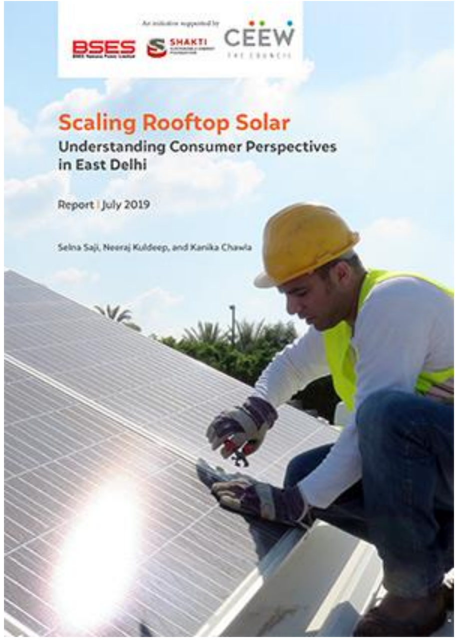
Community Solar for multi-story buildings

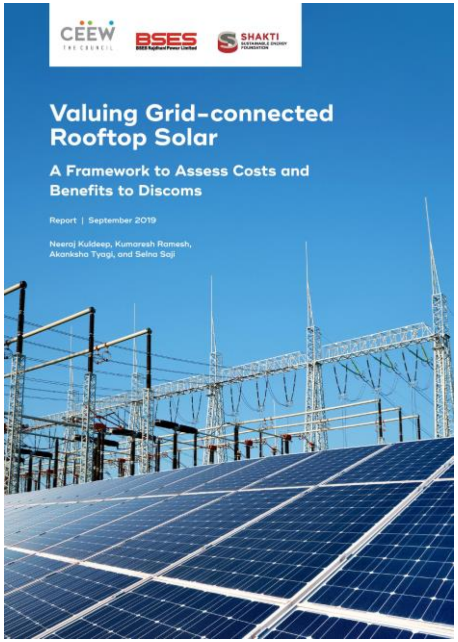
On-bill Finance

Solar Partners model

Rural community feeder model







Thank you

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