BRIDGE TO INDIA

www.bridgetoindia.com

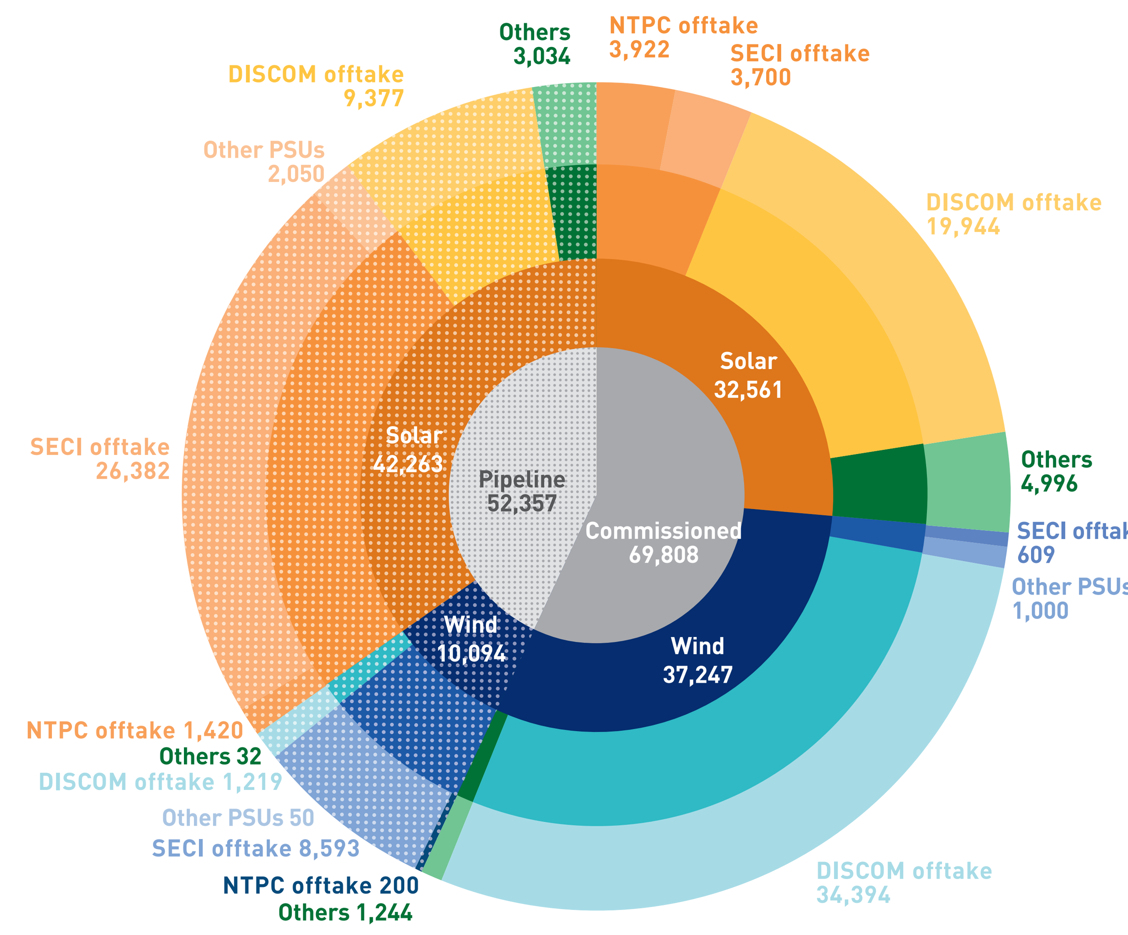
INDIA RENEWABLE MAP 2020 JUNE

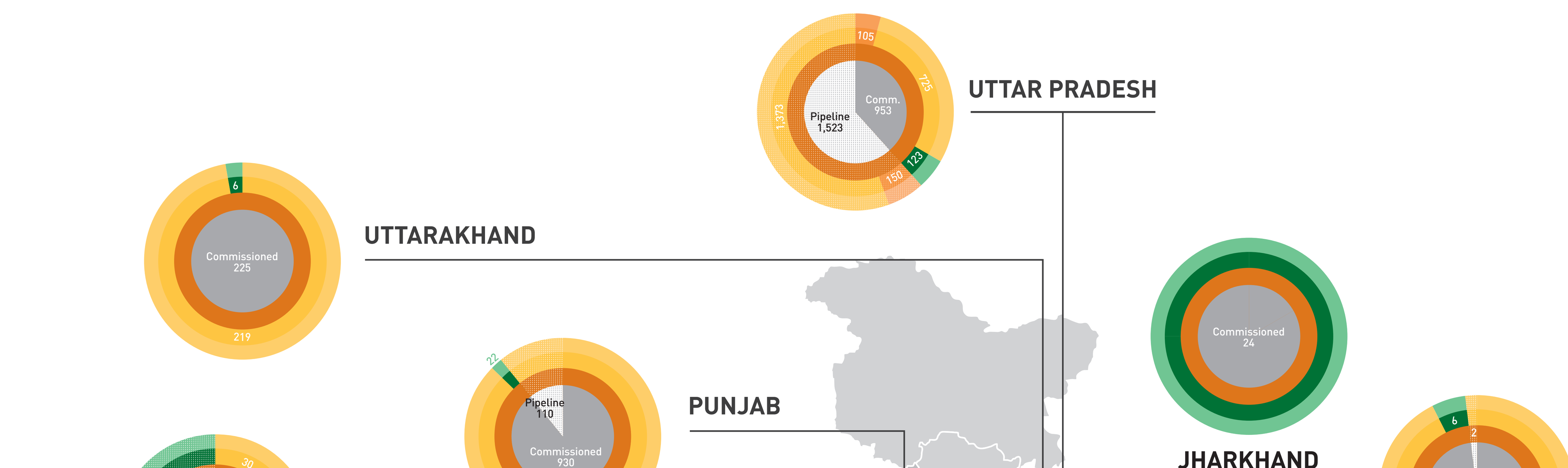
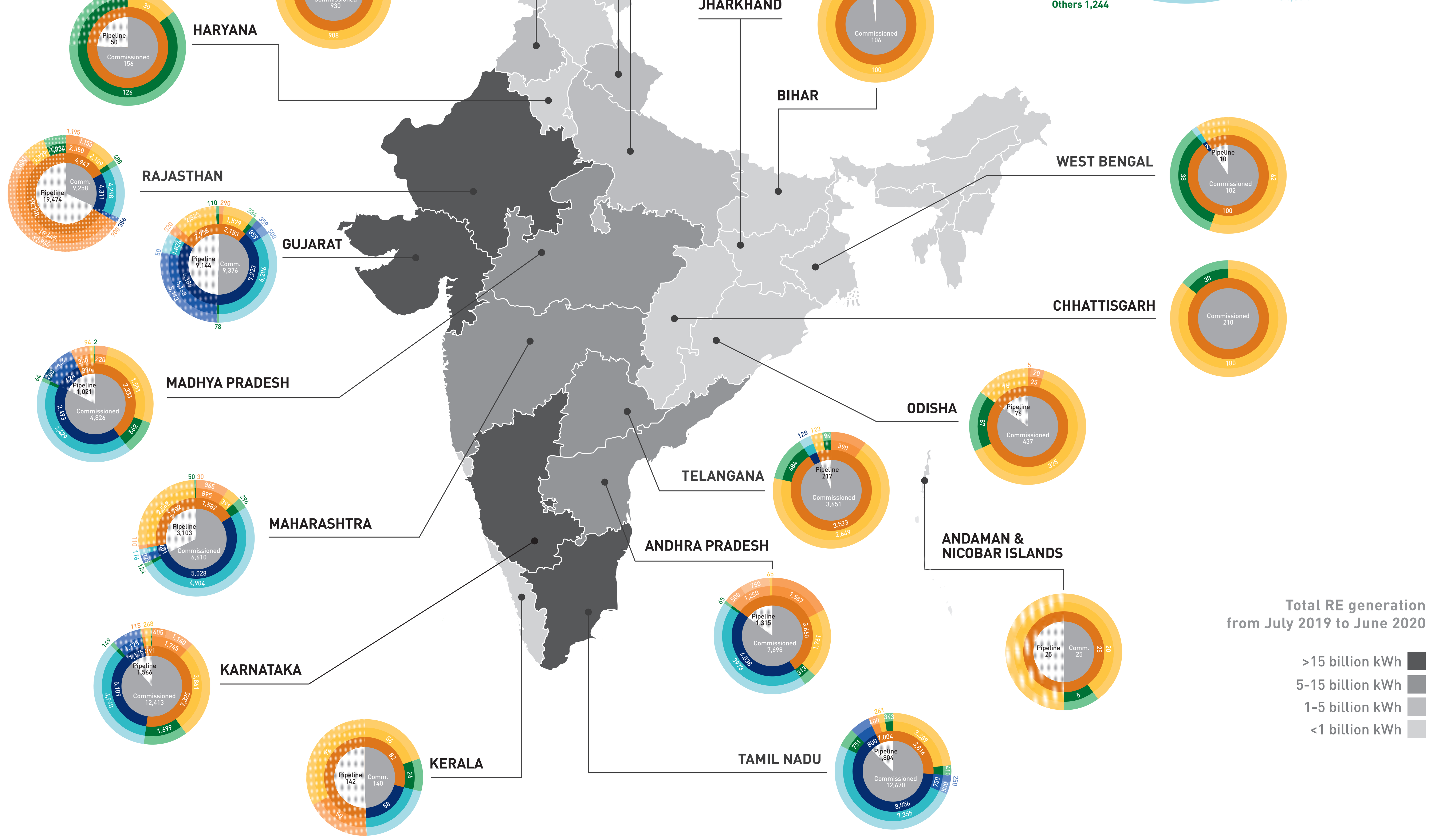
Lead sponsors: LONGi, solis inverters

Associate sponsor: STI norland

Total utility scale solar and wind capacity as on 30 June 2020[1]

All figures in MW

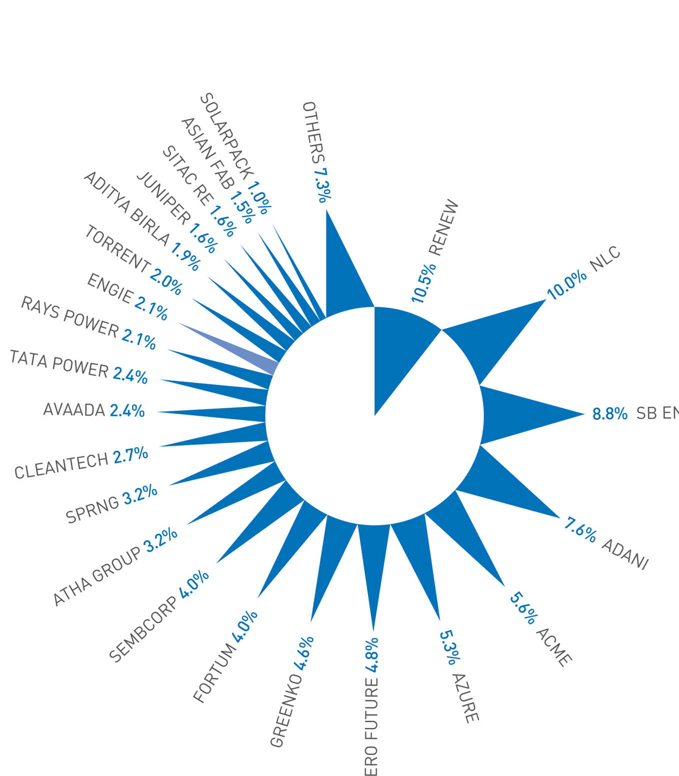


Leading players[1]

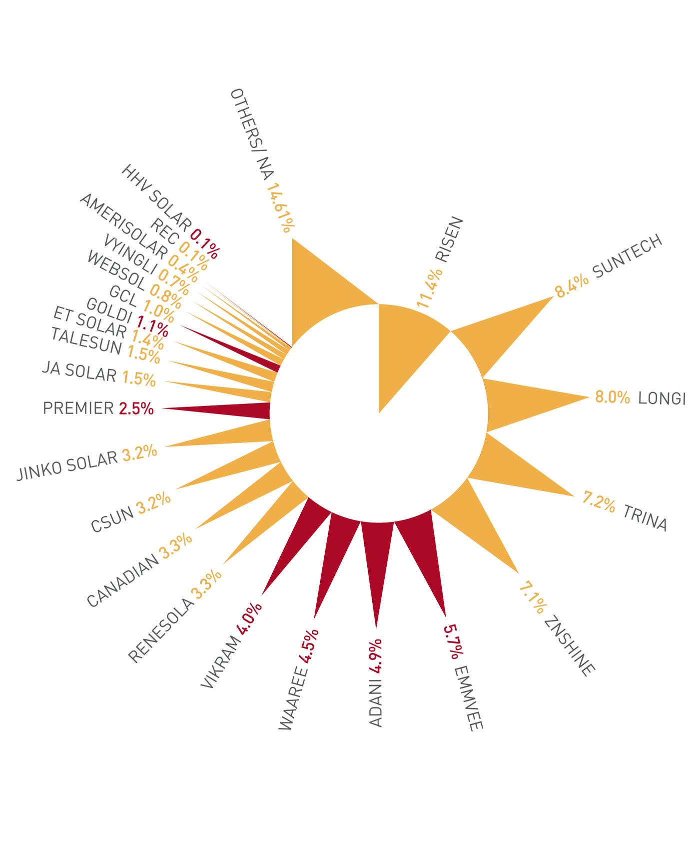
(Utility scale solar and wind projects commissioned between July 2019 - June 2020, totaling 6,284 MW)

Project developers



Module suppliers

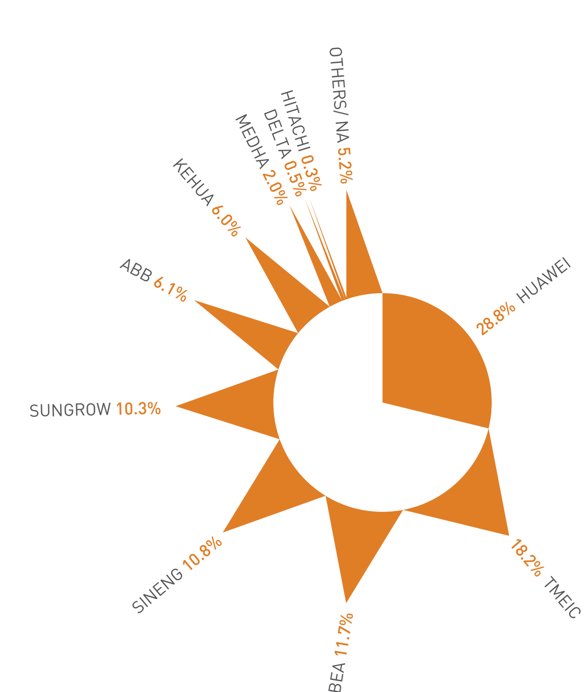
(estimated DC size - 6,373 MW)



Domestic manufacturers

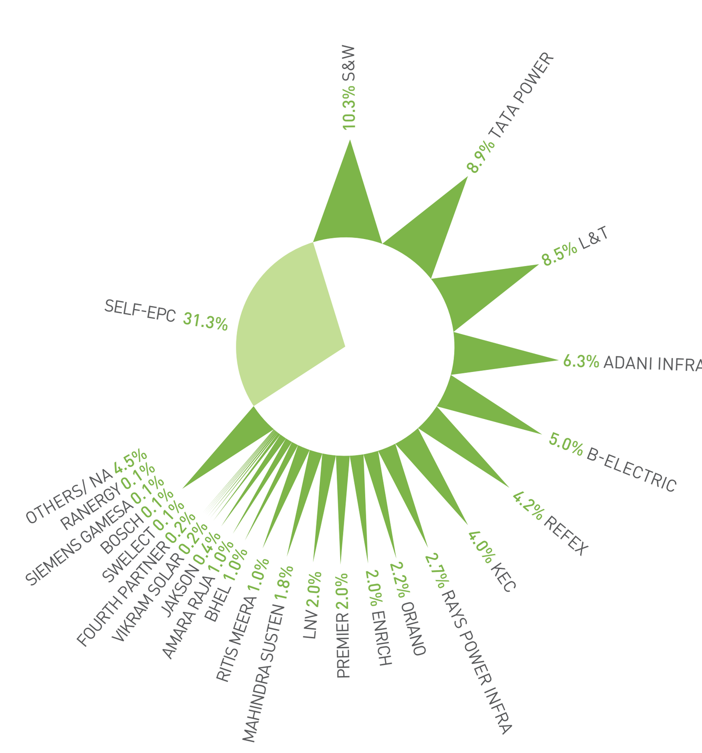
Inverter suppliers

(AC size - 4,971 MW)



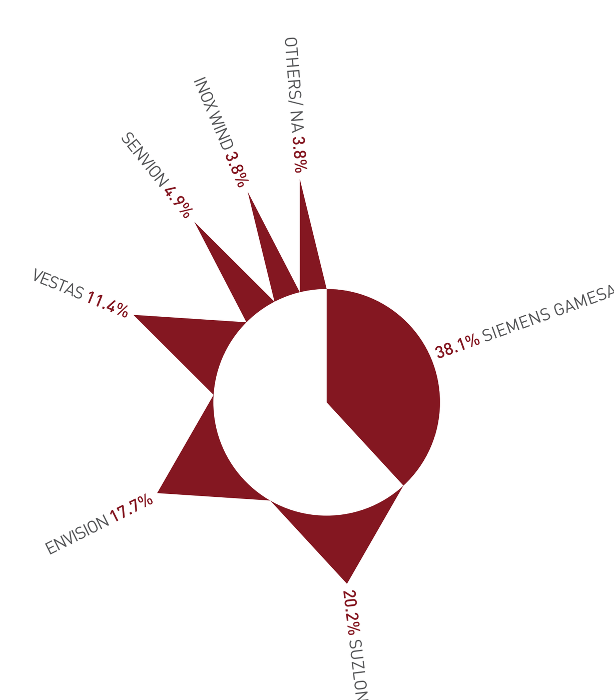
Solar EPC contractors

(AC size - 4,971 MW)



Turbine manufacturers

(1,313 MW)



BRIDGE TO INDIA

Lead sponsors: LONGi, solis inverters

Associate sponsor: STI norland

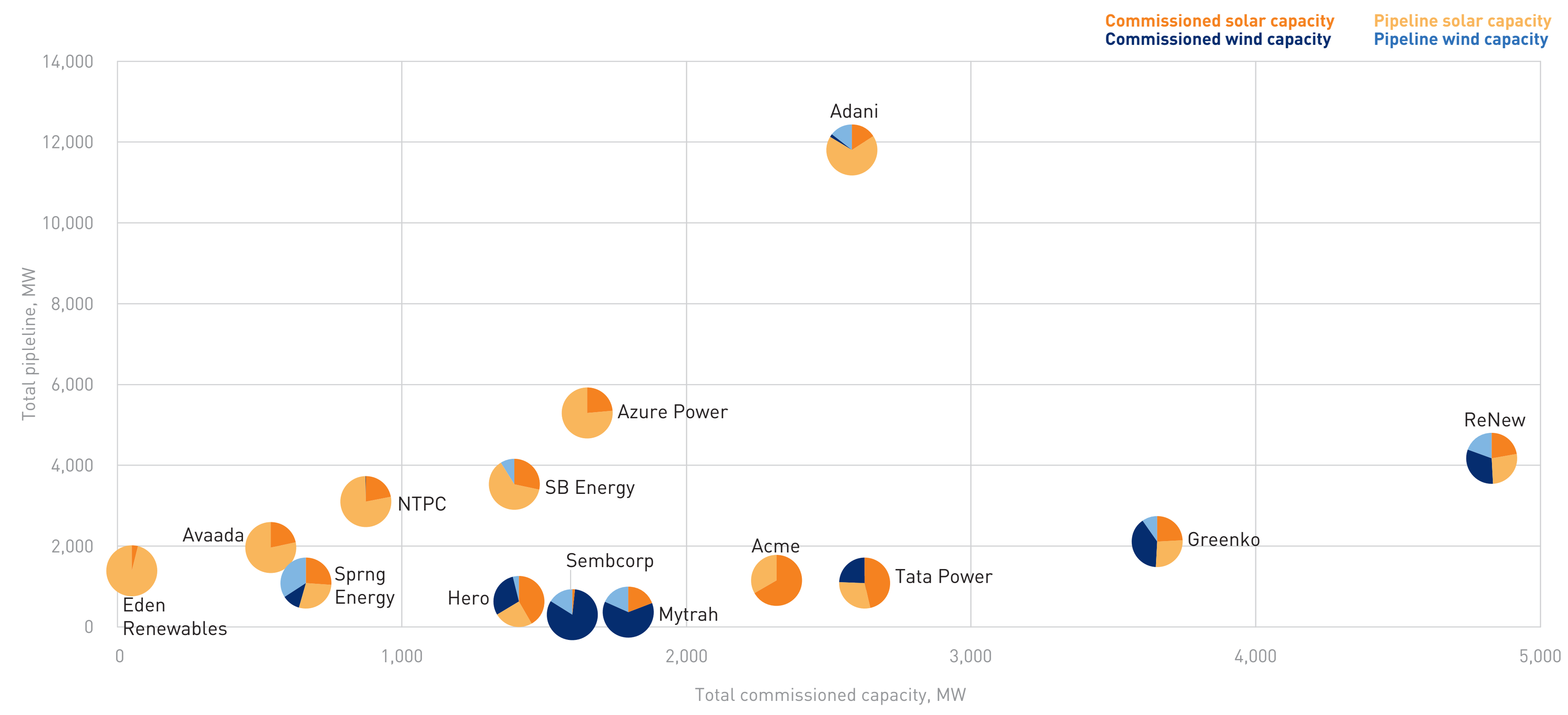
Top 10 players

(projects commissioned between July 2019 to June 2020)

Current rank	Project developers: Company Name	Previous rank	Increase/ Decrease	Module suppliers: Company Name	Previous rank	Increase/ Decrease	Inverter suppliers: Company Name	Previous rank	Increase/ Decrease	Solar EPC contractors: Company Name	Previous rank	Increase/ Decrease	Turbine manufacturers: Company Name	Previous rank	Increase/ Decrease
1	ReNew	3	▲	Risen	1	◀▶	Huawei	2	▲	S & W	1	◀▶	Siemens Gamesa	2	▲
2	NLC	2	◀▶	Suntech	5	▲	TMEIC	1	▼	Tata Power	2	◀▶	Suzlon	1	▼
3	SB Energy	1	▼	Longi	-	▲	TBEA	5	▲	L&T	4	▲	Envision	-	▲
4	Acme	-	▲	Trina	10	▲	Sineng	-	▲	Adani Infra	-	▲	Vestas	3	▼
5	Azure Power	4	▼	ZNShine	2	▼	Sungrow	3	▼	B-Electric	7	▲	Senvion	7	▲
6	Hero Future	-	▲	Emmvee	-	▲	ABB	4	▼	Refex	6	◀▶	Inox Wind	6	◀▶
7	Greenko	-	▲	Adani	-	▲	Kehua	8	▲	KEC	8	▲			
8	Adani	9	▲	Waaree	6	▼	Medha	-	▲	Rays Power Infra	-	▲			
9	Fortum	10	▲	Vikram	3	▼	Delta	6	▼	Oriano	9	◀▶			
10	Sembcorp	-	▲	Renesola	-	▲	Hitachi	7	▼	Enrich, Premier, LNV	-	▲			

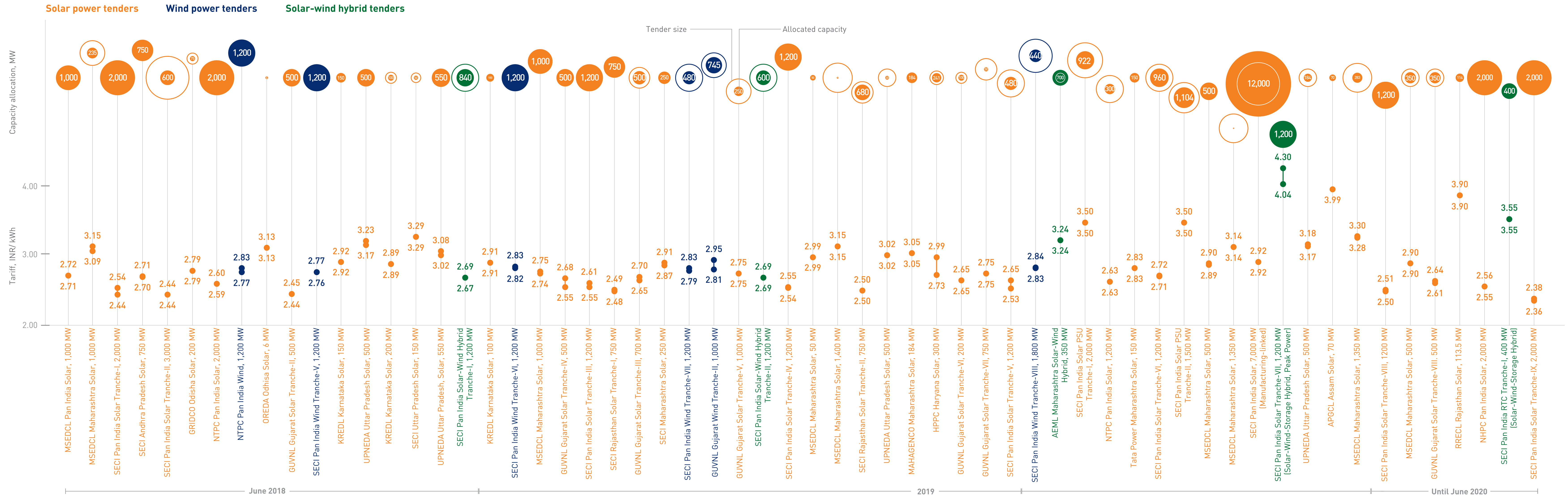
Top 15 project developers

(Utility scale solar and wind capacity as on 30 June 2020)

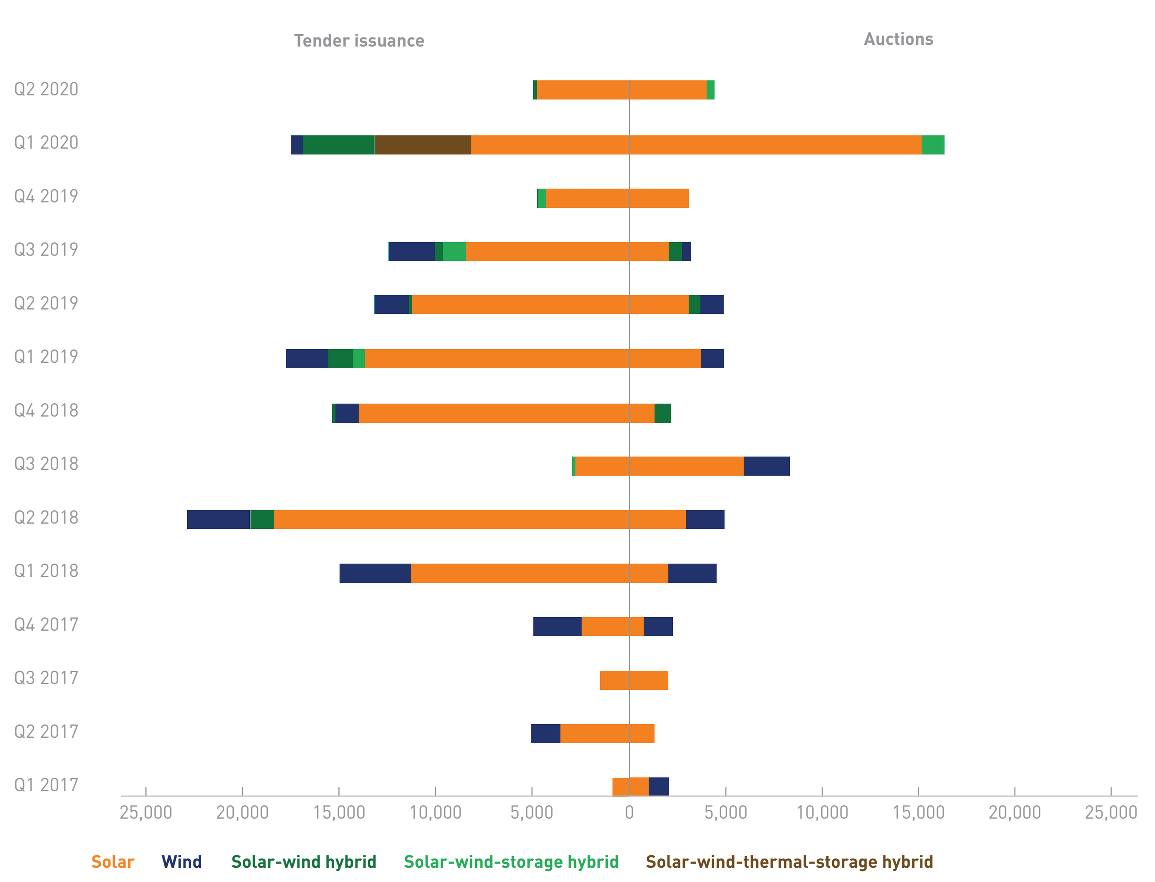


RE tariff trend[2]

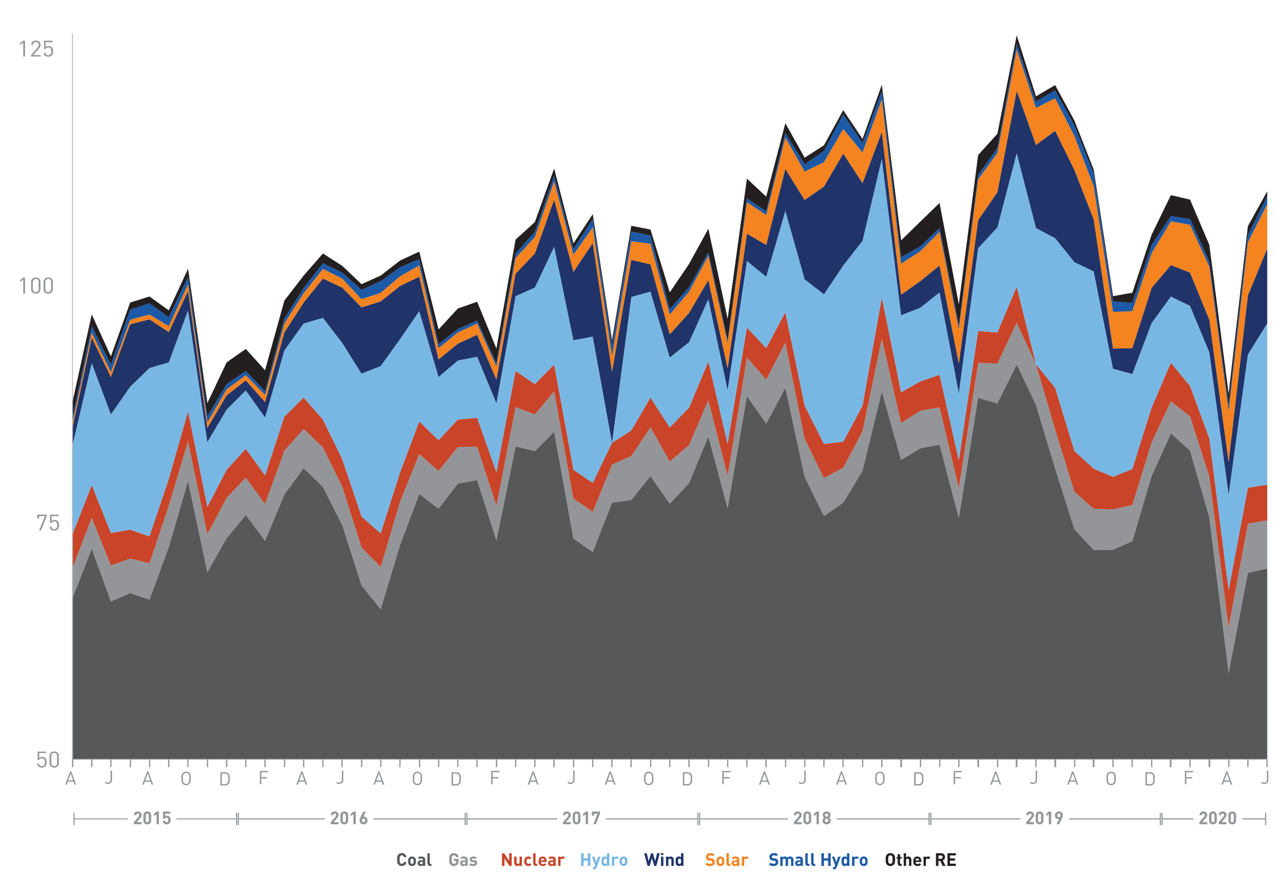
Solar power tenders · Wind power tenders · Solar-wind hybrid tenders



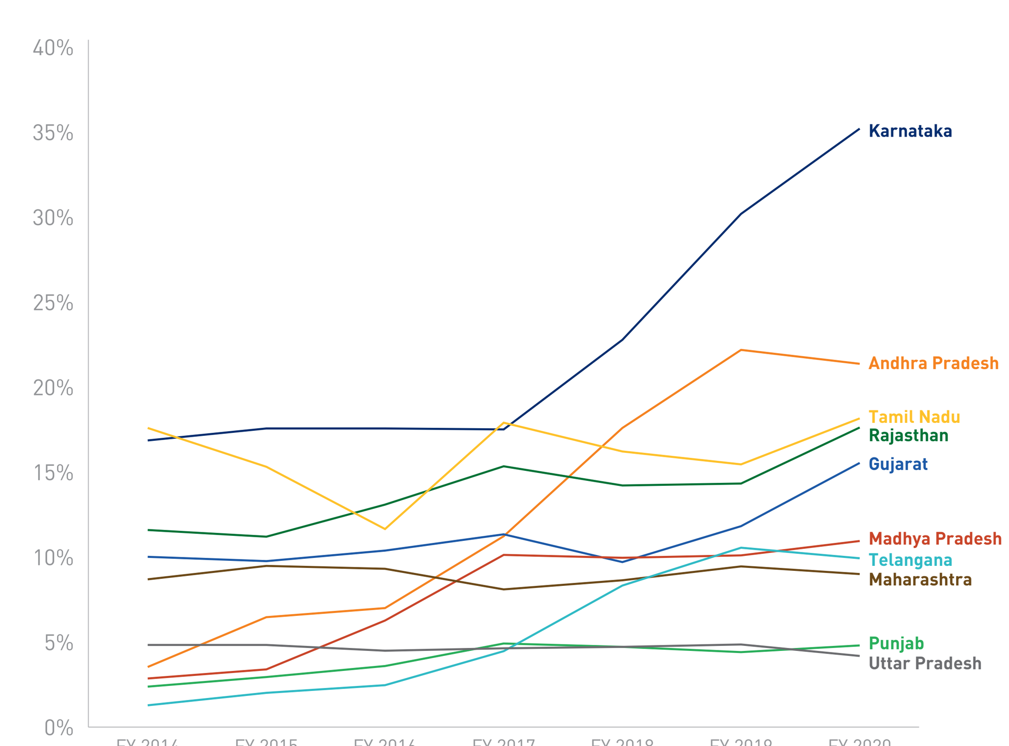
Tender issuance and auctions, MW



Electricity generation by source, billion kWh



Ratio of RE power generation to total power consumption



Notes

1. Methodology
   a. BRIDGE TO INDIA has conducted an extensive data collection exercise and relied on multiple market sources including MNRE, CEA, state nodal agencies, project developers and equipment suppliers to provide accurate, factual information as far as possible. Some suppliers were either unreachable or did not validate the data available with us. All data has been cross-referenced, where possible. However, we do not guarantee completeness or accuracy of any information.
   b. This report includes only offsite, grid connected projects. Onsite projects for captive consumption are not covered in this report.
   c. Market shares for all players are given on the basis of capacity commissioned by them in the 12 month period from July 2019-June 2020.
   d. Pipeline includes projects that have been allocated to developers and are under different stages of development and construction. It includes projects where execution of PPA and/ or regulatory approval may still be pending.
   e. For solar-wind hybrid tenders, we have estimated solar and wind capacity on the basis of tender specifications and prevalent market norms.
   f. States with less than 20 MW commissioned capacities are not shown on the map.
   g. All tender and project capacity data is stated in AC MW. For module supplier market share analysis, we have used DC numbers, where available, or increased AC project capacities by 50%.
   h. Location for 12,544 MW of pipeline projects under inter-state transmission tenders is not available.
   i. In many projects, the EPC contractor role is split between multiple parties. We have used several criteria including final responsibility for commissioning and value of contracts for determining credits.
   j. Self-EPC denotes EPC services rendered in-house by developers or their affiliates, who are not engaged in providing EPC services to third party clients.
   k. For projects with escalating tariff structure, levellised tariff has been shown.
   l. Cancelled tenders and projects have not been considered.
   m. Renewable power generation data sourced from CEA includes generation from solar and wind sources only.
   n. Projects where NVVN is the offtaker is considered under NTPC capacity.
2. Acronyms used:
   a. AEML – Adani Electricity Mumbai Limited
   b. APGCL – Assam Power Generation Corporation Limited
   c. GRIDCO – Grid Corporation of Odisha
   d. GUVNL – Gujarat Urja Vikas Nigam Limited
   e. HPPC – Haryana Power Purchase Centre
   f. KREDL – Karnataka Renewable Energy Development Limited
   g. NHPC – National Hydroelectric Power Corporations
   h. MAHAGENCO – Maharashtra State Power Generation Company
   i. MSEDCL – Maharashtra State Electricity Distribution Corporation Limited
   j. OREDA – Orissa Renewable Energy Development Agency
   k. RRECL – Rajasthan Renewable Energy Corporation Limited
   l. SECI – Solar Energy Corporation of India Limited
   m. UPNEDA – Uttar Pradesh New & Renewable Energy Development Agency
3. This report has been sponsored by Longi and Solis (Lead Sponsors), and STI Norland (Associate Sponsor) but all production responsibility, editorial rights and copyrights remain with BRIDGE TO INDIA.

© BRIDGE TO INDIA Energy Private Limited
C-8/5, DLF Phase 1,
Gurugram - 122001 (HR), India

P +91 124 4204003
E marketing@bridgetoindia.com
W www.bridgetoindia.com

BRIDGE TO INDIA

Lead sponsors: LONGi, solis inverters · Associate sponsor: STI norland

INDIA RENEWABLE MAP 2020 JUNE