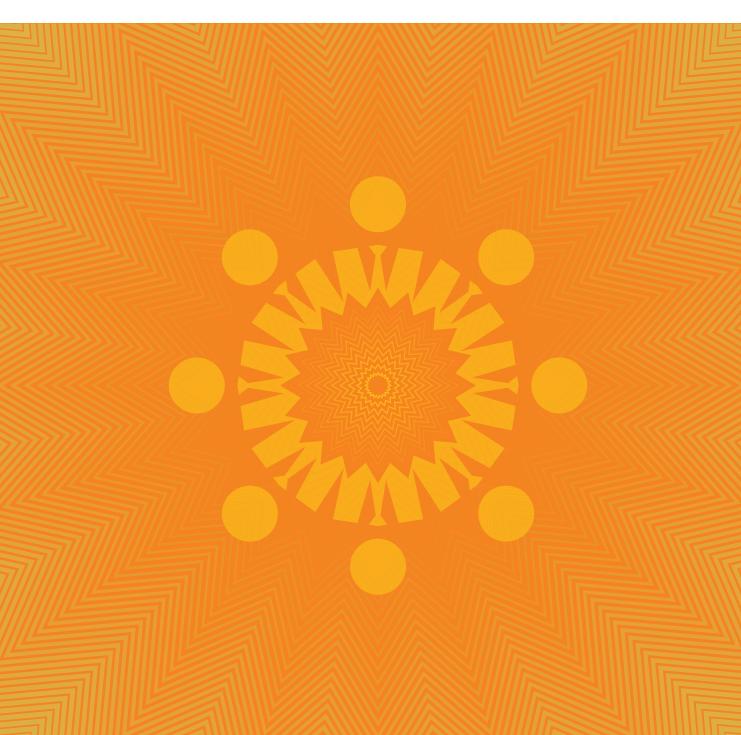






# **INDIA RE CEO SURVEY 2019**





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# Introduction

This is the fourth year of our CEO survey. 41 Indian and international players across the renewable energy value chain have participated in the survey.

**Project developers and financiers** 



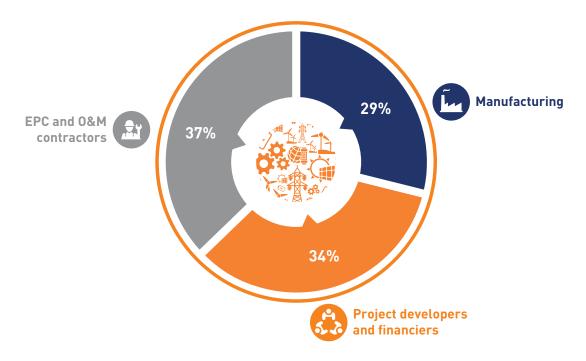
 For multinational companies, the survey has been completed by respective heads of Indian business units.





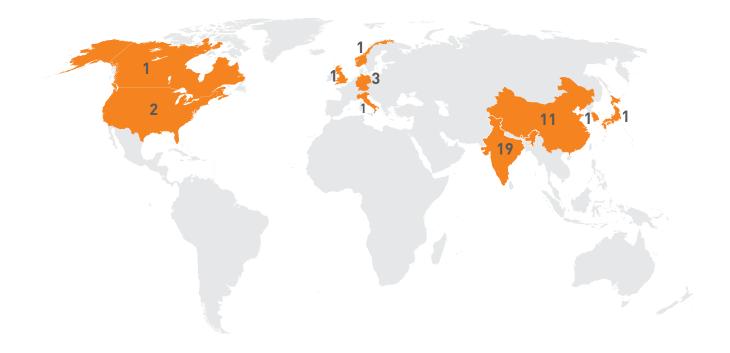
#### Respondents across the value chain

The survey participants are highly diversified by business profile.



#### **Response across the globe**

The survey has received an almost equal level of participation from international (54%) and Indian (46%) players.

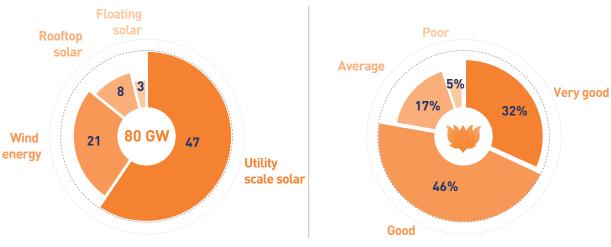


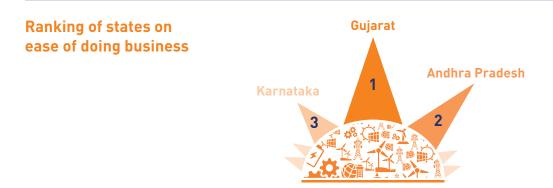


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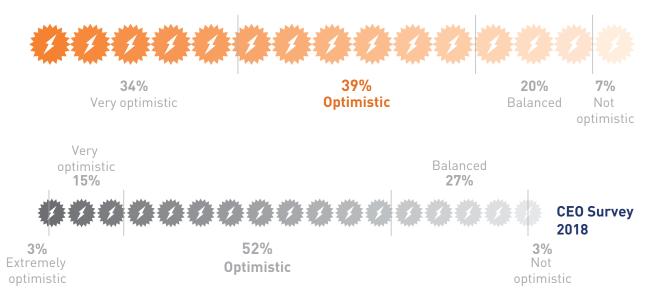




## **Industry outlook**

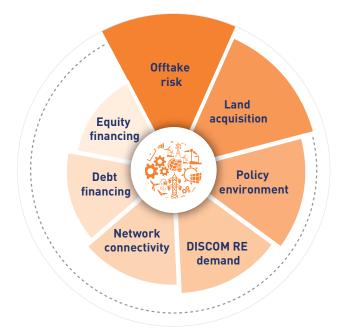
#### **Business sentiment**

The sentiment remains optimistic (3% more than last year) despite imposition of safeguard duty, GST and BIS implementation niggles, project delays, tender cancellations, falling Rupee and policy reversals. In fact, the ratio of "very optimistic" responses is up significantly over last year.



#### **Business challenges**

Offtake risk, land acquisition and uncertain policy environment are rated as the biggest concerns in the sector.

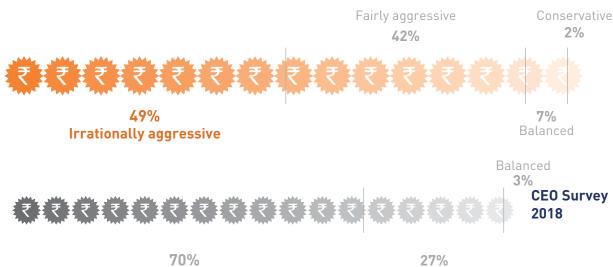






#### **Bidding environment**

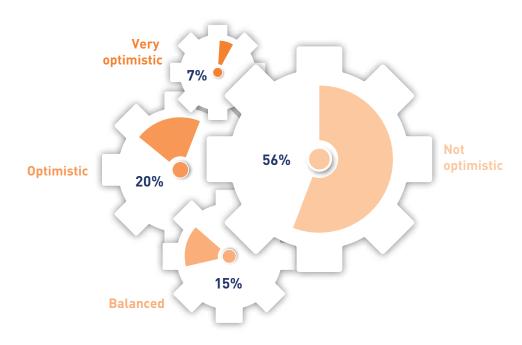
90% of the respondents, largely unchanged over last year, feel that the bidding environment in the sector is aggressive. But the ratio of "irrationally aggressive" responses is down from 70% to 49%.



/0% Irrationally aggressive **27%** Fairly aggressive

#### Manufacturing outlook

The industry is pessimistic about manufacturing prospects in India. This is understandable as all the government initiatives to promote domestic manufacturing – manufacturing linked tenders, CPSU scheme, KUSUM and safeguard duty – have failed to produce any positive results.



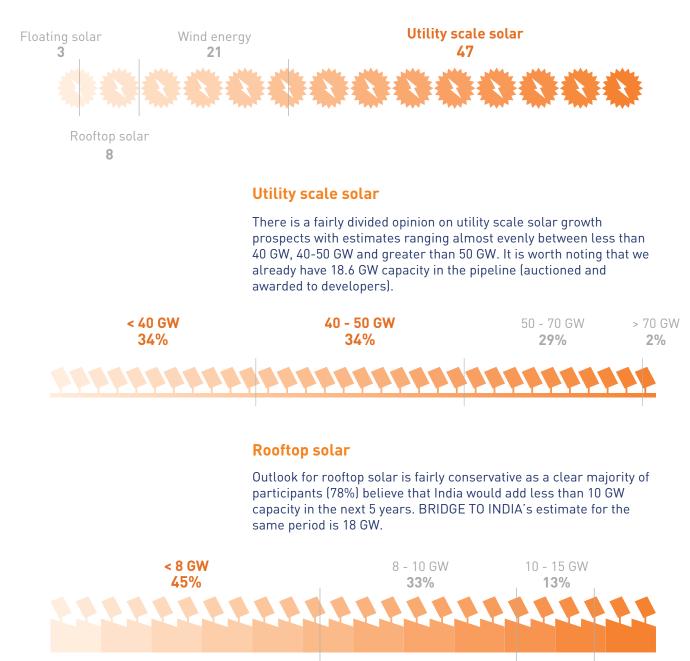




# Capacity addition in the next 5 years

#### Total RE

The industry expects total RE capacity addition of 80 GW in the next 5 years. The split between solar and wind power is 58:26.



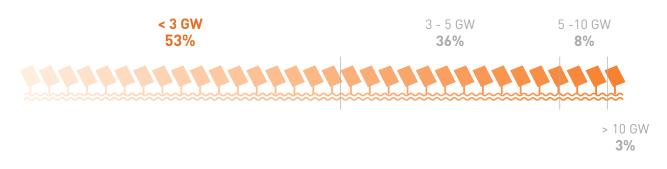
> 15 GW **10%** 





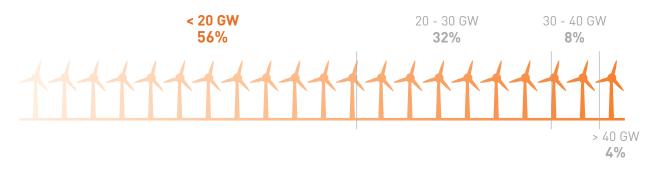
#### Floating solar

Majority opinion is for floating solar capacity addition of less than 3 GW over the next 5 years although a significant minority believe that this could go up to 5 GW.



#### Wind energy

Outlook for wind power capacity addition feels bleak with 56% respondents believing that India will add less than 20 GW in the next 5 years. Again, it is worth noting that we already have 11.4 GW capacity in the pipeline (auctioned and awarded to developers).



#### Grid scale storage

There is a very wide variety of responses on grid scale storage deployment. 48% of CEO's believe that it would be below 1 GW but 23% believe that deployment would go beyond 2 GW.



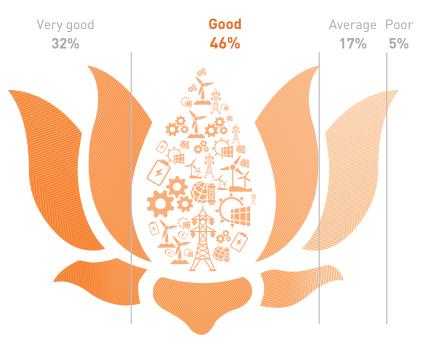




# **Policy environment**

#### Assessment of Modi government's 5 years

Despite the issues of policy instability, demonetisation, GST and safeguard duty, an overwhelming majority feels positively about performance of the Modi government in the RE sector.

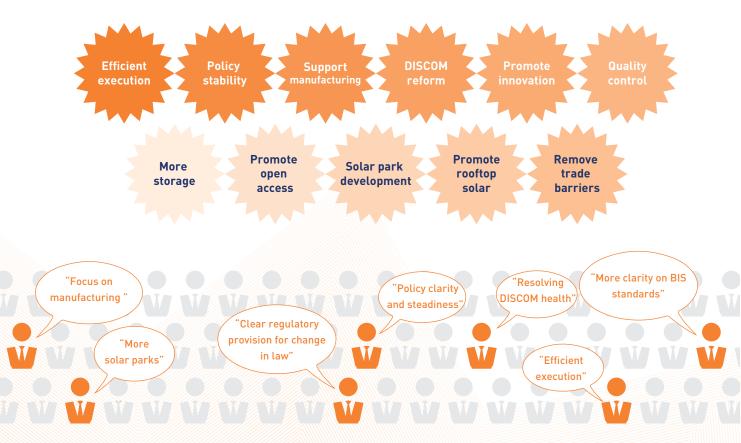


Key achievements of Modi government's 5 years





#### Expectations from the new government



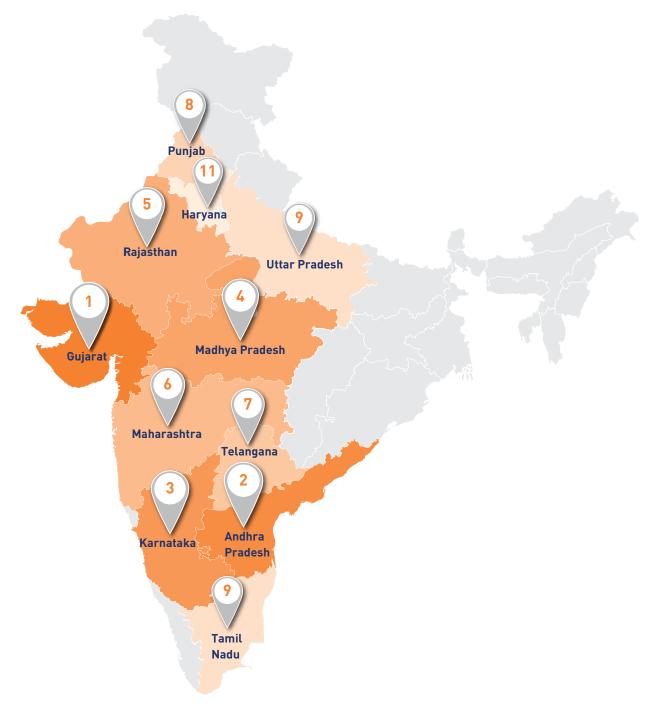
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#### **Ranking of states**

Gujarat, Andhra Pradesh and Karnataka are rated as the top three states on overall 'ease of doing business' - policy framework (clarity and visibility), land acquisition, transmission capacity, permits and approval process, payment track record and curtailment risk. Haryana, Uttar Pradesh and Tamil Nadu come at the bottom in the list of top 11 states.



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