



Renewable Energy Sector

Welcome

To

Punjab

PROGRESSIVE
PUNJAB
OPPORTUNITIES UNLIMITED

INVEST
PUNJAB

PUNJAB RANKED

1

in

“Ease of Setting up a Business”

by World Bank

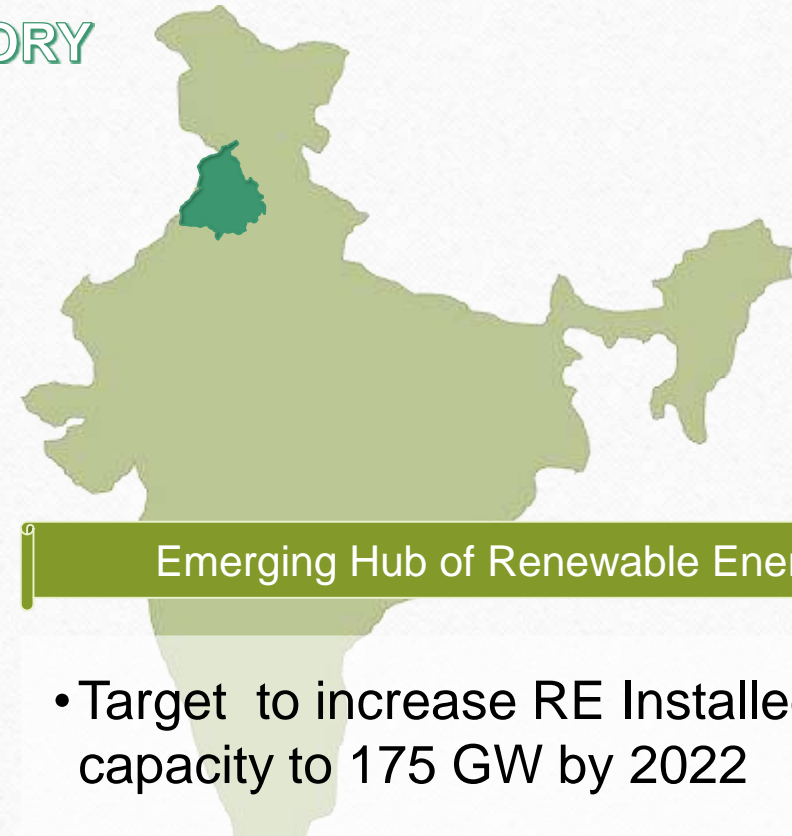
“Remarkably, Punjab is the only State in which the single window system allows application for all of the licenses studied in this assessment,”

Extract from the Assessment of State implementation of Business reforms report | September 2015

Renewable Energy Sector INDIA'S GROWTH STORY

5th largest power generation portfolio worldwide with a capacity of 245 GW

| Renewable Energy Potential | |
|----------------------------|----------------|
| RE Source | Potential (MW) |
| Wind | 102,800 |
| Small Hydro | 19,700 |
| Biomass | 22,500 |
| Solar | 100,000 |



Emerging Hub of Renewable Energy

- Target to increase RE Installed capacity to 175 GW by 2022
- 100 GW potential for the solar photovoltaic industry

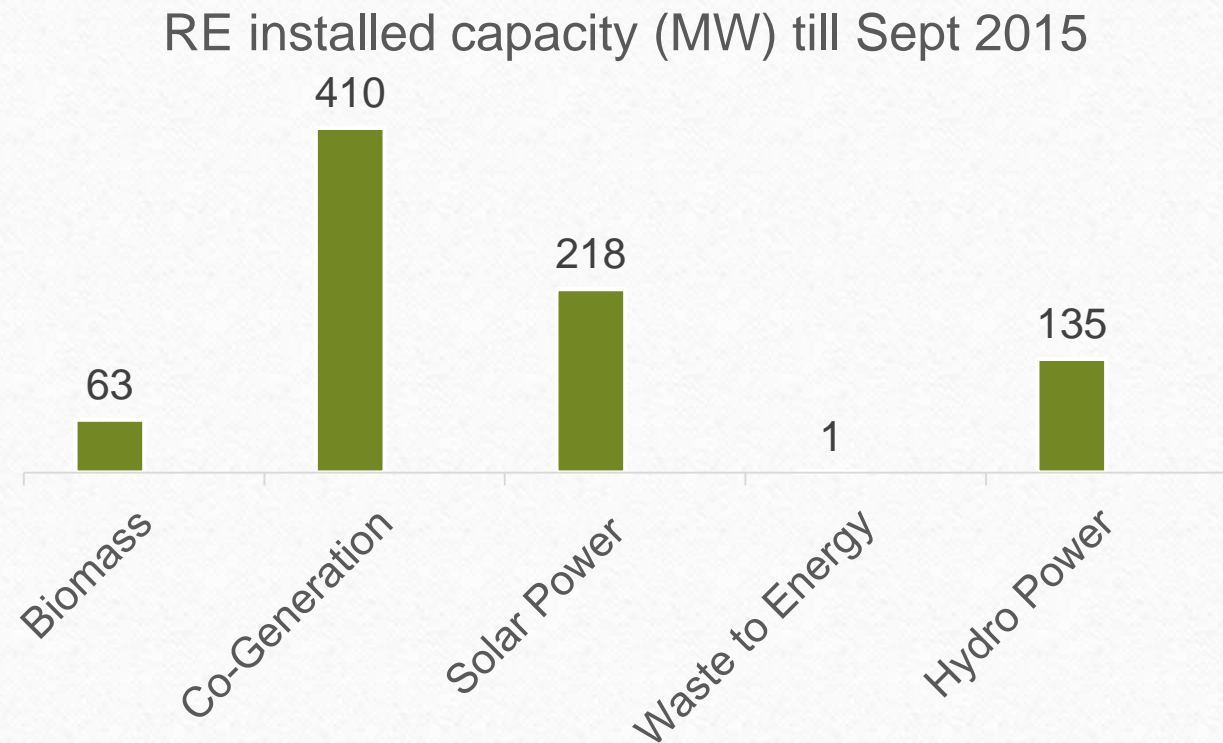
RE INSTALLED CAPACITY

827 MW

Installed RE power generation capacity

MISSION - 2022

5,400 MW



NATURAL ADVANTAGES

- ❖ 300 days of sunshine
- ❖ 4-7 kWh/m² of solar insolation levels
- ❖ Robust evacuation infrastructure
- ❖ 21 Mn. tonnes of agricultural residue per annum out of which 15 Mn. tonnes is rice straw
- ❖ India's largest biogas CNG project of capacity 10,000 cubic meter/day in Ludhiana
- ❖ 47 tonnes of bio-manure produced daily
- ❖ Extensive irrigation canal network provides potential SHP sites for the Small Hydro Power development
- ❖ 24 Mini Hydel projects with capacity of 28.20 MW commissioned by private developers

PROACTIVE GOVERNMENT

Purchase Power Agreement by Punjab State Power Corporation (PSPCL) of **25 years**

PSPCL clears all dues in 60 days | A+ rating

- Agricultural land allowed to be used (no CLU, EDU/or any other changes/fees for the same shall be payable)
- Solar PV power project is exempted from obtaining any NOC/ consent under pollution control laws.
- RE Source specific policies:
 - **Punjab solar rooftop policy 2014**
 - **Small hydro power programme**

POTENTIAL

VISION

2%

to

15%

By 2022

TOTAL

827 MW

Installed Capacity
(2015)

5,400 MW

Target Capacity
(2022)

Solar Power

218 MW

4,200 MW

Biomass Power (JPP)

63 MW

300 MW

Co-generation Power

410 MW

680 MW

Small/Mini Hydel Projects

135 MW

200 MW

Waste to Energy

1 MW

20 MW

Total Investment potential of Rs.39,200 Cr. (6 Bn. USD)

One Stop Office



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NOW



**FOR ALL
INVESTMENTS**

OUR Growth PARTNERS



Dare to Commit

Welspun Energy Ltd.



Thank You
WELCOME TO

