

A conceptual image showing a human hand holding a small, green, grassy globe. On the globe, there is a blue solar panel, two white wind turbines, and two green trees. The background is a bright blue sky with a large, glowing yellow sun and scattered white clouds. The text 'Renewable Energy Project's' is overlaid in large red font across the center of the image.

Renewable Energy Project's

Presentation by: Raj Overseas.

Message from the Partner


RAJ Overseas is an organization with a rich legacy of responsible stewardship. While, it is built on a strong foundation of time tested values, it continues to remain modern in both outlook and decisions & Keeping pace with the accelerated need for sustainability across the globe, we took large and rapid strides to make our operations more sustainable .



With immense pride, I would like to share with you that every single day we are moving one step closer to becoming completely energy efficient organization.

**Yours Sincerely,
Sumeet Nath**

Raj - Vision & Mission Towards Sustainability

A background image showing several white wind turbines in a green field under a blue sky with scattered white clouds. The turbines are of varying sizes, with the largest one in the foreground and others receding into the distance.

Our Mission: Our aim is to accelerate the adoption of renewable energy to conserve our environment and provide an environmentally friendly, *sustainable* and conflict-free *power* supply. *Sustainable* global economic development requires reliable, cost-effective and quickly scalable *energy* solutions, thereby reducing carbon footprint.

Our Vision:
To become an organization that will be first to use the sustainable energy and be carbon neutral in 2050.

Key Renewable Energy Sources



Solar Power

- Photovoltaic
- Solar-thermal



Wind Power

- Onshore
- Offshore

Solar Power Generation System

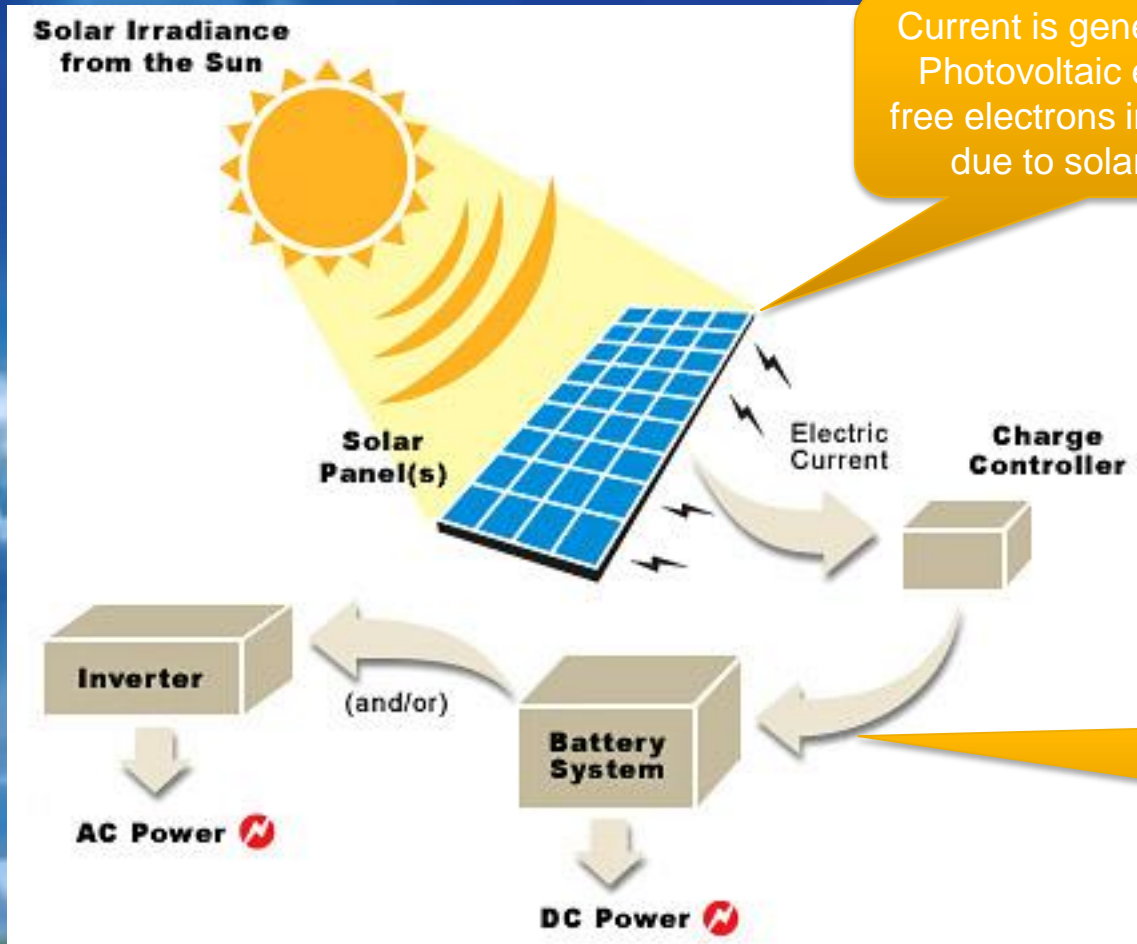
Solar Energy Is Generally Captured In Two Forms:-

- A) Photovoltaic cells for electricity generation
- B) Thermal panels for heating purposes

Raj Has Adopted the Photovoltaic Cells Technology



Solar Power - Photovoltaic



Current is generated through Photovoltaic effect -flow of free electrons in Silicon Panel due to solar irradiance

Direct current (DC) is generated which can be stored in a battery or converted to Alternating Current (AC)

Installation of Solar power panels of 160KWH in Raj Overseas, Plot no 300,Sector 29,Panipat

Installed By: Rays Power Expert Private Limited

Project completion date 10th March 2017


Resource savings achieved in 2017 138073 KWH

Remarks:-


Through the installation of the rooftop solar panel of 165 KWH, we are able to meet our 50% daily electricity requirement. As well as reduces 50% carbon emission and promote the usage of clean energy.

Resource saved
in an year-
138073KWH

Installation of Solar Power Panels of 100KWH in Raj Overseas, Plot no 150, Sector 25, Panipat

Installed By	Rays Power Expert Private Limited
Project completion date	13 th April 2017
Resource savings achieved	89898 KWH
 <div>Resource saved in an year- 89898KWH</div>	<p>Remarks:-</p> <p>Raj Overseas has implemented the Solar power panels of 100KWH in roof top project which reduces the purchase energy usage upto 20% and reduces the carbon emission 20% and promote the usage of clean energy.</p>

Installation of Solar power panels of 1MW in Village –Sarah Kisnayat, Tehsil-Kolayat, District-Bikaner

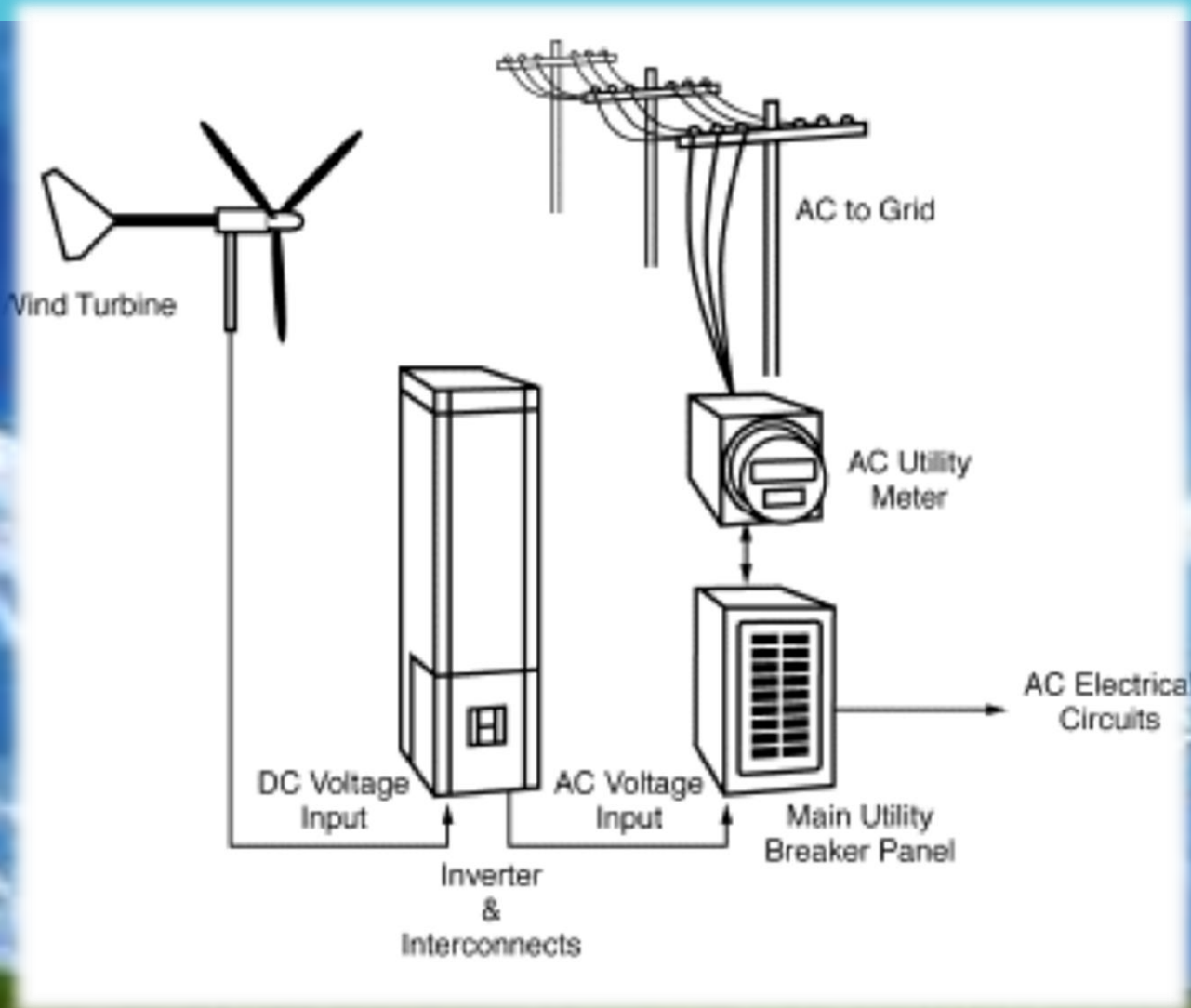
Installed By	Rays Power Expert Private Limited
Project completion date	31 th March 2013
Resource savings achieved	110,000KWH/Month
	<p>Remarks:-</p> <p>Raj Overseas has implemented the Solar power panels of 1 MW and signed a MOU of power purchase with RVNPL. The plant was installed by Rays Power Experts Pvt. Limited, Who are a Delhi.</p>

**Resource saved in
an year-
110000KWH/Month**

Installation of Solar Power Panels of 1MW in Village- Sarah Bhiyanimani, Tehsil-Kolayat, Distt.-Bikaner

Installed By	Rays Power Expert Private Limited
Project completion date	01 th Oct 2013
Resource savings achieved	110,000KWH/Month
 <div>Resource saved in an year- 110000KWH/Month</div>	Remarks:- Raj Overseas has implemented the Solar power panels of 1 MW as a power purchase agreement with RVNPL and it is installed by Rays Power Experts Pvt. Limited, Delhi and has given operation and maintenance contract with them

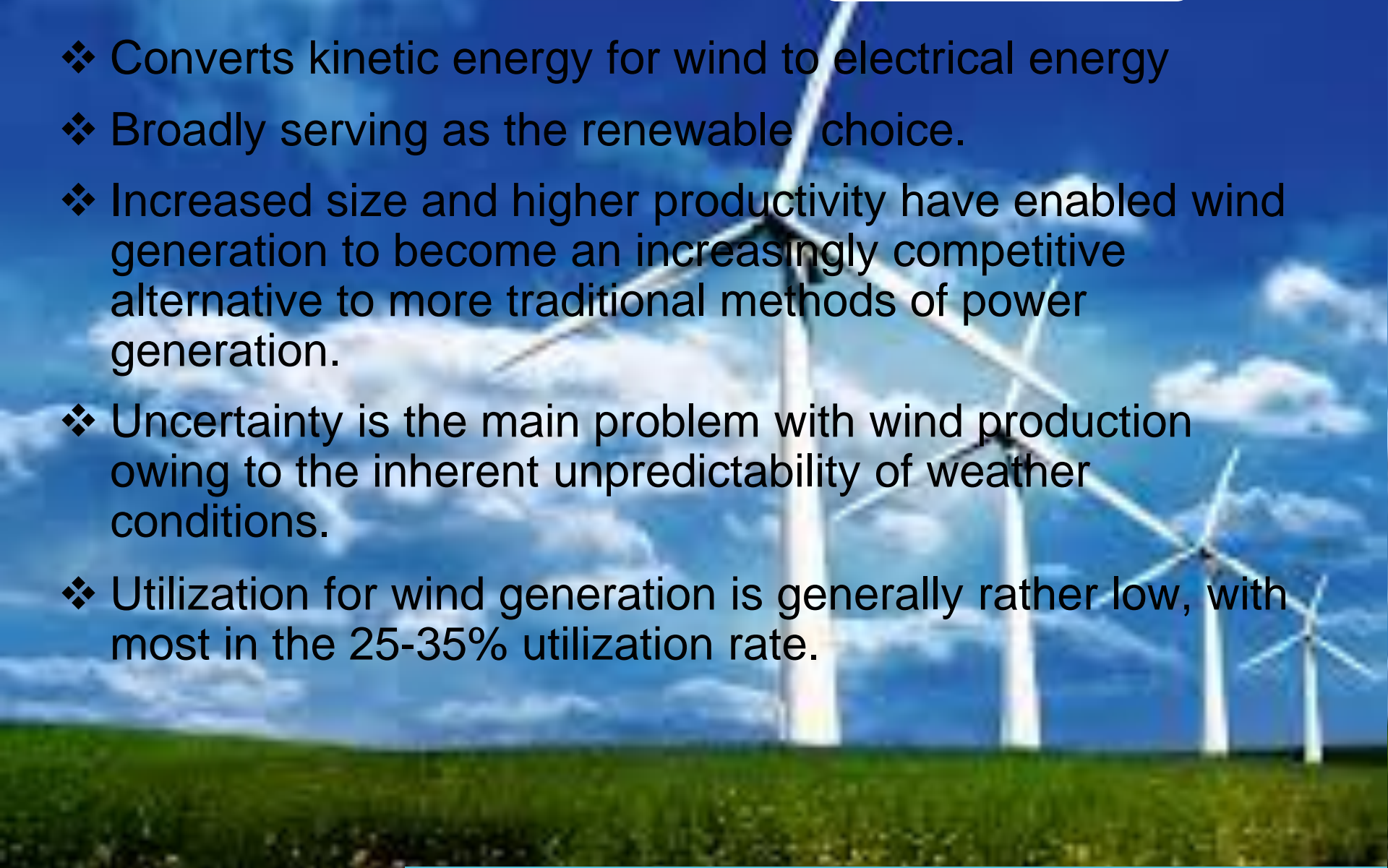
Wind Power



Wind Power:-



- ❖ Converts kinetic energy for wind to electrical energy
- ❖ Broadly serving as the renewable choice.
- ❖ Increased size and higher productivity have enabled wind generation to become an increasingly competitive alternative to more traditional methods of power generation.
- ❖ Uncertainty is the main problem with wind production owing to the inherent unpredictability of weather conditions.
- ❖ Utilization for wind generation is generally rather low, with most in the 25-35% utilization rate.



Installation of Wind Power Plant of 1.25 MW in Dhule / Nandurbar Maharashtra

Installed By	Suzlon Energy Limited
Project completion date	13 th Aug 2006
Resource savings achieved	125000 KWH/Month
	<p>Remarks:-</p> <p>Raj Overseas has installed the Wind Power plant of 1.25MW in Maharashtra and signed the power purchase agreement with Maharashtra State Electricity Distribution Company Ltd.</p>



Solar Power

- Photovoltaic

Renewable Energy(Solar Energy) able to give the Light in the Whole area of Village –Sarah Kisnayat,Tehsil-Kolayat, District Bikaner and that is sufficient to meet the energy demand of approx.1000 Household (Families) and providing sustainable and clean energy since last half decade.

Renewable Energy(Solar Energy) able to give the Light in the Whole area of Village –Sarah Bhiyanimani,Tehsil-Kolayat, District Bikaner and that is sufficient to meet the energy demand of approx.1000 Household(Families) and gives sustainable and clean energy.

Renewable Energy(Wind Energy) able to give to light the area of Maharashtra, Dhule by the electricity generation by the 1.25MW Wind Energy plant and that is sufficient to meet the energy demand of approx.1500 Household(Families) and gives sustainable and clean energy.



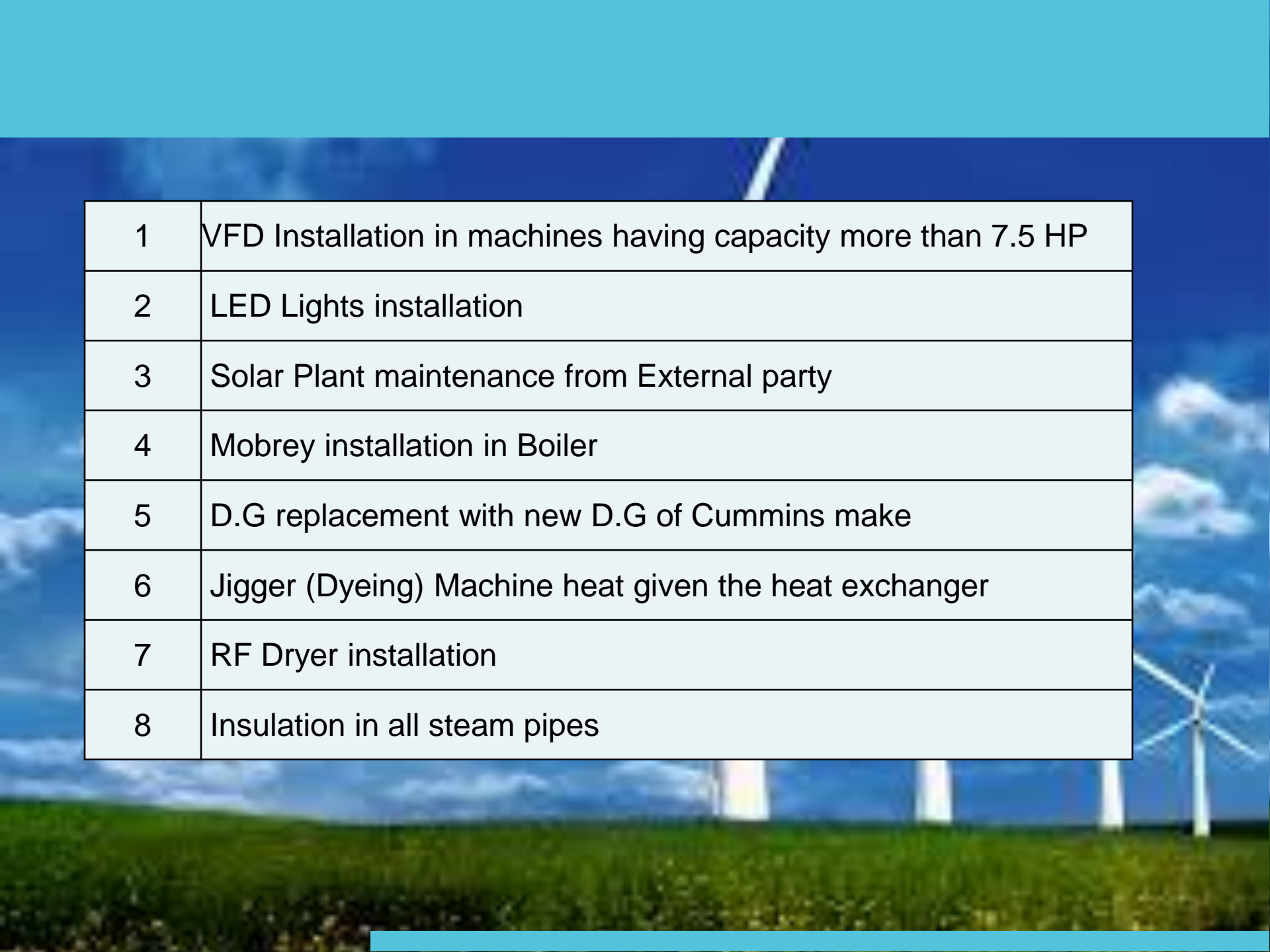
Wind Power

- Onshore
- Offshore

Renewable Energy Generated by the Raj Group



**Total Renewable
energy(Solar +
Wind Energy)
generated through
5 plants in the Year
-2017 is 3330MW**



1	VFD Installation in machines having capacity more than 7.5 HP
2	LED Lights installation
3	Solar Plant maintenance from External party
4	Mobrey installation in Boiler
5	D.G replacement with new D.G of Cummins make
6	Jigger (Dyeing) Machine heat given the heat exchanger
7	RF Dryer installation
8	Insulation in all steam pipes