



# Ramagiri Renewable Energy Limited - Teaser

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## Acquisition Proposition

*July 2021*



LSI FINANCIAL SERVICES

## Company Overview

- Ramagiri Renewable Energy Limited ('RREL' or 'The Company') is 100% subsidiary of IL&FS Energy Development Company Limited. The Company owns a 6.5 MW Wind Farm at Ramagiri, Anantapur, Andhra Pradesh.
- The name of the Company was changed to Ramagiri Renewable Energy Limited from IL&FS Wind Farms Limited in August-2016.
- The Company has minimal operations since FY19 and the loan outstanding including interest was Rs. ~17 cr. as on 31<sup>st</sup> March, 2021.
- Registered Office: IL&FS Financial Centre, Plot No C-22, G Block, Bandra Kurla Complex, Mumbai-400051.

## Project Overview

- The Company owns and operates a 6.5 MW Wind Farm Projects at Ramagiri, District Anantapur, Andhra Pradesh.
- Total 26 nos. of Wind turbines have been installed with a capacity of 250KW each at Ramagiri.
- Approximate Project Cost: Rs. 30 cr.
- PPA Agreement:
  - PPA with Andhra Pradesh Southern Power Distribution Company Limited (APSPDCL) @Rs.2.23 per unit
  - Duration: 7th November, 1995 - 31st March, 2019
  - APSPDCL disconnected line from grid on April 10, 2019. Since then, the Wind Electric Generators (WEG) are not operational
- O&M Agreement:
  - O&M Agreement with RPP Windtech Services (the contract was in force only till May 2020 as the company decided to discontinue the plant operations)
  - Duration: RPP Windtech Services was the O&M Contractor since commissioning till May 2020 (Till 2009 as subcontractor to BHEL, subsequently directly engaged by RREL)
- Land: Total 169.89 acres of government land is alienated by the Government of Andhra Pradesh to the Company for setting up of Renewable Energy Projects.

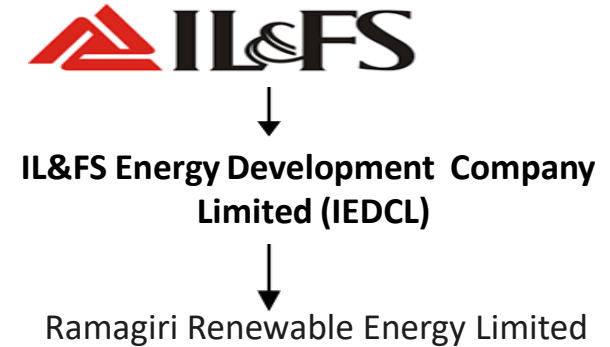
## Proposition

- IEDCL seeks to divest:
  - a) its 100% stake in RREL and
  - b) two fixed assets owned by IEDCL and situated at RREL Site

## Key Investment Consideration

- RREL has a contiguous land of 169.89 acres.
- IEDCL (the holding company) has installed a wind mast data at 100mt / 80mt for a period of > 4 years, which makes the site potential for Hybrid Renewable Energy project.
- IEDCL had undertaken a study for estimating potential of the site for Hybrid Renewable Energy project and the site was found suitable for 41 MW (16 MW Wind + 25 MW Solar) Hybrid capacity (report is available).

## Corporate Structure



## Machinery Details

Sl. No.	Name of the Machine	Manufacturer
1	Gear	Flender
2	Generator	Brook
3	Hydraulic System	BHEL – NORDEX
4	Hydraulic Motor	Brook
5	Hydraulic Motor - II	RKS / Rothe Erde
6	Yawing System	Rossi
7	Breaking System	BHEL-NORDEX

## Project Location

### Ramagiri, Anantapur, Andhra Pradesh

- 130 KM from National Highway 48
- 160 KM from Bengaluru International Airport
- 43 KM from Chennai Port
- 60 KM from Matania Anantapur railway station

## Wind Mast at RREL Site:

- A 100-m lattice tower was installed by IEDCL for RREL wind farm at Ramagiri site, to gather Meteorological data
- The Wind Mast Equipment consists of a 100-meter lattice with a 300 mm tower diameter and face width.
- Instruments mounted on the Wind Mast Equipment includes two boom-mounted anemometers each at 100m and 80m, one boom-mounted anemometer at 50m, two boom-mounted vanes at 98m and 48m and temperature & pressure sensors at 5m and 3m respectively.
- All anemometers are mounted on booms approximately 7 mast diameters long. The wind vanes are mounted on booms located 2 meters below an anemometer and along the north, which is a non-prevailing direction (90 degree offset with the prevailing directions West and East).

## Solar Irradiation Measurement Equipment (SIME) mounted on the Wind Mast

A SIME is also mounted on the Wind Mast at the Ramagiri Site with the objective to measure solar data to ascertain the solar potential at Ramagiri site and to analyse the Wind-Solar PV resource available at the site for prediction of long-term energy yield for conceptualization of the hybrid project/park. The SIME consists of the following:

- SR-11-Husk Flux Pyranometer
- Levelling plate for Pyranometer
- NRG # 40C Anemometer
- NRG # 200 P Wind Direction Vane
- Boom for Anemometer and Wind Vane
- SCM Card Pyranometer
- SCM Card Wind Vane

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**Name: Runu Palit**

LSI Financial Services Pvt Limited

Phone: +91 33 2486 3815

E-Mail: rpalit@lsimails.com