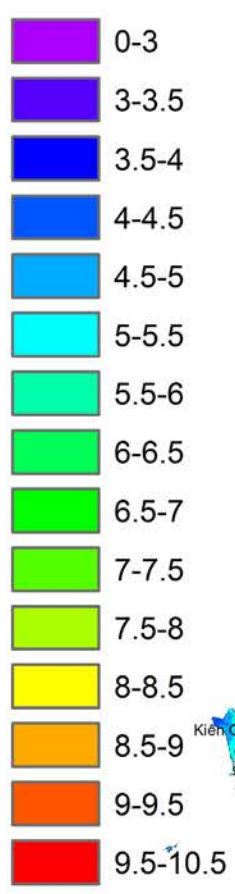
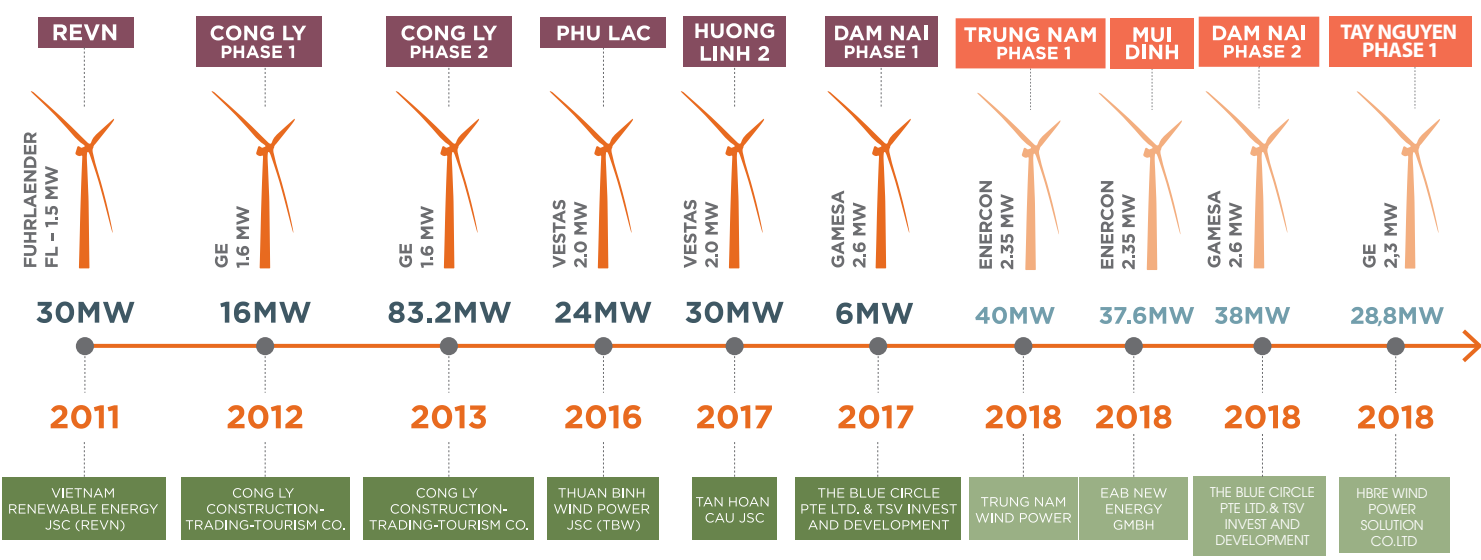


**Wind speed at 100m height**  
m/s



**WIND PROJECTS DATA**



VIETNAM RENEWABLE ENERGY JSC (REVN)	CONG LY CONSTRUCTION-TRADING-TOURISM CO.	CONG LY CONSTRUCTION-TRADING-TOURISM CO.	THUAN BINH WIND POWER JSC (TBW)	TAN HOAN CAU JSC	THE BLUE CIRCLE PTE LTD. & TSV INVEST AND DEVELOPMENT	TRUNG NAM WIND POWER	EAB NEW ENERGY GMBH	THE BLUE CIRCLE PTE LTD. & TSV INVEST AND DEVELOPMENT	HBRE WIND POWER SOLUTION CO.LTD
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## PHASE PROJECT PREPARATION

# A

### 9 STEPS

### 7 AGREEMENTS

1. Business registration **DPI** → Business registration certificate
2. Site selection and study of the site: 02 cases:
  - Site is already included in the (Wind) Power Development Plan ((W)PDP → Request for Investment License. To be continued with Nr. 8 **DOIT/DPI/PPC** → Decision on Investment Certificate
  - Site is not yet included in the (Wind) Power Development Plan → Request for the site study **DOIT/PPC** → Acceptance letter on the study of project site
3. Wind measurement (including land rent for the wind measurement mast with the land lord/ with the commune)
4. Pre-feasibility study
5. Request for project inclusion into (W)PDP **DOIT/MOIT** → Decision on inclusion into (W)PDP
6. Application for Decision on Investment Certificate **DPI/ MPI** → Decision on Investment Certificate
7. Request for the Investment License (only foreign company) **DPI/ MPI** → Investment License
8. Escrow account **Prov. Treasury/ DPI** → Escrow account
9. Request for Principal SPPA **EVN/ EPTC** → Principal SPPA

## PHASE PROJECT DEVELOPMENT

# B

### 9 STEPS

### 11 AGREEMENTS/ LICENSES

1. Conduct the feasibility study (F/S study): including the Project Basic Design and requests for agreement on grid connection, metering, Scada/EMS (DMS), protection system, SPPA **EVN/Ax/EPTC**
  1. Agreements on grid connection
  2. Agreement on metering
  3. Agreement on scada/ dms
  4. Agreement on protection system
  5. Agreement of fire protection
  6. SPPA
2. Request for FS approval and appraisal **MOIT/DOIT/DONRE/DOC/DARD** → 7. Acceptance letter of FS study
3. Conduct the report on ESIA (parallel with the Project Basic Design)
4. Request for appraisal and approval of ESIA study **DONRE, PPC** → 8. Acceptance and appraisal of ESIA study
5. Conduct the Project Technical Design
6. Request for appraisal and approval of the project technical design **MOIT/DOIT** → 9. Appraisal of the technical design and the total estimation cost
7. Land compensation and clearance **PC, DONRE, land owners** → 10. Land Use Right Certificate
8. Request for Land Use Right Certificate **PPC, DONRE** → 10. Land Use Right Certificate
9. Request for Construction Permit **DOC** → 11. Construction Permit

## DEVELOPMENT OF WIND ENERGY PROJECT

### IN VIETNAM

## PHASE C PROJECT IMPLEMENTATION/ CONSTRUCTION

### 2 STEPS

### 0 AGREEMENTS

1. Conduct the Detailed Design
2. Construction (including mines clearance)

## PHASE D PROJECT OPERATION AND MAINTENANCE

### 5 STEPS

### 2 LICENSES

1. Application for Operation Certificate **A0/Ax** → 1. Operation Certificate
2. Trial operation for 15 days **MOIT/DOIT/ERAV** → 2. Electricity Generation License
3. Commissioning/ Testing **MOIT/DOIT/ERAV** → 2. Electricity Generation License
4. Report on commission and application for Electricity Generation License **ERAV** → 2. Electricity Generation License
5. Operation & maintenance **A0/Ax**

## PHASE E PROJECT DECOMMISSION

### 1 STEPS

### 0 AGREEMENTS

For more information, please visit our website [www.gizenergy.org.vn](http://www.gizenergy.org.vn)

## WIND ENERGY TARGET

### IN VIET NAM



Ministry of Industry and Trade



DEUTSCHE ZUSAMMENARBEIT

Implemented by

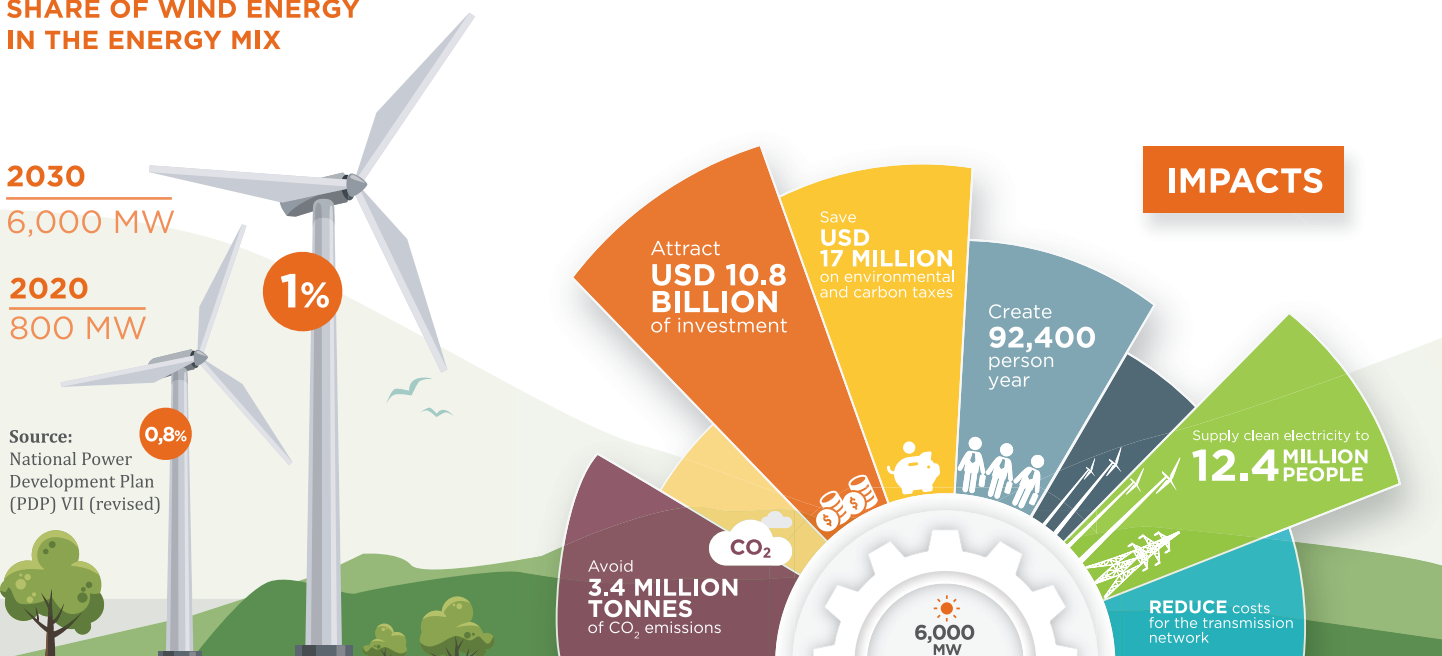
**giz** Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

## SHARE OF WIND ENERGY IN THE ENERGY MIX

**2030**  
6,000 MW

**2020**  
800 MW

Source: National Power Development Plan (PDP) VII (revised)



## IMPACTS

## LEGAL FRAMEWORK FOR WIND ENERGY



### DOCUMENTS

Decision 37/2011/QĐ-TTg on support mechanism for wind power projects

Circular 06/2013/TT-BCT on the content, process and procedures for preparation, validation and approval of wind power development planning

Decision 428/2016/QĐ-TTg on the revised National Power Development Plan

Circular 25/2016/TT-BCT on the electricity transmission system

2011

2012

2013

2014

2015

2016

2018

### FIGURES

- FIT, to be adjusted according to VND/USD exchange rate and applied to the projects whose CoD is before November 1, 2021:
  - 8.5 US¢/kWh for onshore wind power projects
  - 9.8 US¢/kWh for offshore wind power projects
- SPPA: 20 years
- Imported tax: 0
- Corporate tax: 0 for the first 4 years and 50% for the next 9 years

Circular 32/2012/TT-BCT on implementation of wind power projects and the SPPA

Circular 96/2012/TT-BCT on guiding the financial mechanism to support electricity price for grid connected wind power projects

Decision 2068/2015/QĐ-TTg on the Vietnam's RE Development Strategy up to 2030 with vision to 2050

Decision 39/2018/QĐ-TTg on amending and supplementing a number of articles of Decision 37/2011/QĐ-TTg on support mechanism to develop wind power projects in Viet Nam