









OUR TEAM



what we do?

The British Chamber of Commerce Vietnam (BritCham Vietnam) was officially established in Ho Chi Minh in 1998 with its Ha Noi branch founded in 2007. BritCham Vietnam aims to support and develop Vietnam-UK business links while raising the profile of Vietnam in the British business community and vice versa. As an accredited British Chamber, BritCham Vietnam in association with the Department for International Trade (DIT), is committed to promote strong business links between Vietnam and the UK.



BUSINESS MATCHING:

Partner search and one-to-one meetings with potential clients, agents/distributors or outsourcing partners



BUSINESS DEVELOPMENT REPRESENTATIVE:

Provide a professional business development representative to act locally on your behalf, strengthen existing engagements with the Vietnam market on a long term basis and develop further business relationships within the market.



INWARD INVESTMENT FACILITATION:

Business Registration, Site Selection, Factory/Office Set-up & Operations Support., HR & Financial Management



BUSINESS SERVICES EVENTS:

Organise trade missions, product launches and seminars/workshops



MARKET STUDIES:

Sector reports, competitor analysis and local prospect background research



EXPORT OPPORTUNITIES:

Explore your export opportunities to Vietnam through DIT's portal opportunities.export.great.gov.uk



WEBINARS:

Online dialogues with experts within industries to forestall new trends in doing business in Vietnam



BACK-OFFICE SUPPORTS

Due Diligence, Marketing Materials & Company Documents Translation, Vietnam Entry Services

CONTACT US

BritCham Vietnam

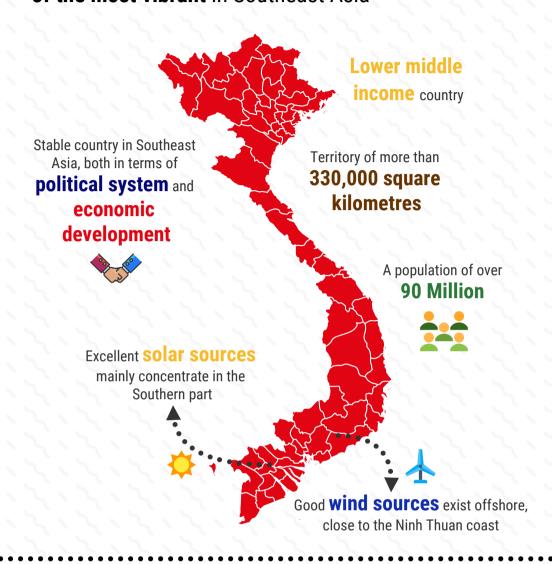
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OVERVIEW

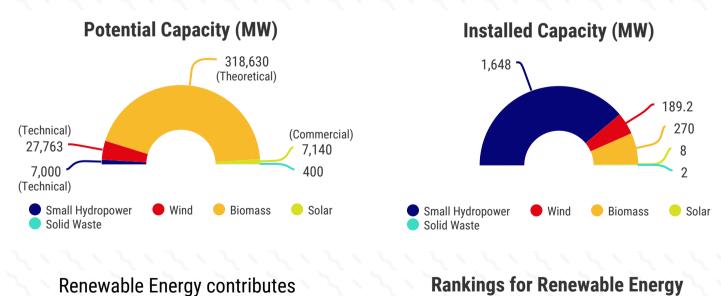
OVERALL SECTOR CONTEXT



Renewable Energy Sector in Vietnam is one of the most vibrant in Southeast Asia



RENEWABLE ENERGY VIETNAM'S POTENTIAL



over 3 Billion kWh per month

10%
of Capacity of National Commercial

Output

generation of Vietnam

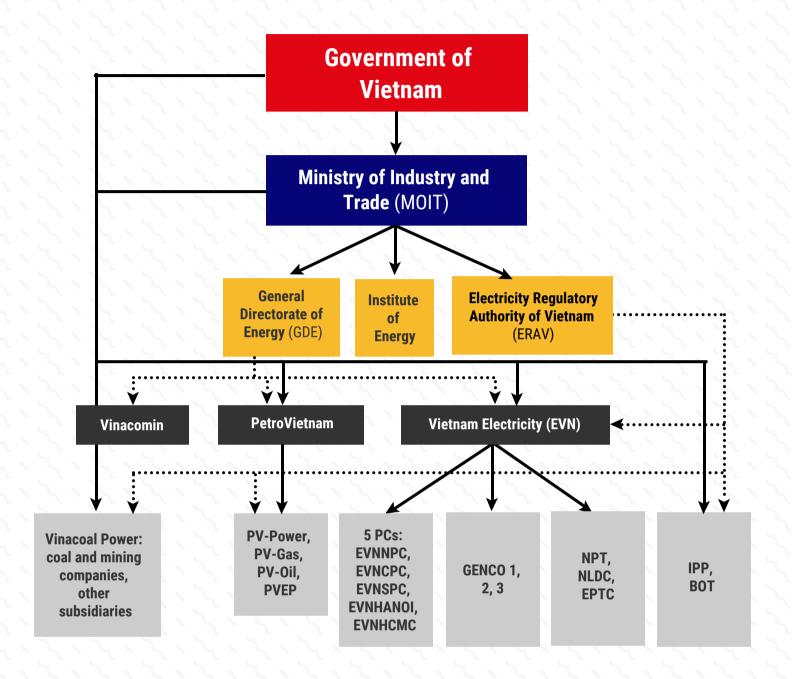




OVERVIEW

ORGANISATION OF VIETNAM ENERGY SECTOR





PetroVietnam Power (PV-Power)
PetroVietnam Gas Corporation (PV-Gas)
PetroVietnam Oil Corporation (PV-Oil)
PetroVietnam Exploration Production Corporation (PVEP)

Power Corporations (PCs)
Northern Power Corporation (EVNNPC)
Central Power Corporation (EVNCPC)
Southern Power Corporation (EVNSPC)
Ha Noi Power Corporation (EVNHANOI)
Ho Chi Minh City Power Corporation (EVNHCMC)

Power Generation Corporation (GENCO)

National Power Transmission Corporation (NPT)
National Load Dispatch Center (NLDC)
Electric Power Trading Company (EPTC)

Independent Power Producers (IPP)
Build-Operate-Transfer (BOT)

VIETNAMESE LEGISLATION ON RENEWABLE ENERGY



The Government has also issued **many mechanisms and policies** to encourage the development of Renewable Energy sources, which have also created conditions for thousands of domestic and foreign investors and enterprises to engage in the market.



ON WIND ENERGY

Decision No. 37/2011/QD-TTg

(issued on 29 June 2011, and effective as of 20 August 2011)

Decision No. 39/2018/QD-TTg

(issued on 10 September 2018, and effective as of 1 November 2018)

Circular No. 02/2019/TT-BCT

(issued on 15 January 2019, and effective as of 28 February 2019)

ON SOLAR POWER

Decision No. 13/2020/QD-TTg

(issued on 6 April 2020, and effective as of 22 May 2020)





ON SOLID-WASTE POWER

Decision No. 31/2014/QD-TTg

(issued on 5 May 2014, and effective as of 20 June 2014)

Circular No. 32/2015/TT-BCT

(issued on 8 October 2015, and effective as of 7 December 2015)

ON BIOMASS ENERGY

Decision No. 24/2014/QD-TTq

(issued on 24 March 2014, and effective as of 10 May 2014

Decision No. 08/2020/QD-TTg

(issued on 5 March 2020, and effective as of 25 April 2020

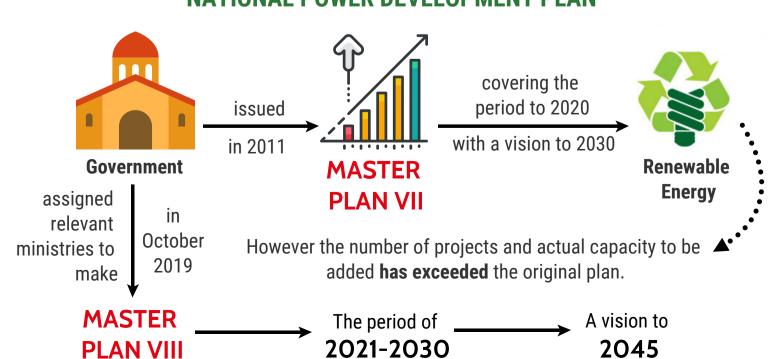
Circular No. 44/2015/TT-BCT

(issued on 9 December 2015, and effective as of 25 January 2016

Circular No. 54/2018/TT-BCT (issued on 25 December 2018, and effective as of 18 February 2019)



NATIONAL POWER DEVELOPMENT PLAN





VIETNAM CURRENT STATUS

SOLAR POWER



have already put into operation



Rooftop solar power over 31,570
projects
a total capacity of
657.88
MW



The grid-connected project is about 4,500

According to data from Vietnam Electricity (EVN), **5,039MW** of

solar power & wind power was generated for the national grid.

MEDIUM & LARGE HYDROPOWER

about **20,000**

MW

capacity potential have been almost fully utilised



SMALL HYDROPOWER

a total potential of

6700

MW



more than **3,000**

have already put into operation

BIOMASS POWER



a total technical potential of **7000**

SOLID WASTE POWER

a total technical potential of 1,500 MW



300 MW are utilised

RENEWABLE ENERGY PROJECTS

Some of **the largest projects** that have become operational or are under construction:



SOLAR POWER PROJECTS:



TRUNG NAM - THUAN NAM SOLAR FARM

Location: Central province of Ninh Thuan

Capacity: 450 MW

Investment: 12 trillion dong (\$517.75

million)

Status: Construction which started in March is scheduled to be completed by October.



PHU MY SOLAR FARM

Location: Central province of Binh Dinh

Capacity: 330 MW

Investment: 6.2 trillion dong (\$267.51

million)

Status: Under construction. Scheduled

for completion by end-2020





HOA HOI SOLAR FARM

Location: Central province of Phu Yen

Capacity: 257 MW

Investment: 4.99 trillion dong (\$215.29

million)

Status: In operation since June 2019





DAU TIENG PV SOLAR POWER

Location: Southern province of Tay

Ninh

Capacity: 410 MW

Investment: 11 trillion dong (\$474.59

million)

Status: In operation since June 2019





BIM SOLAR FARM

Location: Ninh Thuan province

Capacity: 330 MW

Investment: 7 trillion dong (\$302.01

million)

Status: In operation since April 2019



SAO MAI SOLAR FARM

Location: Southern province of An Giang

Capacity: 210 MW

Investment: 6 trillion dong (\$258.88

million)

Status: The first phase of 104 MW started power generation in July 2019. Construction of the second 106 MW phase began in September.

RENEWABLE ENERGY PROJECTS

WIND POWER PROJECTS:





TRUNG NAM WIND FARM (ONSHORE)

Location: Ninh Thuan province

Capacity: 151.95 MW

Investment: 4 trillion dong (\$172.58

million)

Status: Construction started in August 2016 and is scheduled to be completed by the fourth quarter this year.



HOA BINH WIND FARM (OFFSHORE)

Location: Southern province of Bac Lieu

Capacity: 100 MW

Investment: 5.22 trillion dong (\$225.22

million)

Status: Construction started in July and scheduled to be completed by November 2021.



QUOC VINH SOC TRANG WIND FARM (ONSHORE)

Location: Southern province of Soc Trang

Capacity: 129 MW

Investment: 5.32 trillion dong (\$229.54

million)

Status: Construction of the plant began in March. Its first phase of 30 MW is scheduled to start power generation in 2021.



BAC LIEU WIND FARM (OFFSHORE)

Location: Bac Lieu province

Capacity: 99.2 MW

Investment: 5 trillion dong (\$215.73

million)

Status: The first phase of the project started power generation in 2013 and the entire project from 2016.



HIEP THANH WIND FARM (ONSHORE)

Location: Southern province of Tra Vinh

Capacity: 78 MW

Investment: 3.37 trillion dong (\$145.40 million)

Status: Construction started in March. Its first turbine will start power generation early 2021 and the entire project by mid-2021.

FOREIGN INVESTMENT

 The Vietnamese Renewable Energy industry is appealing to foreign investors as demand for electricity is high.



 Moreover, Vietnam has adopted flexible policies for Renewable Energy in recent years, particularly paying attention to the solar and wind energy projects in the country.

FOREIGN INVESTMENT FORM

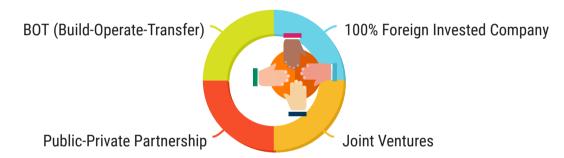


NO Application Form



Foreign investors can **own**UP TO 100% of equity in power projects

Foreign investors can trade in different types:



POWER PURCHASING AGREEMENT

The Power Purchasing Agreement (PPA) is **UNBANKABLE** due to following reasons:



Fixed terms



Non negotiable



Fixed FiT for 20 YEARS



CANNOT take land assets as securities



No international arbitration



No stabilization clause



Risk of connecting the plant to grid



Credit **worthiness** of Offtaker

FOREIGN INVESTMENT

PROJECT INVESTMENT PROCESS



Pre-Investment Stage



Conduct site study



Gather date and measurements



Prepare prefeasibility study



Apply for inconclusion of the project in the PPA (if it has not been included)*

*usually projects over **50MW** must be approved by the Prime Minister and those under that threshold by the MOIT

Investment and Enterprise Registration



Obtain investment decision (normally from provincial People's Committee)



Investment Registration Certificate issued for project

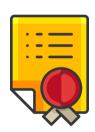


Establish project company by obtaining Enterprise Registration Certificate



Make deposit (from 1% to 3% of project's required capital investmet)

Sign Relevant Agreements



- EVN's agreement in principle to purchase power
- Grid connection agreement
- · Metering agreement
- SCADA/EMS (or SCADA/DMS) agreement
- Protective relay agreement
- Power Purchase Agreement with EVN

Land Lease



Negotiate and obtain policy agreement for project location



Land clearance (and rellocation of/ compensation for existing land users) are undertaken



Sign land lease agreement – the lease term cannot exceed the project term and is likely to be around 20 years



Obtain Land Use Right Certificate

Construction



- Prepare feasibility study and designs
- Evaluate basic design/ feasibility study
- Evaluate technical design



- Obtain fire prevention and firefighting approval
- Conduct environmental impact assessment
- Obtain construction permit



- Carry out construction works
- Undertake commissioning & acceptance

Operation



Obtain electricity generation licence (for the power plant)



Obtain operating licence (for employees holding certain operating positions)

FOREIGN INVESTMENT

FEED-IN TARIFF RATES



FEED-IN TARIFF

20-year

fixed FiT

one of **the lowest** in the world

SOLAR POWER 7.69 US cents/kWh for floating solar energy projects

7.09 US cents/kWh

for **ground-mounted** solar energy projects

8.38 US cents/kWh

for rooftop solar energy projects

WIND POWER

(COD* before November 1, 2021) 9.8 US cents/kWh for OFFSHORE wind projects

8.5 US cents/kWh

for **ONSHORE** wind projects

SMALL HYDROPOWER

5 US cents/kWh

for subject to avoid costs regime

BIOMASS

7.03 US cents/kWh

for combined heat and power

8.47 US cents/kWh avoided cost tariff for other technologies

SOLID DOMESTIC WASTE 10.05 US cents/kWh for waste incineration

Tor waste memeration

7.28 US cents/kWh for combustion of landfill gas

*COD: Commercial Operation Date

The Prime Minister issued **Decision No.13** to replace Decision No.11, which details the new FiT tariffs (as can be seen they are **significantly lower** than those under Decision No.11)

Due to the **Covid-19 pandemic**, to reach COD by the end of 2020 for FiT eligibility, developers may **need to quicken** the project timelines to meet the deadline.



GOVERNMENT INCENTIVES

Four key proclamations this year provide guidance on the role Renewable Energy could play in meeting demand growth:

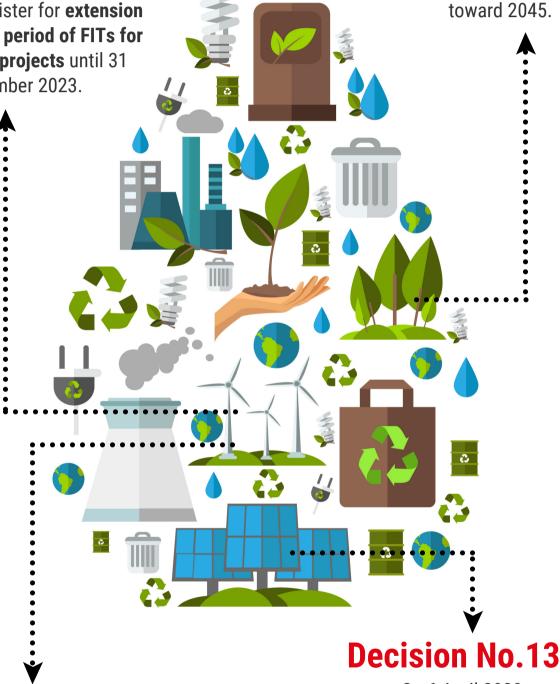




- On 9 April 2020 The MOIT issued Report No. 2491/BCT-DL with proposals to the Prime Minister for extension of application period of FITs for wind power projects until 31 December 2023.

Resolution No.55

- On 11 February 2020 The orientation of Vietnam's **National Energy Development Strategy** to 2030 with a vision toward 2045.



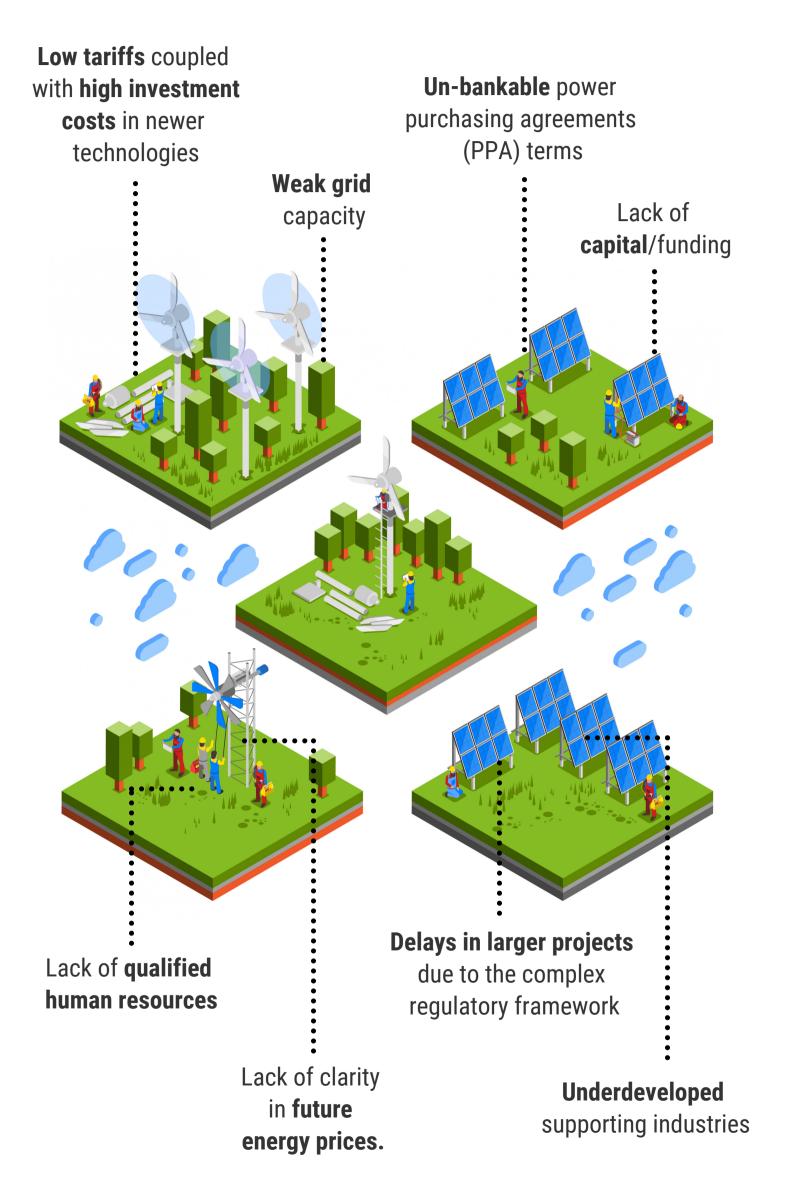
MOIT Report No.1931

- On 19 March 2020 The Ministry of Industry and Trade ("MOIT") issued Report No. 1931/BCT-DL with proposals to the Prime Minister for the development of wind power sources.

- On 6 April 2020 The Prime Minister issued Decision No. 13/2020/QD-TTg on encouragement mechanisms for the development of solar power in Vietnam, effective from 22 May 2020. (introduces a number of new incentives and mechanisms for investors in solar power projects in Vietnam)

CHALLENGES





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- [10] Electricity and Renewable Energy Authority in Vietnam under the Ministry of Industry and Trade EREA (MOIT) together with the Danish Energy Agency (November, 2019): Báo cáo triển vọng năng lượng Việt Nam 2019 (EOR2019)
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- [12] Allens Linklaters: Renewables in Vietnam, Opportunities for Investment