

Mandated Lead Arranger, Environment & Insurance Bank financing US\$165m of external commercial borrowings for leading European renewable energy players' 300MW Solar Project

Rajasthan, India



Description

DBS is the Mandated Lead Arranger, Environment & Insurance Bank for leading European renewable energy players' 300MW solar project in Rajasthan, India. The project will be fully contracted to Solar Energy Corporation of India ("SECI") via a 25-year PPA. SECI is a Central Public Sector Undertaking under the administrative control of the Ministry of New and Renewable Energy and acts as an intermediary to bundle solar capacity for sale to Distribution Companies.

The project utilises a multi-contractual approach with experienced contractors and developers. Detailed review of the construction plan, contractors and contractual structures was essential in order to mitigate interface risks during construction. Once operational, the project will be part of India's plan to increase renewable energy capacity to 175GW by 2022.

DBS's Involvement

DBS's involvement in this deal with two leading European Sponsors with significant renewable energy pipelines in Asia further strengthens its credentials in the renewable space in India having already completed numerous precedent solar financings in India.

Sizing of project cost, contingencies and other forms of support in the financing structure during construction was a key consideration, due to uncertainty on equipment import duties and in order to mitigate contractor-specific risks. All key equipment for the solar project have been sourced for Bloomberg New Energy Finance Tier-1 suppliers, indicating bankability of the project.

Project Data



Location	Rajasthan, India
Total Capacity	300MW
Off-take	25-year PPA with SECI
Funding Mix	Debt to Equity of 80:20
Tenure	7.5 years
Project Debt	~US\$165m
Financial Close	Jan 2021



Mandated Lead Arranger and Modelling Bank in Australia's first ever project financing of a utility-scale battery project

Queensland, Australia



Description

DBS is the **Mandated Lead Arranger and Modelling Bank** in Australia's first ever project financing of a utility-scale battery project. Located in Wandoan South, approximately 400km northwest of Brisbane, Queensland, Wandoan is developed by Vena Energy, and is Queensland's largest battery solution and capable of powering up to 52,000 Australian homes.

Wandoan's energy storage and discharge capabilities can be deployed to leverage excess solar and wind generation within the Western Downs region, Queensland's renewable energy hotspot. Under its offtake contract, AGL, a leading Australian energy player will have full operational dispatch rights of Wandoan, allowing the Australian generator and retailer to optimise its growing portfolio of renewable assets. Doosan Gridtech is the EPC for Wandoan, and will provide its proprietary DG-IC© control system, which is built on open standard interfaces and capable of meeting the rigorous requirements of the Australian National Electricity Rules.

Once operational, Wandoan is underpinned by a 15-year long-term offtake by AGL.

DBS's Involvement

Vena Energy is a leading renewable energy developer and DBS has supported Vena Energy in projects across India, Taiwan, and Australia. This project in Wandoan South further demonstrates DBS' ability to support key clients as they expand their strategic footprint across our franchise.

At the corporate level, DBS is also a joint lead arranger on Vena Energy's maiden green bond issuance.



Project Data



Location	Queensland, Australia
Total Capacity	100MW / 150MWh
Off-take	15-year offtake with AGL
Technology	Lithium ion battery
Project Debt	~A\$110 million
Financial Close	Dec 2020

Mandated Lead Arranger and Technical and Environmental Bank leading a group of 6 European and Asian ECAs and over 20 commercial bank and insurance company as lenders for the 589MW Changfang and Xidao Offshore Wind Farm *Taiwan Straits, Taiwan*



Description

DBS is **Mandated Lead Arranger, Technical and Environmental Bank** for the 589MW Offshore Windfarm in Taiwan. Located in the Taiwan Straits approximately 13-15km of Changhua Country's coast, the project which comprises 62 x 9.5MW MHI Vestas Offshore Wind WTGs is developed in 2 phases.

The project has the highest proportion of localisation content in Asia Pacific offshore wind projects to date, with jacket foundation, pin piles, onshore sub station, installation contracts and certain wind turbine components provided by local contractors. It is part of the Taiwanese Government's Stage 2 plan to develop 5.5GW of offshore wind power capacity by 2025. It forms an essential part of the government's plan to reach its renewable energy target of 29.9GW by 2025.

Once completed, this project will provide clean energy to more than 600,000 households.

DBS's Involvement

This is the first Taiwan offshore windfarm project to have equity participation by local insurance companies (Taiwan Life Insurance and TransGlobe Life Insurance) and cover by the Japanese ECA NEXI. As **Technical and Environmental bank**, DBS led a group of 6 European and Asian ECAs and over 20 commercial bank and insurance company as lenders. Given its strong track record of delivery and deal experience having been in all the offshore wind deals in Taiwan, DBS was selected out of more than 15 commercial banks to lead and coordinate due diligence for ECAs and lenders as the Technical and Environmental Bank.

The project featured ECA base facilities benefiting from 95-100% comprehensive cover from 6 European and Asian ECAs. This demonstrates DBS' ability to lead and manage multiple ECAs in leading roles to achieve a timely and successful financial close.



Project Data



Location	Taiwan Straits, Taiwan
Capacity	589MW
Off-take	20-year PPA with Taipower
Energy Resource	Offshore Wind
Funding Mix	D:E ratio of 75:25
Project Debt	~NTD82 billion (US\$2.8 billion)
Financial Close	Feb 2020

Financial Advisor, Mandated Lead Arranger, Account Bank, Facility Agent, Security Agent and Hedging Bank for financing of a 181MW floating solar PV project, Taiwan's largest floating solar project and world's largest floating solar project built in inter-tidal zone

Changhua City, Taiwan



Description

DBS was appointed as **Financial Advisor, Mandated Lead Arranger, Account Bank, Facility Agent, Security Agent and Hedging Bank** for the financing of a 181MW floating solar PV project located in Taiwan. The project marks the first standard international style non-recourse loan for a large-scale floating solar power plant in Taiwan, and largest in the world to be built in an inter-tidal zone.

Located in the Lunwei district of Changhua Coastal Industrial Park, the project is currently the first and largest floating solar in Taiwan. The project is wholly-owned by Marubeni and has a long term offtake PPA with Taipower in place. The success in this project will help to spur more of such projects in land-constrained Taiwan and other jurisdictions in Asia facing the dilemma of accelerating renewable energy adoption and competing land uses.

DBS's Involvement

Being the largest floating solar project in Taiwan to-date, this landmark transaction supports the Taiwanese government's directive in achieving 20% renewables in the country's energy mix by 2025.

Building on DBS' capabilities in Taiwan for solar PV, DBS helped to structure the financing and manage the entire financing process initially with Isquared and subsequently with Marubeni. There were multiple first-of-its-kind technical and legal issues that had to be structured around. This unique transaction showcased DBS' ability to display thought leadership in structuring a project financing for the adoption of a new technology in Taiwan. DBS also assisted to garner interest from 2 other international banks (SocGen & SMBC) as well as 4 local Taiwanese banks to close the deal in compressed timelines. DBS's multiple roles in the transaction also demonstrated its wide range of banking products.



Project Data



Location	Changhua City, Taiwan
Total Capacity	181MW
Offtake	20-year PPA with Taipower
Funding Mix	D:E ratio of 75:25
Project Cost	NT\$9 billion (~US\$300 million)
Financial Close	Apr 2020

Sole Financier for Singapore's first large-scale floating solar project and one of the world's largest inland floating solar projects

Singapore

Description

DBS is the **Sole Financier** providing a S\$40m loan facility for the first large-scale floating solar project in Singapore, and one of the largest inland floating solar projects in the world. Sembcorp, a leading energy and urban development group, was awarded the bid by PUB in Feb 2020 to develop a 60MWp floating solar PV project at Tengeh Reservoir in western Singapore. The project will cover an area of around 45 football fields and generate enough energy to power about 16,000 four-room HDB flats for a year, offsetting about 32 kilotonnes of carbon emissions annually – equivalent to taking approximately 7,000 cars off the roads.

The project is scheduled for completion in 2021.

DBS's Involvement

DBS, as the **Sole Financier** providing a loan facility for Singapore's first large-scale floating solar project, and one of the world's largest inland floating solar projects will help to drive Singapore's transition towards a low-carbon economy.

This transaction builds on DBS's recent financial advisory roles in Taiwan's largest floating solar project and Taiwan's largest ground-mounted solar project, where DBS differentiates itself from competitors in renewables financing – providing financial advisory services to help shape and structure the transaction.



Project Data



Location	Singapore
Total Capacity	60MWp
Offtake	25-year PPA with PUB
Technology	Floating solar PV
Project Debt	S\$40 million
Financial Close	Aug 2020

