

How much will NamPower contribute to the Bess project?

NamPower will contribute approx. 100 million NAD to ensure the total project cost of around 500 m NAD are fully covered. The BESS plant will assist in peak shifting, energy arbitrage, provision of emergency energy, ramp-rate and reactive power control amongst others.

Will Namibia's electricity grid be stabilized?

The Managing Director of NamPower, Mr. Kahenge Simson Haulofu, further said that the electricity grid in Namibia will be stabilized as short and medium-term power fluctuations from RE generation can be load-followed by the storage system.

What is the Bess and how will it work?

The BESS is expected to store "locally generated renewable power as well as electricity imported from the Southern African Power Pool (SAPP)". The electricity will be stored at off-peak times, when it is cheaper. The stored energy can then be discharged "during peak times".

Who won the Bess project?

German development bank KfW, the NPC and NamPower congratulate the EPC contract winning partners, Mr. Benny Jin, Shelmon Chu and Qiao Weijian on the construction of the BESS project worth 500m NAD, which will contribute towards climate change by strengthening the expansion of Renewable Energies in Namibia.

When will NamPower EPC plant be operational?

After an elaborate tendering and evaluation process, NamPower signed the EPC contract with Shandong Electrical, Engineering & Equipment Group Co., Ltd and Zhejiang Narada Power Source Co., Ltd JV on 13 December 2023. Construction work is planned for 18 months and the plant is expected to be operational by mid 2025.

NamPower, Namibia's state-owned power utility, has signed a contract with a Chinese joint venture to build the first utility-scale battery ...

Technology description Battery system layout To understand the main characteristics of the BESS system, a general overview of the whole battery system is shown in Figure 1. The BESS ...

Key contracts have been signed for the first-ever grid-scale battery storage project in Namibia, signifying the African country's dedication to ...

To address these challenges, the utility is developing and constructing Battery Energy Storage Systems (BESS), including the 54MW Omburu BESS near Omaruru and the ...

Surplus electricity from RE generation as well as cheaper electricity imports from the Southern African Power Pool (SAPP) can be stored in the BESS. The stored energy could supply ...

BESS stands for Battery Energy Storage System, a technology designed to store electrical energy in batteries and release it when needed

THE Namibia Power Corporation (NamPower) has invested N\$317 million in its Omburu power plant. The 20 megawatt plant, inaugurated last week, was initially projected to ...

One of the most important inputs for economic growth is an abundance of reliable, affordable energy and Namibia is increasingly coming under pressure to deliver a power supply that ...

TE is focused on technology upgrades in the renewable energy industry and a complete flow of connection application solutions from power generation and energy storage to charging. We ...

NamPower, Namibia's state-owned power utility, has signed a contract with a Chinese joint venture to build the first utility-scale battery energy storage system (BESS) in the ...

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The Anixas II Power Station is built as a dual-fuel power station, ready to receive natural gas (NG) once it becomes available in Namibia at a ...

Integrating battery energy storage systems (BESS) into a coal-fired generator can enhance power systems' secondary frequency regulation capability. To this end, this paper proposes a policy ...

Table 7 Van Eck technical parameters per unit Table 8 Anixas technical parameters per unit Table 9 Solar IPP plants Table 10 Existing power generation in Namibia as of December 2020 Table ...

The project will store surplus renewable generation and imported electricity for use during peak periods, reducing dependence on the local Van Eck coal power plant, enhancing ...

NamPower owns and operates Anixas I and two other power stations, with a combined installed capacity of 459.5MW, with these stations being the main sources of local ...

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