

# AZAB WELL: A LIFELINE FOR A DROUGHT-STRICKEN COMMUNITY

The Azab well is a water community asset that was rehabilitated by YFCA, a project funded by YHF, through the provision of comprehensive and life-saving WASH assistance for IDPs and the most vulnerable groups in Qatabah-dis, Aldhale Governorate. The project aimed to improve the local community's health and help people have a safe drinking water source.

The well was running on fuel and had a low production capacity of 65 m3 per day, which was not enough for the needs of the population. The project faced huge challenges such as a lack of fuel and power supply, and the inability to perform regular maintenance for the facilities and equipment. The environmental situation in the region was also very difficult, forcing people to bring water from unprotected sources, which increased the risk of diseases and epidemics.

The project completed its intervention by supplying, installing, and operating a complete solar energy system of 83.25 kw capacity with civil works. The intervention increased the total water production of the well from 65 m3 to more than 120 m3 per day, which is more than a 100% increase from before the intervention. This means that more than 1000 people in the project areas and villages can access safe drinking water every day. The intervention also contributed to reducing the monthly water cycle in the project areas and villages, ensuring the continuity of safe access to water throughout the month. This improved the families' budget by saving the expenses that they allocated for buying water trucks. Additionally, it improved the community's health by preventing dehydration, diarrhea, and other waterborne diseases.

The intervention also supplied and installed good specifications for solar panels, batteries, pumps, and pipes to ensure the sustainability and long life of the well. The intervention impacts were immediately visible during the current fuel shortage crisis that affected many parts of Yemen. This crisis did not affect the well operation time or total water production, proving that this was a necessary intervention.

The Azab well is an example of how renewable energy can provide clean and reliable water for communities in need. It is also an example of how humanitarian assistance can save lives and improve livelihoods in times of crisis. YFCA thanks YHF for supporting this project and hopes that it will inspire more similar initiatives in other parts of Yemen.

