

SOLAR WATER PUMPING · OPTION A · MINIMUM PACKAGE

Start simple: well + pump on grid power

The lowest-cost way to get water: drill the 4" well and install a TORQUE 1.5 HP AC pump on the existing PEA 220 V supply. It pumps day or night, and solar can be added later without changing the pump.

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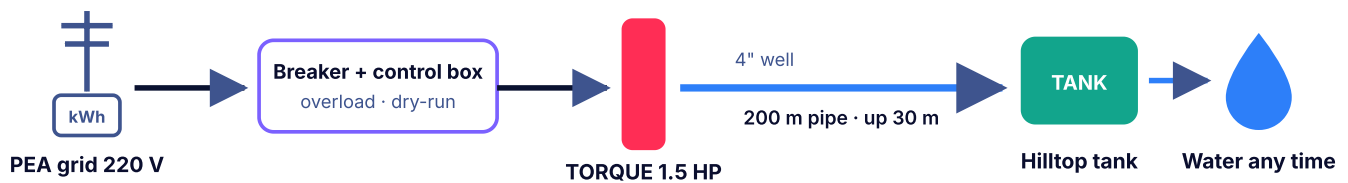
Rev02

20 October 2026

Chiang Rai, Thailand

Approximate prices in THB

How it works



The minimum package



65,000
THB

1 Drilling a 4" well

Drilling with pipe, accessories and safety sling included



17,000
THB

2 TORQUE 1.5 HP AC pump

TQ-SP-2DLBM20-4/S, 1-phase 220 V, plugs into PEA grid power

MINIMUM PACKAGE

82,000 THB

Drilling 65,000 + pump 17,000

What the 65,000 THB drilling price covers

Drilling the 4" borehole



Pipe and accessories



Stainless safety sling for the pump



Option A total, approx. (before VAT)

82,000 THB

Running cost on grid power

PUMP ENERGY

≈ 9 kWh/day

1.5 kW × about 6 h

PER DAY

≈ 40 THB

at ≈ 4.5 THB/kWh

PER MONTH

≈ 1,200 THB

30 days of pumping

PER YEAR

≈ 15k THB

paid to PEA

Upgrade later to Option B: adding the solar pump inverter system reuses the same well, pump and pipe, and cuts most of this electricity bill. All prices are approximate and before VAT; drilling depth and price are confirmed by the well driller on site. A 220 V PEA supply is assumed at the well; extending the supply line is extra.