

## Solar Water Heater

A solar water heater consists of a collector to collect solar energy and an insulated storage tank to store hot water. In 2015, Assam had around 4,700 sq. mt. collector space under Solar Water Heaters. This sector has always been incentivized by capital subsidies and soft loans in the past. Introduction of mandates for the building sector, provision of capital subsidies and soft loans/ tax rebates have together helped in the growth of the sector. But, under “Off-Grid and Decentralized Solar Thermal Applications” scheme of the Ministry, the subsidy for Solar Water Heating Systems was discontinued in October, 2014. This lever lets user see the impact of solar water heaters on heating requirement in building under various scenarios.

### Level 3

The total collector space of solar water heater would increase to 0.25 sq. km (~0.12 GW) by 2050.

### Level 2

The total collector space of solar water heater would reach 0.14 sq.km. in 2050 (~0.07 GW).

### Level 1

Solar water heater installations will be slow and reach 0.02 GW (equivalent to collector space of 0.04 sq.km) in 2050 from 0.003 GW in 2015

### Level 4

The total collector space of solar water heater would also increase to as high as 0.46 sq. km. (~0.23 GW) in 2050.

