

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, Andhra Pradesh had around 127,800 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 also increase to 6.7 sq. km (~3.3 GW) by 2050, due to changing lifestyle and increased urbanization.

Level 2

The total collector space reaches 3.7 sq. km. in 2050 (~1.8 GW).

Level 1

Solar water heater installations will also be slow, reaching 0.4 GW (equivalent to collector space of 1 sq.km) in 2050 from 0.1 GW in 2015.

Level 4

Solar collector area will rise to 12 sq. km. (~6.2 GW) in 2050.

