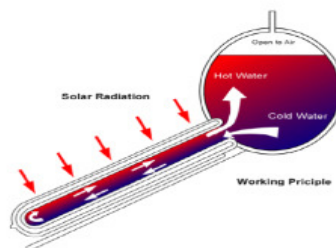




## SM Enviro Solutions

**Specialist:** Water treatment plants & chemicals, Waste water treatment plant & chemicals, Effluent treatment plant Chemicals, Rain Water Harvesting, Solar Power Solutions, Reverse Osmosis System, EDI, Ultra filtration, UV System, Ozone System, Ultra pure water.

### Solar Water Heater



#### Principal:

The vacuum tubes trap incident sun rays, and convert it to heat inside the inner tube. Water, now being heated its temperature rises, density changes, and hot water sections rise through the tube to the top of the tank, while cold water from the bottom of tank replaces it in the tube, to start the cycle again. This natural cycling of water driven by temperature difference keeps water hot when stored in an insulated tank.

The **solar water heater tank** comes with a non-pressurized tank/ pressurized tank, and has an opening to the ambient atmosphere.

#### Savings for tomorrow:

An average 4 persons family spends over 25% of its electricity bills on water heating. This share may shoot up further in case of commercial & industries users.

While the cost of solar water heater can be easily re-cooped within a short duration with the amount of saving you make, an effective solar water system will:

Provide almost all your hot water needs

Cut a major part of electricity, gas or woods bills

Save tonnes of greenhouse gas emissions every year.

#### **SM Enviro Solutions.**

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### Savings forecast & payback period calculation:



Approx electricity cost for using average water geyser or heater for 4 hrs	8kWh or 8 units
Cost of electricity used per day	Rs. 40 1 unit = Rs 5.00
Cost of electricity consumed per month	40 X 30 = Rs 1200
Saving per year if solar water heater is installed	Rs 7200.00 (considering hot requirement for 6 months per yr)
Payback period for 100ltr Water heater	2 years

### Advantages of using Solar Water Heater:

Save thousands on electricity, gas, fuel bills  
Higher temperature  
Extremely long life  
Negligible maintenance  
In-Built power backup  
Environment friendly  
Capacity to suit your needs  
Reasonable prices  
Get Tax Benefits on commercial usage  
Get electricity rebate on domestic usage

### Service Offered:

Having garnered sizeable experience in designing and executing rooftop projects of various scales, we offer efficient and cost effective rooftop solutions including designing, engineering, procuring, installation, commissioning, operation and maintenance. Levying thrust on quality, optimum performance, reliability and safety, we have emerged as one of the most preferred provider.

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