



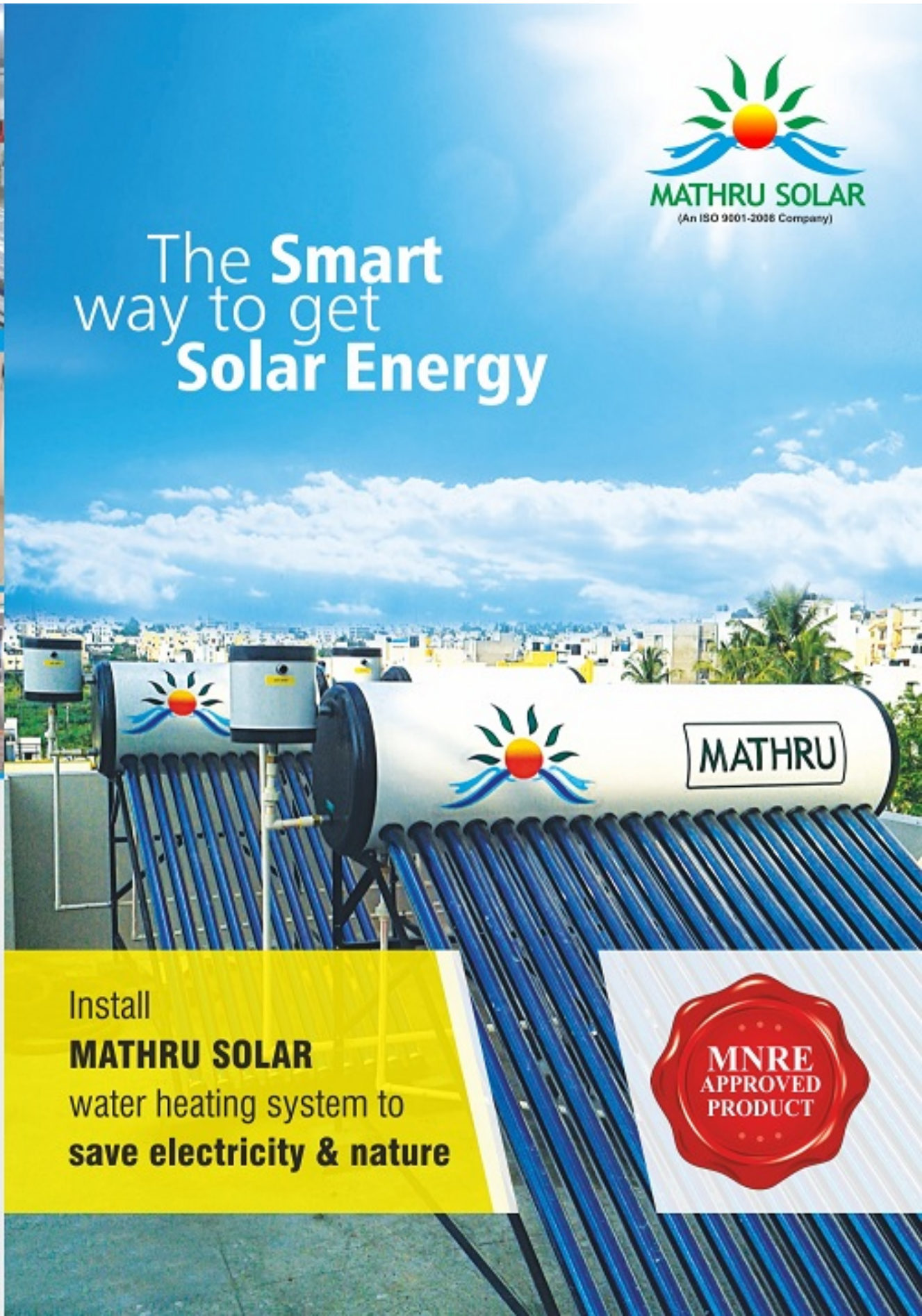
FACTORY



The **Smart** way to get **Solar Energy**



HEAD OFFICE



### G.C. SOLAR INDUSTRIES

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Install **MATHRU SOLAR** water heating system to **save electricity & nature**







## Company Profile

G.c solar industries located in bangalore set out itself to be a leading manufactures of solar water heaters.

The company currently holds 100 employees and our workshop facility covers an area of around 30000 sq feet and office covers an area of 6000 sq feet.we supply products throughout india.

We are focusing on creating a competative advantage by providing value to the customers through quality, technological innovations and cost control. We are committed to making green, clean renewable solar energy affordale to most families and promote solar energy as the solution for the sustainable development of human race and being a reliable partner by providing well built products and superior service.

G.C. Solar Industries dedicate to research, development, creativity, innovation and sound engineering principles contribute to the consistent performance of the solar water heating products.

We have test certifications from testing centres of madurai kamaraj university for etc modles. Honesty, integrity, transparency in transactions, innovative spirit is the core values that drive the firm in its effort to attain its mission and vision

**Our Vision :** to build a sustainable future through renewable energy Solutions and to become a socially contributing leader in the Business of solar energy harnessing devices and utilities.

### Our Mision :

- Promoting make in India.
- To make available quality, safety and cost effective Products to customers.
- Adopting best engineering and management principles.
- To sustain a cutting-edge infrastructure and an inspiring Working environment.



## Solar Water Heating System (ETC MODEL)



### Conformity to standards Major Components

### MNRE Approved Vacuum tubes, hot water insulated Tank

#### EVACUATED TUBE COLLECTOR

Tube Size and Length	58 mm outer dia + 0.5mm - 0.0mm and 1800mm length
Absorber area of the collector	Area covered by the collector: >= 1.5m <sup>2</sup> / 100 LPD
Stagnation Temperature	180 degree C maximum
Material of Construction (Absorber)	Tube made of Borosilicate Glass
Coating	Graded Al-Ni/Al Outer Surface of the inner tube Slective Black Chrome
Vacuum of the tube	<= 5 X 10 Pa*
Hail resistance/ impact resistance	< 25 mm Dia
Absorptivity (%ge) of the Collector	>92%
Emissivity (%ge) of the Collector	<8%
Water Output	Rated LPD at 60 degree C *under normal sunny conditions

#### Material

#### Inner tank Stainless Steel 304 /316 Grade

Linear and collar Welding	Uniform Machine TIG/ SIM welding
Circumferential Welding	Uniform Machine resistance Welding
Thermal Insulating material	Puff
Thickness of Insulation	50mm
Heat loss	Overnight temperature loss 4-6 degree C
Tank Cladding	Pre coated RAL 9002 Off-White/ Stainless Steel 430 grade mirror finishing
No of Tubes For (58/1800mm)	10 for 100 LPD, 15 for 150LPD, 20 for 200 LPD25 for 250 LPD & 30 for 300LPD
Electrical Heater	OPTIONAL (2KW immersion type heater)

#### Miscellaneous

Fasteners	All fasteners used are GI/Stainless Steel (Nut & Bolt)
Interface between dissimilar materials	Special Silicon Rubber - Dai 58
Structure	GI - 1.2 mm thickness With Powder Coating
Available Colours :	Black, Blue and Red (Only for Dishes).