



Warm Your Heart with Solar Water Heater



Save
Money



Save
Electricity

SOLAR WATER HEATER

The sun rays fall on the Collector, which 'collect' the rays and convert them into heat energy. The solar heat energy thus collected is used to heat the water passing through the pipes of the collector. The water is then stored in (PUF)insulated Stainless Steel / Ceramic Tanks and from there, distributed through pipes to the required utility points.

The device utilizes solar radiation and provides hot water at a temperature of 60-80°C for various applications such as bathing, cloth washing, dish washing, etc.

Provision of Electrical back up (heater) is provided to take care of hot water requirement during cloudy days, for which electricity is required.

Approx. 35 sq.ft. space is required at rooftop for 100 litre per day (LPD) system.

The system hardly requires any maintenance.

The payback period for the system is ideally 2-3 years.



MNRE
Approved



Triple National Award
Winner Organization

FEATURES

1. High efficiency copper absorbers with ultrasonic welded fin-tube accessories in Flat Plate Collectors (FPC).
2. 3 Layer glass tubes provide up to 90% sun tracking per day for Evacuated Tube Collector (ETC) system only.
3. Indium activated sacrificial anode to protect tank from bi-metallic corrosion.
4. Electrical back up with adjustable thermostat control for rainy / cloudy days.
5. PUF insulated hot water storage tank to minimize over night temperature loss.
6. Tanks welded by TIG welding process assuring longer life.
7. Inner hot water storage tank is made of SS 304 grade/ceramic tank.
8. Available in 100, 200, 300, 500 & 1000 LPD system.
9. Robust & easy to install.
10. Minimum maintenance.

OUR ESTEEMED CLIENTS

1. NIT DURGAPUR, WB
2. INDIAN OIL DULIAJAN, ASSAM
3. SATYAJIT ROY FILM & TELEVISION INSTITUTE, KOL, WB
4. ITC, KHIDIRPORE, WB
5. RAJ BHABAN, WEST BENGAL
6. IEST, FORMERLY KNOWN AS B E S U, HOWRAH, WB
7. H E T C BOYS HOSTEL & GIRLS HOSTEL, WB
8. LIFE INSURANCE CORPORATION OF INDIA, KOL, WB
9. FORTUNE HOTEL, KOL, WB
10. S N BOSE NATIONAL CENTRE FOR BASIC SCIENCE KOL, WB
11. RAJ LAKSHMI GOLD, (HOTEL THAMES) KOL, WB
12. RAM MOHAN GIRLS COLLEGE, KOL, WB
13. SUREKA GROUP, KOL, WB
14. SERAMPORE WALSH HOSPITAL, WB
15. MNREDA, SHILLONG, MEGHALAYA
16. SBI, LOCAL HEAD OFFICE, SAMRIDDHI BHAVAN, KOL, WB
17. RAJ BHABAN, GUWAHATI, ASSAM
18. VIVEKANANDA MISSION ASHRAM, HALDIA, WB
19. GEMS AKADEMA INTERNATIONAL SCHOOL, WB
20. BENGAL PEERLESS HOUSING DEVELOPMENT CO. LTD. KOL, WB
21. ANANDA BAZAR PATRIKA, BARJORA PRESS, WB
22. CSIR, CGCRI, KOL, WB
23. NARENDRAPUR RAMKRISHNA MISSION, WB

&
MANY MORE

Standard Layout of Solar Water Heater



APPLICATION

1. Domestic : At Individual Home, Flats, Bungalows & Apartments In Toilets & Kitchens etc., for bathing, washing of clothes, utensils & as pre-heating for cooking etc.
2. Commercial : At Hotels, Hospitals, Hostels & Canteens etc. For Toilets, Kitchen, Autoclave etc.
3. Industrial : In Process Industries, Preheating is used boiler feed water.

BENEFITS OF JUST A 100 LITER PER DAY SOLAR WATER HEATER

1. **Life expectancy : 15 - 20 Years**
2. **Return on Investment-within 2-3 years**
3. **Avail Bank Loan at the interest rate of Housing Loan**
4. **Upto 80% Income Tax Depreciation**
5. **Environmental benefits :**
 - a. **100 LPD system saves 30,000 units at utility end over 20 years**
 - b. **Savings at generation point - 36,000**
 - c. **CO2 emission saved : 52,000 kgs**
 - d. **To absorb 52,000 kgs of carbon we need 10 trees for 20 years**

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