



CENTRAL BUILDING RESEARCH INSTITUTE ROORKEE

Solar Water Heater



Application/Uses	:	Water heating for use in residential and institutional buildings such as hospitals, hotels, canteens etc.
Salient Technical Features	:	Domestic : Natural convection, Capacity - 140 litres, Evening temperature -55°C, Morning temperature - 48-50°C; Large Size: Forced convection, Capacity - 600 lit. or more, Evening temperature - 55°C, Morning temperature -48-50°C; Low-cost: Built-in-storage & only day time use, Maximum temperature-65-70°C
Environmental Aspects	:	No pollution problem
Level/Scale of Development	:	Commercial scale
Status of Commercialisation	:	16 licences; Technology in production
Major Components/ Raw Materials	:	G.I.pipes/fittings,G.I.sheets, aluminium sheets, mineral/glass wool insulation
Major Plant Equipment and Machinery	:	Ordinary mechanical workshop facilities
Techno-Economics	:	Capital investment of Rs. 1.5 lakh Domestic - Rs. 10,000.00 Approximate Cost Large Size - Rs. 30,000.00 Approximate Cost Low-cost - Rs. 3,000.00 Approximate Cost
Technology Package	:	Detailed technical drawings and demonstration

For further details please contact :

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