

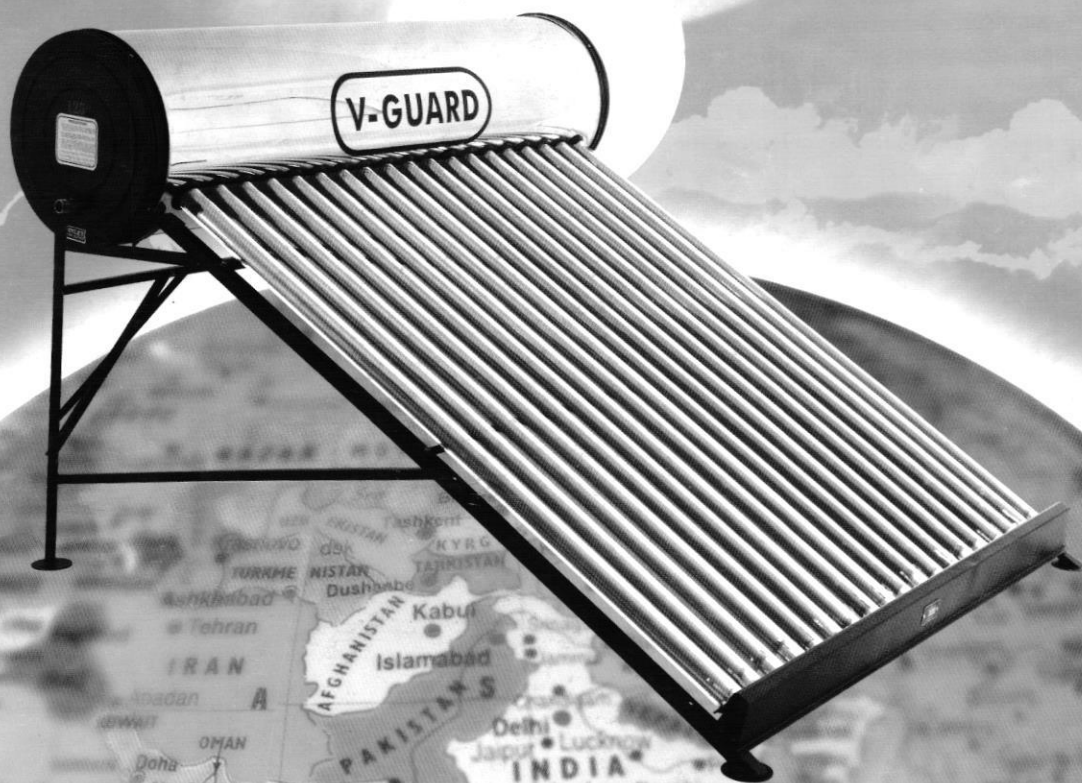
New

Most advanced International

Technology

powered
by the

sun



Solar Water Heater



Energy Saved is Energy Produced

Conserve Energy... Protect Nature.



V-Guard Evacuated Tube Collector Solar Water Heater

A revolutionary product from V-Guard - the brand that has always given the best in quality, technology, performance and service. The most advanced in Solar Water Heaters, V-Guard Solar Water Heaters are made from high-quality components and come with international technology. The Evacuated Tube Collector System facilitates high-efficiency absorption and utilization of solar energy, with minimum heat loss. V-Guard Solar Water Heater saves a substantial amount on electricity bills and other fuels, making it a worthy investment for a lifetime.

Features of V-Guard Evacuated Tube Collector System:

- The concentric, high quality Borosilicate glass tubes in the Evacuated Tube Collector are sealed on both ends to create vacuum. The number of tubes vary according to the capacity.
- The high quality Solar Selective Coating (AlN/Al) facilitates excellent heat absorption and minimum heat emission.
- The storage tank is made of food grade stainless steel - SS 304L (Sail Steel / Jindal Steel) see figure 2
- ISI Backup Heater with Automatic Temperature Controller (optional)
- Fitted with Sacrificial Anode.
- Huge savings on electricity and fuel charges.
- Models available with Aluminium Stucco/Stainless Steel outer cover.

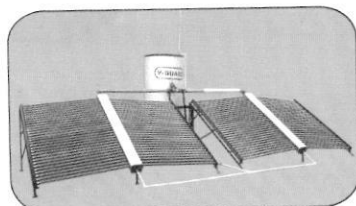
V-Guard Solar Water Heaters are manufactured in our factory with

- Imported machines
- Latest welding technology
- Experienced R&D personnel

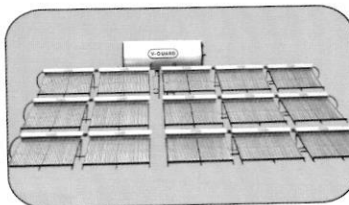
Received business leadership award (Solar Thermal) from Solar Energy Society of India, New Delhi.

Heat pipe technology in pressurised solar system

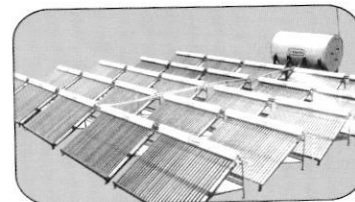
The non-toxic liquid inside the Copper heat pipe used in solar water heaters has a boiling point of only 25 degree C. So when the heat pipe is heated above 25 degree C, the liquid vapourises. The vapor rapidly rises to the top of the heat pipe transferring the heat to the cold water inside the tank. As heat is lost at the condenser top, the vapour condenses to form a liquid and returns to the bottom of the heat pipe to repeat the process. Each heat pipe is tested at 250 degree C. For this reason the Copper heat pipe is relatively soft. Because of high temperature, the glass tube is given a twelve-layer coating. Given the strict quality control and high Copper purity, the life expectancy of the heat pipe is even longer than that of the solar tube.



1000 LPD



3000 LPD



5000 LPD

Applications: • Houses and Bungalows • Hotels/Hospitals/Restaurants • Resorts / Apartments • Poultry Farms / Textile Mills & Drying Units / Industries • Pool Heating

Working Principle

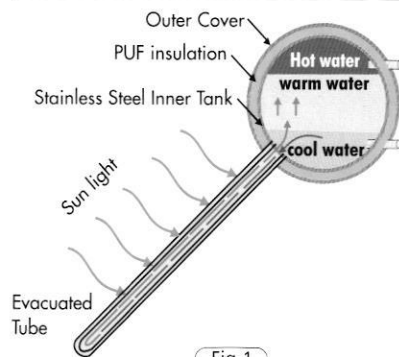


Fig.1

Sunlight, incident on the Vacuum Tube, passes through the outer transparent glass tube and strikes the outer surface of the inner glass tube with selective coating (AlN/Al). This glass tube, which acts like a black body, absorbs the radiation and gets heated up in the process.

The presence of vacuum between the two tubes prevents heat loss to the surroundings. The heated inner tube transfers this heat to the water with which it is directly in contact. Hot water is lower in density and therefore has a tendency to rise up. Cool Water from the tank flows down to replace the hot water, facilitating circulation by thermosyphon. And through this process, the entire water in the storage tank heats up and gets ready for use.

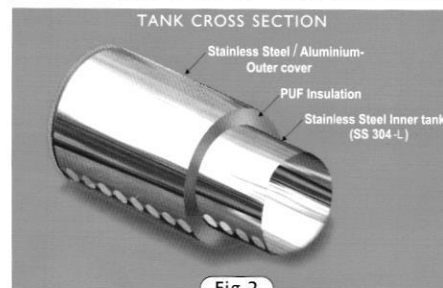
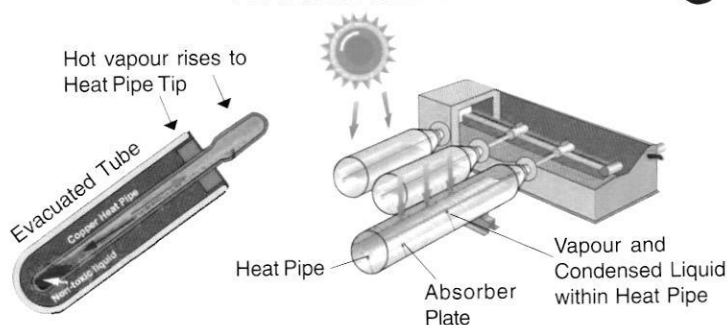


Fig.2

The storage tank is insulated with PUF which minimises the heat loss at night. Special model made with SS 316L grade inner tank is also available for hard water area.

WORKING PRINCIPLE OF PRESSURISED SOLAR WATER HEATING SYSTEM



EVACUATED TUBE COLLECTOR (ETC) SOLAR WATER HEATER TECHNICAL DETAILS (DOMESTIC SYSTEMS)

Model	Utility points	Number of persons using hot water	Number of headers	Number of evacuated tubes	Back up heater (optional)	Inner tank	Inlet/outlet pipe size of storage tank	Outer cover	Tank insulation	Approx. wt of one complete system without water	System height from the roof	Min. required overhead tank height from the roof	Min.space area reqd. (NS X EW)
100 LPD	2	2-3	—	15	2KW	SS 304-L	1.9cm (3/4")	SS/Aluminium Stucco	PUF	51kg	1.1m	1.25m	1.75 x 1.3 m
125 LPD	2	3-4	—	19	2KW	SS 304-L	1.9cm (3/4")	SS/Aluminium Stucco	PUF	61kg	1.1m	1.25m	1.75 x 1.5 m
150 LPD	3	4-5	—	23	2KW	SS 304-L	1.9cm (3/4")	SS/Aluminium Stucco	PUF	72kg	1.1m	1.25m	1.75 x 1.9 m
200 LPD	4	5-6	—	30	2KW	SS 304-L	1.9cm (3/4")	SS/Aluminium Stucco	PUF	98kg	1.1m	1.25m	1.75 x 2.3 m
300 LPD*	5	8-9	1 No	42	2KW	SS 304-L	1.9cm (3/4")	Aluminium Stucco	PUF	152kg	1.7m	1.85m	3.7 x 4.2 m
500 LPD*	8	14-15	1 No	60	4KW (2KW+2KW)	SS 304-L	2.54cm (1")	Aluminium Stucco	PUF	282kg	2.08m	2.23m	4 x 4 m

*Horizontal Tank & Vertical Header

BIGGER EVACUATED TUBE COLLECTOR (ETC) PRESSURIZED SOLAR WATER HEATER TECHNICAL DETAILS

Model	Utility points	Number of persons using hot water	Number of headers	Number of evacuated tubes	Back up heater (optional)	Inner tank	Inlet/outlet pipe size of storage tank	Outer cover	Tank insulation	Approx. wt of one complete system without water	System height from the roof	Min. required overhead tank height from the roof	Min.space area reqd. (NS X EW)
100 LPD-PR	2	2-3	—	10	2KW	SS 304-L	1.9cm (3/4")	Aluminium Stucco	PUF	79 kg	1.3 m	1.45 m	2.5 x 1.1 m
125 LPD-PR	2	3-4	—	12	2KW	SS 304-L	1.9cm (3/4")	Aluminium Stucco	PUF	91 kg	1.3 m	1.45 m	2.5 x 1.25 m
150 LPD-PR	3	4-5	—	15	2KW	SS 304-L	1.9cm (3/4")	Aluminium Stucco	PUF	105 kg	1.3 m	1.45 m	2.5 x 1.6 m
200 LPD-PR	4	5-6	—	20	2KW	SS 304-L	1.9cm (3/4")	Aluminium Stucco	PUF	136 kg	1.3 m	1.45 m	2.5 x 2.1 m
300 LPD-PR	5	8-9	1 No	24	2KW	SS 304-L	1.9cm (3/4")	Aluminium Stucco	PUF	158kg	1.9 m	2.05 m	4 x 1.5m
500 LPD-PR	8	14-15	2 Nos	40	4KW (2KW+2KW)	SS 304-L	2.54cm (1")	Aluminium Stucco	PUF	282kg	1.8 m	1.95 m	4 x 5 m
1000 LPD-PR	14	29-30	4 Nos	80	9KW (4.5KW-2NOS)	SS 304-L	2.54cm (1")	Aluminium Stucco	PUF	632kg	1.97 m	2.2 m	4 x 9 m

EVACUATED TUBE COLLECTOR (ETC) SOLAR WATER HEATER TECHNICAL DETAILS (LARGE SCALE SYSTEMS) (HORIZONTAL HEADER AND HORIZONTAL STORAGE TANK)

Model	Utility points	Number of persons using hot water	Number of headers	Number of evacuated tubes*	Back up heater (optional)	Inner tank	Inlet/outlet pipe size of storage tank	Outer cover	Tank insulation	Approx.wt of the storage tank without water	Approx.wt of one header set (one header and 30 tubes) without water	Approx.wt of one complete system with water	System height from the roof	Min. required overhead tank height from the roof	Min.space area reqd. (NS X EW)
1000 LPD	14	29-30	4-5Nos	120-150	9KW (4.5KW-2NOS)	SS 304-L	2.54cm (1")	Aluminium Stucco	PUF	147 kg	106 kg	1632 kg	1.75m	1.9m	4 x 14 m
1500 LPD	21	45	6-8Nos	180-240	9kw (4.5KW-2NOS)	SS 304-L	2.54cm(1")	Aluminium Stucco	PUF	161 kg	106 kg	2286 kg	2.1 m	2.25 m	4 x 17 m
2000 LPD	28	60	8-10Nos	240-300	9kw (4.5KW-2NOS)	SS 304-L	3.81cm(1.5")	Aluminium Stucco	PUF	175kg	106 kg	3375kg	2.1 m	2.25m	6.6x14 m
2500 LPD	35	75	10-12 Nos	300-360	9kw (4.5KW-2NOS)	SS 304-L	3.81cm(1.5")	Aluminium Stucco	PUF	179 kg	106 kg	3650 kg	2.1 m	2.25 m	8 x 14 m
3000 LPD	42	90	12-15 Nos	360-450	9KW (4.5KW-2NOS)	SS 304-L	5.08cm(2")	Aluminium Stucco	PUF	184kg	106 kg	4940kg	2.1 m	2.25m	9.2x14 m
4000 LPD	56	120	16-20 Nos	480-600	13.5KW (4.5KW-3NOS)	SS 304-L	5.08cm(2")	Aluminium Stucco	PUF	219kg	106 kg	6579kg	2.2 m	2.35m	11.6x14m
5000 LPD	70	150	20-25 Nos	600-750	13.5KW (4.5KW-3NOS)	SS 304-L	5.08cm(2")	Aluminium Stucco	PUF	272kg	106kg	8162kg	2.4 m	2.55m	14 x 14 m

*Subject to site conditions

EVACUATED TUBE COLLECTOR (ETC) SOLAR WATER HEATER TECHNICAL DETAILS (LARGE SCALE SYSTEM) VERTICAL HEADER AND VERTICAL TANK

Model	Utility points	Number of persons using hot water	Number of headers	Number of evacuated tubes	Back up heater (optional)	Inner tank	Inlet/outlet pipe size of storage tank	Outer cover	Tank insulation	Approx.wt of the storage tank without water	Approx.wt of one header set (one header and 30 tubes) without water	Approx.wt of one complete system with water	System height from the roof	Min. required overhead tank height from the roof	Min.space area reqd. (NS X EW)
1000LPD	14	30	2 Nos	120	9kw (4.5KW-2NOS)	SS 304-L	2.54cm(1")	Aluminium Stucco	PUF	175 kg	151 kg	1632 kg	2.13 m	2.3 m	4.5 x 8 m
1500LPD	21	45	3 Nos	180	9kw (4.5KW-2NOS)	SS 304-L	2.54cm(1")	Aluminium Stucco	PUF	206 kg	151 kg	2286 kg	2.68 m	2.83 m	4.5 x 12 m
2000LPD	28	60	4 Nos	240	9kw (4.5KW-2NOS)	SS 304-L	3.81cm(1.5")	Aluminium Stucco	PUF	223 kg	151 kg	3375 kg	2.0m	2.15m	8 x 8 m
3000LPD	42	90	6 Nos	360	9KW (4.5KW-2NOS)	SS 304-L	3.81cm(1.5")	Aluminium Stucco	PUF	254 kg	151 kg	4940 kg	2.1m	2.25m	11 x 11 m

ANNUAL SAVINGS WITH THE USE OF V-GUARD SOLAR WATER HEATER

Sl No.	Capacity	Consumption of									
		Electricity*		Diesel		Fire wood		LPG		Coal	
		Per year in unit	Savings/ year in Rs	Per year in l	Savings/ year in Rs	Per year in Kg	Savings/ year in Rs	Per year in Kg	Savings/ year in Rs	Per year in Kg	Savings/ year in Rs
1	100 LPD	2428	7212	244	5626	633	3785	204	4465	583	15514
2	200 LPD	4856	15912	488	12741	1265	9057	408	10418	1166	32515
3	300 LPD	7284	24612	732	19855	1898	14330	612	16371	1749	49517
4	500 LPD	12140	42012	1220	34084	3164	24876	1021	28277	2915	83520
5	1000 LPD	24279	85512	2439	69657	6327	51239	2041	58043	5829	168529
6	2000 LPD	48558	172512	4879	140802	12655	103967	4082	117574	11658	338546
7	3000 LPD	72837	259512	7318	211947	18982	156694	6123	177104	17487	508562
8	4000 LPD	97116	346512	9757	283091	25309	209421	8164	236635	23317	678579
9	5000 LPD	121395	433512	12196	354236	31636	262148	10205	296166	29146	848596
10	10000 LPD	242791	868512	24393	709961	63273	525785	20411	593820	58291	1698680

- Note:
1. The data given above may vary according to the site, solar radiation available, weather conditions and pattern of usage
 2. Savings are calculated by considering the investment on Solar Water Heater, interest on investment, depreciation and maintenance cost.
 - *3. Electricity tariff is calculated as per charges in the State of Kerala, for an average consumption of 401-600 units.
 4. Only 300 days in a year have been taken into consideration. Rest of the days are assumed as cloudy and overcast.

Superiority of Evacuated Tube Technology

Evacuated Tube Collector (ETC)	Flat plate Collector (FPC)
1. Quick heat generation	Slow heat generation
2. Heat absorbing surface is always perpendicular to the sun-rays because of the cylindrical collector glass tube. Hence peak absorption always.	The collector fins and tubes being flat, the incident sun-rays will be at 90 degrees only at noon. So the peak absorption is also only during this time.
3. Vacuum inside the collector tube reduces heat loss at night	Heat loss will be more in collector panels at night.
4. Negligible scaling of tubes - can be cleaned manually (Inner dia 37 mm). Consequent loss of efficiency is minimum.	Heavy scaling of copper tubes which cannot be cleaned manually as bore dia is 12.50mm, causing substantial loss in the efficiency of the system.
5. Satisfactory performance in cold conditions.	Performance falls significantly on cloudy and winter days
6. Increment in temperature from ambient temperature is 10°C to 50°C on clear sunny days.	Increment in temperature from ambient temperature is 10°C to 40°C on clear sunny days
7. Advanced technology at a competitive price	Outdated technology, high price.
8. Less area required for installation	Unit occupies huge area
9. In case of collector tubes damage, tubes can be replaced individually.	Entire glass has to be replaced in case of damage, high cost for replacement.



Factory



Solar pool heating system (100000 Lpd) installed at Wonderla Amusement Park, Bangalore

Authorised DMA/Dealer:

ALTERNATIVE ENERGY SYSTEMS
3-13-114, Street No.2, Srinivasapuram
Ramanthapuram, Hyderabad - 500 015

V-GUARD INDUSTRIES LTD.,

Solar Division: Palakkad Main Road,
K.G. Chavadi, Coimbatore - 641105.
Ph: 0422-2656302, 2656553.
Telefax: 0422-2656301.
Visit us at: www.vguard.in

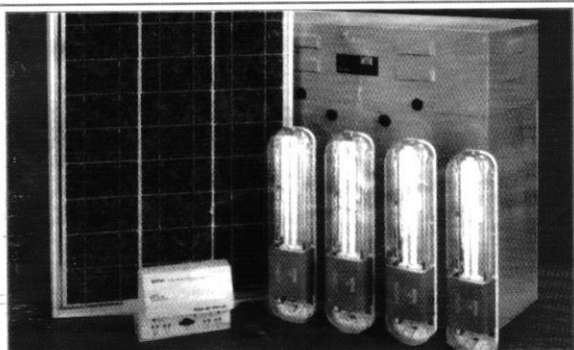
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Registered Office: 33/2905 F, Vennala High School Road, Vennala, Kochi, Kerala - 682 028. Ph: 0484-3095000.



V-GUARD

Solar Water Heater

BRIGHTENING YOUR HOME BRIGHTENING YOUR WORLD



Jugnu Solar Home Lighting System

- Packaged 12 V Systems containing Solar Module, Battery, Regulator, High Efficiency Electronics and Luminaries
- Ready -to-use Kit : easy to install and use negligible maintenance
- MNES Approved Models
- System Autonomy for "No Sunshine" days
- Available in various Models

Margadeep solar street lighting systems

For roads, yards, colonies and townships

- PL -11 and SOX Lamp
- High efficiency PV Batteries
- Galvanised Steel Pole
- Autonomy for "No Sunshine" Days
- Auto ON/OFF, dusk to dawn operation
- MNES/SEC Approved Models.

Tata BP Solar has supplied several thousand Street lighting Systems to Government Departments Nodal Agencies, Corporate Companies, NGOs, Tea Plantations, ext.



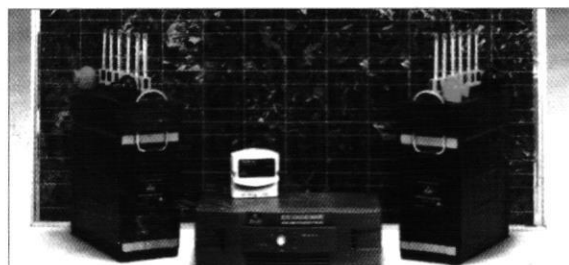
Tatadeep Solar Lanterns

- Ideal portable lighting system
- Bright, omni - directional light anytime, anywhere
- Charging via Solar Module-or AC mains using optional Solarmite Charger
- 3/5 hours of continuous bright light on single charge for MK 3 model and 2hours of light for MK 4 Model.
- Over 50,000 Lanterns already supplied in India and abroad.

Presenting
Bright Ideas
From
Tata BP Solar

EcoGenie Solar Power Pack

- Designed to power lights, Fans and TV
- Specially designed for Indian operating conditions
- Modular design : option of adding on Solar Modules up to 600Wp
- Works on both Solar & AC Mains Power
- Provides protection against Over Load, Short Circuit, Battery Deep Discharge & Over Charge



Solar Solutions from Tata BP Solar - A 100 % Solar Company!

A pioneering, customer-centric organization, Tata BP Solar - India's largest Solar Company, constantly designs and develops innovative products that are best suited to your needs. These high quality, value-for-money products are backed by excellent nationwide sales and service support. Tata BP Solar is a joint venture between **Tata Power Company Ltd.**, a pioneer in the power sector in India and **BP Solar**, one of the largest Solar Companies in the world.



TATA BP SOLAR INDIA LIMITED

SHYAM DULANI

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Dealer :

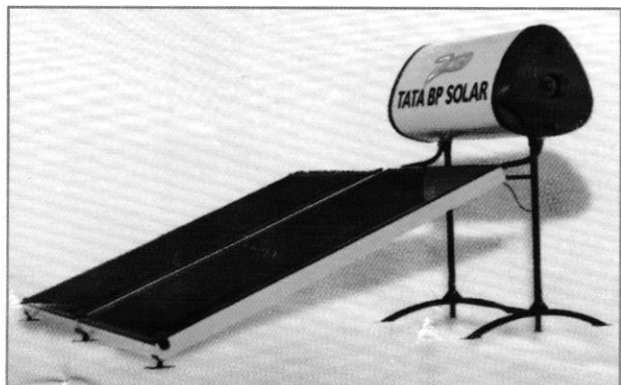


CHOICE SOLUTIONS LIMITED

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IPS Colony, Jubilee Hills,
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Tel : +91 40 2354 6100
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Web : www.choice-solutions.com

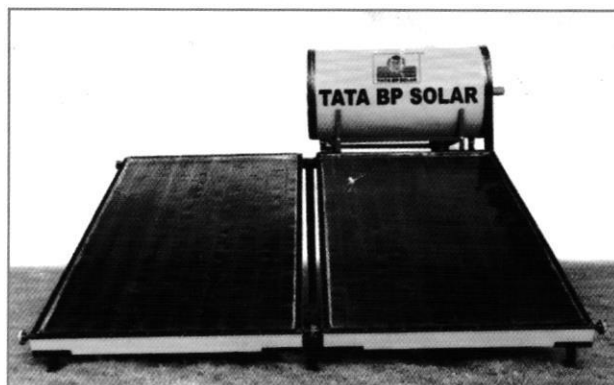
Due to continuous developments and product improvement, the Company reserves the right to change/after the specifications

SAVE ELECTRICITY. SAVE MONEY SAVE THE ENVIRONMENT



Zing 200 LPD Domestic Water Heating System

- ▶ Puf - Insulated Tank
- ▶ New, Innovative Tank Shape
- ▶ Unique Tank & Collector Support Structure
- ▶ Sacrificial Anode To Prevent Galvanic Corrosion
- ▶ Ultrasonic Welding Of Collectors For Superior Conductivity
- ▶ 3 Dimensional Polymer End Cap
- ▶ Unique "Anti Condensation " Device
- ▶ Available In Capacities Of 100, 200 And 300 LPD.



Vajra 200 LPD Solar Water Heating System

- ▶ Insulated stainless steel tank
- ▶ Easy to install-minimum external piping
- ▶ Sacrificial Anode
- ▶ Tough, durable and efficient
- ▶ Available in capacities of 100, 200 , 300 and 500 LPD

Also Available Pressurised Systems.

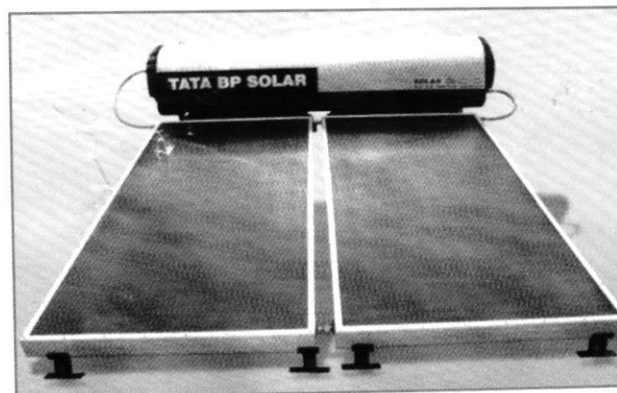
Solar Water Heating Systems From Tata BP Solar

Vajra Industrial Water Heating Systems

- ▶ 750 LPD to higher capacities
- ▶ Thermosyphon & Forced Circulation Systems
- ▶ Custom-made design to suit specific application
- ▶ Ideal for: schools, colleges, Hostels, Canteens, Hotels & Resorts, Apartments, Hospitals, Dairies and Various Industries

300 LPD Vajar International Solar Water Heating Systems

- ▶ Sleek, stylish and contemporary, with silver and black pre-coated Finish
- ▶ High-grade Stainless Steel tank with PUF Insulation
- ▶ Flushed Heater Caps, Anode and Air Release Valve
- ▶ Unique Heat Exchanger Design
- ▶ Collectors designed and developed to operate at optimum efficiency.



FOR COLD CLIMATES AND HARD WATER APPLICATIONS, ASK FOR HHC SPECIAL WATER HEATING SYSTEMS

**SPREADING COMFORT
PLUS HAPPINESS**



Domestic Solar Water Heating Systems

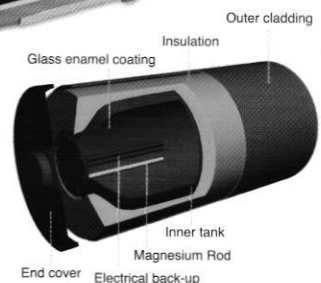


We at Emmvee keep evolving like the sun to bring powerful energy-efficient solutions into your life. Our cost effective solar products not only help you save money by cutting down on your electricity costs, but also provide a pollution free, clean and healthy environment for a greener tomorrow. Your investment in our renewable energy solution is recovered within a span of 3-4 years, as you stand to gain a savings of up to 40% in electricity consumption alone, year after year.

Now discover the benefits of Solarizer Plus, which is futuristically engineered to address all your water heating needs. This product is designed to deliver optimum amount of hot water for most part of the year. It is a renewable solution you can confidently rely on. So why wait any longer, install one in your home today.

Features:

- BIS approved Flat Plate Collector
- Selectively coated Black Chrome Absorber
- PP coated Collector Frame *polyester powder coated*
- Glass Enameled Scale Resistant Steel Tank
- High Pressure Tank tested at 10 bar
- Sacrificial Anode to prevent Galvanic Corrosion
- CFC free PUF insulation *(yellow color)*
- Pure Polyester Coated Cladding
- ● 2kW Electrical Heater backup with built-in thermostat
- Sturdy Powder Coated tank stand and Collector legs
- Unique heat exchanger design for cold climate and hard water application
- Capacity range - 100 LPD to 500 LPD (Litres per day)



Peace of mind



Best protection against corrosion



Best for high pressure bath for relaxation



Hygienic



B.No 18 - P.H.S



Features:

- BIS approved Flat Plate Collector
- Selectively coated Black Chrome Absorber
- Pure Polyester coated Collector Frame
- Stainless Steel 304 Grade Tank
- Gravity Feed Pressure
- Sacrificial Anode to prevent Galvanic Corrosion
- CFC free PUF insulation
- Stainless Steel Cladding
- 2kW Electrical Heater backup with built-in thermostat
- Sturdy Powder coated Tank stand and Collector legs
- Capacity range - 100 LPD to 500 LPD (Litres per day)



6085569



EMMVEE SOLAR SYSTEMS PRIVATE LIMITED

Email: info@emmvee.in Website: www.emmveesolar.com

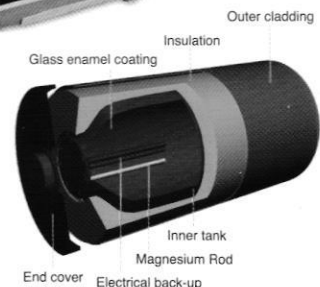
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Peace of mind



Best protection against corrosion



Best for high pressure bath for relaxation

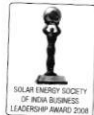


Hygienic



Features:

- BIS approved Flat Plate Collector
- Selectively coated Black Chrome Absorber
- Pure Polyester coated Collector Frame
- Stainless Steel 304 Grade Tank
- Gravity Feed Pressure
- Sacrificial Anode to prevent Galvanic Corrosion
- CFC free PUF insulation
- Stainless Steel Cladding
- 2kW Electrical Heater backup with built-in thermostat
- Sturdy Powder coated Tank stand and Collector legs
- Capacity range - 100 LPD to 500 LPD (Litres per day)



EMMVEE

EMMVEE SOLAR SYSTEMS PRIVATE LIMITED

Email: info@emmvee.in Website: www.emmveesolar.com

Due to continuous development and product improvement, the company reserves the right to alter/change the specifications.

**SPREADING COMFORT
PLUS HAPPINESS**



Domestic Solar Water Heating Systems



Client :

THE DIRECTOR
M/s.MODI PROPERTIES AND INVESTMENTS PVT LTD
Secunderabad.Andhra Pradesh, India

Contact person :
Mr. Srinivas
Manager Purchase.

**Techno Commercial Proposal For Supply of
200 LPD Are 300 LPD “ Solarizer Plus ” Solar Water Heating System
(SWHS) 10 Kg/Cm2 Pressurized Type, Solar Water Heating Systems.**

List of Enclosures

- ❖ Covering Letter
- ❖ Design Data
- ❖ Company Profile
- ❖ Technical Specifications
- ❖ Commercial Offer
- ❖ Esteemed Clientele

Submitted by:

M/s. EMMVEE SOLAR SYSTEMS PVT. LTD.

Corporate Office:

“Solar Tower”, No.55, 6th Main, 11th Cross
Lakshmaiah Block, Ganganagar
BANGALORE – 560 024

CTC:

S. N. Beeresh Kumar / **Mr.Sham Dhulani (Hyderabad)**
M : 09980518195 / 9010169100.



Ref : ESSPL/BK/2011-12/180

5th September, 2011

THE DIRECTOR
M/s.Modi Properties And Investments Pvt Ltd.
Secunderabad,
Andhra Pradesh, India

Kind Attn. : Mr.Srinivas – Manager Purchase.

Sub: TECHNO COMMERCIAL PROPOSAL for Design, Manufacture, Supply Of EMMVEE Make Solar Water Heating System (SWHS) Of assorted capacities 200 LPD Are 300 LPD (Liters Per Day) "Solarizer Plus "10 Kg/Cm2 Pressurized Solar water heating systems for your M/s.Silver Creek Project (89 Villas) And M/s.Nilgiri Homes (95 Villas) for Bathing Purpose.

Respected Sir,

With reference to the above subject item, we thank you very much for the valuable enquiry & for providing us an opportunity to serve your esteemed organization.

In line with the discussion had with our Mr.Sham Dhulani, following is the brief description of our techno commercial proposal submission for the subject requirement :-

- As advised and recommended by you hear by we proposed following system configuration.

DESIGN DATA					
Building Desc.					
Sl. No.	Project Name	Application	Solar Hot Water Envisaged (LPD)	Solar Hot Water Recommended (LPD)	Solar Water Heating System (SWHS) Configuration
1	Silver Creek (89 VILLAS)	Bathing	200 @ 60 Deg. C. 300 @ 60 Deg. C.	200 LPD ARE 300 LPD	200 LPD x 89 Nos ARE 300 LPD x 89 Nos
2	Nilgiri Homes (95 VILLAS)	Bathing	200 @ 60 Deg. C. 300 @ 60 Deg. C.	200 LPD ARE 300 LPD	200 LPD x 95 Nos ARE 300 LPD x 95 Nos

- The proposed SWHS is based on Pressurized 10 Kg/Cm2 Pressure based operation and the design configuration given above is in tune with the same.
- In this principle called "THERMOSYPHON" (Natural circulation) And PRESSURISED Due to density difference between the cold & hot water, the lighter hot water flows up into the tank and the heavier cold water enters the solar flatplate collector. The circulation in the system during the heating process is purely due to the difference of density only. There is no other mechanical moving part, hence the system reliability is very high.
- Our battery limits are inter piping connection between the Flat Plate Collector Bank and the Hot Water Storage Tank.



- To generate hot water during non-sunny days, the system is provided with **electric heating element with built-in thermostat as a backup**.
- Piping connectivity of feed water to the SWHS and outlet from the same to the utility line is in customer scope. Cost of cold water piping, hot water piping, gate valves and taps as may be required for input/distribution line are not in our scope of supply.
- Any additional civil work/ structural work are under customer scope.

Herewith enclosed is our techno-commercial offer for the subject item.
Trust our submissions are in line with your requirements and meet your expectations.

We look forward to your valuable order confirmation and enable us contribute our mite to the noble mission of creating **eco-friendly & cost-effective buildings**.

Contact the u/s for clarifications, if any.

Thanking you and assuring you of our best attention and services at all times, we remain,

Yours truly,

For Emmvee Solar Systems Pvt. Ltd.

S. N. Beeresh Kumar
Divisional Manager – Sales & Marketing AP Division.
H/P : 09980518195



COMPANY PROFILE

EMMVEE, established in 1992, is one of the leading brands & largest manufacturer of Solar Water Heating Systems, Lighting Systems and Solar Photovoltaic modules. With its commitment towards quality and reliability **EMMVEE** has become a household name in the Indian Solar industry. **We are an ISO 9001-2008 certified company. Our consistent effort towards environmental conservation has won us ISO 14001 – 2004 certification.** We are also the approved suppliers of **MNRE** (Ministry of New and Renewable Energy, Govt. of India).

The Solar Water Heating Systems manufactured by us are marketed under the brand name “**Solarizer**”. We are a team of well-trained staff with technical expertise to respond to the needs of customers, in customizing the product to meet specific requirements and to take care of after sales service.

In order to have greater market reach we have diversified into manufacturing of Photovoltaic modules as per international standards. With an installed capacity of 135MW, State of the art Export Oriented Unit (EOU) facility for manufacturing high quality Mono / Poly Crystalline Photovoltaic Modules, We are very well equipped to produce Solar Modules from 10 Wp to 250Wp. **Our modules are certified by TÜV as per IEC 61215 Ed 2 & also IEC 61730 – PV module safety qualification.**

With world – class solar products manufactured at its state of the art manufacturing facility at Bangalore & its nationwide dealer network with its regional offices at strategic locations, **EMMVEE** is the preferred choice when it comes to giving their customer the best. Our products are approved by BIS, DGS & D, MNRE & IREDA and also eligible for soft loans.

We have state of the art Glass Toughening facility. All our glasses for domestic market of both Solar Thermal & PV products are processed in-house. We do also cater to sectors like Construction, Commercial Buildings, Furniture & Engineering industry.

With a manufacturing capacity of 5000 collectors per month, we are the undisputed leaders in the manufacturing of solar water heating systems.

Also very recently, our company was **awarded the Second prize by MNRE for Solar Water Heater Manufacturer (2002 - 07) presented by Smt. Pratibha Devisingh Patil, Hon'ble President of India and SESI –BUSINESS LEADERSHIP AWARD -2008 presented by Mr. S. Raghupathy, Hon'ble Minister for State Environment and Forest on 16.10.2008 at Chennai.**

We have a technical tie up with M/s **Solar Cap**, a leading Denmark based company to produce high quality Solar Water Heating systems for both domestic and export market.

Apart from the details which we have furnished the above products has been tested and approved by **ETDC/CPRI/MNRE/State Nodal Agencies.**

We also undertake Design, Supply, Install, Commission and after sales service for Off-Grid & Decentralized and Rooftop & Solar MW projects as per site and customized requirements.



EMERGING INDIA AWARD

EMMVEE Group – Generation Next India's Business Leader



Our Group Company EMMVEE Toughened Glass and Photovoltaic bagged the Emerging India Award for the best performing SME in Power and Telecommunications space from ICICI Bank Business Banking and CNBC- TV18 powered by CRISIL.

This award is given to nation's best SME who exhibit world-class leadership, outstanding business acumen, best practices and exemplary vision, creating a legacy for others to emulate.



EMMVEE Group Managing Director, Shri D. V. Manjunatha receiving the prestigious award in Macau



COMMERCIAL PROPOSAL							
EMMVEE Make Solar Water Heating System							
Client : M/s. Modi Properties And Investments Pvt Ltd. Secunderabad, Andhra Pradesh, India							
Sl. No.	Description	UOM	System Configuration on Unit Set		No. of FPCs	Config. Set Unit Rate (`)	TOTAL (`)
			Capacity (in LPD)	Qty			
1.1	Design, Manufacture, Supply of EMMVEE Make 200 LPD Capacity “Solarizer Plus ” 10Kg /Cm2 Pressurized Solar Water Heating System @ 60 Deg. C,	Set	200	89	-	44,400.00	39,51,600.00
2	SUBTOTAL - 1						39,51,600.00
3	Taxes: Extra as applicable, Currently, Interstate Tax, CST @ 5%						1,97,580.00
4	SUBTOTAL - 2						41,49,180.00
5	Total Solar Flat Plate Collectors in the Project (in Nos.)						
6	Capital Subsidy Boundary Condition under MNRE's JNNSM Scheme, Govt. of India as mentioned below WHICHEVER IS LESS						
	6.1	Condition 2 : 30% of the Basic Cost (Sl.No.2)				11,74,380.00	
	Accepted Capital Subsidy Boundary Condition Value					11,74,800.00	
7	TOTAL PROJECT COST (Sl.No.04 - Sl.No.06)						29,74,380.00
In words	INR TWENTY NINE				LAKH		
	SEVENTY FOUR				THOUSAND		
	THREE				HUNDRED		
	EIGHTY				UNIT ONLY.		

Documents Required for claiming Capital Subsidy Amount from MNRE.

- 1) Address Proff : Electricity Bill Are Property Tax paid receipt.
- 2) Id Proof : Voter Id Are Pan Card.



COMMERCIAL PROPOSAL							
EMMVEE Make Solar Water Heating System							
Client : M/s. Modi Properties And Investments Pvt Ltd. Secunderabad, Andhra Pradesh, India							
Sl. No.	Description	UOM	System Configuration on Unit Set		No. of FPCs	Config. Set Unit Rate (`)	TOTAL (`)
			Capacity (in LPD)	Qty			
1.1	Design, Manufacture, Supply of EMMVEE Make 300 LPD Capacity “ Solarizer Plus ” 10Kg /Cm2 Pressurized Solar Water Heating System @ 60 Deg. C,	Set	300	95	-	65,500.00	62,22,500.00
2	SUBTOTAL - 1						66,22,500.00
3	Taxes: Extra as applicable, Currently, Interstate Tax, CST @ 5%						3,11,125.00
4	SUBTOTAL - 2						69,33,625.00
5	Total Solar Flat Plate Collectors in the Project (in Nos.)						
6	Capital Subsidy Boundary Condition under MNRE's JNNISM Scheme, Govt. of India as mentioned below WHICHEVER IS LESS						
	6.1	Condition 2 : 30% of the Basic Cost (Sl.No.2)				18,66,750.00	
	Accepted Capital Subsidy Boundary Condition Value					18,66,750.00	
7	TOTAL PROJECT COST (Sl.No.04 - Sl.No.06)						50,66,875.00
In words	INR FIFTY				LAKH		
	SIXTY SIX				THOUSAND		
	EIGHT				HUNDRED		
	SEVENTY FIVE				UNIT ONLY.		

Documents Required for claiming Capital Subsidy Amount from MNRE.

3) Address Proff : Electricity Bill Are Property Tax paid receipt.

4) Id Proof : Voter Id Are Pan Card.



TERMS AND CONDITIONS :		
1	Price Basis	Suplay up to M/s.MODI Propertise Site And Installation of solar water heating systems.
2	Freight	Included in the offer.
3	Taxes	Extra, as applicable. Currently, CST @ 5% as shown in the above commercial proposal. Any variation in the Tax component at the time of dispatch will be charged extra to your account.
4	Delivery	2 to 3 weeks from the date of receipt of techno-commercially clear Purchase Order with advance
5	Payment Terms	60% Advance along with Purchase Order. 30% Against Delivery. 10% Balance against commissioning of the systems.
6	Warranty	Five Years from the date of commissioning for Hot water Storage Tank. And One year for Solar FPC Collectors,
7	Warranty Exclusions	FPC Glass Pane, Electric Heating Element and Rubber Gasket Components.
8	Civil, Plumbing and Fabrication Works	Under Customer Scope.
9	Validity	10 days from the date of offer.
10	Force majeure clause	This proposal and resulting contract are subject to standard force majeure clause

Trust our proposal is in-line with your requirements and meets your expectations.
Contact for clarifications, if any.

We look forward to your valuable purchase order confirmation and enable us contribute our mite to the noble mission of creating **eco-friendly & cost-effective buildings**.

Thanking you and assuring you of our best attention and services at all times, we remain,
Yours truly,

For Emmvee Solar Systems Pvt. Ltd.

S. N. Beeresh Kumar
Divisional Manager – Sales & Marketing AP Division.
H/P: 09980518195.



ANDHRAPRADESH

SOME OF OUR PRESTIGIOUS CUSTOMERS AT ANDHRA PRADESH ARE :

01.M/s.Splendid Aparna Projects Pvt . Limited, Hyderabad (300 LPD PR x 335 No's Instoled At VILLA'S Project)	- 105000 LPD
02.M/s.Tirumala Tirupathi Devasthanam, Tirumala	- 125000 LPD
03.M/s. Aliens Group Infra Private Limited, Hyderabad	- 70500 LPD
04.M/s.Thirumala Constructions , Kondapur Hyderabad	- 32000 LPD
04.M/s. Yeshodha Hospital,Kondapur Hyderabad	- 32000 LPD
05.M/s. RGM GROUP OF Intuitions , Nandyala	- 20000 LPD
05.M/s. INDUS Hostal , Kurnool	- 17000 LPD
06.M/s.Srivari Seva Sinidhi,Tirupathi	- 12000 LPD
07.M/s. Birla Instute Of Technology & Science , Hyderabad	- 12000 LPD
08.M/s .K. Krishna Reddy Contractors, Hyderabad	- 11500 LPD
09.M/s. Sri Lakshmi Constructions, Hyderabad	- 10000 LPD
10.M/s. G.M.R Group, Ananthpur	- 10000 LPD
11.M/s. Swatantra Hospital , Rajamoundry	- 10000 LPD
11.M/s. Sidhrtha Academy of Medical Science, Vijayawada	- 9000 LPD
12.M/s.Pragathi Resorts, Hyderabad Pressurized	- 8000 LPD
13.M/s. Aliens Develiopers Private Limited,Hyderabad Pressurized	- 7000 LPD
14.M/s.KIMS , Amalapuram	- 7000 LPD
15.M/s.Geethangali educational society , Ragahmoundry	- 7500 LPD
14.M/s. South Central Railway's,GNT,NDR,RGT,TPT,	- 6000 LPD
15.M/s. Siva Sivani International School, Secunderabad	- 6000 LPD
16.M/s. Hanuman Constructions,Tenali	- 5500 LPD
17.M/s. G.M.R Group,Ananthpur	- 5000 LPD
17.M/s. Kanakadhara Ventures Pvt Ltd ,Hyderabad (Pr - He)	- 5000 LPD
18.M/s. Reliance Industries Limited, Kakinada	- 5000 LPD
19.M/s. Navatha Transport Vishakapatnam.	- 5000 LPD
20.M/s. A.B.C Towers, Tadepalli	- 4500 LPD
21.M/s.Gayethri Hospital , Kukatpalli ,Hyderabad	- 5000 LPD
22.M/s.ABC Constructions,Guntur	- 4500 LPD
23.M/s.Sai Maharaja Villas,Ongole	- 4500 LPD
24.M/s.Shanti Dhama Vrudhashrama,Mantralayam	- 4500 LPD
25.M/s.Sai Teja Constructions,Guntur	- 4000 LPD
26.M/s.Vijaya Durga Residency, Guntur	- 4000 LPD
27.M/s.Anjaneya Arcade, Guntur	- 4000 LPD
28.M/s.Hotel Urvashi International,Ongole	- 4000 LPD
29.M/s.Kuppam Engineering Collage,Kuppam	- 3500 LPD
30.M/s.Hotel Time Square , Hyderabad Pressurized	- 3000 LPD
31.M/s.Sri Tirumala Sai Hotels (P) ltd,Hyderabad. Pressurized	- 3000 LPD
32.M/s Hotel Sai Selections, Puttaparthi	- 3000 LPD
33.M/s.Hotel Anupama Guest House,Hyderabad	- 3000 LPD
34.M/s.Vasavi Chathram , Manthralayam	- 3000 LPD
35.M/s.Sri Lakshmi Constructions,Ongole	- 3000 LPD
36.M/s.Hotel Sarovar,Vishakapatnam	- 3000 LPD
37.M/s.Sri Sathyasai Constructions,Guntur	- 3000 LPD
38.M/s.Prestige Constructions, Vijayawada	- 3000 LPD
39.M/s.Sathyavani Homes , Hyderabad	500 LPD x 15 Nos
40.M/s.Pragathi Resorts ,Hyderabad	200 LPD x 25 Nos

**Educational Institutions / Hostel:**

JSS Maha Vidyapeetha, Suttur Mutt, Mysore	- 78000 LPD
Karnataka University, Dharwad	- 60000 LPD
Devaraj Urs Group of Institutions, Kolar	- 60000 LPD
University of Agricultural Sciences (GKVK), Bangalore	- 70000 LPD
Tamilnadu State Govt.Backward & Schedule Caste Hostels	- 43000 LPD
Govt. Juvenile Home for Boys, Bellary	- 25000 LPD
Sainath Education Trust, Bangalore	- 29000 LPD
Backward Classes & Minorities Hostels, Davangere	- 21000 LPD
Social Welfare Department Hostels, Mysore	- 18500 LPD
M.S. Ramaiah Educational Institutions, Bangalore	- 29000 LPD
Nagarjuna Institute of Technology, Bangalore	- 14100 LPD
Rukmini Educational Charitable Trust, Girls Hostel, Bangalore	- 14000 LPD
Backward Classes & Minorities Hostels, Mysore	- 13000 LPD
R.N.S. Institute of Technology, Bangalore	- 7500 LPD
Francs Xavier Convent, Bangalore	- 7500 LPD
Sir M. Vishweshwaraiah Institute of Technology, Bangalore	- 7000 LPD
Ghousia College of Engineering, Ramnagara	- 6000 LPD
Social Welfare Department Hostels, Bangalore	- 6000 LPD
K.N.S. Institute of Technology, Bangalore	- 5500 LPD
Ambedkar Institute of Technology, Bangalore	- 4000 LPD
MVM Suma Educational Trust Yelahanka, Bangalore	- 4000 LPD
Tata Institute of Fundamental Research, Bangalore	- 3750 LPD
Prince Shivaji Maratha Boarding House Girls Hostel, Kholapur	- 6000 LPD
Indian Institute of Management, Bangalore	- 3000 LPD
Oxford College of Engineering, Bangalore	- 3000 LPD
Saraswathi Education Trust, Bangalore	- 3000 LPD
Bharathiya Grameena Mahila Sangha, Bangalore	- 3000 LPD
Kittur Rani Chennamma Hostel, Dharwad	- 3000 LPD

Hospital / Medical Institution:

Jalappa Medical Hospital, Bangalore	- 25000 LPD
KLE Society's J.N.Medical College, Belgaum	- 40000 LPD
St. John's Medical College & Hospital, Bangalore	- 38000 LPD
Father Mullar Charitable Institutions,Mangalore	- 34250 LPD
M/s Yashodha Hospital,Hyderabad	- 32500 LPD
Sri Jayadeva Institute of Cardiology,Bangalore	- 31000 LPD
Sri Ramachandra Medical College Hospital, Chennai	- 22000 LPD
Kempegowda Institute of Medical Sciences (KIMS), Blr	- 10000 LPD
MVJ College of Medical Sciences,Hosakote.	- 11000 LPD
Sidharth Institute of Medical College, Vijayawada	- 9000 LPD
Indira Gandhi Childern Hospital, Bangalore	- 8500 LPD
Kerala State Co-Operative Hospital, Complex and Center for Advanced Medical Science Ltd.	- 8000 LPD
Wockhardt Hospital Ltd., Bangalore	- 7750 LPD
Gokulam Hospital, Salem	- 7000 LPD
Kidwai Memorial Institute of Oncology, Bangalore	- 6750 LPD
Sanjay Gandhi Hospital, Bangalore	- 5000 LPD



Sree Narayane Trusts Medical Mission-Kollam,Kerala	- 5000 LPD
Mother Hospital (P) Ltd., Kerala	- 4000 LPD
West Fort Hi-Tech Hospital Ltd, Thrissur	- 4000 LPD
Sankar Shashtyabdapoorathi Memorial Hospital, Kollam	- 3000 LPD

Socail Welfare / Socieries / Ashrams, etc.:

Tirumala Tirupathi Devasthan, Tirupati	- 124000 LPD
Sri Kasi Annapurna Vasavi Arya Sri Rama Charitable Trust,Tirupathi	- 11000 LPD
Jyothi Seva Society, Bangalore	- 4800 LPD
Arya Vyshya Seva Sanga, Mantralaya, Andhra Pradesh	- 7250 LPD
Dept. of Women & Children Welfare, Bellary	- 2500 LPD
Govt.Junior Bala Mandira, Bellary	- 2500 LPD
Alfansio Society, Bangalore	- 2200 LPD
Sevasadan Orphanage, Bangalore	- 2000 LPD
Kaigarika Adharita Balakara Sarkari Bala Mandira, Gadag	- 2000 LPD

Institutional / Manufacturing:

Mysore Paper Mills, Bhadravathi	- 15500 LPD
S P Apparels, Coimbatore	- 15250 LPD
ITC Group, Bangalore	- 15000 LPD
Karnataka Land Army Corporation, Gulbarga	- 14000 LPD
Karnataka Silk Industries Corporation, Mysore	- 12000 LPD
Isha Foundation, Coimbatore	- 11500 LPD
Central Public Works Department, Bangalore	- 5500 LPD
P.S.B. Industries, Vishakhapatnam	- 5000 LPD
Kamala International, Kerala	- 4500 LPD
Hewlett Packard India Sales Pvt. Ltd., Bangalore	- 4000 LPD
Goutham Electricals, Bangalore	- 3000 LPD
Sai Selection, Puttaparthi	- 3000 LPD
Wipro Guest House, Bangalore	- 2500 LPD
ING Vysya Bank Ltd.,Staff Training College, Bangalore	- 2000 LPD

Hotels:

Nalpad Hotels Pvt Ltd, Bangalore	- 19000 LPD
Fountain Hotel, Mahaballeshwar	- 17500 LPD
Bharath Group of Hotels, Konakone, Goa	- 9000 LPD
Premier Hotel, Karwar	- 8000 LPD
Hotel Sagari, Bangalore	- 6000 LPD
Ajantha Paradise, MG Road, Bangalore	- 6000 LPD
Hotel Sandesh Pvt.Ltd - Mysore	- 6000 LPD
Madhupa Lodge, Bangalore	- 5000 LPD
SOMAYAJI HOTEL PVT LTD., Bangalore	- 5000 LPD
Hotel Prabha International, Bangalore	- 5000 LPD
Hotel International, Goa	- 5000 LPD
Royal Maizons Lake View Resort, Goa	- 4850 LPD
HOLIDAY PALMS, (HOTEL PUSHPAMALA) BLR	- 4000 LPD
Hotel Saket, Mahabaleshwar	- 4000 LPD



Royal Conforts, Bangalore

- 4500 LPD

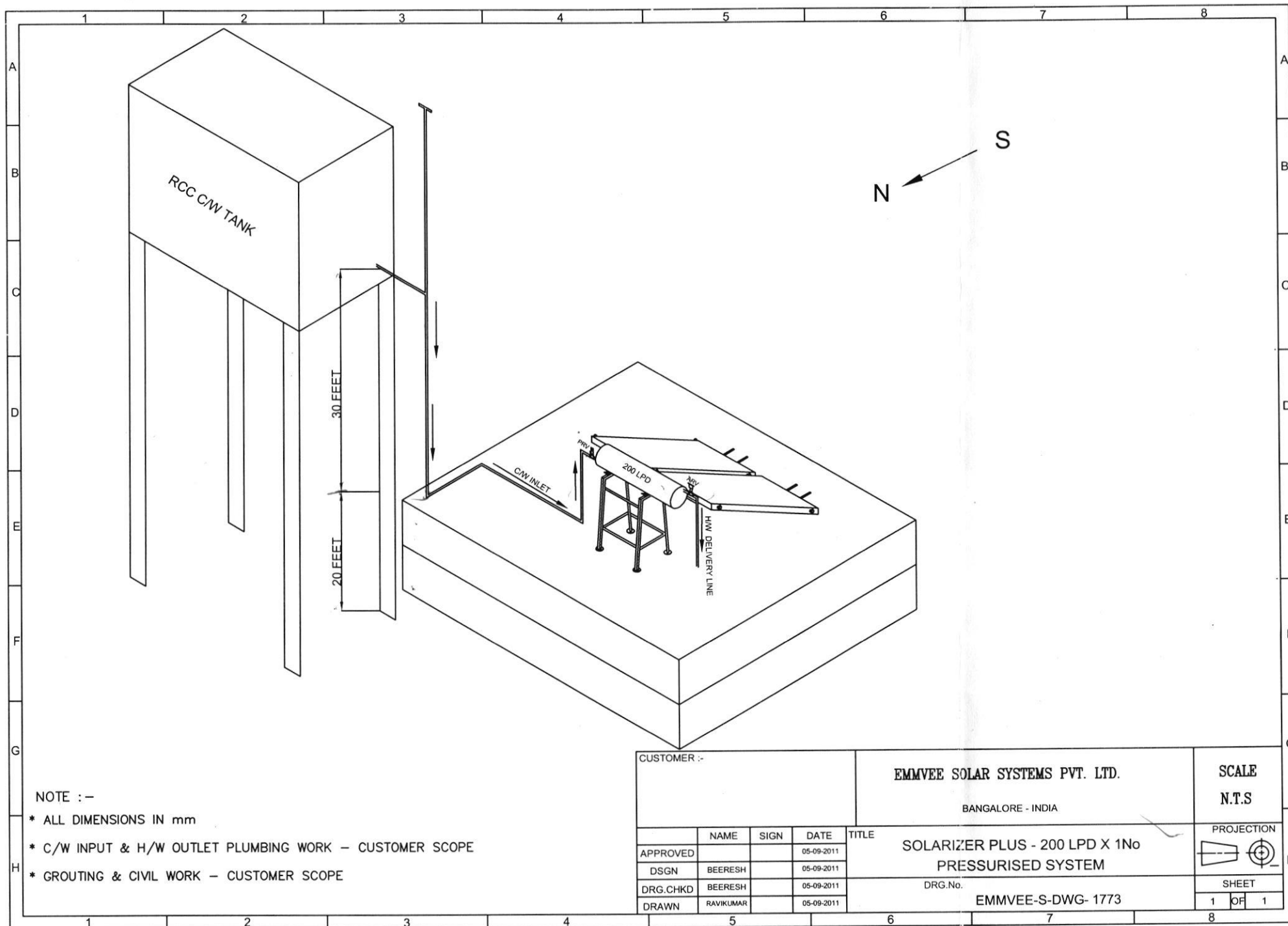
Shri Adigas Hotel, Bangalore	- 4000 LPD
Hotel Yashoda Towers, Hosur	- 3500 LPD
Hotel Sony Palace, Kolhapur	- 3000 LPD
Hotel New Pride, Sangli	- 3000 LPD
Rejesh Delux, Kolhapur	- 2000 LPD
Hotel Manorama and Jayashree Nurshing,Mangalore	- 3400 LPD
Durgamba Lodging, Bangalore	- 3000 LPD
Hotel Krishna, Bangalore	- 3000 LPD
Anand Residency , Bangalore	- 2500 LPD
Hotel Selvam, Salem	- 2500 LPD
Comforts , Bangalore	- 2000 LPD
Lalit Mahal Palace, Bangalore	- 2000 LPD
Hotel Manasa, Bangalore	- 2000 LPD
Radhakrishna Lodge, Bangalore	- 2000 LPD
Hotel Atish, Goa	- 2000 LPD
Hotel Neptune,Goa	- 2000 LPD
Hotel Vyshk,Mysore	- 2000 LPD
Sudarshan Lodge, Hosur	- 2000 LPD
Hotel Sona, Coimbatore	- 2000 LPD
Hotel Lalit Mahal Palace,Tamilnadu	- 2000 LPD
Vikram Lodge, Tirupur	- 2000 LPD
Hotel Sharon, Bangalore	- 1800 LPD
Magji Residency, Bangalore	- 1750 LPD
Tirumala Paradise, Bangalore	- 1600 LPD
Hotel Ganesh Mahal, Bangalore	- 1500 LPD
Tirumala Inn, Bangalore	- 1500 LPD
Hotel Vishnu, Bangalore	- 1500 LPD
Hotel Yashodha Towers, Hosur	- 1500 LPD
R.K. Lodge, Coimbatore	- 1500 LPD
Hotel Kritika Palace, Salem	- 1500 LPD
Sanpurna Lodge, Coimbatore	- 1500 LPD
Hotel Mayura Bhuvaneshwari(KSTDC),Kamalapur Hospet	- 1250 LPD
Hotel GLM Meridian, Chennai	- 1250 LPD
Hotel Maruti,Rajasthan	- 1200 LPD
Hotel Nirmal, Siddapura	- 1000 LPD
Tirumala Lodge, Bangalore	- 1000 LPD
Rima International, Bangalore	- 1000 LPD
Balaji International, Bangalore	- 1000 LPD
Hotel Shivalaya,Bangalore	- 1000 LPD
Hotel City Meridian(Deluxe Lodge),Bangalore	- 1000 LPD
Shivganga Deluxe Lodge, Bangalore	- 1000 LPD
R. R. Comforts Deluxe Lodge, Bangalore	- 1000 LPD
Hotel Nest,Bangalore	- 1000 LPD
Surya Hotel , Ankola	- 1000 LPD
Dr. Cellar Clinic, Coimbatore	- 1000 LPD
Hotel Annamalai, Coimbatore	- 1000 LPD
Hotel Karpagam International, Chennai	- 1000 LPD

**Govt. Departments:**

Northern Command	- 125500 LPD
CPWD, MP Flats at North Avenue, New Delhi	- 127200 LPD
CPWD, MP Flats at BKS Marg, New Delhi	- 30400 LPD
MP's Bungalows (Lok Sabha) New Delhi	- 45000 LPD
Air Force, Ambala Cantt.	- 12000 LPD
Guru Gobind Singh Hospital, New Delhi	- 10500 LPD
Sashastra Seema Bal, Ghitrani	- 10400 LPD
Air Force , Gurgaon	- 5400 LPD
NCC, New Delhi	- 4400 LPD
Aruna Asif Ali Govt. Hospital, New Delhi	- 4000 LPD
Ram Manohar Lohia Hospital, New Delhi	- 4000 LPD
Babasaheb Ambedkar Hospital, New Delhi	- 4000 LPD

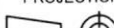
SOME OF OUR PRESTIGIOUS CUSTOMERS**Apartment / Builders / Construction:**

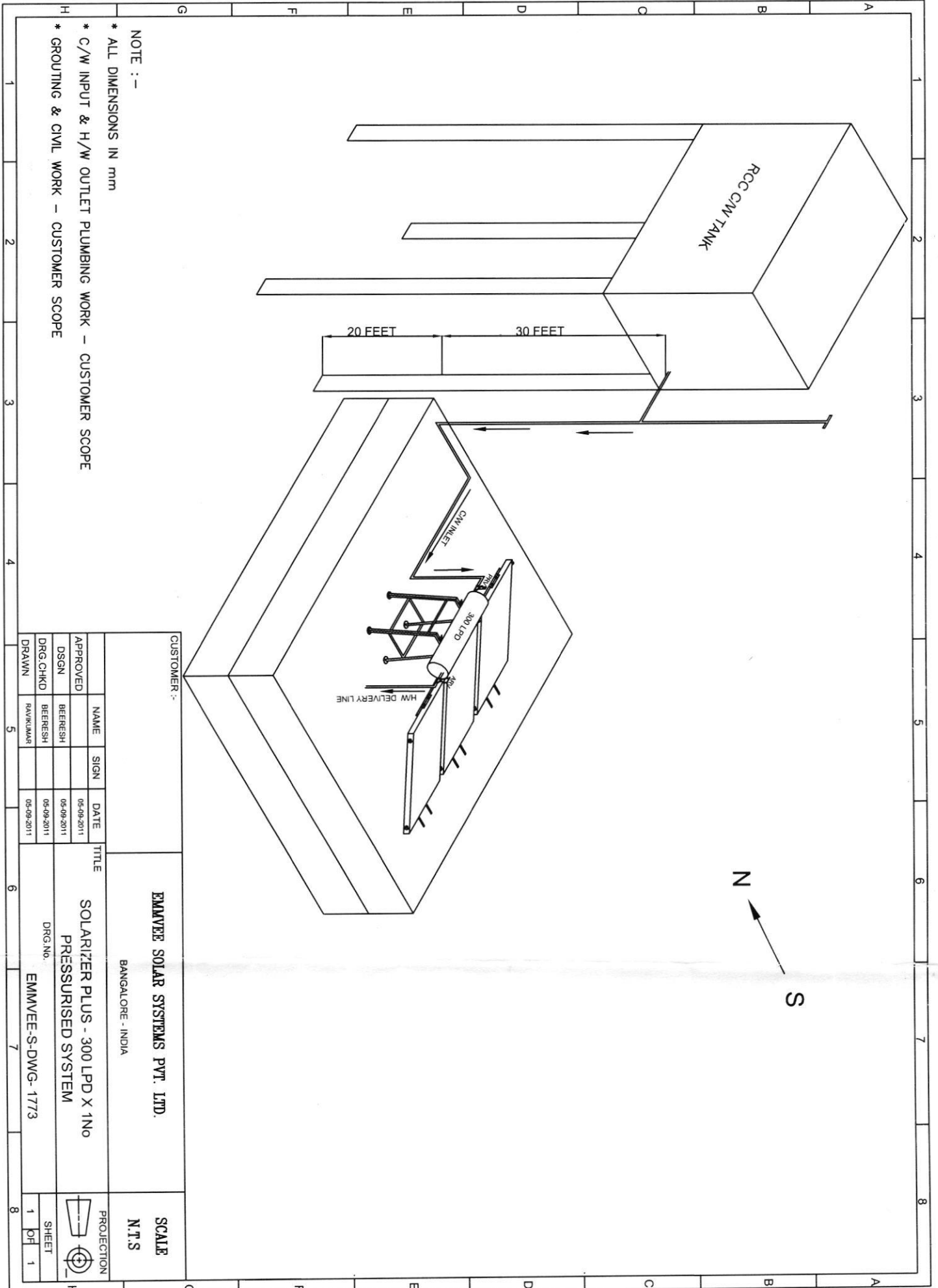
ETA CONSTRUCTIONS, Bangalore	- 100000 LPD
Foxconn Developers Pvt Ltd., Chennai	- 54750 LPD
Adarsha Developers (Vista Project), Blr	- 10000 LPD
GMR-Developers (Raxa security services)	- 9100 LPD
Krishna construction Bangalore	- 10000LPD
G-Corp Projects Pvt Ltd, Blr	- 6400 LPD
KNS Constructions, Bangalore	- 6000 LPD
RPP Constructions, (CPRI, Bangalore)	- 5500 LPD
Insight Builders, Bangalore	- 5000 LPD
Nirman Shelters (Bangalore) Pvt Ltd., Bangalore	- 5000 LPD
Wipro Guest House	- 5000 LPD
Divyashree Developers, Bangalore	- 14000 LPD
Aliens Developers, Hyderabad	- 70000 LPD
Sobha Developers, Bangalore	- 47000 LPD
Splendid Aparna, Hyderabad	- 45000 LPD
Nagarjuna Construction Company Ltd., Bangalore	- 20000 LPD
Honest Housing Corporation, Kalyan	- 13800 LPD
SAB Estates, Kalyan	- 11300LPD
Charms Heritage, Kalyan	- 6500 LPD
Ashapura Enterprises, Kalyan	- 3000 LPD
Saket Group, Kalyan	- 5750 LPD
Amrut Palms, Kalyan	- 7250 LPD
Badri Palace, Titwala	- 3920 LPD
Shelar Residency, Kalyan	- 7840 LPD
Abhidarshan Housing, Titwala	- 8400 LPD
Golden Palms, Kalyan	- 6000 LPD
Sai Sankul, Kalyan	- 4000 LPD
Sree Krishna Homes, Bangalore	- 3000 LPD

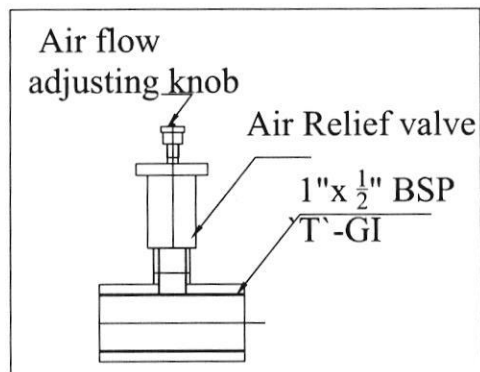
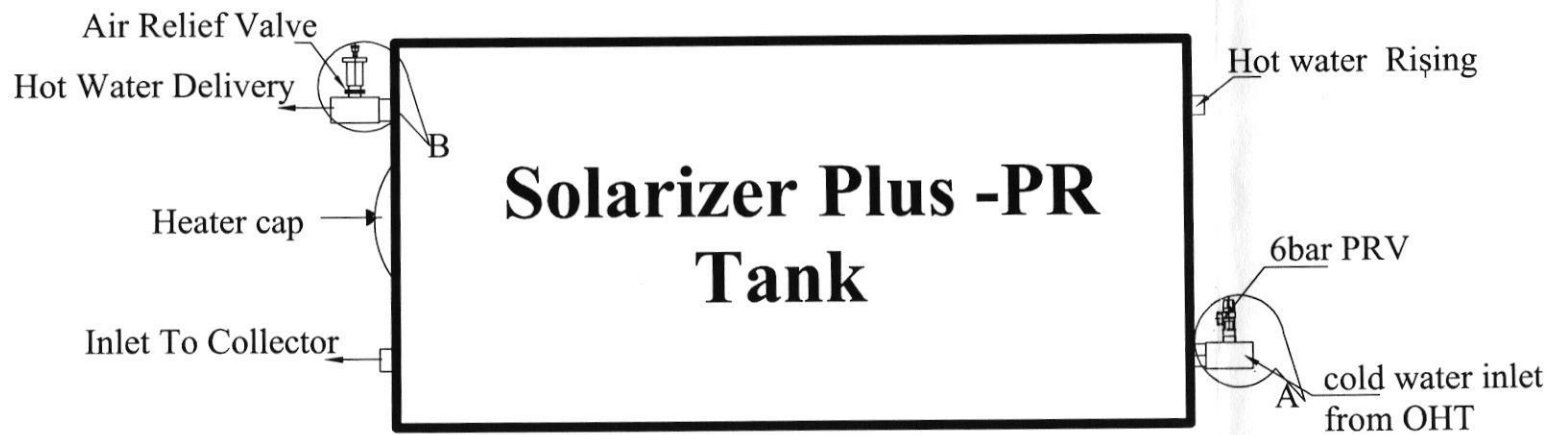


NOTE :-

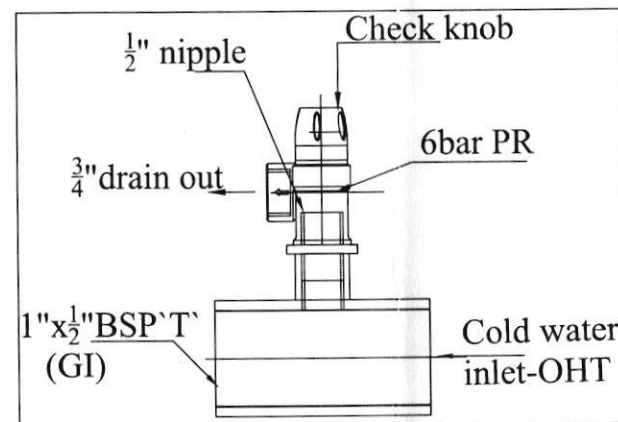
- * ALL DIMENSIONS IN mm
- * C/W INPUT & H/W OUTLET PLUMBING WORK - CUSTOMER SCOPE
- * GROUTING & CIVIL WORK - CUSTOMER SCOPE

CUSTOMER :-				EMMVEE SOLAR SYSTEMS PVT. LTD.		SCALE	
				BANGALORE - INDIA		N.T.S	
	NAME	SIGN	DATE	TITLE		PROJECTION	
APPROVED			05-09-2011				
DSGN	BEERESH		05-09-2011				
DRG.CHKD	BEERESH		05-09-2011	DRG.No.		SHEET	
DRAWN	RAVIKUMAR		05-09-2011	EMMVEE-S-DWG- 1773		1	OF 1





Enlarged view at-B-



Enlarged view at-A-

Solarizer Plus PR