

### 4.1.3

Availability and adequacy of general  
campus facilities and overall ambience





## *R. D. Memorial College of Nursing, Bhopal*

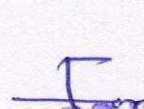
Recognised by Indian Nursing Council, New Delhi/M.P. Nurses Registration Council, &  
Affiliated to M P Medical Science University, Jabalpur

Estd - 2003

### 4.1.3 Availability and adequacy of general campus facilities and overall ambience

#### Hostel facility

Hostel	Capacity	Percentage of Occupancy	Facility provided
01+01 Girls & boys	204	135+37	<ul style="list-style-type: none"><li>• Separate cupboards, tables, and chairs for each student.</li><li>• Separate room for teaching and non-teaching staff with attached bathroom on each floor</li><li>• Each floor contains bathrooms and toilets, wash basins</li><li>• Washing and drying area.</li><li>• Visitors lounge</li><li>• Reading room</li><li>• Mess</li><li>• Water Cooler</li><li>• Phone facility</li><li>• Recreation room with television</li><li>• Sick room</li></ul>

  
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# Soni Brothers

Distributor of CCTV Camera, Biometric Machine, GPS, UPS, Siren Lock, Mantra, Antivirus, Wifi Device Cofe, Oxygen Concentrator And Accessories, Junction Box, MIC, BNC, DC, Cable Bundle, Power Supply

Shop No. 305, Bus Stop 7, B.D.A. Complex, Bhopal (M.P.) +91-9826962280, 8966867127

To. B. D Memorial College.

No. 327

Date 8/12/21

*RL*

S.No.	Particulars	Unit	Rate	Amount
1	IPB411et camera with motion alarm.	2	3200.00	6400.00
2	POE 4+2 supply	1	<del>2700.00</del> 2700.00	<del>2700.00</del> 2700.00
3	RJ 45 Joiner	3	50.00	150.00
4	RJ 45 Connector	10	10.00	100.00
5	ADMT cable 1.5	1	120.00	120.00
6	Junction Box	2	50.00	100.00
7	Installation and service All of camera			2800.00
TOTAL				12370.00

*Shubhamk  
Sharma  
09/12/2021*

*09/12/21*

*L. FAN 43*

**PAID**  
by 42756  
Cheque No. 42756  
Cash 2-12-21  
Date 2-12-21  
*ANO*

Rs.

*Twelve thousand three hundred*

TOTAL

12370.00

Note:

- Good once sold will not be taken back.
- Subject to Bhopal Jurisdiction only.
- E.&O.E.

For : SONI BROTHERS

Authorized Signature

*Principal*  
PRINCIPAL  
RD Memorial Nursing College  
Bhopal (M.P.)



0755-4220472

## Tax Invoice



## SILVERLINE ASSOCIATES

64, First Floor, Zone-I, Maharana Pratap Nagar  
Bhopal - 462011 (M.P.)

E-mail : silverlinebhopal@gmail.com

TIN 23969027301, PAN - CYMPS3145N, GST : 23CYMPS3145N1ZV

To, Dr. Rani Dhanaiya Smriti Ayurveda  
P.G. College & Hospital  
Barkhadihwaan, Bhopal - 462044/10

Date . 21.11.2013

Invoice No. 2384

P.O.No./Date. 1162/ROSNCR/19

Challan No. 12.11.2013

Party GSTIN No. ....

• Solar Water Heaters, Solar Cookers • Solar Direct Cooking / Steam Cooking • Commercial Induction Cooking Equipments • Led Lights  
• Heat Pumps • Solar Dryers • Solar Rooftop Power Systems • Wood Fired, Gas Fired, Oil Fired Geysers • Bio Gas Plants, DEWATS

## PARTICULARS

HSN  
CODE

Qty.

RATE

AMOUNT

IGST %

CGST %

SGST %

Endershan Pure Water Standard Integrated  
model G2 Solar Water Heating System of  
500 LPO Cap.

Two

40,000

80,000

2000/2000

System No. D183786

(2) 182989

Bank : State Bank of India Branch : Traders Branch A/C No. 31815210810 IFS Code : SBIN 0010469 MICR : 462002046  
Note : At the Time of Placing order furnish your reference of Tax No. Bank, Insurance. & Refer our Terms & Conditions Overleaf.

If not paid within 7 days of it date will be liable to 36% interest. Cheque return Charges Rs.450/- every time Subject to Bhopal Jurisdiction E&O.E.

In words Eighty four Thousand only

Sub Total	<u>80,000 = 80,000</u>	<u>2000</u>	<u>2000</u>
Tax Amount	<u>4000 = 0</u>		
Net Amount	<u>84,000 = 0</u>		

FOR SILVERLINE ASSOCIATES

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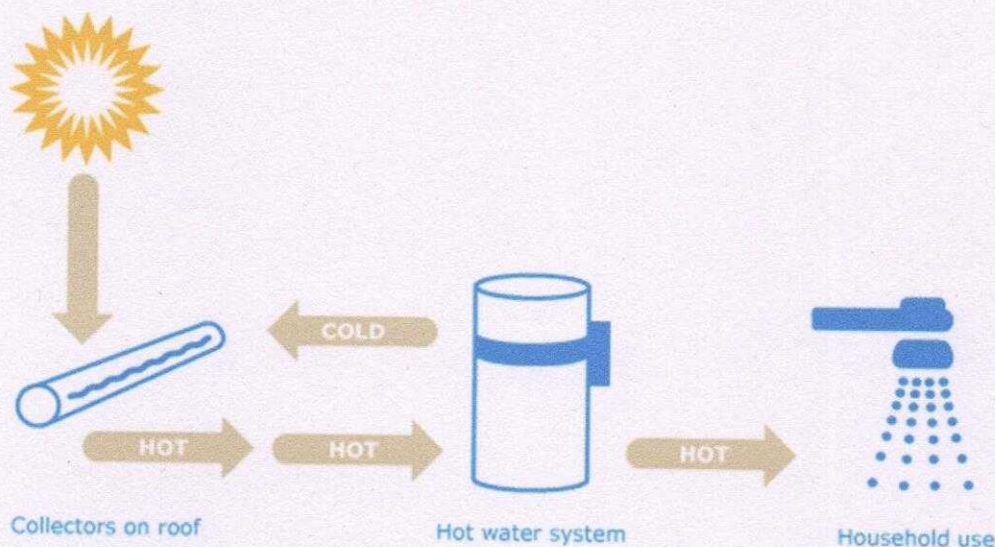


## R.D. MEMORIAL COLLEGE OF NURSING, BHOPAL

**Solar water heating (SWH)** is heating water by sunlight, using a solar thermal collector. A variety of configurations is available at varying cost to provide solutions in different climates and latitudes. SWHs are widely used for residential and some industrial applications.


sun-facing collector heats a working fluid that passes into a storage system for later use. SWH are active (pumped) and passive (convection-driven). They use water only, or both water and a working fluid. They are heated directly or via light-concentrating mirrors. They operate independently or as hybrids with electric or gas heaters. In large-scale installations, mirrors may concentrate sunlight into a smaller collector.

### How a solar hot water system works



### ENERGY PRODUCTION

The amount of heat delivered by a solar water heating system depends primarily on the amount of heat delivered by the sun at a particular place (insolation). In the tropics insolation can be relatively high, e.g. 7 kWh/m<sup>2</sup> per day, versus e.g., 3.2 kWh/m<sup>2</sup> per day in temperate areas. Even at the same latitude average insolation can vary a great deal from location to location due to differences in local weather patterns and the amount of overcast. Calculators are available for estimating insolation at a site.

  
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**Daily energy production ( $\text{kW}_{\text{th}}\cdot\text{h}$ ) of five solar thermal systems. The evac tube systems used below both have 20 tubes.**

Technology	Flat plate	Flat plate	Flat plate	ETC	ETC
Configuration	Direct active	Thermo-siphon	Indirect active	Indirect active	Direct active
Overall size ( $\text{m}^2$ )	2.49	1.98	1.87	2.85	2.97
Absorber size ( $\text{m}^2$ )	2.21	1.98	1.72	2.85	2.96
Maximum efficiency	0.68	0.74	0.61	0.57	0.46
Energy production ( $\text{kWh}/\text{day}$ ): – Insolation $3.2 \text{ kWh}/\text{m}^2/\text{day}$ (temperate) – e.g. Zurich, Switzerland	5.3	3.9	3.3	4.8	4.0
– Insolation $6.5 \text{ kWh}/\text{m}^2/\text{day}$ (tropical) – e.g. Phoenix, USA	11.2	8.8	7.1	9.9	8.4

  
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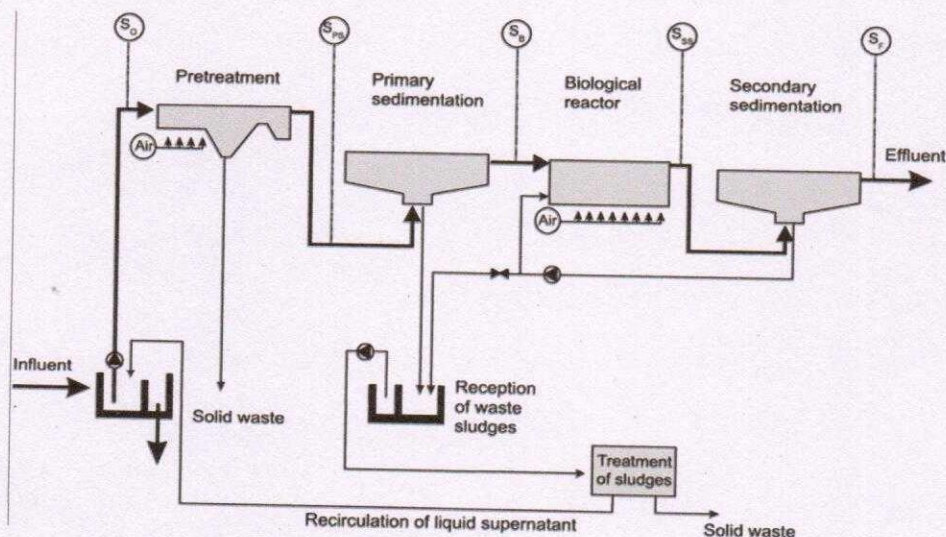



## R.D. MEMORIAL COLLEGE OF NURSING, BHOPAL

**Sewage treatment** (or **domestic wastewater treatment**, **municipal wastewater treatment**) is a type of wastewater treatment which aims to remove contaminants from sewage to produce an effluent that is suitable for discharge to the surrounding environment or an intended reuse application, thereby preventing water pollution from raw sewage discharges.<sup>[2]</sup> Sewage contains wastewater from households and businesses and possibly pre-treated industrial wastewater. Sewage contains wastewater from households and businesses and possibly pre-treated industrial wastewater.

Sewage treatment often involves two main stages, called primary and secondary treatment, while advanced treatment also incorporates a tertiary treatment stage with polishing processes and nutrient removal. Secondary treatment can reduce organic matter (measured as biological oxygen demand) from sewage, using aerobic or anaerobic biological processes.

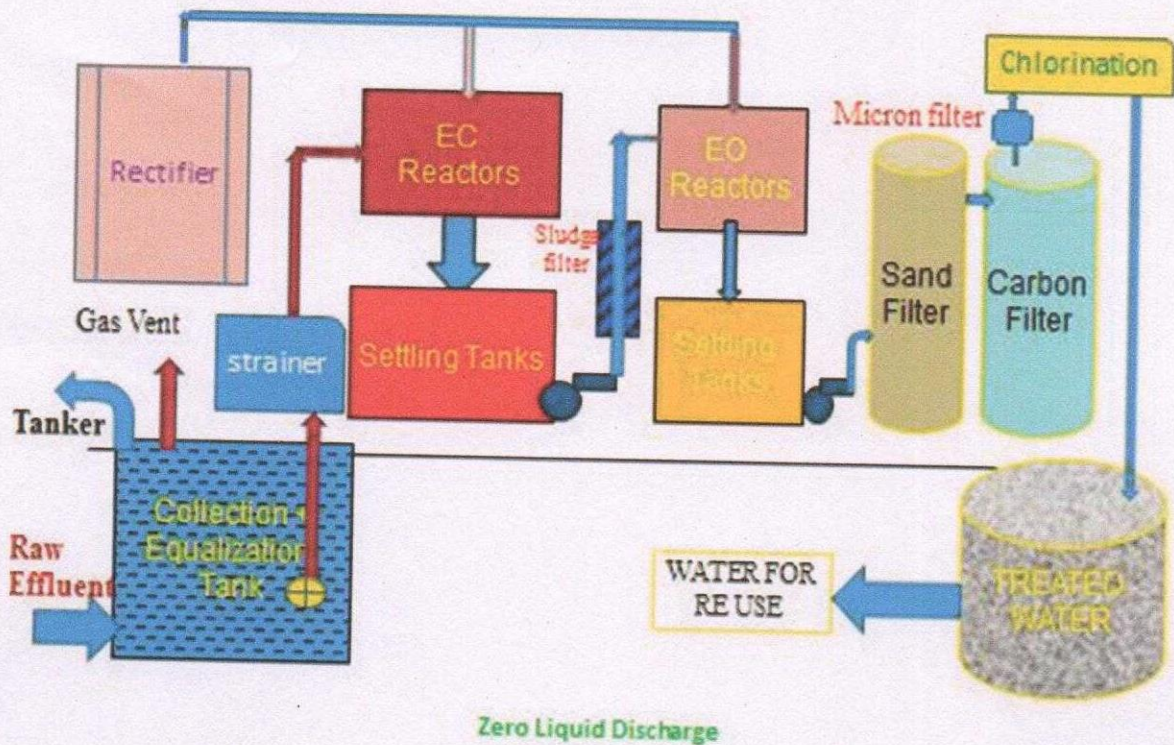
These systems include septic tanks connected to drain fields, on-site sewage systems (OSS), vermifilter systems and many more. On the other hand, advanced and relatively expensive sewage treatment plants in cities that can afford them may include tertiary treatment with disinfection and possibly even a fourth treatment stage to remove micropollutants.




  
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# PROCESS FLOW CHART



  
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