

Health Clinics

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Types of Rural Medical Facilities

Health Post

- Facility may or may not be wholly dedicated to health services
- No full-time staff, except possibly a public health worker
- Offers only the most basic services.

Health Clinic

- Typically staffed with one or more full-time nurses who may live on site
- Provides wider range of basic services
- May have one or two beds for in-patient care.

Referral Hospital

- Staffed with one or more doctors
- Provide in patient care
- Equipped to do abdominal/OB/gynecological surgery
- Provide radiological and laboratory services.



Health clinic in West Bengal, India

Health Clinic Showing RE Applications

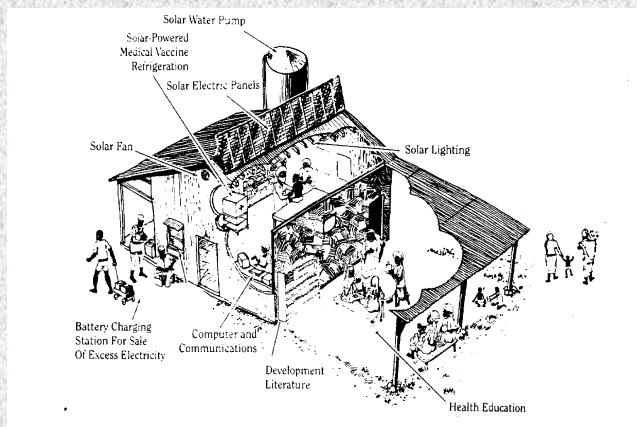


Diagram courtesy of John R. Boone and Solar Electric Specialties, Inc.

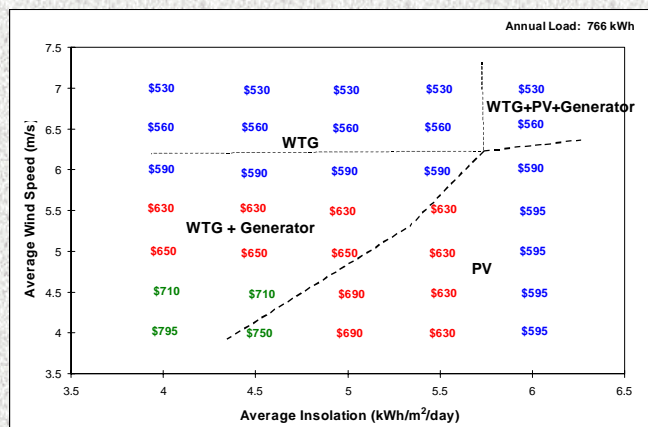
Health Facility Applications

Application	Power (Watts)	Duty Cycle (Hr/day)	Energy Use (Wh/day)
Vaccine Refrigerator	60	6 - 12	410 - 720
lights (each)	20	2 - 12	40 - 240
VHF Radio			
Stand by	2	12	24
Transmitting	30	1	30
Microscope	15	1	15
Vaporizer	40	1 - 4	40 - 160
Oxygen Concentrator	300	1 - 4	300 - 1200
Overhead Fan	40	4 - 12	160 - 480
Water Pump (1500 l/day @ 40 m)	100	6	600
12" B&W TV		15	1 - 4
15 - 60			
19" Color TV		60	1 - 4
60 - 240			
VCR	30	1 - 4	30 - 120
AM/FM Stereo	15	1 - 12	15 - 180
Electric Sterilizer	1500	0.5 - 2	750 - 3000

Services Offered at Health Clinics

- Inoculations
- Treatments:
 - Respiratory Infections
 - Parasitological Diseases
 - Diarrheal Diseases
 - Eye Disease
 - Venereal Diseases
 - Malaria
 - Skin Disease
- Pre-Natal/Post Natal Care & Child Birth
- Traumas: Burns, Simple Fractures, Wounds
- Dental
- Referral to Hospitals
- Public Health Education
- Family Planning
- Surgery (abdominal and OB/gynecological) (Hospital)
- Radiological (Hospital)
- Laboratory (Hospital)

Health Clinic Annualized Cost



The above graph indicates how power system configurations and annualized costs vary with the available resource. The costs are for a power system capable of supplying 2 kWh/day. The results assume a particular economic scenario and are indicative only.