



Anand Charitable Sanstha, Ashti's
**Anandrao Dhonde Alias Babaji Mahavidyalaya,
(Arts, Commerce and Science)**

Kada, Tal. Ashti. Dist. Beed 414 202 (Maharashtra)

Criteria VII

7.1.2 Solar Energy report

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Solar system of Energy Generation

Energy demand is growing day by day because of popular explosion and technology advancements. It is therefore necessary to go for reliable, permanent everlasting free energy sources. Solar energy among all other renewal sources of energy is promising and free available source for managing source of long term issues in energy crises. Solar industry is developing fast all over the world while major energy source, fossil fuel, is limited and other sources are expensive. Because of the high demand for energy is quite simply the energy produced directly by the Sun and collected somewhere. Solar energy sources developing stool study among all sources of energy. In today's climate of growing energy needs and increasing environmental concern, alternatives to the use of non-renewable and polluting fossil fuel have to be investigated. Solar energy is quite simply the energy produced directly by the sun and collected elsewhere. The sun creates its energy through a thermonuclear process that converts heat and electromagnetic radiation. The electromagnetic radiation streams out into space in all direction only a very small fraction of the total radiation produced reaches the earth. Due to the nature of solar energy, two components are required to have functional solar collectsthe radiation that falls on it and converts a fraction of it to other forms of energy either electricity or heat. At night or during heavy cloud cover, for example, the amount of energy produced is very less storage unit. The storage unit can hold the excess energy produced during the periods of maximum productivity, and release it when the productivity drops. In practice, a backup power supply is usually added, too, for the situation when the amount of energy required is greater than both what is being produced and what is stored in the container.

Anandrao Dhone College is one of the prime institutions contributing in the Environmental and Social prosperity by inculcating the practical knowledge to aware the individuals regarding the importance of renewable sources of energy. A great effort has been made to tackle the energy crisis issues through the installation and functioning of ultimate

sources of energy i.e. solar energy. As a prime institute Anandrao Dhonde College initiated an activity to adopt eco-friendly lifestyle by the consumption of energy throughsolar source for which solar appliances have been installed 6kw plan on the main building. It produces 20 - 25 units per day. The radiation that does reach the earthis the indirect source of nearly every type of energy used today. The use of solar system may curtail the electricity or fuel bills significantly. Besides the use of solar energy at college, the college plans to make use of solar energy to light up the area around the college, play ground where citizens of village comes to morning and evening walk. Workshops arranged for the students and community for energy saving awareness.

A handwritten signature in blue ink, appearing to read "Dr. S. D. Patil".

PRINCIPAL

Anandrao Dhonde Alias Babaji Mahavidyalaya
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