

Solar radiation and temperature measurement of solar dish concentrator system

ABSTRACT

Concentrating solar power (CSP) technologies could be one of the major contributors to the world's future energy needs and which would be cheap and clean sources of energy. This would improve energy utilization, higher conversion efficiency with reliable and affordable supply of electricity to the public. The proposed approach is using 18 inch diameter of solar dish concentrator to measure the solar radiation using the aluminium foil as a reflector. In this paper, solar radiation is collected to investigate the solar fraction on incoming solar energy in wet climate.

Keyword: Concentrating solar power; Solar energy; Solar fraction