

DEVELOPMENT OF SOLAR WATER DESALINIZER

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ABSTRACT : The solar water desalinizer was developed in the laboratory. It was tested daily with and without reflector in the month of January and February, 2001 from 9 AM to 5 PM for its distilled water output at 1, 2 and 3 cm water depths. Using reflector, the output increased by more than 100 per cent. The output of the desalinizer without reflector varied from 0.44 to 1.26 l/day and that with reflector 1.56 to 2.36 l/day at different water depths. The output varied with solar radiation, time of the day and the water depth.

Key Words : Solar desalinizer, solar radiation.