

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141054492 A

(19) INDIA

(22) Date of filing of Application :25/11/2021

(43) Publication Date : 10/12/2021

(54) Title of the invention : EXPERIMENTAL INVESTIGATION ON HYBRID SQUARE PYRAMID SOLAR STILL INTEGRATED WITH PV/T SYSTEM

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(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Our invention Experimental investigation on hybrid square pyramid solar still integrated with PV/T system discloses the efficient design and performance analysis of a square pyramid solar still (SPSS) in the presence of various vertical wick. To increase the distillate productivity of the conventional SPSS, Solar desalination is an impactful method for getting potable water from brackish/waste water in hot climatic conditions and/or remote areas where the scarcity of water as well as for electricity. In recent years, attention has been focused on development of various designs of solar still in order to overcome limitations possessed by conventional single basin single slope solar still. Pyramid solar still is one of the outcomes of such a development. The present invention explains the development of pyramid solar still as well as the various techniques to improve the performance of still. From the review on research carried out by the various-researchers, it has been found that pyramid solar still is more efficient and economical in comparison to conventional single slope single basin still;

No. of Pages : 16 No. of Claims : 7