

127. Adhikari, R.N., Rama Mohan Rao, M.S. and Bhaskar Rao, P. 1990. Wind power utilization in the semi-arid region. *Mausam*, 41(4): 621-626.

Analysis of wind data of Bellary in the Deccan Plateau region revealed a probable output of 19527 cu.m water per year by a wind mill of 5 m rotor diameter. The output is maximum during June-August with 21533, 25610 and 21653 cu.m of water followed by May and September with 8593 and 9193 cu.m of water, respectively. The wind mill can replace motor driven pumps for irrigating crops in the *kharif* and summer seasons and in *rabi* season wind mill can be used for watering orchards requiring limited quantity of water, as the output of water would be 1000 cu.m per month from November to February. The use of wind mills for irrigation in the tail-end areas of canals and for pumping out drainage water to reduce the water table is also discussed.