



Agriculture Voltage Technology

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- 'Central Arid Zone Research Institute' (ICAR) Jodhpur has developed agro-voltaic system of 105 kW capacity. This technique can be helpful in increasing the income of farmers by simultaneously producing power and cash crops on agricultural land.
- It is known that under Component-I of 'Kusum Yojana' (Kisan Energy Security Uplift Mahabhiyan), provision has been made to set up agro-voltaic system with capacity from 500 KW to 2 MW in the fields.
- Photovoltaic power plants convert solar energy into electrical energy using vast areas of photovoltaic manufactured cells. These cells are made of silicon alloy, known as PV or solar cells.
- The National Solar Energy Federation of India (NSEFI) has prepared a document to develop 13 operational agri-voltaic systems in the country, managing by various solar PVs workers and public institutions.

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