

EcoGrid ESS Brings Smiles to 500 families of Charoli Village



Charoli, a small village in the state of Uttar Pradesh, received the first RO Plant powered with Solar Energy and a breakthrough EcoGrid Energy Storage System.

An NGO named Safe Water Network has commissioned a complete Reverse Osmosis (RO) plant in Charoli Village, Dist. Jewar.

ACME has combined with them to bring about a revolution in the lives of villagers who were suffering badly due to the scarcity of potable water on account of electricity shortage. Thanks to this partnership, residents of many other nearby arid villages also will now have 24X7 access to the treated water at a meager amount of Rs. 7 for a 20 litre can. Villagers are happy with the installation as they had been fighting hard with the water-borne diseases in the absence of RO Plant.

The plant has a capacity to produce 1,000 litres of potable water per hour. The initiative is aimed at mitigating the drinking water woes of all the nearby villages and solving the problem of contaminated water supply in rural areas.

Even though Charoli already receives electricity from the traditional electric grid, the coverage is erratic and rarely powers the village for more than four hours per day. For this reason, the plant has been solar electrified to ensure an uninterrupted supply of electricity along-with installation of 5kVA Lithium-ion technology based EcoGrid Energy Storage System (ESS) to store & use solar power when it is not available.

EcoGrid ESS stores energy from Grid and/or Solar when they are available (prioritizing solar power consumption to the fullest) and delivers power to RO Plant, when Grid / Solar fails to supply.

The plant meets the drinking water needs of more than 500 men, women and children from Charoli and its surrounding villages.