

A water purifier from dialysis filter

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The device was installed as part of 'Jivamritam' clean drinking water project of AIMS in Kochi

KOCHI: The Amrita Institute of Medical Sciences (AIMS) in Kochi in collaboration with the [Tel Aviv University](#) in Israel installed a water purifier that is made using sanitized kidney dialysis filters at the hospital on Monday.

The device, which was installed as the part of 'Jivamritam' clean drinking water project of AIMS, was developed through a research at Tel Aviv University, said Dr Prem Nair, medical

director at AIMS.

The water purifier, which works without any power source, makes use of sanitised membranes of dialysis machine units. The portable water purifier, which weighs around 18kg, can purify about eight litres of water per minute, serving around 500 people. The filtration will remove suspended particles and microbial pathogens. "Our tests have found that the filter could make the water contaminated with E coli completely bacteria free," said Vineeth Ajith, coordinator for Jivamritam project.

The iron levels of the water could also be lowered to safe limits along with decreasing turbidity of the water, Ajith said. The water purified through the filters was also found to be higher in alkaline nature signifying that the water was safe for drinking.

As the part of Jivamritam project, five similar water purifiers will be installed in flood-hit areas. "Purifiers will be installed in Amrita Kripa Charitable Hospital at [Kalpetta](#) in Wayanad, two flood-hit panchayats in Alappuzha and in [Pathanamthitta](#) district," said Bhavani Rao, Unesco chair, Centre for Women's Empowerment and Gender Equality in Amrita Vishwa Vidyapeetham.

The installation has started at one site in the Budhanoor panchayat at [Chengannur](#).

Meanwhile, Dana Kursh, consul general of consulate of Israel to South India, said the collaboration was just a starting point for more innovative ideas that would find ways to solve problems of people in India, Israel and elsewhere.