



SRI LANKA – TSUNAMI PROJECT

The SkyJuice Foundation has a long established framework of relationships and installations in Sri Lanka. In response to the 2004 Boxing Day Tsunami, the Foundation was able to team up with other organizations to quickly respond to the requirements for potable water systems. During the period 2005-2006 the SkyJuice Foundation and Clean-Up Australia through its Cleanwater initiative supplied 220 SkyHydrant units to Sri Lanka.

Each SkyHydrant unit can potentially treat up to 20,000 litres per day to produce clean, safe potable water. The installations in Sri Lanka are typically central to hospitals, schools, clinics and refugee centres. The extended program in Sri Lanka has resulted in SkyHydrants installed in almost every region of the country. Most of our installations were commissioned by Oxfam (UK) and World Vision International. The full list of organizations working with the SkyJuice Foundation was:

- W.H.O.
- Red Cross (International)
- World Vision International
- Oxfam (UK)
- UNICEF
- National Water and Sanitation Board

The most extensive deployment of systems was in the most extremely effected regions of Batticola, Ampara, Trincomalee and Kilinochchi. Many of the Internally Displaced Persons (IDP) camps on the east coast of Sri Lanka were exclusively supported and supplied by multiple-bank SkyHydrant units. Source water was a combination of high turbidity river water as well as shallow bore water sources.

The plants installed at Batticola and Ampara, as shown in the images, were configured to operate at constant head supply of 2 - 3 metres from overhead storage tanks. The SkyHydrants were operated as an 'in-line' filter with weekly sanitation cleans.

Many of the units installed during the 18 month Sri Lankan tsunami program have now been de-commissioned and regenerated for the next deployment. An important feature of the overall program has been the ability to recover assets quickly and effectively and redeploy them as required at short notice.

POST TSUNAMI PERIOD: A water treatment plant was established by Oxfam at Killivedy River with 10 SkyHydrant water filtration units in April 2007, to provide safe drinking water to the IDPs. The demand for drinking water was 50-60m³ per day. The plant operated 12 hours each day and was producing 6729 litres per hour for the first 2 months, this reduced over time due to the high iron oxide content however, after backwashing the filters, an increased flowrate of 20% was recorded. The Sri Lanka Government has proposed further SkyJuice water treatment plants for bulk water supply in the Kilvetty area.

