



## APPLICATION BULLETIN

### SRI LANKA – SEENIGAMA COMMUNITY WATER PROJECT

As a follow up initiative of the tsunami assistance program in 2005, the SkyJuice Foundation supplied the first fully sustainable potable water plant at Seenigama Community Centre in Southern Sri Lanka.

The Rainbow Centre at Seenigama was in the direct path of the Tsunami and suffered considerable damage and loss of life. The SkyJuice Foundation joined with Crown Project Services to supply a showcase plant for the local community. The [SkyStation](#) (see specification sheet for further details) was a demonstration project for NGO's and INGO's in Sri Lanka which validated the notion of a chemical free – low cost sustainable water supply. The system is designed to operate automatically using available sunlight. The source water is shallow bore water that has an elevated level of fecal coliforms. The [SkyHydrant](#) unit (see specification sheet for further details), which is an integral part of the design, provides barrier filtration and disinfection (20,000 litres per day) for the community as well as the adjoining children's centre.

Following the initial SkyStation installation, an additional system was installed in 2006 in the adjoining community, supplying approximately 400 residents.

The SkyStation can be configured to operate on a maximum of 4 SkyHydrant units. The solar pump and PV Panel need to be matched to the average community water demands. The PV array can also be arranged with a small battery pack to supply 4 – 6 hours of light to the surrounding community 'collection point' and further enhance the safety and amenity of the facility.

The Seenigama Rainbow Centre plant is the sister installation to the Ujong Tanjong School, in Aceh Province, Indonesia



Solar powered SkyStation Seenigama



Children at the Rainbow Centre



Installing SkyStation Seenigama

The following organizations contributed to the Seenigama SkyStation project:

- David Hughes
- Project Management – Crown Project Services
- SOLCO Ltd