Rainwater Harvesting Journey for Urban Areas of Sri Lanka

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Lanka Rain Water Harvesting Forum

Rain Center [www.lankarainwater.org](http://www.lankarainwater.org)
“Let not even a drop of rainwater go to the sea without benefiting man”
Sri Lanka King Parakrama Bahu the Great, 1153–1186 AD
Rainwater Harvesting Revival

- Community Water & Sanitation project in 3 district introduced RWH 1995
- Public demand due to water issues
- Lanka Rain Water Harvesting Forum Started by a small group in 1996
- Membership from government, NGOs, private, and public sector
  - Goal: Lead the nation in rain water harvesting technology, construction, and utilization. Share experience and technology on RWH for domestic use.
RWH in Sri Lanka


Legend
- RWH by LRWHF
- RWH by Other Organizations

Domestic RWHS by LRWHF
- 1
- 2 - 10
- 11 - 100
- 101 - 1000
- Above 1000

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Map created on October, 2019

4000 Tsunami affected HH in the South & East

Domestic Water supply to 47,000 HH

16 Hospitals and 222 schools in Resettling areas in the North, East Uva

CKDu Areas; 80% drink RW

Industry

Farms
Policy and Legislation

- National Rainwater Policy and Strategies, June 2005
- aimed at encouraging communities to control water near its source by harvesting rain water
- Kandy Declaration, by SAARC Ministers, September 2007
- ......Signed by 5 minister of SAARC to promote RWH in their prospective countries
- 15th SAARC Declaration, August 2008
- .... at the looming global water crisis, recognized that South Asia must be at the forefront of bringing a new focus to the conservation of water resources. For this purpose they directed initiation of processes of building and encouraging of research, combining conservation practices such as rainwater harvesting, water conservation......
- Amendment to Urban Development Authority Drainage Act No.36, of 2007 published by gazette September 2007
- Every new building over a certain roof area has to have a rainwater harvesting provision 2009
Urban Development Authority Regulations

Green Building Guideline for SL incorporating RWH

Building Regulations been reviewed and have incorporated RWH
Training to Professionals

- Tri-Partite Agreement between CSE, Ministry of WS&D, LRWHF
- Trained over 200 Engineers, Architects, project Managers, Municipality Officials, Ministry Officials
- Training program to Private sector (Banks/Plantation/PVC suppliers/Architects/Town Planners)
Buildings incorporated RWH in urban area

Clearpoint Residencies, Rajagiriya rainwater harvesting, and an automated drip irrigation maintains the green cover.

Millennium Information Technology, The IT architecture company 75% of their water needs are met with RWH & waste water reuse.

MAS Intimates Thurulie, Thulhiriya 50% water use through RWH

HNB bank at Kalmunai/ Jaffna