



# **RAIN WATER HARVESTING SYSTEM FOR LANK MAHILA SAMITI PRE SCHOOLS ( Phase 2)**



**Report Submitted to**

**Lanka Mahila Samiti  
2014**

**by**

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**Project Progress Report**  
**RAIN WATER HARVESTING SYSTEM**  
**Submitted by**  
**Lanka Rain Water Harvesting Forum**

**Project Locations:** Polonaruwa, Sri Lanka

**Project Duration:** December 2013- January 2014

**Project Report Submission Date:** 30<sup>th</sup> Jan. 2014

**Project Activity**

1. Visit to sites and inspection
2. Select location for construction of Rain water tanks in consultation with beneficiaries.
3. Purchase and deliver of materials to site
4. Installation of Valence boards 25 ft length in houses where it was not present.
5. Construction of Rain water harvesting system

**Specification**

8000 liter (8 m<sup>3</sup>) ferrocement above ground tank, with 2 length of gutters ( 26 ft), first flush system, filter, washout for cleaning , safe plastic lid and tap with stand to extract water.

6. Inspection of Rain water harvesting system for conformity to standards
7. Fixing of logo and LRWHF logo to Tank
8. Instruction for Operation of Maintenance of System to households

**Project Beneficiaries**

	Name of beneficiary	Location	Tank Capacity	Date of Completion
1	Sujatha Pre school	Palugasdamana, Polonaruwa	8 m <sup>3</sup>	10 <sup>th</sup> Jan. 2014
2	Anula Mahila Samitiya Pre school	Diyabeduma, Polonaruwa	8 m <sup>3</sup>	16 <sup>th</sup> Jan. 2014

**Output**

- 2 rain water harvesting systems were installed in Polonaruwa districts
- Approximately 40 children will benefit from having safe drinking water source at their door step
- Teachers and manageresses of the Pre school were trained on operation of maintenance of rain water harvesting system

### Recommendation

- High incidence of Chronic Kidney Disease of unknown etiology (CKDu) is reported from Polonaruwa districts. Bad quality drinking water is thought to be main cause of the disease. Rain water which does not have biological or chemical contaminations should be promoted in the district as safe drinking water source, especially for use by children.
- Centers should be monitored regularly for proper maintenance
- One person should be made responsible for proper operation and maintenance
- Tanks can be brightly painted with water conservation messages and pictures painted on them for promotion.
- Parents should be made aware of the rain water system and their support should be canvassed for maintenance such as cleaning of roof, tank, filters ect.

### Pictures of Beneficiaries and Rain Water Harvesting Systems Constructed.



Sujatha Pre school, Palugasdamana, Polonaruwa



Anula Mahila Samitiya Pre school, Diyabeduma, Polonaruwa