

# PROMOTION OF RAIN WATER HARVESTING FOR DOMESTIC WATER SUPPLY IN SRI LANKA

## Final Report

Submitted to

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## **Lanka Rain Water Harvesting Forum**

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Project name:

**Promotion of Rain Water Harvesting for**

**Domestic**

**Water Supply in Sri Lanka**

Activity number:

**LK010602**

Project phase:	<b>Final</b>
Duration:	<b>One Year</b>
Recipient organisation:	<b>Lanka Rain Water Harvesting Forum</b>
Date of Report:	<b>June 30<sup>th</sup> 1999</b>
Reporting Period:	<b>From 28<sup>th</sup> February to 30<sup>th</sup> June 1999</b>

## **Activities planned until and during this period**

Planned activities for the period cover activities up to the end of the 12<sup>th</sup> month given in the inception work plan. This is also the completion report of the project.

### **1. Under pilot projects (rainwater harvesting systems)**

- Select sites
- Do socio economic survey
- Design and cost estimate
- Train in construction
- Construct tanks
- Train on management and maintenance
- Monitor performance

### **2. Under Promotion**

- Work shop 2 and 1
- TV program
- Three paper articles
- One radio program
- Begin brochure distribution

### **3. Under study**

- Study on existing rainwater harvesting technology
- Study on analysis of rainfall data
- Data analysis on available storage tanks
- Study on quality of rain water ( harvested)
- Study on low cost tank
- Study on low cost guttering
- Study on low cost catchment
- Study on first flush
- Study on user pattern
- Preparation of brochures on rainwater harvesting

## **Help and Advice**

### **4. Activities carried out until end of this period**

#### **4.3.1 PILOT PROJECT**

- Site selection
- Socio economic survey
- Design and cost estimates
- Training in construction
- Construction
- Training on management and maintenance
- Monitor performance

#### **4.3.2 PROMOTION**

- Work shop 1
- Work shop 2
- TV program
- Paper articles
- Radio programs
- Brochure distribution

#### **4.3.3 STUDY**

- Study of existing rainwater harvesting technology
- Study of analysis of rainfall data
- Analysis on available storage tanks
- Quality of rainwater (harvested)
- Study on low cost tank
- Study on low cost guttering
- Study on low cost catchment
- Study on first flush device
- Study on user pattern
- Preparation of brochures

#### **Help and Advice**

#### **5. Final Assessment of Activities**

Progress given should refer with the work planned up to the last month of the inception master work plan (annex I).

By the 15<sup>th</sup> of June the project was able to satisfactorily complete the planned activities, with a very successful conference cum work shop. One outstanding job to be done is completion of the trial storage tank which is under construction and is expected to be completed soon.

Projects progress was monitoring throughout, however, the project staff feel this should be continued for further 6 months to assess the operation and maintenance of the rain water harvesting tanks as well as to study the water quality of the stored water. Therefore we would like the Embassy to consider letting us keep the funds unspent on monitoring & Evaluation (Rs. 48,038/-) as well as the Rain water technology research (Rs. 66,030/-) for this purpose.

#### **Pilot projects**

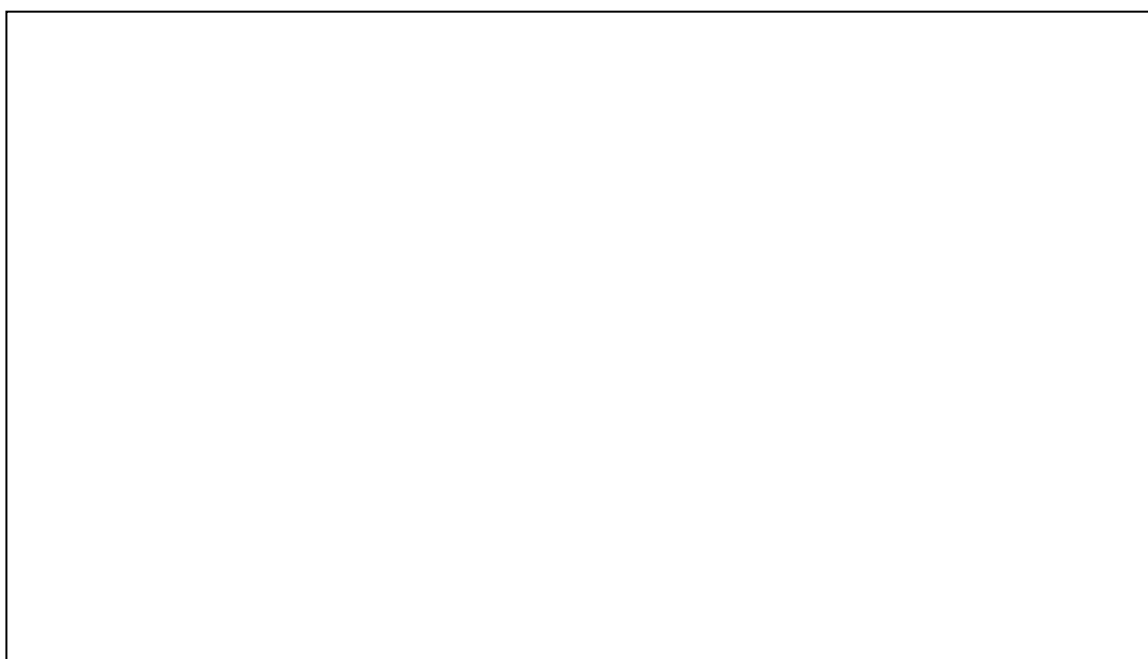
As reported in the last report 12 pilots were constructed in the dry zone as well as in the hilly areas of the country. Selected beneficiaries made interesting presentations at the last workshop held in Colombo with simultaneous translations. The impact of these pilots are reported and observed to be very encouraging for the promotion of rainwater harvesting.

## Promotion

Further to the progress reported in the last four reports.

Video program for the use of promotion is complete . This video which is of high quality is to be used in a presentation at the 9<sup>th</sup> International Rainwater Harvesting conference to be held in Brazil this July. Further more number of request has been received for copy of the video from various government organizations (National Water Supply & Drainage Board) as well as NGO's.

- **Workshop 2 -** The symposium was held at Savsiripaya on the 24<sup>th</sup> April. The Symposium was aimed to give the opportunity for the beneficiaries to express their views and share their experiences in rain water harvesting as well as present some research studies on low cost technology for rain water harvesting. Presentation were given by Vinivida (Mundel), Women's Development Foundation (Hambantota), GIDES (Weeraketiya), Kandy Pilot project co-ordinator and Rain Water Harvesting Society (Siyabaladuwa). Also eight presentation were made on low cost technology studies by the researchers (Annex 2). The symposium was attended by 61 people representing government organisations, NGO's , interested persons as well as beneficiaries. (Annex 3 List of participants). Proceeding of this symposium could not be printed within the project period, therefore, we would like to request Embassy to consider allowing Rs. 80,000 carried forward from the unspent funds on promotion budget line.



Photograph 1. Presentation made by Women's Development Foundation, Hambantota

- Video was produced "Rain is Water" this shown at the 2<sup>nd</sup> Symposium on rain water for water security" copy of the video enclosed. YA TV Nature Calls program showed part of this video on TNL, in May 1999.

- Two paper articles one in the Daily news 4 & 5 March in English (Annex 4).
- Workshop proceeding on the first symposium was reprinted with vol. 1 & vol.2 and distributed at the 2<sup>nd</sup> symposium. See attached Symposium proceedings called "Rain Water Harvesting for Water Security.
- Manual on rain water harvesting is printed in Sinhala. See enclosed copy.
- Rain water harvesting brochures were printed in Sinhala, English and Tamil. Copies enclosed.

## **STUDY**

- All 9 studies are now complete. Reports of these studies available. These are being used to develop the materials (brochures and hand books) needed for future promotional work.

## **HELP & ADVICE**

Further to the progress reported in the last report the forum is in a stronger position to give help and advice on rainwater harvesting. The forum continue to get request for help and advice. Some of the more recent request are:

- Request was made by Southern Development Authority to conduct a discussion on rain water harvesting technology to their staff members on the 16<sup>th</sup> June 1999.
- Technical advice was given to Community Solidarity Organisation, in Anamaduwa.