

Rain Water Harvesting for Suwa Udana Ayurveda Hospital in Anuradhapura District

Funded by Mr Ranjith Witharana and Mr Wimla Dias

Final Report

Reporting Period: March - August 2018

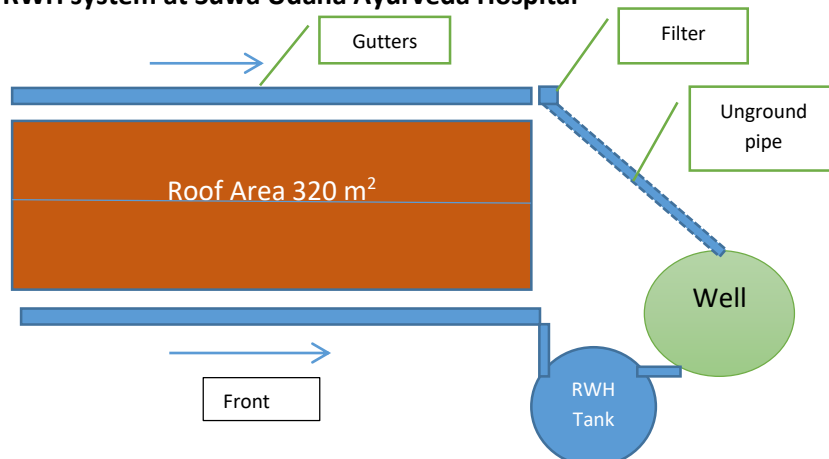
Activity	Status	Reference
Activity 1: Feasibility Study to install RWH		
1.1. Visit site, conduct study and report	Site visited on 05. 03.2018 and report submitted 9 th March 2018 .	Report 1
Activity 2: Install 16,000 liter rain water harvesting System and recharge system		
2.1 Construct 16,000 L RWH system	Completed 16,000 liter Wire mesh RWH tank with 200 ft gutters, first flush, filter and Recharge system to the well 16,000 L RWH tank with 2 set of gutter and Recharge system was completed 26/4/2018 200 ft length gutters and valence board (for both side of the roof) and recharging system completed 30/7/2018	Diagram, Pictures
1.2. Conduct awareness and operation & maintenance programs to beneficiary.	Awareness and O & M program was held on the 24/4/2018 .	Annex 1

Issues and Constraints

- RWH tank could not be located at the back of the building due to presence of sewage pits
- Run off from the back of the building could not be collected to the tank since delivery pipes could not be laid across the building due the presence of an iron grill.
- Therefore, the run-off water from the back of the building is directed to the well through a first flush and filter (Recharging system)
- Delay in fixing the valence board since necessary wood was not available near site

- Since the roof area is large there is a chance for the gutters to over flow

Diagram of RWH system at Suwa Udana Ayurveda Hospital



Pictures



Valence board and gutters installed or 100ft



16,000 L Wire Mesh RWH tank with tap stand and over flow connected to Well for Recharging



Valance board and gutters fixed at the back of the building

Gutters at the back connected to Recharging system through a first flush and filter

Annex 1: Participants of O&M Training Program

Lanka Rain Water Harvesting Forum

Registration of Participants

Program Name: Awareness Program / Operation and Maintenance Program / Training Program
 School / Hospital / Place / Village: Sukaradana Ayurvedic Hospital
 GN Division: Pekurukulam DSD: Narawa District: Amparapura
 Date: 04/08/2018

No	Name	Address	Telephone No	Male	Female	Signature
1	K. L. ප්‍රදීප් හර්ෂ	අලංකාර	077 3598798		✓	[Signature]
2	සුමත්	"			✓	[Signature]
3	සුමත්	සුමත්ගල				
4						
5						
6						



O&M leaflets given to participants



Expenses Statement

	Items	per unit SL Rs.	No. of units	Estimated SLRs.	Actual Cost SL Rs.	Requested Cost SL Rs.
1	Site inspection and feasibility study	10,000	01	10,000	10,000	10,000
2	Installation of valance board 200 ft (both sides)	200	200	40,000	42,841	40,000
3	Installation of gutters with accessories 16 lengths	1250	16	20,000	33,774	20,000
4	16,000 liter Ferro cement (wire mesh) tank with accessories	150,000	01	150,000	150,000	150,000
5	Installation of extra Recharging system from the back roof (100 ft pipe material and 2 labour days)				10,580	10,580
6	Supervision and Coordination	10,000	03	30,000	30,000	30,000
	Total			250,000	277,195	260,580
	Advance paid (Rs, 10,000 + 65,000+100,000)					175,000
	Balance payment requested					85,580