**Rainwater Harvesting System Design for Unilever**

September 2013

Location; Hatton, Unilever Factory Complex

Components

1. 10 m3 underground Concert or Plastic sump

2. 8 m3 ferrocement above ground tank

3. First flush

Estimated cost

Activity Total SL Rs.

1. Installing under ground storage tank of 10 m3 capacity \* 300,000

2. First flush and filter 500 liter capacity 30,000

3. Above ground ferrocement tank of 8 m3 capacity 70,000

Total 400,000

\*A pit of approximately 4 m x 3 m x 2m has to be duged to install the tank. The cost estimate does not include excavation.

Note: Pumping an pipe lay out is not included in the estimate

**Pump to overhead**

**Stop Valve**

**To Drain**

**Wash out and To Drain**

**B: Above Ground Storage Tank and First Drain**

**A: Under Ground Storage Tank and First Flush Tank**

**Proposed Drainage pipe**

**First flush pipe (manual)**

**Storage tank**

Gutters

Gutters

Roof

Roof

**From well**

**Distribute to toilets**

**Proposed Drainage pipe**

**Existing down pipes**

**Existing Gutters**

**Overhead tank**

**Storage tank**

**First flush tank**