



# The Institution of Engineers, Malaysia

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## Technical Visit to "BACFREE – Rainwater Harvesting System"

(Organised by the Agricultural and Food Engineering Technical Division)

Date : **23<sup>rd</sup> March 2013 (Saturday)**  
 Time : **9:00 a.m. – 1.00 p.m.**  
 Venue : **Bacteria Free Water Engineering (M) Sdn. Bhd - Meeting Room  
 No. 7, Jalan SS13/3F, Subang Jaya Industrial Estate, 47500 Subang Jaya, Selangor**  
 Transport : **Self Arranged. Participants are to assemble at 8:30 a.m. sharp at the venue for registration**  
 Fee : **IEM Member – RM 30.00 Non-member – RM 50.00**

**BEM Approved  
 CPD Hours: 4  
 Ref: No: IEM13/HQ/046/ V**

### SYNOPSIS

*Rain in the drain is a waste of precious resources!!*

Rain Water Harvesting involves the collection, storage and distribution of rainwater from the roof, for use inside and outside the home or business. The application includes:

- Landscape and agricultural irrigation
- Industrial process
- Recharge of surface water e.g. lake, reservoir and reservoir
- Recharge of groundwater
- Potable drinking water

Rain water harvesting system helps to recycle water rain water so that it can be utilized for water usage purposes. By installing a rainwater harvesting system we can provide water for non-potable (non-drinking) purposes, such as flushing toilets, washing laundry, watering the garden and washing cars. Substituting municipal water with rainwater for non-potable uses alone we can reduce up to 50% of municipal water used by a typical premise. Rainwater collected from the roof is generally quite clean and requires minimal treatment before non-potable usage.

### ITINERARY OF THE VISIT

Time	Tentative Itinerary
8.30a.m. – 9.00a.m.	Registration at BACFREE, Subang Jaya
9.00a.m. – 11.00a.m.	Briefing on Rainwater Harvesting System i. Intro to BACFREE & Rainwater Harvesting System ii. Rainwater Harvesting Design iii. Rainwater Harvesting Product Demo Unit
11.00a.m. – 1.00p.m.	Project Reference Site Visit i. Commercial System – Nadayu 28, Sunway ii. Residential System – Subang Jaya
1.00p.m.	Refreshment and Session End

The visit is strictly for **IEM MEMBERS ONLY** and **LIMITED to 30 participants** and registration will be on a first-come-first-served basis subject to payment within 5 working days. Members who are interested to join the visit are requested to return the reply slip to the IEM Secretariat before **20 March 2013** together with a non-refundable commitment fee of **RM30.00** per person and made payable to **The Institution of Engineers, Malaysia**. **Please note that the commitment fee must be settled prior to the visit. Payment on the day of the visit is not acceptable.** After this closing date, IEM reserved the right to allocate seats on first come first pay basis. Members are also reminded that if a place is reserved, IEM **may cancel the reservation** if payment is not received. If IEM maintained the reserved seat and the intending participant failed to attend the visit on the date of the event, the fee will still have to be settled in full.

**IR. ASSOC. PROF. DR. CHIN NYUK LING**  
**CHAIRMAN SESSION 2013**  
**AGRICULTURAL AND FOOD ENGINEERING TECHNICAL DIVISION, IEM**

### REPLY SLIP (Fax to: 03-7957 7678)

Chairman, Agricultural and Food Engineering Technical Division, IEM  
The Institution of Engineers, Malaysia

### Technical Visit to "BACFREE – Rainwater Harvesting System"

I wish to participate in the above visit and I enclosed herewith a (Cash/Cheque No.): ..... for the amount of ..... as my commitment fee for the visit.

Name of Member: ..... M'ship No: .....  
 Company's Name: ..... I/C No: .....  
 Address: ..... Mobile No.: .....  
 ..... Tel (Office): .....  
 ..... Fax No: .....  
 Email: .....

I will be participating in the visit at my own risk and hereby indemnify fully the IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....  
(Signature)

.....  
(Date)

Please bring along this flyer for confirmation of attendance  
(Photostat copies are acceptable)