

Technical Visit to Cameron Highlands Sultan Idris (II) WOH Power Station

(Organised by the Electrical Engineering Technical Division)

Date : **13th February 2017 (Monday)**
Time : **7.00am – 2.30pm (Assemble at Bangunan Ingenieur by 6.30am)**
(Coach will depart at 7.00 am sharp)
Venue : **SSJ Cameron Highlands, TNB Generation Division, Tapah, Perak Darul Ridzuan**

BEM Approved: CPD/PDP: 3 Hours
Ref. No.: IEM17/HQ/028/V

SYNOPSIS

TNB operates three hydroelectric schemes in Peninsular Malaysia with an installed generating capacity of 1,911MW. They are the Sg. Perak, Terengganu and Cameron Highlands hydroelectric schemes with 21 dams in operation. The Cameron Highlands hydroelectric scheme has an installed capacity of 262MW. **Sultan Idris (II) WOH Power Station** is an underground power station with natural ground level about 270m vertically above the station itself. The Power House is equipped with three vertical shaft Francis turbines running at 600rpm with a static head of 420.6m and an average annual unit generated of 480.0 GWh. The turbines are directly coupled to vertical shaft alternators (Fuji Electric Co. Ltd (Japan) make) delivering 11kV, 50MW at 0.9 power factor with a total of 150MW generating capacity. Water from the Cameron Highlands hydroelectric scheme is stored in the Jor dam which, together with the side stream intakes in the catchment areas in the Batang Padang district, provides the water source for the turbines at the underground Sultan Idris (II) WOH Power Station and the Odak Power Station.

Time	Tentative Itinerary
06:30 am	Registration at Bangunan Ingenieur, IEM
07:00 am	Bus departs from IEM, PJ.
10.30 am	Arrival and Welcoming Remarks
11:00 am	Presentation of Cameron Highlands Sultan Idris (II) WOH Power Station
12:00 pm	Site Visit to Cameron Highlands Sultan Idris (II) WOH Power Station
02:30 pm	End of Visit

COMMITMENT FEE (INCLUSIVE OF GST)
(Non refundable & Non transferable)
IEM Member: RM90.00
Non Member: RM110.00

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said

- The visit is strictly limited to only **thirty (30) participants** registered on a first come first pay basis.
- Interested members could register and pay online at IEM website (<http://www.myiem.org.my>); OR register by returning the appended registration form by **6th February 2017** together with the payment.
- Cheques are to be made payable to "**The Institution of Engineers, Malaysia**".
- **The commitment fee must be settled prior to the visit.**
- After this closing date, IEM reserves 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. Yau Chau Fong

Chairman, Electrical Engineering Technical Division

- REPLY SLIP – Phone No: 03-79684001/02 Fax: 03-7957 7678

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I wish to participate in the above visit on **13th February 2017**. I enclosed herewith a cheque No.....for the amount of RM..... as my commitment fee for the visit.

Name:

Membership:

Grade:

Contact Number:

Company Name:

Address :

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

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Date

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Signature