THE INSTITUTION OF ENGINEERS, MALAYSIA

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TECHNICAL VISIT TO "PENJOM GOLD MINE"

(Organised by Oil, Gas and Mining Technical Division IEM)

BEM Approved CPD/PDP Hours: 4 Ref No: IEM12/HQ/069/V

Date : **28 April 2012 (Saturday)**
Time : **7.00 am – 5.00 pm** *(Assemble at Bangunan Ingenieur by 6.30 am)(Coach will depart at 7.00 am sharp)*
Venue : **Penjom Gold Mine, Kuala Lipis, Pahang**
Fee : **RM100 (IEM Member), RM130 (Non IEM Member)**

BACKGROUND

Penjom Gold Mine is the largest producing gold mine in Malaysia and is owned by Indonesian based PT J Resources Nusantara. The mine is located in Kuala Lipis District, Pahang, 170km from Kuala Lumpur. A trip by road to Penjom may take 2 to 3 hours from Kuala Lumpur. Prior to 1990, mining activity at Penjom was intermittent during 19th and 20th centuries, exploiting oxide ore and alluvial deposit as well as into the deeper part by underground working. Production figure during this period was unknown. However, based on the intensity of old working underground shafts and tailing sand left over in certain areas, the amount of gold extracted must have been quite substantial.

A review of the economic potential of gold by the Pahang State Government in early 1990 led to major exploration work; which succeeded in bringing Penjom back to the world map as the pioneer large scale gold mining in Peninsular Malaysia by applying modern technology. Starting in December 1996, Penjom continues to grow and reached 1Moz of gold produced in 2007. Through systematic exploration strategy, Penjom is looking to increase the current 1.1Moz resources identified below the current topography.

Penjom is located 30km away from the major tectonic structure of Bentong Raub Suture, along a NNE splay of this structure. The deposit is hosted within shear vein and associated extension veins where the highest ore grade are associated with felsites intrusive which provides physical and chemical contrast unit. Sedimentary rock host to ore zone is at times highly carbonaceous and produces significant problem to plant processing recovery. However, proper stockpile management and processing technique of Resin-in-Leach (RIL) have overcome this problem with 91% plant recovery achievable depending on the carbon level.

Time	Itinerary
07.00 am	Bus departs from IEM, Petaling Jaya
09.30 am	ETA Penjom Gold Mine
09.30 am to 11.30 am	Briefing: Safety and Project
11.30 am to 03.00 pm	Tour : Mining & Plant Question & Answer
03.00 pm	Bus return to IEM, Petaling Jaya (Expected to arrive at 05.00 pm)

Note: Safety hats will be provided and to be returned upon leaving at the guard house. Participants are also encouraged to bring their own safety hats and shoes.

The visit is strictly limited to only thirty (30) participants registered on a first come, first served basis. Members interested in the trip are requested to return the attached reply slip to the IEM Secretariat by **16 April 2012(Monday)** together with a commitment fee of **RM100 (IEM Member), RM130 (Non IEM Member)** per person, made payable to **"The Institution of Engineers, Malaysia"**. The Commitment fee must be settled prior to the visit.

Ir. RAZMAHWATA MOHD RAZALLI
Chairman , Oil, Gas and Mining Technical Division

Chairman
Oil, Gas and Mining Technical Division

REPLY SLIP (03 7957 7678)

I wish to participate in the above visit on 28 April, 2012 (Saturday). I enclosed herewith a cheque/PO/MO No _____ in the amount of RM100(IEM Member)/RM130 (Non IEM Member) as a commitment fee for the visit. I will be participating in the visit at my own risk and hereby indemnify IEM fully from all claims arising from any injury, damage or loss that may be sustained by me.

Name :	Membership No: Grade :
Company Name:	Contact Number :
Address :	Signature :