



IQM

INSTITUTE OF QUARRYING MALAYSIA

Newsletter

FOR MEMBERS CIRCULATION ONLY
JAN 2012 (VOL 1) KDN NO: PP8487/06/2012(029920)

FROM THE DESK OF THE EDITOR

Assalamualaikum dan selamat sejahtera,

Once again , the annual IQM Conference and Exhibition (CONEX) was successfully held at IOI, Putrajaya with local speakers and invited speakers from Singapore and Hong Kong delivering interesting papers which are of interest to our local quarry operators. The quarrying activities in Hong Kong in areas surrounded or soon to be surrounded by residential estates is similar in many ways to many of our quarries in Selangor and some other states. The requirement of blast monitoring to ensure compliance with the authority operational conditions is similar in many ways to Malaysian conditions which is to minimise annoyance to the public. The vibration limit in Hong Kong as imposed by Hong Kong Geotechnical Engineering is currently 5.0 mm/s.

There is no Quarrying activities in Singapore and as such all aggregate requirement must be met by import. Since import are expensive many of the shortfall in Singapore is met by recycling of materials from demolition work, and recovery of old materials from highways, buildings and other development work. The old materials need to be processed to meet current standard which is more stringent compared to before and we do learn a lot from the paper given by the author.

WE should not forget that what is currently practised in Hong Kong and Singapore may soon become a standard practice in Malaysia as we seek a sustainable quarrying practice.

The editor would like to congratulate four of our members who have graduated and rightfully receive their Quarry Managers Certificate after completing all the five modules that constitute the syllabus for the award. We hope many more will complete the required modules and receive theirs in the near future. This is a unique qualification for the quarrying industry which employs people from the various disciplines which is not offered by any Institution in Malaysia. IQM hope to organise more courses in the future as part of the requirement for Continuous Professional Development of our members in the industry. New methodology and new subjects may be introduced as mentioned by our treasurer Dato' Professor Dr Eric Goh in his paper on Education for the Industry. We need to continuously upgrade and improve our expertise to ensure we remain competitive. We welcome any member who wishes to pass expertise through lectures, technical talks or even invitation to visit their quarries to see what they are doing. The industry will benefit a lot through this exchange of ideas and networking activities. As part of this IQM is proposing to organise technical visits overseas such as Australia besides attending conferences organised by our sister organisation there.

Members are welcome to join. That is the benefit of affiliation to the International Institute of Quarrying.

Ir Hj Look Keman bin Sahari
Editor and Council Member



COUNCIL MEMBERS (2011/2012)

IR LEE KAM FATT

HJ MUSTAPHA MOHD LIP

CHEN NYET LIN

DATO' PROF IR DR ERIC GOH

IR HJ LOOK KEMAN SAHARI

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NIRMALA DEVI

COUNCIL MEMBER

COUNCIL MEMBER

COUNCIL MEMBER

COUNCIL MEMBER

MANAGER

WHAT'S IN STORE FOR YEAR 2012

Proposed Courses / Activities for 2012

1. *Training Course for Shot-Firers (IQM)* : 26 - 31 March 2012
2. *Crushing and Screening Course (Sabah)* : 9 - 12 April 2012
3. **Technical Talk by Timken Singapore** : 14 April 2012
4. *Training Course for Shot-Firers (Sarawak)* : 21 – 26 May 2012
5. *OSH for Quarry Managers (IQM)* : Mid June 2012
6. **Annual General Meeting / Technical Talk** : 30 June 2012
7. *Crushing and Screening Course (IQM)* : Early July 2012
8. *Drilling Course (Sabah)* : 16 – 19 July 2012
9. *Training Course for Shot-Firers (Johor)* : September 2012
10. **Industry Quality Educational Programme** : End September 2012
11. **IQM Conex 2012 (Conference & Exhibition)** : End October 2012
12. *Drilling Course (IQM)* : Early November 2012
13. *Environmental Management Course (IQM)* : End November 2012
14. **Advance Blasting Course (IQM)** : Early December 2012

Please note that courses listed in italic are part of the requirements for the Quarry Managers Certificate issued by IQM. All other Courses are part of Continuous Professional Development planned by IQM and many more will be planned to ensure our members will be always up to date with the current legal , management and also technological development.

MEMBERSHIP

IQM would like to remind “MEMBERS” who have yet to pay their 2011 subscription fees to pay the current and also the 2012 fees. We would not like to lose members who are in the industry that are really crucial to the development of our beloved country. Only members who are not in arrears will benefit from the IQM activities and pay a much lower fees for courses and other activities planned in the future. A strong IQM will be able to do a lot not just for the individual members but also the industry as a whole. With international affiliation and also international collaboration our activities follows the international requirement for Continuous Professional Development for all members in the industry. We would therefore request all members and those in arrears to fulfill their duty to pay their subscription in time as this will help us a lot in future planning for our members benefit and also enable us to continue to serve our country through our educational programmes. It helps us to help you.

Membership Payment Scheme

To encourage members to retain their membership on a long term basis, IQM is offering a new membership scheme, for an advance payment of **FIVE (5) years** membership fee the member will be given a **FREE one year** membership fee. This will benefit not only the member but also reduce the administration cost. IQM hope more members will accept this beneficial scheme.



New



ANNUAL SUBSCRIPTION FOR 2012



Please be informed that the Annual Subscription (Membership Fee) for 2012 is due for payment. Kindly ensure that your subscription is paid in time to avoid termination of membership.

Kindly send in your payment by crossed cheque / bank draft / money order made in favour of "Institute of Quarrying Malaysia Bhd".

The following subscription rates apply for 2012.

Fellow (FIQ)	: RM200.00	Member (MIQ)	: RM180.00
Associate	: RM170.00	Student	: RM 25.00

I _____ Membership No : _____

enclose my crossed cheque/bank draft/money order no. _____

for RM _____ being Membership Fee for year _____ payable to

INSTITUTE OF QUARRYING MALAYSIA BHD.

E-mail : _____ Handphone No : _____

QUARRY DIRECTORY MALAYSIA 2012

With the immense success and popularity of the Quarry Directory 2011, IQM is now introducing yet another issue of the Quarry Directory Malaysia 2012. Companies who wish to advertise in the next issue of the Directory can contact the IQM Secretariat, Madam Nirmala Devi at 603-80624194 / 5 or email to aetiqm@po.jaring.my to enquire on the rates and artwork. You could also visit our website to download the Space Order Form at www.iqm.com.my. If your company is not listed in the Directory, and you think it should be, send us your updated details immediately.

Institute of Quarrying Malaysia

23, Jalan Utama 1/7, Taman Perindustrian Puchong Utama (Puchong Perdana), 47100 Puchong, Selangor.

The Directory is sold at RM40 a book. Additional RM5 will be charged for postage. For further information, kindly contact Madam Nirmala Devi at Tel: 03-80624194 / 5 Fax : 03-80618258 E-mail: aetiqm@po.jaring.my.

*Note : Kindly mail cheque to IQM as per address above or Bank-in to MBB 014187208342
(pls fax us the bank-in slip)*

QUARRY DIRECTORY MALAYSIA 2012 ORDER FORM

I..... enclose my Cheque / Bank Draft / Money Order No.....

for RM..... being purchase of copy / copies of **Quarry Directory Malaysia 2012**

payable to "Institute of Quarrying Malaysia Bhd".

Kindly mail Directory to : _____

IQM CONEX 2011

**IQM CONEX 2011 (CONFERENCE & EXHIBITION)
"NEW FRONTIERS AND INNOVATIONS IN QUARRYING" (NFIQ 2011)
12 & 13 OCTOBER 2011
PALM GARDEN HOTEL, IOI RESORT, PUTRAJAYA**

OPENING CEREMONY



*Left to Right : IQM President Ir Lee Kam Fatt,
Hanson Managing Director Mr John Thornton,
IQM Deputy President Tn Hj Mustapha Mohd Lip*



CONFERENCE PARTICIPANTS



MR JOHN THORNTON GIVING HIS OPENING SPEECH



SESSION CHAIRMAN WITH SPEAKERS

RECEIPTS OF THE QUARRY MANAGER'S CERTIFICATE



MR AU YOUNG KEEN KIEW, MIQ



MR SAW LID HAW, MIQ



MR LAI KIM FUI, MIQ



MR WAN CHUN LIANG, MIQ

IQM CONEX 2011

RECEIPTS OF THE AWARD OF EXCELLENCE



HANSON QUARRY PRODUCTS SDN BHD
(ORGANISATION)



TN HJ MUSTAPHA MOHD LIP
(INDIVIDUAL)



TOUR OF INDOOR AND OUTDOOR EXHIBITION



CONFERENCE DINNER



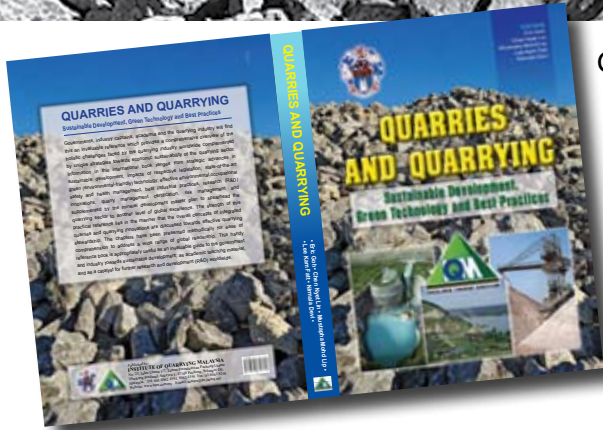
ADVANCE BLASTING COURSE

6 - 9 DECEMBER 2011 HOLIDAY INN GLENMARIE, SHAH ALAM



QUARRIES AND QUARRYING

Sustainable Development, Green Technology and Best Practices



Governments, industry captains, academia and the quarrying industry will find this an invaluable reference which provides a comprehensive overview of the holistic challenges faced by the quarrying industry worldwide complemented by unique strategies towards economic sustainability of the quarrying sector. Information in this international book ranges from strategic advances in sustainable development, impacts of respective legislation, state-of-the-art green (environmental-friendly) technology; effective environmental, occupational safety and health management, best industrial practices,

research (R&D) innovations, quarry management certification, risk management and supplemented by the mineral development master plan to spearhead the quarrying sector to another level of global excellence. The strength of this practical reference lies in the manner that the overall concepts of integrated quarries and quarrying innovations are discussed towards effective quarrying stewardship. The chapters have been presented methodically for ease of comprehension to address a wide range of global readership. This handy reference book is appropriately useful as an invaluable guide to the government and industry towards sustainable development; as academic teaching material, and as a catalyst for further research and development (R&D) worldwide.

The cost of this publication is RM150 for IQM members and RM200 for non-members. Additional RM10 per book will be charged for postage.

To purchase a copy, please fill in the order form below and send it to us with your payment.

QUARRIES & QUARRYING

ORDER FORM

I.....enclose my Cheque / Bank Draft / Money Order No.....
 for RM..... being purchase of copy / copies of **QUARRIES & QUARRYING**
 payable to "Institute of Quarrying Malaysia Bhd".

Kindly mail Directory to : _____

For further information kindly contact Madam Nirmala Devi at

INSTITUTE OF QUARRYING MALAYSIA

No. 23, Jalan Utama 1/7, Taman Perindustrian Puchong Utama (Puchong Perdana), Seksyen 1,
 47100 Puchong, Selangor DE, Malaysia. Tel: 03-8062 4194/5 Fax: 03-8061 8258
 Website: www.iqm.com.my E-mail: aetiqlm@po.jaring.my

EXPERT and EXPERT WITNESS

When I was an Inspector of Mines many years ago I had many opportunities to become prosecutor where I had to prepare investigation paper and to prosecute the miners who commit offence such as mining beyond permitted boundaries, discharging dirty effluent, non-compliance with the inspectors order and of course to investigate when there are slope failures that resulted in death of workers. Unfortunately for me, most of the time the miners pleaded guilty partly because the fine is minimal and may be to keep the Department staff happy that they win most of the time. Actually I prefer the miners to put up a challenge in Court and thus give me a chance into practice what I learned at the Police College, Kuala Kubu Baru. Actually in my 17 years of service with Mines Department I only had one chance to challenge the lawyer representing the miner in the case involving the overturning of Sungai Kuyuh dredge where I was the prosecutor. Under the Mining Enactment then, the Inspector of Mines can be considered as expert witness by virtue of the post.

However for those in private practice especially in Civil case the requirement to be an expert witness is different. Recently when I attended a Forensic Engineering for Civil & Structural Engineering failures Course (free of charge as auditor for CPD) one the Professors giving lectures on the subject of Forensic Engineering who had personal experience in Court case in Singapore mentioned that the basic requirements for a person to qualify as expert witness are as follows:

1. Academic qualification such as a Professional Degree. Those with advance degree in related subject will have an advantage
2. Professional Qualification such Corporate Membership of related Institution and also attendance at related Professional Development Course
3. Length of working experience in related or specialised field

The other unofficial condition is in my opinion is the willingness to give lecture on his expertise to members of related Institution whether paid or free of charge. By doing this more people will know your expertise and more likely to call you as expert witness by virtue you are known to them and also you have the qualification and experience to be one. Expert witnesses accepted in Court are also

likely to be recognised as such in their profession.

In the Quarrying Industry this is likely to be important when the quarries are operating near residential area and also when there are cases of accidents and ground failures that resulted in major injuries and also death. In era where more and more people opposes quarry operation near their home, the quarry operators must also be well prepared with qualified staff with required competencies and also qualified Consultants to act on their behalf when in need. Willingness of the quarry operators to send their staff for advance training is actually a plus when critical situation arises which nobody knows when. Willingness to pass on expertise to future generation is also a plus especially when inadvertently you are recognised as expert by your students especially when they know you have the experience to back you up. We should not forget that many of our students will one day become leaders in our industry. Continuous learning from the day we were born to the last day of our live is no longer an option but a must if we want to continue remaining relevant. We need more people with actual hand-on experience to contribute to the industry by passing down their expertise to the younger generation. After all when you are older physically we may be less able but mentally many of us are still able to lecture well. What a waste if we simply ignore our senior citizen.

Many of our local companies (not just quarrying) still use the services of foreign experts ignoring the locals who had even advance degrees on the excuses they do not have the experience and expertise but when would they have the experience if they are not given the chance to do so? They need the experience especially if they want to export their expertise overseas. If the local don't want them, how can we expect them to sell their expertise overseas especially now when the government want us to sell our services overseas. It is a little strange after 54 years of independent we still rely on overseas consultants and do not trust our own people. We have many of them serving as Consultants, lecturers at Universities and even government sectors. Given the chance they probably can do better because they know the local conditions better.

Ir Hj Look Keman bin Sabari



AIR YANG BERSIH

Air adalah kehidupan. Kita memerlukan air untuk hidup, kita memerlukan air untuk mencuci kereta, mencuci pinggan mangkuk dirumah dan juga kita memerlukan air untuk banyak proses di Kuari dan lombong kita.

Kita sebenarnya bernasib baik kerana mempunyai sumber air yang mencukupi dengan hujan, sungai sungai dan sumber air bawah tanah yang masih belum digunakan sepenuhnya. Tetapi kita sudah mempunyai masalah kerana sudah banyak sumber-sumber berkenaan kerana sudah dicemari oleh pelbagai kareneh kehidupan masazaman moden ini. Sudah banyak yang sudah kita lakukan untuk menambah burukkan keadaan semasa seperti pembuangan sampah yang tidak teratur kedalam parit dan sungai, pembuangan sisa industry kedalam parit dan sungai tanpa rawatan, pemotongan balak dengan tidak terkawal yang menyebabkan kejadian hakisan yang teruk apabila hujan dan banyak lagi angkara manusia sendiri yang menyebabkan kita merana kerananya.

Pembuangan air kotor dari lombong dan kuari juga akan menyebabkan air di Sungai perlu dirawat dengan kos yang tinggi yang kita sendiri akan membayarnya dengan bil air yang semakin tinggi. Sebahagian sumber air yang dahulunya bersih telah begitu tercemar sehingga menjadi busuk dengan warna yang jijik kerana pembuangan sampah ini dan juga aktibiti perusahaan yang tidak terkawal inilah yang menyebabkan sumber air yang dahulunya hampir tanpa had kepada kekurangan. Saya masih teringat masa yang lalu dimana sungai dibelakang rumah saya air yang mengalir melaluinya sangat bersih dan dapat dilihat ikan sepat, puyu, haruan berenang

didalamnya. Sungai yang sama pada hari ini gelap dengan hakisan dan juga kotor dengan sampah sarap dan ikan-ikan tidak dapat hidup didalamnya.

Air sangat diperlukan dikuari untuk tujuan mengurangkan kesan habuk yang terhasil dari loji pemecah batu, kerja kerja letupan dan juga pengangkutan batu dari muka kuari keloji. Air juga diperlukan untuk mencuci peralatan kuari, kenderaan, workshop dan untuk pelbagai kerja lain. Bagi kuari yang mencuci semula sisa kuari (Quarry Waste) untuk mendapatkan "pasir" air digunakan untuk mendapatkan produk yang bersih dan dapat memberi pendapatan tambahan kepada pengusaha kuari. Hasil dari kerja pemerosesan ini, air menjadi kotor kerana mendapan pepejal ini. Dahulunya mungkin dialirkan terus kesistem perparitan dan terus kesungai tanpa rawatan tetapi dengan kesedaran rakyat aduan dibuat kepada pihak berkuasa yang terpaksa membuat tindakan dengan mengenakan syarat operasi yang lebih ketat. Kolam mendapan diwajibkan dan sistem air pusing balik diperkenalkan di samping itu air buangan perlu dirawat terlebih dahulu sebelum dialirkan ke sistem perparitan atau sungai. Oleh sebab sistem pengurusan air yang mantap perlu diperkenalkan dan diperaktiktan di setiap Kuari bukan sahaja untuk menjaga imej operasi kuari tetapi untuk menjaga nama baik industri pengkuarian di Negara kita. Faktor penjagaan dan penggunaan air yang bersih juga perlu diambil kira didalam penyediaan Sekim Pengkuarian yang mampan.

Nota: Pengurusan air adalah sebahagian dari kursus : " Environmental Management" anjuran IQM.

Hj Look Keman bin Sahari