

REGISTRATION FORM

I wish to attend the "STRATEGIC ROCK BLAST TROUBLE SHOOTING AND PROBLEM SOLVING - CASE STUDIES" on 6 November 2019.

Name:

I/C No:

Date of Birth:

IQM Membership No (if any):

Company Name:

Address:

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Position Held:

Telephone: Fax:

Email:

Enclosed is Cheque / Bank Draft / Money Order

No..... for RM..... payable to

"Institute of Quarrying Malaysia Bhd"

A/C No: 014187 208342 Maybank

(kindly email bank transaction advise)

PLEASE FORWARD PAYMENT TO:

INSTITUTE OF QUARRYING MALAYSIA BHD

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 Email: admin@iqm.com.my

Date:

Signature & Chop

(Please photocopy the Registration Form if required)

GENERAL INFORMATION

A. Registration Fee

IQM Member : RM 800.00 **

Non-Member : RM 900.00

Government Officers : RM 800.00

B. Registration Fee (Early Bird Rate before 25 October 2019)

IQM Member : RM 500.00 **

Non-Member : RM 600.00

Government Officers : RM 500.00

HRDF CLAIMABLE

****1 Year Good Standing**

Fee inclusive of course materials, morning and afternoon tea and lunch.

C. Course Size

Participation is limited to not more than 30 persons and will be based on first-come first-served basis.

D. Accommodation

You may arrange your accommodation with the following hotels:

1) *Sri Puchong Hotel* 03-80623373

2) *Green Hotel* 03-80686666

3) *Four Points By Sheraton Puchong* 03-58918888

E. Cancellation

A deduction of 50% of the Registration Fee will be made being handling charges for cancellation after confirmation by phone, fax or email. No refund shall be made for cancellation after the closing date of the course. A substitute is accepted.

F. Closing Date

The closing date for registration is 25 October 2019.

For further information contact: Mdm Nirmala Devi

Tel: 03-8062 4194/5 Fax: 03-8061 8258

Email: nirmala@iqm.com.my

NOTE: Cheque enclosed with the Registration Form does not necessarily mean that you have been automatically accepted until official confirmation by the Institute of Quarrying Malaysia Bhd.

IQM Continuous Professional Development Programme

CPD HRS: 6



STRATEGIC ROCK BLAST TROUBLE SHOOTING AND PROBLEM SOLVING - CASE STUDIES 2019

Date: 6 November 2019

Organised by:



Supported by:



DEPARTMENT OF MINERAL & GEOSCIENCE MALAYSIA

to be held at:

INSTITUTE OF QUARRYING MALAYSIA BHD
23, Jalan Utama 1/7, Imn Perindustrian Puchong Utama
(Puchong Perdana), Section 1, 47100 Puchong, Selangor D.E.

INTERNATIONAL AFFILIATIONS:



INTRODUCTION

With the aim for increased competency of the quarrying industry towards world class status; The Institute of Quarrying Malaysia (IQM) and the Academy of Quarrying (AOQ) have taken the pro-active initiative to design and organise this specialised Skill Course on “Strategic Rock Blast Troubleshooting and Problem Solving - Case Studies” (SRBT). This SRBT Course, an important advanced component of the Shotfiring Certificate, is specially developed for the benefit of the quarry operators, quarry management personnel and Government officers who would like to gain advanced in-depth knowledge in this specialised field of ‘Rock Blast Troubleshooting and Problem Solving’ at respective quarry sites.

The objective of “Quarry Rock Blast Troubleshooting” is to enable the systematic and economic mineral development of the quarry rock products under the existing economic conditions at optimum costs; whilst complying to the corresponding regulatory, environmental and occupational safety standards expected of the relevant authorities and the local community. The shotfiring planning and design process related to quarry operations involves factors such as identification of expected outcomes, rock blast planning and design expectations complemented by the identification of planning and design limitations to obtain a favourable outcome in mineral production and sustainable quarrying.

Many a time, the outcome of a very well-planned blast design does not go as planned. Thus rock blast troubleshooting is required to analyse, trace, correct faults and solve serious problems in the rock blasting process for optimum quarry production and economic benefits. Some of the problems encountered could include flyrocks, excessive noise and vibrations, bad blasts, poor rock fragmentation and sometimes even uneconomic excessive use of explosives. Rock blast troubleshooting and quarry site problem solving

COURSE CONTENTS

Module 1: Issues usually arising from Bad Rock Blasts in Quarries

Module 2: Troubleshooting and Identification of Poor Rock Fragmentation

Module 3: Rock Characterisation and Geotechnical Constraints in Rock Blasts

Module 4: Site Problem Solving based on extensive industry-centred experience

Module 5: Economics, Environmental and Safety Aspects for Efficient Rock Blasting

Module 6: Troubleshooting and Problem-Solving of Case Studies from the Industry

*** (Module 6: participants are encouraged to bring their selected Case Studies to obtain the opinion of the Expert Course Presenter for the best troubleshooting and problem solving options for their site scenarios)*

is a logical, systematic search for the source of a problem in order to solve it, and make the process operational again. Troubleshooting is needed to identify the symptoms and determine the most likely potential causes of the problem. Finally, troubleshooting requires confirmation that the solution restores the process to its optimum state of production. Some of the key components of this important course includes ‘identification of poor blasts and reasons’, ‘efficient blast design’, ‘environmental issues arising from unforeseen issues’, ‘economic planning and issues in efficient rock blasts’ and ‘occupational safety concerns and solutions in rock fragmentation’.

These distinctive series of specialised Skill Courses specifically developed by The Institute of Quarrying Malaysia (IQM) - Academy of Quarrying (AOQ) aims to promote and foster the further development of competency and professionalism of all industry stakeholders in the quarrying industry towards increased world class technical knowledge on the latest trends of technology progress and practices worldwide.

BIODATA OF SPEAKERS

MR SALAMAT AHMAD

Mr. Salamat Ahmad’s illustrious career commenced in 1960 when he joined the Engineer Corps of the Malaysian Army where he diligently progressed his technical expertise for 22 years specialising in combat and demolition projects. While in service he also awarded the Diploma in Construction Survey in 1968. In 1982, upon his retirement from his long-service Army career, due to his vast expertise and experience Mr. Salamat Ahmad was appointed as the Executive of the Technical Advisory Services for Tenaga Kimia Sdn Bhd (a member of Austin Powder group of companies). A renowned expert and highly respected in the rock blasting circle, he has carried out several complex troubleshooting and rock fragmentation problem solving scenarios both locally and overseas. In total he has over 55 years of work experience in explosives and blasting which includes 22 years in the military and 32 years in commercial explosives sector and the quarrying industry.

WHO SHOULD ATTEND

As an important advanced course to the QMC and QMPC Shotfiring Course, this specialisation course is tailored to meet the needs of Quarry Owners, Quarry Management and Administrators, Government Officers, Consultants, Engineers, Supervisors and other Industry Personnel who wish to gain further certified knowledge on ‘Quarry Rock Blast Troubleshooting’ practices all aimed towards increased economic, environmental and occupational safety standards for further efficient Sustainable Economic Quarrying.

TRAINING METHODOLOGY

Skilled Course Training Methods include the combination of:

- Technical Lectures and Visual Presentations
- Group Discussions and
- Industrial Videos