

REGISTRATION FORM

I wish to attend the “**Blast Monitoring Course 1/2025**” from 14 - 15 May 2025.

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 RM..... payable to “**Institute**

of Quarrying Malaysia Bhd”

Online transaction can be made to:
A/C No: 014187 208342 Maybank
(kindly email bank transaction advise)

For further information, contact the IQM Secretariat:

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

Email: admin@iqm.com.my Website: www.iqm.com.my

Date:

Signature & Chop

(Please photocopy the Registration Form if required)

GENERAL INFORMATION

A. Registration Fee

Member	: RM 900	RM 750
Non-Member	: RM 1100	RM 950
Government Officers	: RM 900	RM 750

Early Bird
(before 2 May 2025)

HRD CORP CLAIMABLE COURSE

This is inclusive of course materials, morning and afternoon tea, and lunch.

B. Course Size

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

C. 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
- 4) *Hilton Garden Inn Puchong* 03-80841299

D. Cancellation

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

E. Closing Date

The closing date for registration is 2 May 2025.

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

HRD CORP CLAIMABLE COURSE



CPD HRS: 10

BLAST MONITORING COURSE

1/2025

Course Date: 14 - 15 May 2025

Registration open for Malaysian Citizens only

Organised by:



Academy OF QUARRYING

Supported by:



DEPARTMENT OF MINERALS & GEOSCIENCE MALAYSIA

to be held at

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



INTRODUCTION

Blasting is widely used in quarry and mines. When explosive charge detonate in rocks, most of the energy is used in breaking and displacing the rock mass. However, some energy is released in form of ground vibration and air blast. Blasting operation may cause excessive environmental impact such as ground vibration, air blast, dust and flyrock because blasting operation often focus on controlling fragmentation which neglects the environmental consequences.

With the trend towards larger blast, increased public population and development of new urban areas near quarry and mines, complaints on ground vibration and air blast complaints from public have increased. Therefore, proper method to monitor ground vibration and air blast from blasting is important in order to measure the magnitude of ground vibration and air blast.

At present there is no standard procedure for setting up blast monitoring equipment. Without proper monitoring method, readings recorded by ground vibration and air blast equipment from blasting will give false results which will lead to wrong interpretation and analysis. If the monitoring results is challenged in Court most likely it is thrown out since there is no standard procedure being followed. In the course, participants will be taught about standard procedure for setting up blast monitoring equipment based on ISEE Field Practice Guidelines For Blasting Seismographs 2020. ISEE is International Society of Explosives Engineers based in USA.

BENEFITS

The course will cover the following topics:

- i. Basic theory of ground vibration and air blast
- ii. Description of ground vibration and air blast equipment
- iii. Installation of ground vibration and air blast equipment based on ISEE Field Practice Guidelines 2020
- iv. Analysis of monitoring results
- v. Ground vibration and air blast regulatory limits and structural damage limit

WHO SHOULD ATTEND

The main purpose of the course is to enhance the knowledge of managers of mines/quarries, engineers and shotfirers and personnel that deal with or carried out vibration and airblast monitoring. It is very important for those who carried out blast monitoring to know the proper field set-up of seismographs according to ISEE Practice Guidelines and Department of Minerals and Geoscience (JMG) requirement.

TRAINING METHODOLOGY

Course methods include combination of :

- Lectures
- Group Discussion
- Training Videos
- Seismograph Setup Demonstration

KEY SPEAKERS

HJ MUSTAPHA MOHD LIP

Hj Mustapha graduated in Mining Engineering (first class honours) from University of New south wales, sydney, Australia in early 1979 and joined Department of Mines upon completion of studies.

In 1994 he attended the shotfiring and blast design courses in United Kingdom.

He furthered his studies in 1995 and obtained Msc (Environmental Resources) from salford University, Manchester, UK.

He rose in ranks in Minerals and Geoscience Department to become the Deputy Director General and retired from the Department in 2015. He was a key person in the formulation and procedures for the certification of shotfirers.

Highly knowledgeable in blasting, he has been lecturing in shotfiring courses and many other courses organised by the Institute of Quarrying since 1994.

