Ground Rules

- Fire alarm / Attendance / exits
- Toilets / smoking / drinks
- 120 minutes duration for this meeting
- Phones – switch off or put it silent
- Confidentiality
Welcome & Announcements

Welcome to:

- All of our members and visitors, especially those attending for the first time;
- Representatives of our sponsor Vibrant Consultancy;

[Image of Vibrant Consultancy logo]
New Members to our family – Nov 2018

1. Sri Praveen, MIIRSM
Qatar Branch Committee Members

A Balamurugan, MIIRSM, RSP
- Chairman
- hsebalamurugan@gmail.com
- 6624 3794

Leo S. Dote, MIIRSM, RSP
- Vice Chair
- Lsdote_emt@yahoo.com
- 5560 6495

Philmar Potente, MIIRSM
- Secretary
- Philmar.potz@yahoo.com
- 5593 4691

Viv Turner, FIIRSM
- Technical Advisor
- Viv.turner@me.com
- 3318 5179

Santosh Pillai, MIIRSM
- Technical Advisor
- santosh@vibrantglobal.org
- 7040 6468

Reece Chahal, MIIRSM
- Technical Advisor
- Chahal.reece66@gmail.com
- 3366 8891

www.iirsm.org
Agenda

- **18:30-18:35** - Ground Rules & Meeting Agenda – Balamurugan. A
- **18:35-19:15** - Qatar HSE Legal Framework – Dinah Zhang
- **19:15-19:30** - Refreshments and open discussion
- **19:30-19:45** - Lesson Learnt – Reece Chahal
- **19:45-20:15** - Food Safety – Vysakh D Nair
- **20:15-20:30** - Balamurugan Arunachalam
Ms. Dinah is an associate in Clyde & Co's Middle East Construction and Dispute Resolution Group, based in the Doha office. Ms. Dinah has previously practiced in both Melbourne and Brisbane, Australia in the construction and infrastructure industry and her areas of expertise includes advising on major projects, dispute resolution, litigation and arbitration, involving government, multi-national companies, energy, gas and mining companies, engineers, property developers, contractors and consultants.

**Qatar HSE Legal Framework – Dinah Zhang**
Networking

19:15-19:30

Refreshments and open discussion
A Safety Manager proposes to replace an old piece of equipment with a newer model due to a high accident rate on the old equipment. The useful life of new equipment is 10 years with an annual accident cost averaging $1,000 per year. Considering only the cost of accidents and the annual rate for money is 8%, what is the maximum investment above the new equipment cost that would justify the purchase?

a) $6,652  

b) $7,255  
c) $6,710  
d) $6,542

After searching for a drilling machine, two options are selected. First, a machine can be leased for 10 years at $1,500 per year. Second, the machine can be purchased for $10,000 with a maintenance agreement that costs $500 per year. After 10 years, the machine can be sold as scrap for $5,000. Assuming money value will be 15% for the years, is buying or leasing the better option?

a) Buy and save $5,000  
b) lease and save $3,700

c) lease and save $3,700  
d) buy and save $3,700

Where

- i = interest rate for a given interest period
- n = number of interest periods
- P = sum of money at the present time
- F = future worth of a present sum of money after n interest periods, or the future worth of a series of equal payments
- A = a payment or receipt at the end of an interest period in a series of n equal payments or receipts
i = 0.08  n = 10  A = $1,000  P = ?

\[ P = A \frac{(1+i)^n-1}{i(1+i)^n} \]

\[ P = 1,000 \times \frac{(1+0.08)^{10}-1}{0.08 \times (1+0.08)^{10}} = $6,710 \]

All expenses and profits must be calculated as present values.

**Step 1**  Calculate the present expense of leasing the machine for 10 years.

\[ i = 0.15  \quad n = 10  \quad A = $1,500  \quad P = ? \]

\[ P_{\text{lease}} = A \frac{(1+i)^n-1}{i(1+i)^n} \]

\[ P_{\text{lease}} = 1,500 \times \frac{(1.15)^{10}-1}{0.15 \times (1.15)^{10}} = $7,528 \]

**Step 2**  Calculate the present value of the maintenance agreement expense.

\[ i = 0.15  \quad n = 10  \quad A = $500  \quad P = ? \]

\[ P_{\text{maint}} = A \frac{(1+i)^n-1}{i(1+i)^n} \]

\[ P_{\text{maint}} = 500 \times \frac{(1.15)^{10}-1}{0.15 \times (1.15)^{10}} = $2,509 \]

**Step 3**  Calculate the present value of selling the machine for scrap in 10 years.

\[ i = 0.15  \quad n = 10  \quad F = $5,000  \quad P = ? \]

\[ P_{\text{scrap}} = F \times [1+i]^n \]

\[ P_{\text{scrap}} = 5,000 \times (1.15)^{10} = $1,236 \]

**Step 4**  Calculate the present expense of buying the machine by adding the present value of maintenance costs and subtracting the present value of revenue for selling the machine as scrap in ten years.

\[ P_{\text{buy}} = P_{\text{price}} + P_{\text{maint}} - P_{\text{scrap}} \]

\[ P_{\text{buy}} = 10,000 + 2,509 - 1,236 = $11,273 \]

The calculations illustrate it would be cheaper to lease the machine.
Agenda # 2

- **19:30-19:45**

Committed and dedicated to the management of health, safety for over 20 years. Having worked on many high profile and complex construction projects including rail, highways, commercial, residential and aviation he have gained a vast amount of experience and expertise regarding the implementation, monitoring and enforcement of all HSE requirements applicable to construction related projects in both the UK, and the Middle East,

He have a Degree in Health, Safety & Environmental Management, accredited Occupational Hygienist and a qualified HSE Trainer, also qualified and approved to undertake 14001,18001 and 9001 audits.

- **Lesson Learnt – Reece Chahal**

HSE Country Manager

LARSEN & TOUBRO
Mr. Vysakh D Nair HSE Instructor is working with Vibrant Consultancy for last 2 years. Has experience in conducting training in various HSE related topics. His background is BCA and done Nebosh IGC started his carrier in 2012. He is a certified protection officer instructor.

Food Safety – Vysakh D Nair
Agenda # 04

- **20:15-20:25** - Open Forum / Job Opening / CPD.

- What help required from Qatar Branch Committee for visitor/non-members to become IIRSM members.
(now is the time to raise questions from work)
Other Business

(+974 6624 3794)
Text me with your IIRSM membership number

International Institute of Risk and Safety Management (IIRSM) Qatar Branch

International Institute of Risk and Safety Management (IIRSM) Qatar Branch

www.iirsm.org
Sharing pics of accident victims punishable in Qatar / Defamation, misuse of photos to attract stricter punishment

- Law no 4 of 2017 Article 333
Upcoming Events and Meetings

January 2019

22-Jan-2019 (Tuesday) - IIRSM Qatar Branch Monthly Meeting.
A Word of Thanks

➤ To our sponsor **Vibrant Global** for support of the branch for the remainder of this year.

➤ To all of you, our members and visitors, for making the effort to attend and support IIRSM.
A Word of Thanks