

VIRTUAL ONE DAY COURSE

GOVERNMENT ASSET MANAGEMENT: LIFE CYCLE COST (LCC)

BEM APPROVED CPD: 6 REF NO: IEM24/HQ/159/C (w)

ORGANISED BY : PUBLIC SECTOR ENGINEERS SPECIAL INTEREST GROUP, IEM

- Date : 24 JUNE 2024 (Monday)
(rescheduled from 10 June 2024)
- Time : 9.00 AM - 5.00 PM
- Virtual Platform : ZOOM

Speaker :

Ir. Ts. Dr. MOHAMAD ADZIZULROHIM
BIN ABD MALEK



CLOSING DATE: 15 JUNE 2024

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
IEM Student Member	75.00	90.00
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Non-IEM Member	480.00	540.00

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SYNOPSIS

Asset management is a critical aspect of governmental financial management and deserves prioritization by agencies. The government places significant emphasis on asset management due to the substantial investments made in infrastructure development and asset provision. Systematic, comprehensive, and integrated asset management is imperative to align with the continuous improvement policy of the public sector service delivery system. Government assets represent the nation's investments and must be managed meticulously. Inefficiencies in asset management can burden the finances, tarnish the government's reputation, impact service quality and efficiency, safety, and user satisfaction.

Government assets that require management encompass: 1. Immovable Government Assets, 2. Movable Government Assets, 3. Stock and Inventory Assets, 4. Intangible Assets and 5. Living Assets

Efficiently managed government assets can aid the government in optimal and effective expense management, in line with the Government Asset Management Policy (DPAK), Comprehensive Asset Management Manual (MPAM), Government Immoveable Asset Management Procedures (TPATA), and Ministry of Finance Malaysia Treasury Circulars (PP). This necessitates competent government officials and a comprehensive strategy to manage government assets in accordance with internationally recognized best practices.

The management of immoveable assets should be a top priority for agencies. This is crucial to provide suitable and adequate workplaces, ensuring the effective delivery of services according to their respective functions. The objective of immoveable government asset management is to provide complete asset information for development planning and usage control of immoveable assets (space, energy, resources, costs, etc.), ensuring efficient operation and maintenance to enhance asset longevity and yield a high return on government investment.

COURSE OBJECTIVE

Life Cycle Cost (LCC) is a process of evaluating the economic performance of an asset over its entire life. Sometime known as 'total cost of ownership'. Take an example of building system, LCC balances initial monetary investment with the long term expense of owning and operating the building. In other words, LCC is an essential design process for controlling the initial and the future cost of building ownership. Basically, in government immovable asset management procedure, there are 4 phases of asset life cycle that consists of Planning Phase (Fasa Perancangan), Design/Built Phase (Fasa Pewujudan), Operation & Maintenance Phase (Fasa Penggunaan) and Disposal Phase (Fasa Pelupusan). LCC can be implemented at any phase, at any level of the design process and can also be an effective tool for evaluation of existing asset systems. By comparing the life cycle costs of various design configurations, LCC can explore trade-offs between low initial costs and long term cost savings.

Furthermore, The Malaysian government has even welcomed LCC as a significant tool in supporting the Government Green Procurement (GGP), aside from seeing it as one of the awarding criteria for making decisions. Thus, more effective efforts must be strategized by the industry to promote its application in this area. While procurement contracts are still awarded on the basis of the most economically advantageous offer, life-cycle costing takes into account all the costs that will be incurred during the lifetime of the asset, facility, product, project, contract or service.

The purpose of conducting this course is an approach used to assess the total cost of owning an asset, product, contract, facility or running a project. LCC considers all the costs associated with obtaining, owning, and disposing of an investment. This analysis allows you to evaluate your asset's economic performance throughout its lifetime; therefore, enabling you to make a more informed decision and strategic decision making when choosing the right method and design for a construction asset.

SPEAKER'S PROFILE

Ir. Ts. Dr. Mohamad Adzizulrohim Abd Malek, an experienced Mechanical Engineer, holds the position of Senior Engineer at JKR and serves as the department's subject matter expert in Asset Management, Facility Management, Life Cycle Costing (LCC), and Total Asset Management.

With a career spanning from January 2003, Dr. Adzizul has worked in various government departments and agencies, including the Public Works Department (JKR) (Head Office & States), the Ministry of Education Malaysia, the Ministry of Higher Education Malaysia, and the Ministry of Finance Malaysia.

His extensive teaching experience of 13 years commenced in 2011 when he joined the Building Facility Maintenance Division (BSFB) at JKR Malaysia. Since then, he has regularly conducted seminars and lectures on Government Asset Management Policy (DPAK) and Comprehensive Asset Management Manual (MPAM). He is also well-versed in topics related to Life Cycle Costing (LCC) and Total Asset Management.

Dr. Adzizul holds a Bachelor's degree in Mechanical Engineering from the Universiti Teknologi Malaysia (UTM), a Master's degree in Engineering Management from the Universiti Putra Malaysia (UPM), and a Doctor of Philosophy (Asset & Facilities Management) from the Universiti Malaya (UM). He is a certified Professional Engineer (PEPC C114000) and an ASEAN Chartered Professional Engineer (ACPE NO:02784). Additionally, he is a Technologies Member of the Institution of Engineers Malaysia (IEM) with membership No. 121848 and also the HRDF Trainer with certificate no 13270.

COURSE SCHEDULE

TIME	MODULE	CONTENT
8.30 AM to 9.00 AM	Registration	☐ Registration
9.00 AM to 9.15 AM	Introduction	☐ Ice-breaking ☐ Learning Module Briefing
9.15 AM to 10.45 AM	Slot 1 • Introduction to Government Asset Management • Introduction Life Cycle Cost (LCC) • Life Cycle of Asset	☐ Government Asset Policies (DPAK), Manual (MPAM) and Procedures (TPATA). ☐ Government Asset Classification. ☐ Introduction to Life Cycle Cost in Government ☐ LCC Guideline ☐ Standardize Life Cycle of Government Asset a) Plan Phase (<i>Fasa Perancangan</i>) b) Design/Built Phase (<i>Fasa Pewujudan</i>) c) Operation Phase (<i>Fasa Penggunaan</i>) d) Disposal Phase (<i>Fasa Pelupusan</i>)
10.45 AM to 11.15 AM	TEA BREAK	
11.15 AM to 12.45 PM	Slot 2 • Calculations of Life Cycle Cost a) Manual b) Factor Table c) Finance Table	☐ Basic calculation of Life Cycle Cost by using 3 methods such as Manual, Factor Table and Finance Table. ☐ Examples of calculation
12.45 PM to 2.00 PM	LUNCH BREAK	
2.00 PM to 3.30 PM	Slot 3 • Life Cycle Cost Analysis (LCCA)	☐ Case Study of LCCA by JKR Malaysia ☐ Case Study 1 (Building) ☐ Case Study 2 (Road) ☐ Case Study 3 (M&E System)
3.30 PM to 4.00 PM	TEA BREAK	
4.00 PM to 5.00 PM	Slot 4 • Issues of LCC • Questions and Answers Session	☐ The importance of LCC in asset life cycle. ☐ Application of LCC in government sector ☐ Restriction/Problem of LCC ☐ Way forward of LCC

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

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Chairman,
Public Sector Engineers Special Interest Group
The Institution of Engineers Malaysia,
Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7890 0133 Fax to 03-7957 7678
Email: ezzaty@iem.org.my

Website: www.myiem.org.my

REGISTRATION FORM

**VIRTUAL ONE DAY COURSE ON
"GOVERNMENT ASSET MANAGEMENT: LIFE CYCLE COST (LCC)"
24 JUNE 2024
(rescheduled from 10 JUNE 2024)
Closing Date: 15 JUNE 2024**

No	Name(s)	Email Address	IEM Membership No.	Grade	Fee (RM)
SUB TOTAL					
+SST 8%					
Total Payable					

Cash RM _____

Cheque no. _____ for the amount of RM _____ (non-refundable) .

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation: _____

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Signature & Stamp

Date

Photocopies are acceptable