

SULIT



**KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI**

**BAHAGIAN PEPERIKSAAN DAN PENILAIAN
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI
KEMENTERIAN PENDIDIKAN TINGGI**

JABATAN KEJURUTERAAN AWAM

PEPERIKSAAN AKHIR

SESI II : 2024/2025

DCQ30132 : PROFESSIONAL PRACTICE 1

TARIKH : 26 MEI 2025

MASA : 8.30 PAGI - 10.30 PAGI (2 JAM)

Kertas ini mengandungi **SEMBILAN (9)** halaman bercetak.

Bahagian A: Subjektif (2 soalan)

Bahagian B: Subjektif (4 soalan)

Dokumen sokongan yang disertakan : Tiada

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIARAHKAN

(CLO yang tertera hanya sebagai rujukan)

SULIT

SECTION A : 50 MARKS***BAHAGIAN A : 50 MARKAH*****INSTRUCTION:**

This section consists of **TWO (2)** subjective questions. Answer **ALL** questions.

ARAHAN :

Bahagian ini mengandungi DUA (2) soalan subjektif. Jawab SEMUA soalan.

QUESTION 1***SOALAN 1***

- CLO1 (a) Identify **FIVE (5)** roles of the Board of Quantity Surveyor Malaysia (BQSM).
Kenalpasti LIMA (5) peranan Lembaga Juruukur Bahan Bahan (LJUBM).
[5 marks]
[5 markah]
- CLO1 (b) The construction process can be broken down into several stages based on the project's size and scope. Explain **FOUR (4)** stages of a construction project.
Proses pembinaan boleh dipecahkan kepada beberapa peringkat bergantung kepada saiz dan skop projek. Jelaskan EMPAT (4) peringkat projek pembinaan.
[8 marks]
[8 markah]

- CLO1 (c) The Royal Institute of British Architect (RIBA) framework is for organizing and managing construction projects. It provides a structured approach, defining key stages in the design, development and construction of a building. Determine **SIX (6)** stages of construction works according to RIBA Plan of Work.

Rancangan Kerja RIBA adalah rangka kerja bagi mengatur dan mengurus projek pembinaan. Ia menyediakan pendekatan yang tersusun, mentafsir tahap-tahap asas dalam rekabentuk, pembangunan dan pembinaan bangunan. Tentukan ENAM (6) peringkat kerja pembinaan mengikut pelan kerja RIBA.

[12 marks]

[12 markah]

QUESTION 2**SOALAN 2**

- CLO1 (a) The procurement process in construction refers to the steps taken by client to acquire goods, services, and contractors necessary for a project. Identify **FIVE (5)** principles in the selection of procurement method that is practiced in the construction industry.

*Proses perolehan dalam projek pembinaan merujuk kepada langkah-langkah yang diambil oleh pelanggan dalam mendapatkan produk, perkhidmatan dan kontraktor pembinaan yang perlu bagi sesuatu projek. Terangkan **LIMA (5)** prinsip dalam pemilihan kaedah perolehan yang diamalkan dalam industri pembinaan.*

[5 marks]

[5 markah]

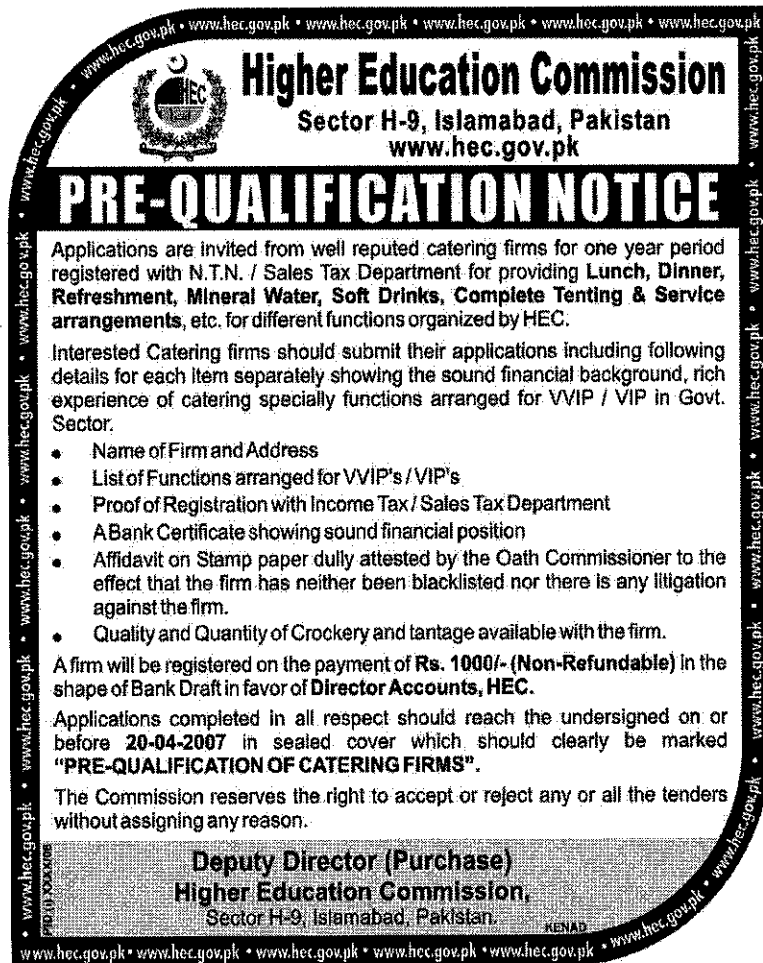
The government wants a project to be executed as early as possible by a reputable contractor who offers the most reasonable price & completion period.

- CLO1 (b) As a Quantity Surveyor appointed by the government, identify the appropriate tender method that can be used to execute the construction project.

Selaku perunding Juruukur Bahan yang telah dilantik oleh kerajaan, kenalpasti kaedah tender yang sesuai digunakan untuk melaksanakan projek pembinaan.

[8 marks]

[8 markah]



Higher Education Commission
Sector H-9, Islamabad, Pakistan
www.hec.gov.pk

PRE-QUALIFICATION NOTICE

Applications are invited from well reputed catering firms for one year period registered with N.T.N. / Sales Tax Department for providing **Lunch, Dinner, Refreshment, Mineral Water, Soft Drinks, Complete Tenting & Service arrangements**, etc. for different functions organized by HEC.

Interested Catering firms should submit their applications including following details for each item separately showing the sound financial background, rich experience of catering specially functions arranged for VVIP / VIP in Govt. Sector.

- Name of Firm and Address
- List of Functions arranged for VVIP's / VIP's
- Proof of Registration with Income Tax / Sales Tax Department
- A Bank Certificate showing sound financial position
- Affidavit on Stamp paper duly attested by the Oath Commissioner to the effect that the firm has neither been blacklisted nor there is any litigation against the firm.
- Quality and Quantity of Crockery and Lantage available with the firm.

A firm will be registered on the payment of **Rs. 1000/- (Non-Refundable)** in the shape of Bank Draft in favor of **Director Accounts, HEC**.

Applications completed in all respect should reach the undersigned on or before **20-04-2007** in sealed cover which should clearly be marked **"PRE-QUALIFICATION OF CATERING FIRMS"**.

The Commission reserves the right to accept or reject any or all the tenders without assigning any reason.

Deputy Director (Purchase)
Higher Education Commission,
Sector H-9, Islamabad, Pakistan.

Figure 1 / Rajah 1

CLO1 (c) Based on Figure 1 above, explain **THREE (3)** advantages and **THREE (3)** disadvantages of pre-qualification tender.

*Berdasarkan Rajah 1 di atas, terangkan **TIGA (3)** kebaikan dan **TIGA (3)** keburukan tender prakelayakan.*

[12 marks]

[12 markah]

SECTION B : 50 MARKS**BAHAGIAN B : 50 MARKAH****INSTRUCTION:**

This section consists of **FOUR (4)** subjective question. Answer **TWO (2)** questions.

ARAHAN:

*Bahagian ini mengandungi **EMPAT (4)** soalan subjektif. Jawab **DUA (2)** soalan.*

QUESTION 1**SOALAN 1**

- CLO1 (a) The Turnkey project in Malaysia's construction industry refers to a contract where the contractor is responsible for the entire project delivery from design to completion, and the client receives a fully operational facility, ready for use. Explain **FIVE(5)** characteristics of Turnkey procurement method.

*Projek 'Turnkey' di Malaysia merujuk kepada kontrak di mana kontraktor bertanggungjawab ke atas keseluruhan projek bermula dari rekabentuk sehingga penyiapan dan klien menerima fasiliti beroperasi penuh dan sedia untuk diguna. Terangkan **LIMA(5)** ciri-ciri kaedah perolehan 'Turnkey'.*

[10 marks]

[10 markah]

- CLO1 (b) The government intends to construct a mega infrastructure project to fulfill the needs of the public and all the responsibilities borne by the contractor from the land ownership stage until the project is fully completed and will only take over once the concession period has ended. Determine the appropriate procurement method that can be proposed to the government.

Kerajaan bercadang untuk membina projek infrastruktur mega demi memenuhi keperluan orang awam dengan segala tanggungjawab akan ditanggung oleh kontraktor dari peringkat pemilikan tanah sehingga projek tersebut siap

sepenuhnya dan hanya akan mengambil alih setelah tempoh konsesi tamat. Tentukan kaedah perolehan yang sesuai untuk dicadangkan kepada kerajaan.

[15 marks]

[15 markah]

QUESTION 2

SOALAN 2

- CLO1 (a) To ensure that the tender process is carried out effectively, the principles of governmental acquisition policies have been introduced in Malaysia. Explain **FIVE(5)** principles of governmental acquisition policies in preparation for the tendering procedure.

*Bagi memastikan proses tender dilaksanakan secara berkesan, dasar perolehan kerajaan telah diperkenalkan di Malaysia. Terangkan **LIMA(5)** asas dasar perolehan kerajaan dalam penyediaan tatacara menender.*

[10 marks]

[10 markah]

- CLO1 (b) A client intends to build a 2-storey bungalow building with the budget of RM 1,000,000.00. He wants the project to be completed as quickly as possible with minimum documentation tasks, better management of tender process and highest quality of works on site by qualified contractor with outstanding record. Based on the statement, explain the type of tender method that is suitable to be proposed to the client.

Seorang klien berhasrat untuk membina sebuah bangunan banglo 2-tingkat dengan bajet sebanyak RM 1,000,000.00. Beliau mahukan projek tersebut disiapkan secepat mungkin, kerja-kerja dokumentasi pada tahap minimum, pengurusan proses tender yang lebih baik dan kualiti kerja yang terbaik di tapak bina oleh oleh kontraktor bertaauliah dengan rekod cemerlang. Berdasarkan pernyataan tersebut, terangkan kaedah tender yang sesuai dicadangkan kepada klien tersebut.

[15 marks]

[15 markah]

QUESTION 3**SOALAN 3**

- CLO1 (a) Tender Document and Tender Table Document are two important documents prepared during tender process. Explain **FIVE(5)** differences between Tender Document and Tender Table Document.

*Dokumen Tender dan Dokumen meja Tender adalah antara 2 dokumen penting yang disediakan semasa proses tender. Terangkan **LIMA(5)** perbezaan antara Dokumen Tender dan Dokumen meja Tender.*

[10 marks]

[10 markah]

- CLO1 (b) A tender document contains all the information required by contractors to estimate the cost of a project. Explain in detail any **FIVE (5)** contents of tender document based on PWD203A (Rev. 1/2010) Standard Form of Contract.

*Dokumen tender mengandungi semua maklumat yang diperlukan oleh kontraktor untuk menganggarkan kos sesuatu projek. Terangkan secara terperinci **LIMA (5)** kandungan dokumen tender yang perlu disediakan berdasarkan Borang Kontrak Piawai PWD203A (Rev. 1/2010).*

[15 marks]

[15 markah]

QUESTION 4**SOALAN 4**

- CLO1 (a) Tender evaluation is a structured process used to assess and select the most suitable contractor for a project. Explain **FOUR (4)** criteria that are evaluated in the first stage of tender evaluation.

*Penilaian tender adalah proses berstruktur untuk mengeksekusi dan memilih kontraktor yang paling sesuai bagi sesuatu projek. Terangkan **EMPAT (4)** kriteria yang dinilai dalam penilaian tender peringkat pertama.*

[10 marks]

[10 markah]

- CLO1 (b) Letter of Acceptance is an official document issued by a client to notify a successful tenderer that their tender proposal has been accepted. Determine **FIVE (5)** importance of a letter of acceptance between a client and contractor in the construction industry.

*Surat penerimaan adalah dokumen formal yang dikeluarkan oleh klien untuk memaklumkan penender yang berjaya bahawa tawarannya diterima. Tentukan **LIMA (5)** kepentingan surat penerimaan antara pelanggan dan kontraktor dalam industri pembinaan.*

[15 marks]

[15 markah]

SOALAN TAMAT