



**TENDER FOR THE DESIGN, SUPPLY, INSTALLATION, TESTING AND
COMMISSIONING, MAINTENANCE, AND TECHNICAL SUPPORT
SERVICES OF VEHICLES EQUIPPED WITH MULTIMODAL MOBILE
RADIOCOMMUNICATIONS SERVICES AND INTERNET CAPABILITIES -
"PRIMAL RADIOCOMMUNICATIONS AND INTERNET ON THE MOVE
("PRIME")"**

Tender Briefing
7 August 2024

OBJECTIVE

Session 1 :

- Briefing on the project
- Q & A

Session 2 :

Tender Compliance

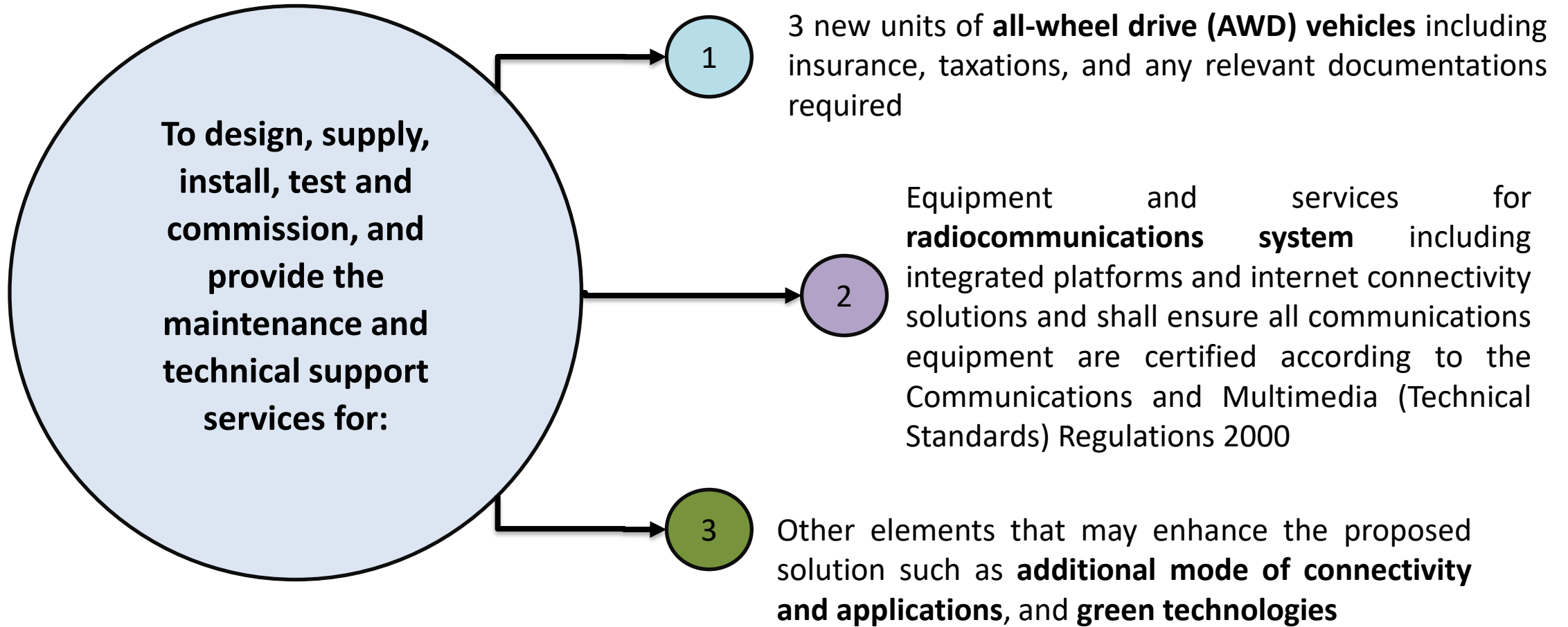
TENDER REQUIREMENTS

No.	Information	Details
1	Mode of Tender	Open Tender
2	Mandatory Requirement	The Tenderer (as defined herein) shall be a local company that is incorporated in Malaysia and is required to have a valid certificate of registration issued by the Companies Commission of Malaysia (hereinafter referred to as “CCM”)
3	General Requirement of the Tenderer	Tenderers with valid Sijil Akuan Pendaftaran Syarikat Bumiputera issued by the Ministry of Finance are encouraged to participate (if applicable)

TERMS AND CONDITIONS

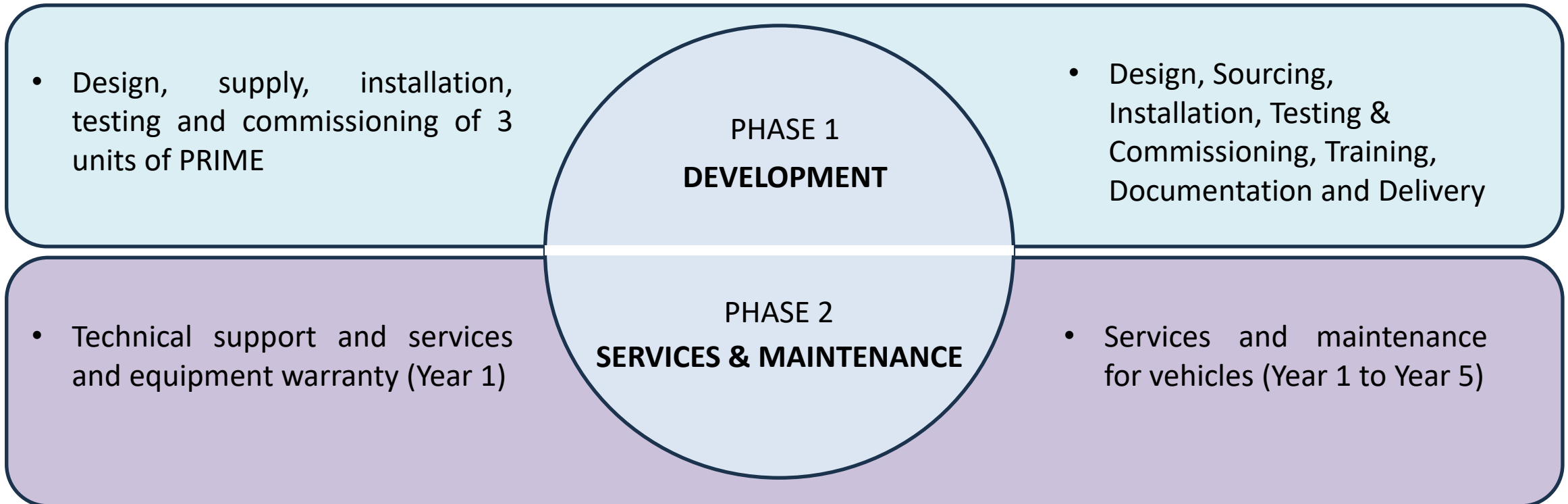
No.	Information	Details
1	Performance Bond	Performance bond shall be equivalent in value to 5% of the Contract Sum
2	Agreement	The Successful Tenderer shall be required to enter into an Agreement with MCMC, incorporating the terms and conditions of the Tender and all other relevant provisions
3	Terms of Payment	<p>The Successful Tenderer may request for an advance payment of up to 25% of the Contract Sum. This request must be accompanied by collateral of equivalent value in the form of a Bank Guarantee. The request and accompanying Bank Guarantee must be submitted to MCMC no later than 3 months after the issuance of Letter of Award (LoA) or the execution of the Agreement (whichever is earlier), subject to fulfilment of the following requirements:</p> <ul style="list-style-type: none"> • Acceptance of the LoA or the execution of the Agreement; • Submission of the Performance Bond; and • Submission of the insurance policies as stated in the Agreement.
4	Indicative Price	The indicative price for the Work is Ringgit Malaysia Four Million Nine Hundred Thousand Only (RM4.9 million) inclusive of any duties or taxes imposed by the Government of Malaysia

GENERAL



SCOPE OF WORK

The design, supply, installation, testing and commissioning, maintenance, and technical support services of **vehicles equipped with multimodal mobile radiocommunications services and internet capabilities** - “Primal Radiocommunications and Internet on the Move (“PRIME”)” consist of:



42. DESIGN

The Tenderer shall:

42.1 propose the design of PRIME complete with the layout and schematic diagram of radiocommunications system based on the models and requirements below:

Package A: 2 units of pickup from different models and 1 unit of SUV; and

Package B: 3 units of SUV from same model

No	Requirement	Specification
1	Engine capacity	Min. 2.0L
2	Power output	Min. 200hp
3	Torque	Min. 300Nm
4	Fuel type	Hybrid or petrol (min. RON95) or diesel

Note: Specifications of the vehicles in Package A and B as set out under Appendix I (in the tender document)

42.2 ensure that the proposed models of vehicles have comprehensive **after-sales service support** available locally and to provide documentation proving the availability of after-sales service support

42.3 submit **engineering system and vehicle drawings** with details of mechanical setup including power supply and electrical system and other relevant systems design to a Professional Engineer for approval

42.4 propose and submit a **schematic diagram** on the integration of the radiocommunications systems including power supply and electrical system to ensure its optimal operation and usage. All requirements as set out under Appendix I for PRIME in the engineering system and vehicle drawings

42.5 retained the usage class for PRIME vehicles as per existing **individual usage class** as stated in the existing vehicle registration certificates

42.6 propose **green elements** for high energy efficiency into the design of PRIME to reduce total power consumption and lower carbon emission generated by the vehicles during the operation



APPENDIX I: TECHNICAL & GENERAL SPECIFICATIONS

SPECIFICATIONS FOR VEHICLE
Vehicle
Interior
Power supply & electrical system
Tyres & wheels
Safety & security
General vehicle requirements

SPECIFICATIONS FOR RADIOCOMMUNICATIONS SYSTEM
Internet connectivity
Wi-Fi extender & mesh Wi-Fi
Mobile radio
Integration platform
Operator user terminal
Subscriptions
Other relevant technical requirements

GENERAL REQUIREMENTS
Equipment & system integration
Testing & commissioning
Project management
Vehicle delivery
Technical support
Maintenance
Hardware immediate placement
Network monitoring services
Training & simulation exercise
Added value

43. SOURCING

The Successful Tenderer shall:

- | | |
|------|---|
| 43.1 | procure 3 units of AWD vehicles , designed according to the proposed specifications and subject to MCMC's final approval, to house the radiocommunications systems for PRIME |
| 43.2 | procure all equipment for the radiocommunications systems and the listed peripherals as the specifications in Appendix I |
| 43.3 | procure other proposed elements that may enhance the solution such as additional mode of connectivity and applications |

44. INSTALLATION

The Successful Tenderer shall:

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|------|--|
| 44.1 | install complete radiocommunications systems in the 3 vehicles that are capable to perform the functionalities as per specifications in Appendix I |
| 44.2 | integration of the radiocommunications systems is carried out to ensure seamless interoperability with the communication networks |
| 44.3 | perform rigorous testing to verify the functionality and reliability of the radiocommunications systems under various conditions |
| 44.4 | perform corrective maintenance work at own cost for the relevant defective or faulty systems and/or vehicle parts In the event of defects or faults found during installation work |
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45. TESTING AND COMMISSIONING

The Successful Tenderer shall:

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|------|---|
| 45.1 | <p>perform testing and commissioning for 3 units of PRIME before delivery. Successful Tenderer shall perform final testing and commissioning known as UAT and FAT:</p> <p>45.1.1. UAT is an on-site verification for all requirements in the vehicles with technical specifications for radiocommunications systems of PRIME (as in Appendix I) which will be held in an environment that can demonstrate the usage of the solution including at remote area with no or limited communications signal and on the move</p> <p>45.1.2 FAT is the final testing before commissioning of the 3 units of PRIME at MCMC Headquarters in Cyberjaya</p> |
| 45.2 | <p>propose actual location and environment for the UAT and during the testing and commissioning, at least 2 MCMC officers shall witness all tests and demonstration that will be undertaken</p> |
| 45.3 | <p>submit a comprehensive checklist or documentation for the UAT and FAT to the MCMC for approval at least 1 month before the testing exercises. The checklist or documentation shall consist of comprehensive tests to verify and confirm that all requirements are met</p> |

46. TRAINING

The Successful Tenderer shall:

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|------|--|
| 46.1 | provide all relevant trainings that are required for selected MCMC officers to be competent and self-reliant to operate PRIME |
| 46.2 | provide training to at least 30 MCMC officers conducted in 2 sessions |
| 46.3 | submit training module and provide complete set of training materials including the Train-the-Trainers module in softcopy and hardcopy to all participants on the training day(s) |
| 46.4 | propose schedule of the training to the MCMC for consent at least 1 month before the training |
| 46.5 | handle all training arrangements and bear all costs related to venue, food and beverages |

47. DOCUMENTATIONS

The Successful Tenderer shall:

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|------|--|
| 47.1 | provide 4 sets of instruction manual documents in hardcopies and softcopies via thumb drives before the training that contain detailed user manuals and information of PRIME as well as the radio communications system |
| 47.2 | provide 4 sets of Standard Operating Procedure (SOP) documents in hardcopies and softcopies via thumb drives before the training that contain comprehensive and step-by-step guidance setup, operational use and maintenance of PRIME. MCMC may instruct the Successful Tenderer to revise the SOP document(s) for improvements upon submission, until it meets the expectation of the MCMC |
| 47.3 | provide a comprehensive list of equipment or software for PRIME for MCMC's record |
| 47.4 | ensure the solution (vehicles and installed equipment) are insured and provide details of the insurance policy for MCMC safekeeping |
| 47.5 | submit any other documentations needed by the MCMC as and when required |
| 47.6 | obtain any other approval(s) needed by the relevant authority(ies) on behalf of MCMC throughout project implementation, and warranty and maintenance services period, if any |

48. DELIVERY

The Successful Tenderer shall:

48.1 deliver PRIME to the respective MCMC State Office locations as listed below after completing the training:

Vehicle Type	Location
PRIME - 01	Headquarters Office MCMC Tower 1, Jalan Impact, Cyber 6, 63000 Cyberjaya, Selangor
PRIME - 02	Sarawak State Office Block D, i-Com Square, Jalan Pending, 93450, Kuching, Sarawak
PRIME - 03	Sabah State Office Suite 3-01, Tingkat 4, Menara MAA, Lorong Api-Api 1, Api-Api Centre, 88000 Kota Kinabalu, Sabah

Certificate of Final Acceptance will be issued after the PRIME vehicles have been delivered successfully

48.2 bear all costs related to the delivery of PRIME to the respective PRIME delivery locations (as above)

48.3 ensure that all PRIME are in pristine condition prior to the delivery of the vehicles to the respective MCMC offices as specified above

48.4 perform Pre- and Post Delivery Inspection for PRIME with MCMC personnel based in MCMC Headquarters, MCMC State Office of Sabah and Sarawak respectively. The inspection shall be based on the comprehensive checklist approved by MCMC

48.5 bear all costs in repairing and replacing part(s) of damaged systems including vehicle part(s) which are broken or damaged due to the Successful Tenderer personnel's mishandling in the course of transporting the PRIME to the respective MCMC office locations

49. WARRANTY, MAINTENANCE AND TECHNICAL SERVICES

The Successful Tenderer shall:

- 49.1 maintain the vehicles including vehicle services and vehicle parts replacement according to typical vehicles maintenance schedule for PRIME with **5 years Warranty Period** immediately upon delivery of vehicle
- 49.2 submit the **detailed maintenance plan** for 5 years for MCMC's evaluation to maintain the vehicles including vehicle service and vehicle parts replacement throughout warranty and maintenance services including the frequency of the services as per recommendation by the manufacturer to prevent breakdown or failure during operation
- 49.3 maintain the **radiocommunications system** including power supply system, services and parts replacement according to typical maintenance schedule for PRIME with minimum of **1 year Warranty Period** immediately upon delivery of vehicle.
- 49.4 submit the **detailed preventive and corrective maintenance for 1 year** for MCMC's evaluation to maintain the radiocommunications and power supply systems. The preventive maintenance work shall include identifying the radiocommunications systems that need to be replaced among others but not limited to the power management system and others which are to be identified and proposed by the Tenderer and/or the MCMC
- 49.5 collect the PRIME from the MCMC Headquarters, MCMC State Office of Sabah and Sarawak and send to the authorized service centre(s) of the vehicle manufacturer for regular vehicle maintenance service as and when recommend authorised service centre. Successful Tenderer shall identify the authorised service centre within the vehicle's location vicinity for the respective vehicles manufacturer
 - send the vehicles to be serviced at another authorised service centre should the present authorised service centre is unable to provide vehicle service and/or any spare parts replacement for PRIME and/or due to other various reasons.

OTHER REQUIREMENTS

50. QUALIFICATION, EXPERIENCE & PERSONNEL

- i. personnel that shall undertake the work
- ii. experiences with **brief description on previous projects** related
- iii. project **team structure**, including their respective roles and responsibilities

51. REPORTS AND PRESENTATIONS

- i. prepare & submit **reports and/or presentations** in relation to the Work within the specified timeline
- ii. provide a **comprehensive project report** before project closure, including but not limited to, deliverables completed, project overview and descriptions of each step undertaken from the beginning of the project until its completion including challenges, improvements and recommendations

52. ADDITIONAL REQUIREMENTS

- i. plan for **periodic meetings** and to **provide progress** reports on the latest developments relating to the Work
- ii. available on standby to address any ad hoc queries related to the Work and shall **provide response in a timely manner**

TIMELINE

No.	Deliverable	Indicative Timeline
1	Upon acceptance of Letter of Award or execution of the Agreement	T0
2	User Acceptance Test (UAT), simulation, completion and delivery of PRIME – 01	T0 + 4 months
3	Training for PRIME – 01	T0 + 5 months
4	UAT, completion and delivery of PRIME – 02 and PRIME – 03	T0 + 8 months
5	Training for PRIME – 02 and PRIME – 03	T0 + 9 months
6	PRIME – 02 and PRIME – 03 delivery to the MCMC State of Sabah and Sarawak	T0 + 10 months
7	Project completion (including documentation)	T0 + 12 months
8	Issuance of Certificate of Final Acceptance	T0 + 12 months

- Tenderer shall provide a Gantt chart that consists of project timeline as according to the Scope of Work
- Tenderer that proposes delivery schedule ahead of the indicative timeline will have an added advantage

SCHEDULE OF PAYMENT

Payment Milestone	Deliverable	Percentage
Phase 1: Development		
1	Delivery of one (1) unit of PRIME – 01	35
2	Delivery of one (1) unit of PRIME – 02	30
3	Delivery of one (1) unit of PRIME – 03	35
Phase 2: Services and Maintenance		
1	Submission of Year 1 Services and Maintenance Report for Vehicles	20
2	Submission of Year 2 Services and Maintenance Report for Vehicles	20
3	Submission of Year 3 Services and Maintenance Report for Vehicles	20
4	Submission of Year 4 Services and Maintenance Report for Vehicles	20
5	Submission of Year 5 Services and Maintenance Report for Vehicles	20

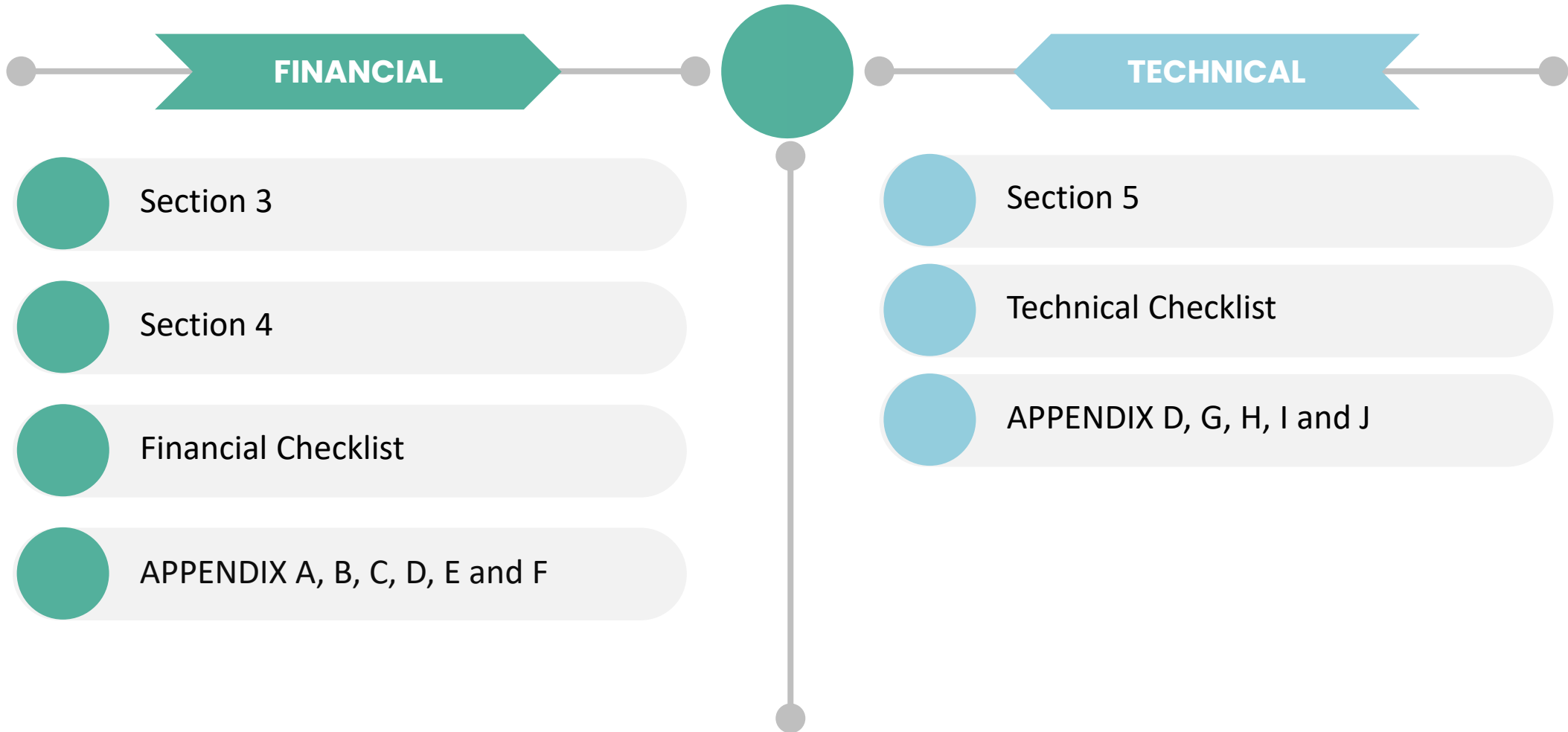
TENDER COMPLIANCE

HOW TO PURCHASE TENDER DOCUMENT

[URL : https://msmart.mcmc.gov.my/web/index.php](https://msmart.mcmc.gov.my/web/index.php)



TENDER SUBMISSION



Financial Submission:

1 Original (hardcopy) + 1 Copy (hardcopy)
+ 1 digital copy of scanned documents in pdf format (USB flash drive)

Technical Submission:

1 Original (hardcopy) + 1 Copy (hardcopy)
+ 1 digital copy of scanned documents in pdf format (USB flash drive)

SAMPLE APPENDIX D

Appendix D for Financial Submission:

No.	Item	Qty / Vehicle	Unit Price (RM)	Total Qty	Total Price (RM)
(A) Vehicle					
1.	Vehicle I (Pickup)	1	*to insert price	1	*to insert price
2.	Vehicle II (Pickup)	1		1	
3.	Vehicle III (SUV)	1		1	
4.	Design works	LS		LS	
5.	Installation, testing, and commissioning	LS		LS	
6.	Power supply and electrical system	LS		LS	

*Tenderer to provide a details price for each item

SAMPLE APPENDIX D

Appendix D for **Technical Submission**:

No.	Item	Qty / Vehicle	Unit Price (RM)	Total Qty	Total Price (RM)
(A) Vehicle					
1.	Vehicle I (Pickup)	1	Quoted	1	Quoted
2.	Vehicle II (Pickup)	1	Quoted	1	Quoted
3.	Vehicle III (SUV)	1	Quoted	1	Quoted
4.	Design works	LS	Not Quoted	LS	Not Quoted
5.	Installation, testing, and commissioning	LS	Not Quoted	LS	Not Quoted
6.	Power supply and electrical system	LS	Quoted	LS	Quoted

Tenderer also to include Appendix D in the **Technical Submission** without company name and price. To replace price with **“Quoted”** or **“Not Quoted”**

IMPORTANT NOTES

1. All information and updates will be on MCMC website.
2. Attach the Tender Deposit to the Form of Tender Document (Appendix B). **Tender submissions without the Tender Deposit shall be disqualified.**
3. Be aware and comply with the required signatories. Please ensure that the Tenderer's official company stamps, and authorized signature appear on all pages of the Financial Submission only.
4. **No company name/info/logo in the Technical Submission (redact).** Failure to comply with this may invalidate the Tenderer's tender submission. This is including the evidence sent in the technical submission.
5. The MCMC Tender Secretariat will be the only point of contact for this project (tender@mcmc.gov.my).

TENDER TIMELINE



30 July 2024

TENDER ISSUANCE



7 August
2024

**TENDER BRIEFING
SESSION**



12 August
2024

**TENDER
CLARIFICATION ENDS**

- **Before 5.00pm**
- Strictly via email only to tender@mcmc.gov.my
- The consolidated Q&A will be published in MCMC website



19 August
2024

**TENDER SUBMISSION /
TENDER CLOSING DATE**

- **On or before 12.00pm**
- MCMC CoE, Cyberjaya
- To complete Acknowledgement Form (2 copies)
- **Late submission shall be rejected**



Thank You



THANK YOU