

BORANG PENENTUAN TEKNIKAL

Tajuk Sebut Harga	QUOTATION FOR THE SUPPLY OF COMMERCIAL VEHICLE SYSTEM TO UNIVERSITI TEKNIKAL MALAYSIA MELAKA		
Skop Sebut Harga	This quotation is for supplying equipment and accessories for Commercial Vehicle Service & Maintenance Complete System and Accessories to the Industrial Technology Department, Fakulti Teknologi Kejuruteraan Mekanikal dan Pembuatan, Universiti Teknikal Malaysia Melaka		
Kod Bidang MOF	110104	Elemen GGP (Green Government Procurement)	Tiada Elemen GGP
No. Sebut Harga	UTeM/SH/078/2023		

NO.	SPESIFIKASI UMUM	JAWAPAN PEMBIDA
1.1.	SUPPLY AND DELIVERY	
1.1.1.	To supply, deliver, install, test, commission, and make good upon completion and proper hand-over the as-mention-below equipment's and accessories that to be placed in the respective designated area of Commercial Vehicle Service & Maintenance Complete System and Accessories as per Universiti Teknikal Malaysia Melaka's (UTeM) requirements.	
1.1.2.	The equipment should be fully operable without any failure and should be able to operate without any difficulties after it has been installed and commissioned, and it is expected to do so as warranted by the overall manufacturer and supplier guarantee.	

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1.1.3.	The equipment should be new and original with high level of quality, acceptable and adaptable for the normal experimental or normal production use. No demonstration or used equipment/software/system will be accepted unless stated in the specification.	
1.1.4.	All the necessary basic, standard, additional and optional accessories or attachments shall be completely prescribed , including auxiliary items that were needed by the equipment so as making the equipment a complete workable system according to its intended functionality.	
1.1.5.	The supplier must provide the appropriate references, instruction manual, catalogues and pamphlet of all the proposed items (of Section 2.0, item 2.1 and thereafter) for bidding and appraisal purposes. All documents listed above must be in English or Bahasa Malaysia.	
1.1.6.	The supplier is required to response to every item. In response to the technical specification, single word like "Noted" , "Agreed" , "Comply" or its equivalent should not be used. However, if single word has to be used, reference must be stated.	
1.1.7.	The supplier is requested to specify the earliest delivery and commissioning date . In addition, the supplier MUST submit a detail work schedule showing how the	

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	project is going to be executed to meet the stipulated time frame.	
1.1.8.	Any incomplete services rendered by the supplier e.g. supply, deliver, installation, testing and eventual handing over of the equipment/software and if UTeM has not cancelled the contracts (conferred on it by the General Conditions), the successful supplier shall pay, as liquidated damages an amount based on the formula given by UTeM. The amount so calculated from any money payable to the successful supplier by UTeM.	
1.1.9.	Both supplier and manufacturer are responsible to fulfill all the terms, conditions and guarantees entered into in the contract for supply, installation, operation and maintenance.	
1.1.10.	The supplier must abide and follow all Malaysian government regulations, laws pertaining to the importation, supply and delivery of the equipment.	
1.1.11.	All insurance cost pertaining to this project should be borne by the company during the course of this project.	
1.1.12.	UTeM reserves the right to accept or reject any extension of the period required for the deliver completion of the work.	

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1.1.13.	UTeM reserves the right not to accept the lowest price quoted for this project without any notification.	
1.2.	INSTALLATION, CONFIGURATION, TESTING	
1.2.1.	Installation cost of all items of equipment is the responsibility and borne by the successful supplier.	
1.2.2.	Installation site will be specified by UTeM. Any cost incurred due to unfamiliar circumstances of power (e.g. three/single phase electrical wiring and cabling work) and water supply or any other required services that result in installation and commissioning delay will be borne by the supplier. The supplier is advised to visit installation site. Please specify any other required services.	
1.2.3.	The supplier must abide and follow all Malaysian government regulations and procedures during the installation, testing and commissioning work. Where applicable, the supplier must seek an approval from local authorities.	

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1.2.4.	UTeM reserves the right not to accept the handing over if the work carried in 1.2.2 unsatisfactory. UTeM has the right to call other professional parties to complete the job satisfactory. The cost will be borne by the supplier.	
1.2.5.	A detailed "Acceptance Procedure" should be prepared in accordance with the manufacturer's testing procedure and submitted in the proposal. Before any actual testing carried out, this procedure needs to be approved by UTeM.	
1.2.6.	Commissioning report should be submitted upon successful completion of the work within fourteen (14) working days.	
1.2.7.	The certificate for the basic system of the specified equipment and its attachment shall be provided. Any deviation from the certified results, the equipment shall be replaced or corrected by the supplier on the supplier own expenses.	
1.2.8.	Installation, testing and commissioning of the equipment on site shall be done by qualified and experienced personnel. Cost of this project will be borne by the	

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	supplier and should be done to the best and accepted engineering practice.	
1.2.9.	The testing of Hardware and application proposed by the supplier shall be conducted by UTeM together with the supplier within the time frame and duration of the testing and commissioning.	
1.2.10.	The testing shall also apply to substitute, replacement and conversation of any component parts that are acquired by the UTeM in relation to this contract should the component fail to function as per specification. The supplier shall provide all consumable, tools, and testing equipment for the testing.	
1.2.11.	If, in the opinion of UTeM, the testing are reasonably delayed, component parts that are acquired by the UTeM in relation to this contract should the component fail to function as per specification. The supplier shall provide all consumable, tools and testing equipment for the testing.	

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1.2.12.	If, in the opinion of UTeM, the testing are reasonably delayed, UTeM may by notice in writing require the supplier to conduct the test within seven (7) days from receipt of such notice and the supplier shall make the test on such date or dates within the said seven (7) days as the supplier may fix and of which he shall give reasonable notice to UTeM. If the Supplier fails to conduct such test within the time, UTeM may itself proceed to conduct by UTeM shall be at risk and expense of the supplier.	
1.2.13.	The testing and commissioning report should be submitted upon successful completion of the work within fourteen working days (14).	
1.3.	WARRANTY PERIOD	
1.3.1.	The warranty period of equipment must not less than THREE (3) years and software must not less than ONE (1) year from the date of completion and handing over or as stated in the technical spec.	
1.3.2.	Any equipment and /or material defects and /or faulty operation due to manufacturer or installation shall be the responsibility of the supplier who shall immediately rectify and/or replace any such defects or faulty components.	

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1.3.3.	If during the warranty period, there is a defect in any of the equipment, which arises from the faulty material, design or workmanship, the supplier shall repair or at his option to replace the defective equipment at his own expenses.	
1.3.4.	The company is required to provide an original certified true copy of manufacturing/supplying warranty certificate for the hardware provided.	
1.3.5.	All labour cost and material needed during warranty period shall be supplied free of charge. Any exclusion shall be clearly specified in the document.	
1.3.6.	Suppliers shall include the necessary cost of warranty upon installation of the supplied equipment prior to the Final Acceptance Date.	
1.4.	MAINTENANCE	
1.4.1.	Full maintenance support of the equipment must be available locally. Competent personnel should provide the engineering and /or maintenance support.	

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1.4.2.	The company shall provide the outline of the total preventive maintenance schedule.	
1.4.3.	Please specify and/or clarify any calibration schedule as per necessary and compulsory equipment items offered.	
1.5.	SPARE PARTS	
1.5.1.	The delivery of the spare parts should be within 30 days once the request has been made.	
1.6.	MANUALS AND DOCUMENTATION	
1.6.1.	The successful supplier must provide three (3) sets comprising at least one (1) set of original and two (2) sets of duplicate of the following items:	
	i. Operation manuals	
	ii. Programming or/and configuration manuals	
	iii. User guide of equipment	
	iv. Maintenance manual	
	v. Troubleshooting manual	
	vi. Detailed network design	

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	vii. Instruction manuals for instructor	
	viii. Electrical wiring and circuit diagram	
	ix. Certificate of conformity	
1.6.2.	All documents listed above must be in English or Bahasa Melayu.	
1.6.3.	Manuals preferably in form of hard copy and soft copy in portable hardisk.	
1.7.	MISCELLANEOUS ITEMS AND EXCLUSION TERMS	
1.7.1.	The supplier shall provide complete toolkit and accessories for general servicing/maintenance, adjustments and repair of the equipment.	
1.7.2.	UTeM reserves the right not to consider and automatically reject supplier's offer which fails to comply any of the above -mentioned clause.	
1.7.3.	The successful supplier has to complete and endorse a Certificate of Completion upon handing over of the equipment.	

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1.7.4.	Please specify any exclusion terms of any activities of civil works, piping and plumbing and or any related services if applicable.	
1.7.5.	The supplier should provide any necessary schematic diagram of split system(s) to be incorporated in the equipments, if necessary.	
1.7.6.	The supplier shall guarantee the availability of a good after sales service for all the above-mentioned items.	
1.7.7.	Complete catalogue and photographs of the proposed systems should be provided. Photocopied catalogues will not be accepted for the purposes of UTeM evaluation.	
1.7.8.	Supplier shall guarantee the availability of goods after sales services for all equipment package supplied.	
1.8.	STAFF TRAINING	
1.8.1.	The successful supplier is required to provide and conduct proper and satisfactory onsite training (UTeM) for at least FIVE (5) UTeM's staffs for a minimum of TWO (2) days . A related training cost must be separately quoted from equipment/software supplied but inclusive in the supplier price	

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1.8.2.	Training work scopes consists of:	
	i. Equipment/software familiarization.	
	ii. General care and standard operating procedures.	
	iii. Equipment/software maintenance.	
	iv. Trouble shooting procedures.	
	v. Equipment and software usage	
1.8.3.	The above training must be sufficient to enable the UTeM staffs to use the equipment for its training purposes.	
1.8.4.	Notes, handouts, references etc. pertaining to the training must be in English or Bahasa Malaysia.	
1.8.5.	If UTeM found that the conducted training is deemed insufficient, the supplier should provide further training at supplier own cost.	
1.8.6.	The supplier should provide a training schedule for appropriate level.	
1.8.7.	The supplier should submit training report to UTeM.	

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1.9.	SUPPORT & SERVICES REQUIREMENT	
1.9.1.	The supplier shall propose the requirement for the maintenance and support of the item hardware and system software and any item proposed by the supplier.	
1.9.2.	The successful supplier shall be ready for a period of five (5) years upon the expiry of the warranty period, if so requested by the UTeM, to provide maintenance on the system, including the provision of spare parts, on an annually renewable basis.	

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NO.	SPESIFIKASI TEKNIKAL	KUANTITI	JENAMA, MODEL & NEGARA PEMBUAT	JAWAPAN PEMBIDA
2.1.	Diesel Engine On Stand System			
	a. Automatic transmission diesel engine on stand i. Complete wiring, ECU and meter panel with push/key start ii. Automatic transmission gear with gearbox ECU and wiring iii. Installed with stand	1 UNIT		
	b. Manual transmission diesel engine on stand i. Complete wiring, ECU and meter panel with push/key start ii. Manual 5 speed transmission gear with gearbox ECU and wiring iii. Installed with stand	2 UNIT		
2.2.	Bare Diesel Engine System			
	Bare Diesel Engine i. 4 cylinder vertical in-line, overhead valve, water cooled ii. Displacement CC. 4009	6 UNIT		

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NO.	SPESIFIKASI TEKNIKAL	KUANTITI	JENAMA, MODEL & NEGARA PEMBUAT	JAWAPAN PEMBIDA
	iii. Max output kW (ps) RPM – 104 (141) 2500 iv. Fuel injection system – common rail direct injection v. Supply without Wiring, Belting and Transmission			
2.3	Service & Maintenance Tools and Accessories			
	a. Vehicle OBD-II Scanner i. OS: Android Operating System ii. Case: Rubberized Protective Sleeve iii. CPU: Huawei Hi-Silicon K3V2 Quad Core 1.2 GHz iv. Battery: 6600 mAh lithium polymer rechargeable battery v. Memory: 1 GB vi. Storage capacity: 8 GB vii. LCD: 10.1 inch viii. LCD resolution: 1280 x 800 ix. Camera: 3.2 mega pixel rear & 0.3 mega pixel front x. Wifi enabled	2 UNIT		

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	xi. Touch screen: 10 points IPS capacitive xii. Working temperature: 0 – 55 °C xiii. Storage temperature: -5 – 70 °C			
	b. Automotive Tools & Cabinet i. W/8 – drawer tool trolley – 322 pcs	4 UNIT		
	c. Hydraulic Service Jack i. 5 ton with pedal	2 UNIT		
	d. 12 Ton Jack Stand i. Capacity: 12 Ton ii. Min height: 18 – 1/8” iii. Max height: 27 – 3/4” iv. Base dimension: 12 – 3/6 x 11”	2 UNIT		
	e. Heavy Duty Impact Wrench with Air Compressor i. Power: 2.5 HP ii. Voltage: 240v ~ 50Hz/60Hz iii. Pressure: 8 Bar / 120 PSI	1 SET		

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	f. Cordless High Torque Impact Wrench i. Voltage: 18V / 20V max ii. Max Torque: 136 / 407 / 950 Nm iii. Max Bolt Diameter: M24	2 SET		