

BIL	Quotation Reference	Description	Advertisement Date	Closing Date (Not Later Than 2.00PM)	Quotation Fee	Requesting Department	Focal Person
1	DSS/HS/PROC/B50K/2022-2023/14(PCY)	<p>TO SUPPLY, DELIVER, INSTALL, TEST AND COMMISSION ONE (1) UNIT OF ROTATIONAL VISCOMETER FOR PHARMACY SECTION, DEPARTMENT OF SCIENTIFIC SERVICE, MINISTRY OF HEALTH.</p> <p>PLACE OF SUBMISSION: QUOTATION BOX (GROUND FLOOR) MINISTRY OF HEALTH COMMONWEALTH DRIVE BANDAR SERI BEGAWAN, BB 3910 NEGARA BRUNEI DARUSSALAM</p>	14/02/2023	04/03/2023	\$5.00	JABATAN PERKHIDMATAN SAINTIFIK	TAN CHIEN HEE BAHAGIAN FARMASI TEL: 7115098

EQUIPMENT PURCHASE SPECIFICATION

TITLE OF TENDER/QUOTATION	TO SUPPLY, DELIVER, INSTALL, TEST AND COMMISSION ONE (1) UNIT OF ROTATIONAL VISCOMETER FOR PHARMACY SECTION, DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH.
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TENDER REFERENCE NO.	DSS/HS/PROC/B50K/2022-2023/14 (PCY)
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NAME OF ITEM	ONE (1) UNIT OF ROTATIONAL VISCOMETER
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NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
1	Viscometer instrument for measuring viscosity based on the measurement of torque (or the force) required for turning the measuring bob (spindle) against the fluid's viscous forces. Unit measured in mPa.s, or cP.				
2	Equipment to come with touchscreen display.				
3	Must fulfil the following technical specifications below:				
3.1	Viscosity range of at least: 1* to 6M mPa.s				
3.2	Viscosity test: Multipoint measurement				
3.3	Speed range: at 0.01 to 250 rpm, freely selectable				

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3.4	Viscosity Accuracy $\pm 1.0\%$ full scale range				
3.5	Viscosity Repeatability at $\pm 0.2\%$				
4	Viscometer must have automatic speed searching function to identify correct speed/spindle combination for each measurement. If the chosen setup is not appropriate, the viscometer should tell the user via the graphical user interface to use a smaller or bigger spindle.				
5	Magnetic coupling for easy one hand attachment/removal of spindles.				
6	Must include complete L spindles set including double gap measuring system with the necessary bob, cup and required adapter such as DIN adapter.				
7	Standard spindle material of SS316 for chemical resistance.				
8	Must have automatic features for: <ul style="list-style-type: none"> guard detection and recording for L, R and DIN Adapter searches of speed and spindle choice in order to reach a certain torque value. Performing an oscillation procedure after pressing "Start" to proof its bearing 				
9	The instrument must have a built-in digital levelling that automatically indicates correct levelling at: <ul style="list-style-type: none"> Start-up Before measurement During measurement After measurement 				
10	The instrument must be able to automatically detect the spindle and guard when attached.				

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11	All spindle data must be automatically delivered to the viscometer such as spindle identification and spindle correction factor.				
12	Each method must have the ability to be restricted using the viscometer software to only allow one certain spindle for measurement.				
13	The viscometer must come with a data management software with Pharma compliance according to GMP, GAMP 5 & FDA 21 CFR Part 12				
14	The instrument must come with software for data transfer. <ul style="list-style-type: none"> • Data memory & Print / export from data memory • Data can be exported manually using USB flash drive (in pdf or csv) 				
15	Certified Reference Materials to be included for QC check and calibration purposes.				
16	Must have pharma qualification package with Installation/Operational/Performance Qualification documents as well as relevant Certificate of Compliance.				
17	<u>ELECTRICAL REQUIREMENTS</u> Must be able to utilise mains power supply of 220-240 V AC, 50 – 60 Hz. Otherwise, tenderer to include the necessary accessories/arrangements to ensure appropriate power supply required by the equipment.				
18	<u>TRAINING</u> Training shall be included as follows:				
18.1	On-site training for ALL staff members expected to handle the machine. Please ensure that adequate time is allocated such that training will take place in				

	small groups to minimize staff shortage in the laboratory.				
18.2	Certificate of competence is to be issued to all trainees after completion of training.				
19	WARRANTY A minimum of two (2) year warranty of manufacture's defect on the hardware, software and all cost of repair should be provided.				
19.1	After-sales services must be provided for the product.				
19.2	Two (2) Time preventive maintenance to be carried at the 2 nd year and 3 rd year warranty period. Scope of work to follow manufacturer's recommendation specific for the equipment offered, which include: <ul style="list-style-type: none"> • Supply, delivery and installation of preventive maintenance kits and/or consumables • Software update (to obtain prior authorization from user and BME) • Inspection • cleaning • alignment • calibration • and any other related preventive maintenance works required 				
20	DELIVERY Items offered MUST be delivered within _____ from date of approval. (Vendor to indicate the delivery period.)				
21	PRICE VALIDITY Price validity MUST NOT BE LESS THAN 90 days or three (3) months.				
					TOTAL PRICE (\$)

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No.	GENERAL SPECIFICATIONS	VENDOR'S OFFER
A	Total Price: B\$	
B	Delivery Period:	
C	Model & Brand:	
D	Country of Origin:	(leave blank)
E	Where marketed:	
F	Year of Manufacture:	
G	Warranty:	
H	Power Requirement:	
I	Battery Back-up:	
J	International Safety Standard:	
K	Technical Support:	
L	Equipment Whole Life Support:	
M	Dimensions (WxHxD) cm:	
N	User Manuals:	

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No.	GENERAL SPECIFICATIONS	VENDOR'S OFFER
O	Service Manuals:	
P	Spare-parts & Consumables Listing:	
Q	Technical Training On-Site:	
R	Site Requirements:	

*To all participating companies, please fill in the table above along with your other documents during submission of tender.

Bahagian/Unit	<i>Bahagian Farmasi</i>		
Bil. Rujukan Bahagian/Unit:	PCY/PUR/22/20		
Pegawai di rujuk	Nama :	Tan Chien Hee	
	E-mail :	chienhee.tan@moh.gov.bn	
	Tel.No.:	7115098	Fax No. :-