

TENDER REF. NO.: KK/177/2026/DSS

**MINISTRY OF HEALTH
NEGARA BRUNEI DARUSSALAM**

**TO SUPPLY, DELIVER AND INSTALL LABORATORY
INSTRUMENT GRADE GASES (GASAEIOUS AND LIQUID
FORM) TO DEPARTMENT OF SCIENTIFIC, MINISTRY OF
HEALTH**

TENDER FEE : \$30.00

RECEIPT NO. :

CLOSING DATE : ON TUESDAY, 18th August 2026

TIME : 2.00 PM

FOA :

**THE CHAIRMAN
MINI TENDER BOARD, TENDER BOX
GROUND FLOOR, MINISTRY OF HEALTH
COMMONWEALTH DRIVE
BANDAR SERI BEGAWAN BB3910
NEGARA BRUNEI DARUSSALAM**

[NON-CLUSTERING]

SECTION 2

SPECIFICATIONS AND REQUIREMENTS

TENDER REFERENCE NO.: KK/177/2026/DSS

INVITATION TO TENDER

TO SUPPLY, DELIVER AND INSTALL LABORATORY INSTRUMENT GRADE GASES (GASEOUS AND LIQUID FORM) TO DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH

USER'S REQUIREMENTS				
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	CATALOGUE NUMBER (IF ANY)	PACKAGING SIZE	QUANTITY REQUIRED (PER YEAR)
1.0	<u>GENERAL</u>	-	-	
1.1	This tender is for the supply of laboratory instrument grade gases to all three (3) Department of Scientific Services (DSS) branches, namely the Main HQ, Madaras, and Serasa.	-	-	
2.0	<u>SCOPE OF WORK</u>	-	-	
2.1	The scope of work involves supply, delivery and installation of the following laboratory instrument grade gases (gases and liquids) to DSS. The tenderer is required to provide their own cylinders for exchange basis.	-	-	
2.2	Cylinders of individual types of gases are NOT allowed to be mixed during refilling.	-	-	
2.3	The tenderer is required to monitor the gas usage and the maintenance of gas cylinders.	-	-	
2.4	All cylinders supplied should bear a certified pressure testing mark on the cylinder.	-	-	
2.5	Pressure testing should be carried out every three years from the date stamped on the cylinder.	-	-	
2.6	Delivery of gases must be within office hours.	-	-	
3.0	<u>SCOPE OF SUPPLY</u>	-	-	
3.1	PURIFIED HELIUM I. Impurities: Moisture<2ppm, Oxygen<2ppm, Hydrocarbons<0.5ppm II. Minimum Total Purity: 99.9995% III. Gas pressure: 150 bar IV. Capacity: 6.6m3 V. Outlet valve type: BS 341 No. 3 VI. Quantity required: 1082.4 m ³	-	6.6 m ³ / cylinder	1082.4 m ³ (164 cylinders)
3.2	PURIFIED NITROGEN I. Impurities: Moisture<10ppm, Oxygen<5ppm II. Minimum Total Purity: 99.99% III. Gas pressure: 150 bar IV. Capacity: 6.8m3 V. Outlet valve type: BS 341 No. 8	-	6.8 m ³ / cylinder	136 m ³ (20 cylinders)

	USER'S REQUIREMENTS			
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	CATALOGUE NUMBER (IF ANY)	PACKAGING SIZE	QUANTITY REQUIRED (PER YEAR)
	VI. Quantity required: 136 m ³			
3.3	PURIFIED ARGON I. Impurities: Moisture<3ppm, Nitrogen<3ppm II. Minimum Total Purity: 99.999% III. Gas pressure: 150 bar IV. Capacity: 7.4 m ³ V. Outlet valve type: BS 341 No.3 VI. Quantity required: 976.8 m ³	-	7.4 m ³ / cylinder	976.8 m ³ (132 cylinders)
3.4	LIQUID ARGON I. Impurities: Moisture<10ppm, Oxygen<10ppm II. Minimum Total Purity: 99.99% III. Quantity required: 1500 litres	-	100 litres / cylinder	1500 litres (15 cylinders)
3.5	LIQUID NITROGEN I. Impurities: Moisture<5ppm, Oxygen<5ppm II. Minimum Total Purity: 99.9995% III. Quantity required: 175 litres IV. NO MINIMUM DELIVERY QUANTITY. The tenderer must be able to provide any quantity as specified by the end-user upon request.	-	-	175 litres
4.0	<u>SPECIFICATIONS OF CYLINDERS/DEWAR</u>	-	-	
4.1	<u>GASEOUS CYLINDERS</u> Successful tenderer should provide the cylinder during the supply of all gases and gaseous liquid with specifications as follows or better: I. Should not be more than 10 years old II. Specification: TO DOT - 3AA 2175 III. Material: 4130X, IV. ULT. Tensile: 105000 psi min, yield: 84000 psi min; elongation: 20% min on 2" V. Capacity: varies on each gas VI. Test pressure: 3625 psi (250 bar), working pressure: 2175 psi (150 bar) VII. Cap: 46175P, Collar: 46174P Rev2. Ref1, Collar thread: φ 80 x 11 T.P.I., Cylinder neck thread: Screwed to BS 341: part1: 1991 Type 25T. VIII. Stress at test pressure = 69954 psi	-	-	
4.2	Dewar to be used for delivery of Liquid Argon I. Physical feature:	-	-	

	USER'S REQUIREMENTS			
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	CATALOGUE NUMBER (IF ANY)	PACKAGING SIZE	QUANTITY REQUIRED (PER YEAR)
	a. Material made: 316 stainless steel or better. b. Maximum liquid Capacity: 100 litres c. Dimension: approx. Diameter: 50.8 cm, Height: 127 cm d. Empty tank weight: approx. 90 kg. II. Attachments: The following components should be the standard attachment on each tank: a. Safety devices: Pressure relief valves (350 psig), Safety rupture Disc (600 psig), Inner container bursting disk (176 psig). b. Liquid fill and withdrawal valve. c. Pressure gauge (600 psig/41.4 Bar). d. Liquid level gauge. e. No. of 3/8" FPT glove valves: 4 (connection for gas use, liquid, vent and pressure building). III. Tank pressure rating: a. Relief valve set: 230Psig/1.58MPa			
4.3	Dewar to be used for delivery of Liquid Nitrogen I. Physical features: a. Material: Stainless steel 316 b. Empty tank weight: ~6.1 Kg c. Full tank weight: ~ 14.1 kg d. Neck dia., mm: 51 e. Dimension (h x d), mm : 533 x 290 f. LN capacity, l: 50 g. Static holding time, days: 45 h. Normal evaporation: 0.22, litre/day i. Plug-in neck core cap II. Safety device: a. The dewar should have a safety pressure relief valve to control pressure built-up in the dewar. III. Liquid Withdrawal Attachment a. The dewar should come with a liquid nitrogen withdrawal device for transferring to the working dewar in the laboratory. The withdrawal device can be either automatic or manual system.	-	-	

USER'S REQUIREMENTS				
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	CATALOGUE NUMBER (IF ANY)	PACKAGING SIZE	QUANTITY REQUIRED (PER YEAR)
5.0	<u>SITE PREPARATION</u>			
5.1	Tenderers shall undertake a site inspection prior to the submission of their tender to ensure the understanding of the site requirements.			

All reagent test kits supplied throughout this tender shall have a minimum expiry date of six **(6) months on delivery**. Should the reagent be urgently needed, provision of a reagent test kit or consumable with expiry date of less than six (6) months should be first agreed by the User of the particular laboratory before delivery is made.

Bahagian/Unit/ Makmal :	GAS COMMITTEE		
Bil. Rujukan Bahagian/Unit/ Makmal :	DSS/GAS/2026/07		
Pegawai dirujuk:	Nama: KOH YEE SOAN		
	E-mail: yeesoan.koh@moh.gov.bn		
	Tel.No.: 2382424		Fax No.: 2381946
UNTUK KEGUNAAN BAHAGIAN PENTADBIRAN SAHAJA			
No. Rujukan PROCUREMENT:	DSS/AQ/PROC/A250K/2026-2027/033 (ADM)		
Tarikh Menghantar Iklan:			

SECTION 3

TENDER FORM

To:

TENDER REFERENCE NO.: KK/177/2026/DSS

INVITATION TO TENDER

**TO SUPPLY, DELIVER AND INSTALL LABORATORY INSTRUMENT GRADE GASES (GASEOUS AND LIQUID FORM) TO DEPARTMENT OF
SCIENTIFIC SERVICES, MINISTRY OF HEALTH**

TENDER OF (*name of tenderer*) : _____

Company/Business Registration No. : _____

Tender Closing Date : _____

	USER'S REQUIREMENTS				VENDOR'S OFFER				
NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	CATALOGUE NUMBER (IF ANY)	PACKAGING SIZE	QUANTITY REQUIRED (PER YEAR)	ITEM OFFERED	PACKAGING SIZE	QUANTITY REQUIRED (PER YEAR)	PRICE PER UNIT (\$)	TOTAL (\$) (PER YEAR)
1.0	<u>GENERAL</u>	-	-						
1.1	This tender is for the supply of laboratory instrument grade gases to all three (3) Department of Scientific Services (DSS) branches, namely the Main HQ, Madaras, and Serasa.	-	-						
2.0	<u>SCOPE OF WORK</u>	-	-						
2.1	The scope of work involves supply, delivery and installation of the following laboratory instrument grade gases (gases and liquids) to DSS. The tenderer is required to provide	-	-						

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	their own cylinders for exchange basis.								
2.2	Cylinders of individual types of gases are NOT allowed to be mixed during refilling.	-	-						
2.3	The tenderer is required to monitor the gas usage and the maintenance of gas cylinders.	-	-						
2.4	All cylinders supplied should bear a certified pressure testing mark on the cylinder.	-	-						
2.5	Pressure testing should be carried out every three years from the date stamped on the cylinder.	-	-						
2.6	Delivery of gases must be within office hours.	-	-						
3.0	<u>SCOPE OF SUPPLY</u>	-	-						
3.1	PURIFIED HELIUM I. Impurities: Moisture<2ppm, Oxygen<2ppm, Hydrocarbons<0.5ppm II. Minimum Total Purity: 99.9995% III. Gas pressure: 150 bar IV. Capacity: 6.6m ³ V. Outlet valve type: BS 341 No. 3 VI. Quantity required: 1082.4 m ³	-	6.6 m ³ / cylinder	1082.4 m ³ (164 cylinders)					

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3.2	PURIFIED NITROGEN I. Impurities: Moisture<10ppm, Oxygen<5ppm II. Minimum Total Purity: 99.99% III. Gas pressure: 150 bar IV. Capacity: 6.8m ³ V. Outlet valve type: BS 341 No. 8 VI. Quantity required: 136 m ³	-	6.8 m ³ / cylinder	136 m ³ (20 cylinders)					
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	II. Safety device: a. The dewar should have a safety pressure relief valve to control pressure built-up in the dewar. III. Liquid Withdrawal Attachment a. The dewar should come with a liquid nitrogen withdrawal device for transferring to the working dewar in the laboratory. The withdrawal device can be either automatic or manual system.								
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NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
1	Delivery Period Upon the Issuance of PO NOT MORE THAN _____	
2	Price Validity NOT LESS THAN _____	

1. We offer and undertake on your acceptance of our Tender to provide the above mentioned services in accordance with your Invitation To Tender.
2. Our Tender is fully consistent with and does not contradict or derogate from anything in your Invitation To Tender. We have not qualified or changed any of the provisions of your Invitation To Tender.
3. OUR OFFER IS VALID FOR **TWELVE (12)** CALENDAR MONTHS FROM THE TENDER CLOSING DATE.
4. When requested by you, we shall extend the validity of this offer.
5. We further undertake to give you any further information which you may require.

Dated this _____ day of _____, _____

Signature of authorised officer of Tenderer

Name:

Designation:

Tenderer's official stamp