

BIL	Quotation Reference	Description	Advertisement Date	Closing Date (Not Later Than 09.00AM)	Quotation Fee	Requesting Department	Focal Person
3	(013) IKLAN-QTN/UPP.HRIPAS/2025/ICU	SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF PORTABLE OXYGEN CONCENTRATOR FOR INTENSIVE CARE UNIT, RAJA ISTERI PENGIRAN ANAK SALEHA HOSPITAL.	27/03/2025	19/04/2025	\$5.00	INTENSIVE CARE UNIT (ICU), HOSPITAL RAJA ISTERI PENGIRAN ANAK SALEHA.	HASNIDAYATI BINTI HAJI HIDUP PEGAWAI JURURAWAT PERKHIDMATAN RAWATAN RAPI TEL: 2242424 ext. 3466

**TO SUPPLY, DELIVERY, INSTALLATION, TEST AND COMISSION PORTABLE OXYGEN CONCENTRATOR,
INTENSIVE CARE UNIT, RIPAS HOSPITAL**

SECTION 1 – USER REQUIREMENTS**SECTION 2 – PRICING PROPOSAL****SECTION 3 – PROCUMENT AND TECHNICAL SPECIFICATION****SECTION 4 – WARRANTY UNDERTAKING FORM**

SECTION 1 – USER REQUIREMENTS				
REF	DESCRIPTION	Tick (✓)		STATE OR SPECIFY OR REMARKS OR BROCHURE PAGE
		YES	NO	
1	ONE (1) UNIT OXYGEN CONCENTRATOR			
2	TECHNICAL INFORMATION			
3	TRAINNING AND WARRANTY			

1	ONE (1) UNIT OXYGEN CONCENTRATOR			
1.1	Portable oxygen concentrator for			
1.2	Suitable for individuals requiring supplemental oxygen therapy			
1.3	Lightweight and easy to carry			
1.4	Oxygen delivery modes; Pulse Dose Mode			
1.4.1	Adjustable settings			
1.4.2	Variable bolus size based on setting			
1.5	Oxygen delivery modes; Continuous Flow mode			
1.5.1	Minimum rate: Approximately 0.5 LPM			
1.5.2	Maximum rate: Approximately 2.0 LPM			
1.6	Comes with internal filter			
1.7	Equipped with operating alarm			
1.8	Suitable for in-flight use with altitude of up to 10,000 ft			
1.9	Meet FAA (Federal Aviation Administration) approval standards.			
1.10	Battery life of up to 1.5 hours in continuous flow mode or better			
1.11	Exchangeable batteries for easy replacement of external batteries for extended use			
1.12	Accessories to be supplied with the unit:			
1.12.1	Carrying case			
1.12.2	Cart wheels for smooth mobility			
1.12.3	At least 2 sets of batteries in total (including the 1 set supplied with the unit).			

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2	TRAINING AND WARRANTY			
2.1	<p>Tenderers to conduct training to end users by either an application specialist or competent local engineer. Tenderer must prepare a training attendance or proof of training done to end user during commissioning and the refresher course (6) months after commissioning. Training must include but not limited to:</p> <ul style="list-style-type: none"> • Basic User Operation, User Troubleshooting and User Maintenance • CPACS and/or RPACS guide through (if necessary) • Operating manual (Hardcopy and/or Softcopy) 			
2.2	<p>Introductory Technical Training to Biomedical Engineers and Technicians at BME RIPASH Office by competent Tenderer's Engineer/Technicians that includes but not limited to:</p> <ul style="list-style-type: none"> • Troubleshooting and basic corrective maintenance • Handling and basic inspection maintenance <p>*(Two sessions/groups if required)</p>			
2.3	<p>Tenderer to include warranty period of at least two (2) years</p> <p>Tenderers to INCLUDE a Warranty Undertaking Letter stating the terms of warranty provided for the equipment in the tender. This includes but not limited to:</p> <ul style="list-style-type: none"> • Duration and warranty coverage • Excluded from Warranty • 2x Warranty Planned Preventive Maintenance (one of which includes, if applicable, PM kit) on the sixth month after date of commissioning and end of warranty period. • Scope of Planned Preventive Maintenance 			

** In your quotation/tender document, please breakdown/itemized the price for each accessories/consumables*

TO SUPPLY, DELIVERY, INSTALLATION, TEST AND COMISSION PORTABLE OXYGEN CONCENTRATOR, INTENSIVE CARE UNIT, RIPAS HOSPITAL**SECTION 2 – PRICING PROPOSAL****PURCHASE PRICE**

Tenderer to offer an Outright Purchase Price for MINISTRY OF HEALTH to purchase all the items listed in SECTION 1- USER REQUIREMENTS with:

1. Normal Warranty provided by Tenderer/Manufacturer (Minimum Two (2) Years)
2. Normal Warranty + 2 Years Post Warranty Comprehensive Maintenance Service
3. Normal Warranty + 3 Years Post Warranty Comprehensive Maintenance Service

See Warranty in SECTION 4 - WARRANTY UNDERTAKING FORM

*Post Warranty Comprehensive Maintenance Service – Tenderer to include the cost of Comprehensive Maintenance Service after the warranty period in the Total Cost.

PURCHASE PRICE	1. NORMAL WARRANTY PROVIDED BY TENDERER/MANUFACTURER	BND\$	NORMAL WARRANTY PERIOD: <input type="text"/> 2 YEARS <input type="text"/> OTHERS: <input type="text"/> YEARS
	2. NORMAL WARRANTY + 2 YEARS POST WARRANTY COMPREHENSIVE MAINTENANCE SERVICE	TOTAL COST BND\$	NORMAL WARRANTY PERIOD: <input type="text"/> 2 YEARS <input type="text"/> OTHERS: <input type="text"/> YEARS
	3. NORMAL WARRANTY + 3 YEARS POST WARRANTY COMPREHENSIVE MAINTENANCE SERVICE	TOTAL COST BND\$	NORMAL WARRANTY PERIOD: <input type="text"/> 2 YEARS <input type="text"/> OTHERS: <input type="text"/> YEARS

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SECTION 3 – PROCUMENT AND TECHNICAL SPECIFICATION				
BRAND:				
MODEL:				
COUNTRY OF ORIGIN:				
WHERE MARKETED:				
YEAR INTRODUCED TO MARKET:				
DELIVERY TIME:				
PRICE VALIDITY:	[AT LEAST ONE (1) YEAR PRICE VALIDTY]			
DETAILED BROCHURE INCLUDED?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> Where appropriate	
USER AND SERVICE MANUALS:	<input type="checkbox"/> YES	<input type="checkbox"/> NO	Tenderers to acknowledge that they must provide at least TWO sets of USER AND SERVICE manuals when applying commissioning form. One Set for End User, One Set for BME. (Please provide hardcopy or softcopy)	
MAINS POWER SUPPLY:				
POWER RATINGS:				
EQUIPMENT AMBIENT OPERATING TEMPERATURE RANGE:				
BATTERY BACKUP:				
INTERNATIONAL SAFETY STANDARD:				
TECHNICAL SUPPORT:	NO OF LOCAL ENGINEER/TECHNICIAN: NEAREST OVERSEA SUPPORT:			
DIMENSIONS OF MAIN UNIT:				MM / CM / INCH
WEIGHT OF MAIN UNIT:				KG / G / LBS
EQUIPMENT WHOLE LIFE TIME SUPPORT:	Number of years, spare parts are available after the installation of the equipment: _____ years			

**TO SUPPLY, DELIVERY, INSTALLATION, TEST AND COMISSION PORTABLE OXYGEN CONCENTRATOR,
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Tenderer, on behalf of the manufacturer, acknowledged and agrees that when equipment is under Warranty period, must cover the scope of normal warranty below at no additional cost:

NORMAL WARRANTY

- Warrants the supplied medical equipment and its accessories to be in good condition, in working order and free from defects to the extend such equipment do not comply with specifications, under normal use for the warranty period. The scope of warranty covers to its maximum extent permitted by applicable law.
- During warranty, tenderer must rectify issues arise from any mechanical, technical or software faulty as soon as it is reported.
- **Exchange warranty;** Providing replacement units:
 - A. Warranty against defects – Manufacturing defects or Equipment malfunction resulted from mechanical, electrical or software failure during Commissioning or within the first _____ months of use
 - B. Faulty workmanship or unsatisfactory condition during delivery or commissioning
 - C. If a unit or accessory is deemed used item or refurbished item (not a new unit) by the user and BME Unit.
- **Two time Planned Preventive Maintenance (PPM) PER YEAR** according to Manufacturer's Preventive Maintenance Guideline, including one-time replacements of PM Kits, batteries and any relevant parts to prolong equipment lifespan.

EXCLUSION FROM WARRANTY

MOH understand that the following circumstances are not covered in the warranty and Tenderer may quote for repair and subject to MOH approval:

- Unauthorized modifications - an alteration or repair by anyone other than the Manufacturer or Authorized agent during warranty period.
- Accidental damage or problems caused by negligence or mishandling, subject to appropriate justification by both parties.
- Vandalism and Natural disasters
- Normal wear and tear

POST WARRANTY COMPREHENSIVE MAINTENANCE SERVICE

Tenderer must provide a comprehensive maintenance service after the warranty period.

The scope for Comprehensive Maintenance Service consists of:

- A. Inspection Maintenance (IM)
- B. Corrective Maintenance (CM) and
- C. Planned Preventive maintenance (PPM)
- D. Breakdown calls

TENDERER ACKNOWLEDGMENT**COMPANY CHOP AND SIGNATURE**

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SECTION 4 – WARRANTY UNDERTAKING FORM (PAGE 2)

A. Inspection Maintenance (IM)

- Must be conducted every six (6) months starting from warranty expiry date
- Issuance of IM Report to End User and Biomedical Engineering Unit of respective Facilities (BME)
- Physical hardware checks on main unit/system and all supplied accessories
- System, Software and Application checkup – Update to latest version when available
- Performance and Functional testing
- Servicing/Cleaning of dust

B. Corrective Maintenance (CM):

- Repair and replacement of parts with new, quality, and compatible parts within thirty (30) days after receipt of reported problem by BME
- Post repair tests with reports to ensure Electrical Safety Test, Performance Test and Functional Test is conducted.

C. Planned Preventive Maintenance (PPM):

- **Two times a year** Comprehensive PPM for every warranty year to ensure equipment is working in maximum condition. (Inclusive of one time PM kits and replaceable items)
- Provide Maintenance Due Date stickers after each PPM

D. Breakdown Call

- Attend to any breakdown call within 24 hours after receipt of reported problem by BME Unit of Respective Facilities preferably during office hours, else after office hours or public holidays (only if it is necessary and urgent)
- Response to Breakdown call: within 30 mins (Office hours) / within 60 mins (Non-Office hours)
- Downtime: Not more than 24 hours after receipt of reported problem by BME unit of Respective Facilities
- If Downtime is expected to be more than 24 hours, Tenderer must provide notice to BME unit indicating the reason of delay with estimation of:
 - Estimated time of parts to arrive and
 - Expected no of days for repair completion
 - Estimated time for loan unit to arrive if not in stock (Leasing).

ADDITIONAL WARRANTY SCOPE FOR LEASING:

Tenderer need to plan and provide a **LOAN UNIT** to End User as soon as possible if equipment downtime is expected to be more than 24 hours after receipt of reported problem from BME (not repairable or need to be remove from service due to requiring parts replacement until the equipment is return back to service.)

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ANY OTHER EXCLUSION

Tenderer may propose below to include items or terms which is not listed in the exclusion list above for MOH consideration.

TENDERER ACKNOWLEDGMENT

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