

PURCHASE ORDER (PO)

MUHIMBILI ORTHOPAEDIC INSTITUTE



P.O. Box 65474; DAR ES SALAAM, TANZANIA, MUHIMBILI COMPLEX
TELEPHONES +255-022-2151298/2152937/2152938/2151744/2153359
FAX: +255-022-2151744
E-Mail: info@moi.ac.tz

**Purchase Order for
Procurement of Goods**

Quotation No: PA-008/2021/2022/G/34

FOR

SUPPLY OF VENTILATORS.

To: Managing Director,
M/S Baylem Limited
P O BOX 12258-00400
Nairobi-Kenya

Your quotation reference PA-008/2021/2022/G/34 of 14th November 2021 is accepted and you are required to supply the goods as detailed on the attached Schedule of Requirements and Prices against the terms and conditions contained in this Purchase Order (PO). This order is placed subject to the attached Special Conditions of Contract (SCC) and General Conditions of Contract (GCC) for PO, except where modified by the terms stated below.

TERMS AND CONDITIONS OF THIS PURCHASE ORDER:

1. **Contract Sum:** The Contract Sum is Tshs. 339,987,500 and shall be paid in Tanzania currency.
2. **Delivery Period:** The goods are to be delivered within **30 days** from the date of this PO.
3. **Warranty:** The warranty/guarantee period is as indicated in the attached Schedule of Requirements and Prices.

The Supplier shall provide the warranty, as stipulated in the invitation for quotations for goods to be supplied and confirm that if any faults are detected within the warranty period in the supplied/installed goods, the Supplier shall be bound to rectify the fault or replace the goods as the case may be 30 days otherwise the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which Purchaser may have against the Supplier under the contract

4. **Delivery point:** The goods are to be delivered to **MOI one month (30) days from date of Contract signing**
Contact Person: Notices, enquiries and documentation should be addressed to **Executive Director, Muhimbili Orthopaedic Institute (MOI) P.O.Box 65474 Dar Es Salaam, Tanzania.**

5. **Payment to Supplier:**

Payment will be made as follows:

- (i) 40% of the Contract price after signing the contract.
- (ii) 60% of the contract price after completion of receiving and inspection report.

The following documents form part of this Contract (PO):

- 1 Purchase Order (PO).
- 2 Letter of Acceptance.
- 3 Quotation Submission Form and prices from supplier
- 4 Special Conditions of Contract for PO.
- 5 General Conditions of Contract for PO.
- 6 Technical Specifications and Additional Requirements.
- 7 Notarized Power of Attorney.
- 8 Notification of Award
9. Minutes of Negotiation.

SCHEDULE OF REQUIREMENTS AND PRICES

Item No.	Description	Unit of Measure	Quantity	Unit Price TSHS	Total Price TSHS.	Warranty Period
	VENTILATORS	EACH	5	67,997.500.00	339,987,500.00	18 MONTHS
Total Amount TSHS					339,987,500.00	

Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties have put their common seal, names, and signature in the manner dates, day and month herein below appearing.

Sealed with the common seal of

Muhimbili Orthopaedic Institute

and Delivered at Dar es Salaam before

me this 23 day of 11 2021

Name: Dr. Rozpicious L. Bonifazi

Signature: [Signature]

Address: Box 65474 DSM

Designation: Executive Director

In the Presence of

Name: Superman T. Mgema

Signature: [Signature]

Address: P.O. BOX 65474 DSM

Designation: Ag. Head Legal Service Unit

Sealed with the common seal of

M/S Baylem Limited

and Delivered at Dar es Salaam before

me this 22nd day of November 2021

Name: PASAKA OGUMBO



Signature: [Signature]

Address: P. O. BOX 12258-00400, NAIROBI-KENYA

Designation: DIRECTOR, STRATEGY & BUSINESS DEVELOPMENT

2. LETTER OF ACCEPTANCE



BAYLEM LTD

*For: Medical & Laboratory Equipment, Hospital Furniture,
Pathology Interior (Mortuary), Technical Services & Maintenance*

Your Ref: PA-008/2021/2022/G/34

20th November 2021

The Executive Director,
Muhimbili Orthopedic Institute,
P.O. Box 65474
Dar-es-salaam
Tanzania

Attn: Dr. R. I. Boniface

Dear Sir,

**RE: ACCEPTANCE OF AWARD FOR TENDER No. PA-008/2021/2022/G/34
FOR SUPPLY OF VENTILATORS**

We are pleased to acknowledge receipt of your notification of award on the above tender dated 18th November 2021 and wish to confirm our acceptance of the award.

We further confirm that we shall make arrangements for the Performance Bond.

Yours Sincerely,


for: **P. OGUMBO**
DIRECTOR, STRATEGY & BUSINESS DEV.



cc: **Chief Executive officer**
Public Procurement Regulatory Authority
P.O. Box 49
Dar es Salaam

ACKNOWLEDGEMENT

I PASAKA OGUMBO doth hereby acknowledge and accept to be Attorney of the said BAYLEM LIMITED under the terms and conditions contained in this POWER OF ATTORNEY and I promise to perform and discharge my duties as the lawfully appointed Attorney faithfully and honestly.

SIGNED AND DELIVERED by the said }
Pasaka Ogumbo Identified to me }
by [insert name] }
The latter known to me personally }

This ...14.7.21. November 2021

Pasaka
.....

DONEE

BEFORE ME

RODNEY ABEL AMOLLO
ADVOCATE & COMMISSIONER FOR OATHS
P. O. BOX 551-00200, NAIROBI
.....
COMMISSIONER FOR OATHS

3. QUOTATION SUBMISSION FORM AND PRICES

1. QUOTATION SUBMISSION FORM

.....15th November 2021

To: Executive Director,
Muhimbili Orthopaedic Institute (MOI),
P.O. Box 65474,
Dar es Salaam - Tanzania

We agree to supply the goods specified in the Schedule of Requirement and prices of the ...Quotation No. PA-008/2021/2022/G/34; Supply of Ventilators... [name and identification number of quotation] in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of
TShs. 339,987,500.00 [amount in numbers], ...Tanzania Shillings ... Three hundred and thirty nine thousand, nine hundred and eighty seven, five hundred] in Tanzanian Shillings.

We also offer to deliver the said goods within the period of ...2 - 4 weeks... (delete as necessary) as specified in the LPO, Special Conditions of Contract and General Conditions of Contract.

This quotation and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We agree to abide by this Tender for the Tender Validity Period specified in ITT 6, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

We are not participating, as Tenderers, in more than one Tender in this tendering process, other than alternative offers in accordance with the Tendering Documents.

We declare that our quoted price did not involve agreement with other tenderers for the purpose of tender suppression.

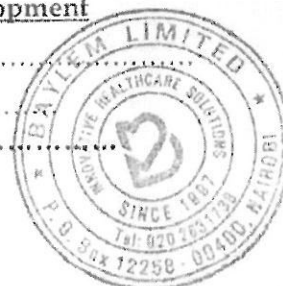
We hereby confirm that this quotation complies with the conditions required by the invitation for quotations.

Authorized Signature:

Name and Title of Signatory: ...Pasaka Ogumbo -
Director, Strategy & Business Development

Date:15th November 2021.....

Name of Tenderer: ...Baylem Limited.....
Address: P. O. Box 12258-00400, Nairobi-Kenya.....



BAYLEM

LTD

For: Medical & Laboratory Equipment, Hospital Furniture, Pathology Interior (Mortuary),
Technical Services & Maintenance

Agina House, Ngong/Menelik Road Junction

P.O. Box 12258, 00400, Nairobi, KENYA; Tel. 254-20-2631738; Fax: 254-20-3861779; Cell: 0726 128040/0733238519

E-mail: baylemaug@baylem.com; sales@baylem.com; info@baylem.com;

Muhimbili Orthopedic Institute,
P.O Box 65474,
Dar es Salaam - Tanzania

Date: 15th November 2021

Our Ref: MOI/006/2021

Your ref: PA-008/2021/2022/G/34

Validity: 45 days

PROF. INVOICE/QUOTATION

No.	Item description	Qty	Unit price (Tshs)	Total (Tshs)
1.	VENTILATOR Model: Hamilton C1 Adult/Pediatric/Neonatal Manual breath, O2 enrichment, standby, screen-lock, apnea backup ventilation, inspiratory hold, nebulization, screen-shot, suctioning tool, dimmable screen, configurable Quickstart-Settings, start-up over body height and IBW, sigh, tube resistance compensation Patient types: Adult/ neonatal/ / Pediatric (S)CMV+/APVcmv, PCV+, 4 to 150 b/min SIMV+/APVsimv, DuoPAP. 1 to 150 b/min (IRC) PSIMV+, NIV-ST, nCPAP-PS2) APRV: 1 to 200 b/min Tidal volume: 2 to 2000 ml PEEP/CPAP: 0 to 35 cmH2O Oxygen: 21 to 100 % I:E ratio: 1:9 to 4:1 (DuoPAP 1:599 to 149:1) Inspiratory time (TI): 0.1 to 12 s Flow: 0 to 240 l/min Flow trigger: Off, 0.1 to 20 l/min Pressure control: 3 to 60 cmH2O, added to PEEP/CPAP Pressure support: 0 to 60 cmH2O, added to PEEP/CPAP Pressure ramp: 0 to 2000 ms P high (APRV/DuoPAP): 0 to 60 cmH2O P low (APRV): 0 to 35 cmH2O T high (APRV/DuoPAP): 0.1 to 40 s T low (APRV): 0.2 to 40 s Expiratory trigger sensitivity (ETS): 5 to 80 % of inspiratory peak flow % MinVol (ASV): 25 to 350%	5	67,997,500.00	339,987,500.00





<p>NIV-ST Every breath is spontaneous as long as the patient is breathing above the set rate. A backup rate can be set for mandatory breath CPAP Demand flow Nasal Continuous Positive Airway Pressure. nCPAP-PC Breaths are pressure controlled and mandatory.</p> <p>High flow oxygen therapy HiFlowO2 High flow oxygen therapy.</p> <p>Standard: <input checked="" type="checkbox"/> Option: <input type="checkbox"/> Not applicable: --</p>	<p>Functions Adult/Ped Neonatal</p>	<p>Capnography, mainstream (volumetric) and side stream o</p> <p>Communication ports: COM1 port, USB port, Nurse call</p> <p>Connectivity Communication protocols: for details see</p>	<p>Event log (up to 1000 events with data and time stamp) Intelli Trig (leak compensation)</p>	<p>Languages(English, US-English)</p>	<p>Patient group <input checked="" type="checkbox"/> Print screen <input checked="" type="checkbox"/> <input type="checkbox"/></p> <p>Screen lock <input checked="" type="checkbox"/> <input type="checkbox"/></p> <p>Speak valve compatibility <input type="checkbox"/> --</p> <p>SpO2 monitoring <input type="checkbox"/> <input type="checkbox"/></p> <p>Standby with timer <input checked="" type="checkbox"/> <input type="checkbox"/></p> <p>Suctioning tool <input type="checkbox"/> --</p> <p>Trends/Loops <input type="checkbox"/> <input type="checkbox"/></p> <p>Flow trigger <input checked="" type="checkbox"/> <input type="checkbox"/></p> <p>Vent Status (Visual representation of ventilator dependence) <input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>Standard: <input checked="" type="checkbox"/> Option: <input type="checkbox"/> Not available: --</p>	<p>Technical performance</p> <p>Description Specification</p> <p>Automatic expiratory base flow Adult/Ped: Fixed at 3 l/min</p> <p>Neonatal: Fixed at 4 l/min</p> <p>Inspiratory pressure 0 to 60 cmH2O</p> <p>Maximum inspiratory flow 260 l/min (120 l/min with 100% O2)</p> <p>Means of inspiratory triggering Flow trigger control</p> <p>Minimum expiratory time 20% of cycle time; 0.2 to 0.8 seconds</p> <p>Oxygen mixer accuracy ± (volume fraction of 2.5% + 2.5% of actual reading)</p> <p>Preoperational checks Tightness test, Flow Sensor/O2 sensor/CO2 sensor calibration</p> <p>Tidal volume Adult/Ped: 20 to 2000 ml</p> <p>Neonatal: 2 to 300</p> <p>Brightness setting for display The range is 10% to 100% brightness. By default, Day is set to 80%; Night is set to 40%. Standards and approvals</p> <p>Classification Class IIb, continuously operating according to EC directive 03/147/EEC</p>	<p>Comply</p>	<p>Comply</p>	<p>Comply</p>	<p>Comply</p>	<p>Comply</p>	<p>Comply</p>
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<p>Certification IEC 60601-1-2:2005/A1-2:2012, IEC 60601-1-2:2014, ANSI/AAMI ES60601-1:2005/(R)2012, ISO 80601-2-12:2011, CAN/CSA-C22.2 NO. 60601-1:14, EN ISO 5356-1:2015, ISO 80601-2-55:2011 Declaration The HAMILTON-C1 was developed in accordance with pertinent international standards and FDA guidelines. The ventilator is manufactured within an EN ISO 13485 and EN ISO 9001, Council Directive 93/42/EEC, Annex II, Article 3 certified quality management system. The ventilator meets the Essential Requirements of Council Directive 93/42/EEC, Annex I. Electromagnetic compatibility According to IEC 60601-1-2:2014 Safety Class Class II, Type B applied part (ventilator breathing system, VBS), type BF applied part CO2 sensor including CO2 module connector; SpO2 sensor including adapter, continuous operation according to IEC 60601-1</p>							
<p>Pneumatic performance</p> <p>High-pressure O2 Connector: Pressure: 2.8 to 6 bar / 41 to 87 psi DISS (CGA 1240) or NJST</p> <p>Low-pressure O2 Connector: Pressure: Maximum 6 bar / 87 psi Quick-coupling system, compatible with Colder Products</p> <p>Company (CPC) PMC series</p> <p>Air supply Integrated turbine</p> <p>Inspiratory outlet (To patient port) Connector: ISO ID15/OD22 conical</p> <p>Expiratory outlet (From patient port) Connector (on expiratory valve) ISO ID15/OD22 conical</p>							Comply
<p>Electrical specifications</p> <p>Input power 100 to 240 VAC ±10%, 50/60 Hz</p> <p>Power consumption 50 VA typical, 150 VA maximum</p> <p>Battery Electrical specifications: 6.7 Ah, 72 Wh, 50 W typical, 150 W maximum</p> <p>Type: Lithium-ion, supplied by Hamilton Medical only</p> <p>Normal operating time: One battery, display brightness = 80%: 4 h</p> <p>One battery, display brightness = 20%: 4.5 h</p> <p>Graphical patient data</p> <p>Graphic type/tab name Options</p> <p>Waveforms Pressure, Volume, Flow, PCO2 1, FCO2 1,</p> <p>Plethysmogram2</p> <p>Intelligent panels Dynamic Lung 3, Vent Status, ASV Graph 4</p> <p>Trends 1-, 6-, 12-, 24-, or 72-h5 trend data for a selected parameter or combination of parameters</p> <p>Loops Pressure/Volume, Pressure/Flow, Volume/Flow, Volume/PCO2 1, Volume/FCO2 1</p>							Comply
							Comply



<p>Priority Alarm</p> <p>High priority Apnea time (s), ExpMinVol high/low (l/min), Oxygen high/low (%), Pressure high/low (cmH2O), Flow sensor calibration needed, Exhalation obstructed, Disconnection, Oxygen supply failed (cmH2O), Vt high/low (ml), SpO2 high/low, High PEEP, Loss of PEEP, Pulse high/low</p> <p>Low priority High SpO2, Loss of external power</p>		
<p>1 CO2 option required.</p> <p>2 SpO2 option required.</p> <p>3 Only for adult/pediatric patients.</p> <p>4 Only in ASV mode.</p> <p>5 72-hour trend not available in all markets.</p> <p>6 For a complete list of alarms, see your ventilator Operator's Manual.</p> <p>Control settings and ranges⁷</p>	<p>Parameter (units) Range Adult/Ped Range Neonatal</p> <p>Apnea backup On, Off On, Off</p> <p>ETS (%) 5 to 80 5 to 80</p> <p>Flow (l/min) 2 to 80 2 to 12</p> <p>Flow trigger (l/min) 1 to 20 0.1 to 5</p> <p>Height (cm) 30 to 250 --</p> <p>Height (in) 12 to 98 --</p> <p>I:E 1:9 to 4:1 1:9 to 4:1</p>	<p>%MinVol (%) 25 to 350 --</p> <p>Oxygen (%) 21 to 100 21 to 100</p> <p>PEEP (cmH2O) 0 to 35 3 to 25</p> <p>PasVlimit (cmH2O) 5 to 60 --</p> <p>Pcontrol (cmH2O) 5 to 60 3 to 45</p> <p>Phigh APRV (cmH2O) 0 to 60 0 to 45</p> <p>Phigh DuoPAP (cmH2O) 0 to 60 3 to 45</p> <p>Pinsp (cmH2O) 3 to 60 3 to 45</p> <p>Plow APRV (cmH2O) 0 to 35 0 to 25</p> <p>Pramp (ms) 0 to 2000 0 to 600</p> <p>Psupport (cmH2O) 0 to 60 0 to 45</p> <p>Rate (b/min) 1 to 80 1 to 80</p> <p>Sex Male, Female --</p> <p>Sigh On, Off --</p> <p>SpO2 monitoring On, Off On, Off</p> <p>SpeakValve On, Off --</p> <p>TI (s) 0.1 to 12 0.1 to 12</p>
	<p>Comply</p>	<p>Comply</p>



<p> TI max (s) 1 to 3 0.25 to 3 Thigh APRV (s) 0.1 to 40 0.1 to 40 Thigh DuoPAP (s) 0.1 to 40 0.1 to 40 Flow APRV (s) 0.2 to 40 0.2 to 40 Vt (ml) 20 to 2000 2 to 300 Vt/Weight (ml/kg) -- 5 to 12 Weight (kg) -- 0.2 to 30 7 Parameter settings and ranges can vary depending on the selected mode. 8 Flow limited to 60 l/min in some markets. Monitoring parameters </p>	Comply		
<p> Parameter (units) Description Pressure AutoPEEP (cmH2O) Unintended positive end-expiratory pressure PEEP/CPAP (cmH2O) PEEP (positive end-expiratory pressure) and CPAP (continuous positive airway pressure) P_{insp} (cmH2O) Inspiratory pressure P_{mean} (cmH2O) Mean airway pressure P_{peak} (cmH2O) Peak airway pressure P_{plateau} (cmH2O) Plateau or end-inspiratory pressure Flow Control Flow (l/min) The set flow of gas to the patient when using HiFlowO2. Flow (l/min) In nCPAP mode, the average flow, updated every second. In nCPAP-PC mode, the average flow during expiration, updated every breath. Insp Flow (peak) (l/min) Peak inspiratory flow, spontaneous or mandatory Exp Flow (peak) (l/min) Peak expiratory flow Volume ExpMinVol or MinVol NIV (l/min) Expiratory minute volume MVSpont or MVSpont NIV (l/min) Spontaneous expiratory minute volume VTE or VTE NIV (ml) Expiratory tidal volume VTI (ml) Inspiratory tidal volume VLeak (%) Leakage percent or total minute volume leakage MVLeak (l/min) Leakage percent or total minute volume leakage FetCO2 (%) Fractional end-tidal CO2 concentration PetCO2 (mmHg) End-tidal CO2 pressure slopeCO2 (%CO2/l) Slope of the alveolar plateau in the PetCO2 curve, indicating the volume/flow status of the lungs </p>	Comply		

<p>VeCO2 (ml) Exhaled CO2 volume ViCO2 (ml) Inspired CO2 volume SpO2 (%) Oxygen saturation Pulse (1/min) Pulse SpO2/FiO2 (%) The SpO2/FiO2 ratio (%) is an approximation of the PaO2/FiO2 ratio, which, in contrast to PaO2/FiO2, can be calculated noninvasively and continuously. PI (%) Perfusion index PVI (%) Pleth variability index SpCO (%) Carboxyhaemoglobin saturation</p>		Comply	
<p>PARAMETER (UNITS) DESCRIPTION SpO2 SpMet (%) Methaemoglobin saturation SpHb (g/dl or mmol/l) Total haemoglobin SpOC (ml/dl) Oxygen content Oxygen (%) Oxygen concentration of the delivered gas Oxygen consumption (l/min) The current oxygen consumption rate Time I:E Inspiratory:expiratory ratio fControl (b/min) Mandatory breath frequency fSpont (b/min) Spontaneous breathing frequency fTotal (b/min) Total breathing frequency TI (s) Inspiratory time TE (s) Expiratory time Lung mechanics Cstat (ml/cmH2O) Static compliance P0.1 (cmH2O) Airway occlusion pressure PTP (cmH2O*s) Pressure time product RCexp (s) Expiratory time constant RInsp (cmH2O / (l/s)) Inspiratory flow resistance RSB (1 / (l*min)) Rapid shallow breathing index</p>		Comply	
<p>Physical characteristics Weight 4.9 kg (10.8 lb) 16.9 kg (37.3 lb) with trolley The trolley can accommodate a maximum safe working load of 44 kg (97 lb). Dimensions See graphic above Monitor Type: TFT color Size: 640 x 480 pixels, 8.4 in (214 mm) diagonal Trolley accessories HAMILTON-H900 mounting system, optional O2 bottle holding system, optional tubing support arm</p>		Comply	



Manufacturer:
Hamilton Medical AG
Via Crusch 8, 7402 Bonaduz, Switzerland
041 50 60 10 00

**4. GENERAL CONDITIONS OF CONTRACT FOR
LOCAL PURCHASE ORDER**

1.0 Definitions

1.1 "The Contract" means the agreement entered into between the Purchaser and the Supplier, including all specifications, plans, drawings or other documents and conditions which may be referred to in the Contract.

"The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.

"The Goods" means raw materials, products, equipment and other physical objects of every kind and description, whether in solid, liquid or gaseous form, electricity, intangible asset and intellectual property, as well as services incidental to the supply of the goods provided that the value of services does not exceed the value of the goods themselves.

"The Incidental Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.

"The Purchaser" means the Government Entity purchasing the Goods, as named in the SCC.

"The Supplier" means company, corporation, organization, partnership or individual person supplying goods or services, hiring equipment or providing transport services and who is, according to the contract, a potential party or the party to procurement contract with the PE.

2.0 Eligibility

2.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.

2.2 All Goods, Works and Services supplied under the Contract shall have their origin in eligible countries and territories. Eligible countries shall include all member states of the United Nations.

2.3 For purposes of this GCC, "origin" means the place where the Goods were mined, grown, or produced, or from which the Works or Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

2.4 The origin of Goods is distinct from the nationality of the Supplier.

3.0 Standards

3.1 The Goods supplied under the Contract shall conform to all standards and requirements mentioned in the technical specifications, plans, drawings, terms of reference or other documentation forming part of the Contract.

4.0 Use of Contract Documents and Information

- 4.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 4.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information specified in GCC 4.1, except for purposes of performing the Contract.
- 4.3 All documents enumerated in GCC 4.1, other than the Contract itself, shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier's performance under the Contract, if so required by the Purchaser.

5.0 Patent Rights

- 5.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods, output of the services, performance of the works, or any part thereof in the United Republic of Tanzania.

6.0 Performance Security

- 6.1 If a Performance Security is specified in the invitation for quotations, within fourteen (14) days of receipt of the notification of Contract award, the successful Supplier shall furnish to the Purchaser the performance security in the amount specified in the SCC.
- 6.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 6.3 The performance security shall be denominated in Tanzania and shall be in one of the following forms:
 - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the United Republic of Tanzania or abroad, acceptable to the Purchaser, in the format provided in the invitation for quotations or another form acceptable to the Purchaser; or
 - (b) a cashier's or certified check.
- 6.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations as specified in the SCC.

7.0 Inspections and Tests

- 7.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract at no extra cost to the Purchaser. The Contract shall specify any inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing or in electronic forms that provide record of the content of communication of the identity of any representatives retained for these purposes.
- 7.2 Inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the project site. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
- 7.3 Should any inspected or tested goods fail to conform to the Specifications, the Purchaser may reject the Goods and the Supplier shall either replace or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 7.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods, Works or Services shall in no way be limited or waived by reason of having previously been inspected, tested, and passed by the Purchaser or its representative prior to shipment, installation or other performance in the United Republic of Tanzania.
- 7.5 Nothing in GCC 7 shall in any way release the Supplier from any warranty or other obligations under this Contract.

8.0 Packing

- 8.1 The Supplier shall provide such packing of Goods as is required to prevent damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination and the absence of heavy handling facilities at all points in transit.
- 8.2 Packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements specified in the SCC and through any subsequent instructions issued by the Purchaser.

9.0 Delivery and Documents

- 9.1 Delivery of Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements and Prices. The details of shipping

- (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the Purchaser, blueprints, drawings, and specifications of the spare parts, if requested.

14.0 Warranty

- 14.1 The Supplier warrants that goods and materials supplied under the Contract are new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the **SCC and PO**. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship or from any act or omission of the Supplier, which may develop under normal use of the supplied goods in the conditions prevailing in the United Republic of Tanzania.
- 14.2 The Supplier warrants that all Works and Services performed under the contract shall be of the highest professional and technical standards.
- 14.3 Warranties shall remain valid for period specified in the **SCC and PO** after final acceptance of the Goods by the Purchaser.
- 14.4 The Purchaser shall promptly notify the Supplier in writing or in electronic forms that provide record of the content of communication of any claims arising under this warranty.
- 14.5 Upon receipt of such notice, the Supplier shall, with all reasonable speed, repair or replace the defective goods, or parts thereof, without costs to the Purchaser.
- 14.6 If the Supplier, having been notified, fails to remedy any defect within the period specified in the **SCC and PO**, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

15.0 Payment

- 15.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in the **SCC and PO**.
- 15.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing or in electronic forms that provide record of the content of communication, accompanied by an invoice describing, as appropriate, the goods delivered, works completed or services performed, and by documents submitted pursuant to GCC 9, and upon fulfillment of other obligations stipulated in the Contract.

15.3 Payments shall be made promptly by the Purchaser, but in no case number of days specified in the **SCC and PO** after submission of an invoice or claim by the Supplier.

15.4 Payments shall be made Tanzania Shillings unless otherwise stated in the **SCC and PO**.

16.0 Prices

16.1 Prices charged by the Supplier for goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its tender except for any price adjustments authorized in the Contract.

17.0 Change Orders

- 17.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC 31, make changes within the general scope of the Contract in any one or more of the following:
- (a) Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) methods of shipment, packing, construction or performance;
 - (c) the place of delivery; and/or
 - (d) incidental services to be provided by the Supplier.
- 17.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this GCC must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

18.0 Contract Amendments

- 18.1 Subject to GCC 17, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

19.0 Assignment

- 19.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the prior written consent of the Purchaser.

20.0 Sub-contracts

- 20.1 The Supplier shall notify the Purchaser in writing or in electronic forms that provide record of the content of communication of all subcontracts awarded under this Contract if not already specified in the tender. Such notification, in the original tender or later, shall not relieve the Supplier from any liability or obligation under the Contract. Subcontracts must comply with the provisions of GCC 2.



21.0 Delays in the Supplier's Performance

- 21.1 Delivery of goods shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the SCC.
- 21.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods or performance of the Works or Services, the Supplier shall promptly notify the Purchaser in writing or in electronic forms that provide record of the content of communication of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 21.3 Except as provided under GCC 24, a delay by the Supplier in the performance of contractual obligations may render the Supplier liable to the imposition of liquidated damages pursuant to GCC 22, unless an extension of time is agreed upon pursuant to GCC 21.2 without the application of liquidated damages.

22.0 Liquidated Damages

- 22.1 Subject to GCC 24 and if stated in the SCC if the Supplier fails to deliver any or all of the goods within the period(s) specified in the Contract, the Purchaser may, without prejudice to all its other remedies under the contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the performance, up to a maximum deduction of the percentage specified in the SCC. Once the maximum is reached the Purchaser may terminate the contract pursuant to GCC 23.

23.0 Termination for Default

- 23.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the goods or to perform the works or services within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC 21; or
 - (b) if the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) if the Supplier, in the judgment of the Purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this GCC:

“corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

- 23.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC 23.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar goods, works or services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

24.0 Force Majeure

- 24.1 Notwithstanding the provisions of GCC 21, 22, and 23, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 24.2 For purposes of this GCC, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 24.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing or in electronic forms that provide record of the content of communication of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing or in electronic forms that provide record of the content of communication, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

25.0 Termination for Insolvency

- 25.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

26.0 Termination for Convenience

- 26.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 26.2 Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining goods, the Purchaser may elect:
- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed goods, works and services and for materials and parts previously procured by the Supplier.
- 26.3 For Works contracts, the Purchaser shall issue a payment certificate for the value of work done, materials ordered, the reasonable costs of removal of equipment and securing the site, and relocation of Supplier's personnel.
- 26.4 For Services contracts, the Purchaser shall pay all time-based fees and reimbursable expenses incurred up to the date of termination and for all stage payments due in addition to reasonable costs of removal of equipment and relocation of Supplier's personnel.

27.0 Settlement of Disputes

- 27.1 In the event of any dispute arising out of this contract, either party shall issue a notice of dispute to settle the dispute amicably. The parties hereto shall, within twenty eight (28) days from the notice date, use their best efforts to settle the dispute amicably through mutual consultations and negotiation. Any unsolved dispute may be referred by either party to an adjudicator nominated by the appointing Authority specified in **SCC**.
- 27.2 If either Party is dissatisfied with the Adjudicator's decision may, within days specified in the **SCC** refer the dispute for arbitration. If either party within the period mentioned in the **SCC** has not referred the matter for arbitration the decision shall become final and binding to the Parties.
- 27.3 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this GCC shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the goods or performance of the works or services under the Contract.
- 27.4 Arbitration proceedings shall be conducted in accordance with the rules of procedure of an authorized arbitration service within the United Republic of Tanzania.
- 27.5 Notwithstanding any reference to arbitration herein,

- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) the Purchaser shall pay the Supplier any monies due the Supplier.

28.0 Limitation of Liability

- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to GCC 5,
- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and
 - (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29.0 Governing Language

- 29.1 The Governing Language of the Contract shall be specified in the SCC.

30.0 Applicable Law

- 30.1 The Contract shall be interpreted in accordance with the laws of the United Republic of Tanzania as specified in the SCC.

31.0 Notices

- 31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or in electronic forms that provide record of the content of communication and confirmed in writing or in electronic forms that provide record of the content of communication to the other party's address specified in the SCC.
- 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

32.0 Taxes and Duties

- 32.1 A foreign Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed both inside and outside of the United Republic of Tanzania.
- 32.2 A local Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the Purchaser or performance of the works or services.

33.0 Change of Laws and Regulations

- 33.1 If after the date invitation to quotations, any law or regulation changed in United Republic of Tanzania (which shall be deemed to include any change in interpretation or application by competent authorities) that subsequently affects the delivery date and/or the contract price, then such delivery date and/or contract price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the contract.

5: SPECIAL CONDITIONS OF CONTRACT FOR PO

Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement the GCC for PO. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The corresponding clause number of the GCC is indicated in parentheses.

SCC Clause Number	GCC Clause Number	Amendments of, and Supplements to, Clauses in the GCC
		Definitions (GCC 1)
1.	1.1	The Purchaser is: Muhimbili Orthopedic Institute
2.	1.1	The Supplier is: Baylem Limited
3.	1.1	The Project is: Supply of Ventilators
		Performance Security (GCC 6)
4.	6.1	The amount of performance security, as a percentage of the Contract Price, shall be: 10 percent of the Contract Price
5.	6.4	After delivery and acceptance of the Goods, the performance security shall be reduced to two (2) percent of the Contract Price to cover the Supplier's warranty obligations in accordance with GCC 14.1.
		Packing (GCC 8)
6.	8.2	The Goods shall be packed properly in accordance with standard packing specified by the PE in the Technical Specification.
		Delivery and Documents (GCC 9)
7.	9.1	<p>For Goods supplied from abroad:</p> <p>Upon shipment, the Supplier shall notify the Purchaser and the Insurance Company by cable the full details of the shipment, including Contract number, description of Goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The Supplier shall mail the following documents to the Purchaser, with a copy to the Insurance Company:</p> <ul style="list-style-type: none"> (i.) One original plus four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount; (ii.) original and four copies of the negotiable, clean, on-board bill of lading marked "freight prepaid" and four copies of nonnegotiable bill of lading;

		<ul style="list-style-type: none"> (iii.) One original plus four copies of the packing list identifying contents of each package; (iv.) insurance certificate; (v.) Manufacturer's or Supplier's warranty certificate; (vi.) inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report; and (vii.) certificate of country of origin issued by the chamber of commerce and industry or equivalent authority in the country of origin in duplicate. <p>The above documents shall be received by the PE at least one week before arrival of the Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p>Not Applicable</p>
8.	9.1	<p>For Goods from within the United Republic of Tanzania:</p> <p>Upon delivery of the Goods to the transporter, the Supplier shall notify the PE and mail the following documents to the PE:</p> <ul style="list-style-type: none"> (i.) one original plus four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount; (ii.) delivery note, railway receipt, or truck receipt; (iii.) Manufacturer's or Supplier's warranty certificate; (iv.) inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (v.) certificate of country of origin issued by the Tanzania Chamber of Commerce, Industry and Agriculture or equivalent authority in the country of origin in duplicate.
Insurance (GCC 10)		
9.	10.1	The Insurance shall be in an amount equal to 110 percent of the CIF or CIP value of the Goods from "warehouse" to "warehouse" on "All Risks" basis, including War Risks and Strikes. Not Applicable
Incidental Services (GCC 12)		
10.	13.1	<p>Incidental services to be provided are:</p> <p>Supplier may be required to provide materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier including:</p> <ul style="list-style-type: none"> (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any

		warranty obligations under the Contract; and (b) in the event of termination of production of the spare parts: (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and (ii) Following such termination, furnishing at no cost to the Purchaser, blueprints, drawings, and specifications of the spare parts, if requested.
Warranty (GCC 14)		
11.	14.1	The warranty period shall be 18 months from date of acceptance of the Goods .The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either: (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4, or (b) pay liquidated damages to the PE with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be 0.20 per cent per day of undelivered materials/goods value up to the sum equivalent to the amount of ten percent of the contract value.
12.	14.6	The period for correction of defects in the warranty period is: six (6) months
Payment (GCC 15)		
13.	15.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: Payment for Goods already imported: (i) 40% of the contract price after signing (ii) 60% of the contract price after completion of receiving and inspection report
14.	15.3	Rate to be used for paying the Supplier's interest on the late payment made by PE shall be Not Applicable
Prices (GCC 16)		
15.	16.1	Prices shall be adjusted in accordance with provisions in the Attachment to SCC. Not Applicable

16.	17.1	Additional spare parts requirements are: Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible, but in any case within six (6) months of placing the order and opening the letter of credit for goods from abroad.
Liquidated Damages (GCC 22)		
17.	22.1	Applicable rate: 0.20 of contract value Maximum deduction: is equal to the performance security.
Force Majeure		
18	24.3	In case of Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing or in electronic forms that provide record of the content of communication of such condition and the cause thereof and notice should not exceed 7 days from the day occurrence of the said act of force majeure.
Force Majeure Remedy		
19	25.1	Remedy of non performance on ground of force majeure should be sought within 90 days from occurrence of an act of force majeure; expiry of such duration should result in suspending or terminating the contract.
Procedure for Dispute Resolution (GCC 27)		
20	27.1	Appointing Authority for the Adjudicator shall be Tanzania Institute of Arbitrators
21	27.2	Failure to amicably settle the dispute, the parties should refer the matter to a court of Competent jurisdiction upon following proper procedure of Institution of such matter before the court. Arbitration Institution shall be Tanzania Institute of Arbitrators Place for carrying out Arbitration Dar es Salaam Tanzania
Governing Language (GCC 29)		
22	29.1	The Governing Language shall be: English
Applicable Law (GCC 30)		
23	30.1	The Applicable Law shall be: Laws of the United Republic of Tanzania
Notices (GCC 31)		
24	31.1	i) PE's address for notice purposes: The Executive Director, Muhimbili Orthopedic Institute P.O Box 65474 DAR ES SALAAM ii) Supplier's address for notice purposes: Managing Director Baylem Limited P. O. Box 16215 DAR ES SALAAM

6. TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATIONS

Unit of measure		Comply	Not comply					
HAMILTON-C1	5							
<p>Technical specification for SW 2.2.x</p> <p>Ventilation modes</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Mode form</td> <td style="width: 25%;">Mode name</td> <td style="width: 10%;">Mode</td> <td style="width: 15%;">Adult/Ped</td> <td style="width: 35%;">Neonatal</td> </tr> </table> <p>Volume-targeted Modes, adaptive pressure controlled are volume targeted and mandatory. APVcmv / (S) CMV+ Breaths APVsimv / SIMV+ Volume- targeted mandatory breaths can be alternated with pressure-Supported spontaneous breaths.</p> <p>Pressure-controlled modes PCV+ All breaths, whether triggered by the patient or the ventilator, are Pressure-controlled and mandatory. PSIMV+ Mandatory breaths are pressure controlled. Mandatory breaths can be Alternated with pressure-supported spontaneous breaths. Duo PAP Mandatory breaths are pressure controlled. Spontaneous breaths can be triggered at both pressure levels.</p> <p>APRV Spontaneous breaths can be continuously triggered. The pressure Release between the levels contributes to ventilation. SPONT Every breath is spontaneous, with or without pressure-supported Spontaneous breaths. Intelligent ventilation ASV Operator sets %MinVol, PEEP, and Oxygen. Frequency, tidal volume, Pressure, and I:E ratio are based on physiological input from the patient</p> <p>Noninvasive modes NIV Every breath is spontaneous. NIV-ST Every breath is spontaneous as long as the patient is breathing above the set rate. A backup rate can be set for mandatory breath CPAP Demand flow Nasal Continuous Positive Airway Pressure. nCPAP-PC Breaths are pressure controlled and mandatory.</p> <p>--</p> <p>High flow oxygen therapy HiFlowO2 High flow oxygen therapy. Standard: <input type="checkbox"/> Option: O Not applicable: - -</p>				Mode form	Mode name	Mode	Adult/Ped	Neonatal
Mode form	Mode name	Mode	Adult/Ped	Neonatal				

Standard configuration and options (in alphabetical order)

Functions	Adult/Ped	Neonatal		
Capnography, mainstream (volumetric) and side stream			<input type="radio"/>	
Communication ports: COM1 port, USB port, Nurse call				
Communication protocols: for details see Connectivity brochure				
Event log (up to 1000 events with data and time stamp)			Intelli Trig	
(leak compensation) Languages	(English, US-English, Chinese, Croatian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Slovak, Spanish, Swedish, Turkish)			
Manual breath/prolonged inspiration			Nebulization, pneumatic	<input type="radio"/>
enrichment	<input type="checkbox"/>	Patient group	Print screen	<input type="checkbox"/>
Screen lock	<input type="checkbox"/>	<input type="checkbox"/>		
Speak valve compatibility			<input type="radio"/>	--
SpO2 monitoring	<input type="radio"/>	<input type="radio"/>		
Standby with timer	<input type="checkbox"/>	<input type="checkbox"/>		
Suctioning tool	<input type="checkbox"/>	--		
Trends/Loops	<input type="radio"/>	<input type="radio"/>		
Flow trigger	<input type="checkbox"/>	<input type="checkbox"/>		
Vent Status (Visual representation of ventilator dependence)			<input type="checkbox"/>	

Standard: Option: Not available: --

HAMILTON-C1

Technical performance

Description	Specification
Automatic expiratory base flow	Adult/Ped: Fixed at 3 l/min
Neonatal:	Fixed at 4 l/min
Inspiratory pressure	0 to 60 cmH2O
Maximum inspiratory flow	260 l/min (120 l/min with 100% O2)
Means of inspiratory triggering	Flow trigger control
Minimum expiratory time	20% of cycle time; 0.2 to 0.8 seconds
Oxygen mixer accuracy ± (volume fraction of 2.5% + 2.5% of actual reading)	
Preoperational checks	Tightness test, Flow Sensor/O2 sensor/CO2 sensor calibration
Tidal volume	Adult/Ped: 20 to 2000 ml
Neonatal:	2 to 300
Brightness setting for display	The range is 10% to 100% brightness. By default, Day is set to 80%; Night is set to 40%.

Standards and approvals

Classification Class IIb, continuously operating according to EC directive 93/42/EEC

Certification IEC 60601-1:2005/A1:2012, IEC 60601-1-2:2014, ANSI/AAMI ES60601-1:2005/(R)2012, ISO 80601-2-12:2011, CAN/CSA-C22.2 NO. 60601-1:14, EN ISO 5356-

1:2015, ISO 80601-2-55:2011

Declaration The HAMILTON-C1 was developed in accordance with pertinent international standards and FDA guidelines. The ventilator is manufactured within an EN ISO 13485 and EN ISO 9001, Council Directive 93/42/EEC, Annex II, Article 3 certified quality management system. The ventilator meets the Essential Requirements of Council Directive 93/42/EEC, Annex I.
Electromagnetic compatibility According to IEC 60601-1-2:2014
Safety Class Class II, Type B applied part (ventilator breathing system, VBS), type BF applied part CO2 sensor including CO2 module connector; SpO2 sensor including adapter, continuous operation according to IEC 60601-1

Pneumatic performance

High-pressure O2 Pressure: 2.8 to 6 bar / 41 to 87 psi
Connector: DISS (CGA 1240) or NIST
Low-pressure O2 Pressure: Maximum 6 bar / 87 psi
Connector: Quick-coupling system, compatible with

Colder Products

Company (CPC) PMC series

Air supply Integrated turbine

Inspiratory outlet (To patient port) Connector: ISO
ID15/OD22 conical

Expiratory outlet (From patient port) Connector (on expiratory valve) ISO ID15/OD22 conical

Electrical specifications

Input power 100 to 240 VAC ±10%, 50/60 Hz
Power consumption 50 VA typical, 150 VA maximum
Battery Electrical specifications: 6.7 Ah, 72 Wh, 50 W typical, 150 W maximum
Type: Lithium-ion, supplied by Hamilton Medical only
Normal operating time: One battery, display brightness = 80%:
4 h
One battery, display brightness = 20%: 4.5 h

Graphical patient data

Graphic type/tab name Options
Waveforms Pressure, Volume, Flow, PCO2 1, FCO2 1, Plethysmogram2
Intelligent panels Dynamic Lung 3, Vent Status, ASV Graph 4
Trends 1-, 6-, 12-, 24-, or 72-h5 trend data for a selected parameter or combination of parameters
Loops Pressure/Volume, Pressure/Flow, Volume/Flow, Volume/PCO21, Volume/FCO21

Alarms6

Priority Alarm
High priority Apnea time (s), ExpMinVol high/low (l/min), Oxygen high/low (%), Pressure high/low (cmH2O), Flow sensor calibration needed, Exhalation obstructed, Disconnection, Oxygen supply failed

Medium priority fTotal high/low (b/min), PetCO2 high/low (mmHg), Pressure limitation (cmH2O), Vt high/low (ml), SpO2 high/low, High PEEP, Loss of PEEP, Pulse high/low
 Low priority High SpO2, Loss of external power

- 1 CO2 option required.
- 2 SpO2 option required.
- 3 Only for adult/pediatric patients.
- 4 Only in ASV mode.
- 5 72-hour trend not available in all markets.
- 6 For a complete list of alarms, see your ventilator Operator's Manual.

HAMILTON-C1

Control settings and ranges⁷

Parameter (units)	Range Adult/Ped	Range Neonatal
Apnea backup	On, Off	On, Off
ETS (%)	5 to 80	5 to 80
Flow (l/min)	2 to 80 ⁸	2 to 12
Flow trigger (l/min)	1 to 20	0.1 to 5
Height (cm)	30 to 250	--
Height (in)	12 to 98	--
I:E	1:9 to 4:1	1:9 to 4:1
%MinVol (%)	25 to 350	--
Oxygen (%)	21 to 100	21 to 100
PEEP (cmH2O)	0 to 35	3 to 25
Pasvlimit (cmH2O)	5 to 60	--
Pcontrol (cmH2O)	5 to 60	3 to 45
Phigh APRV (cmH2O)	0 to 60	0 to 45
Phigh DuoPAP (cmH2O)	0 to 60	3 to 45
Pinsp (cmH2O)	3 to 60	3 to 45
Plow APRV (cmH2O)	0 to 35	0 to 25
Pramp (ms)	0 to 2000	0 to 600
Psupport (cmH2O)	0 to 60	0 to 45
Rate (b/min)	1 to 80	1 to 80
Sex	Male, Female	--
Sigh	On, Off	--
SpO2 monitoring	On, Off	On, Off
SpeakValve	On, Off	--
TI (s)	0.1 to 12	0.1 to 12
TI max (s)	1 to 3	0.25 to 3
Thigh APRV (s)	0.1 to 40	0.1 to 40
Thigh DuoPAP (s)	0.1 to 40	0.1 to 40
Tlow APRV (s)	0.2 to 40	0.2 to 40
Vt (ml)	20 to 2000	2 to 300
Vt/Weight (ml/kg)	--	5 to 12
Weight (kg)	--	0.2 to 30

⁷ Parameter settings and ranges can vary depending on the selected mode.

⁸ Flow limited to 60 l/min in some markets.

Monitoring parameters

Parameter (units)	Description
Pressure	AutoPEEP (cmH2O) Unintended positive end-expiratory pressure
	PEEP/CPAP (cmH2O) PEEP (positive end-expiratory pressure) and CPAP (continuous positive airway pressure)
	Pinsp (cmH2O) Inspiratory pressure
	Pmean (cmH2O) Mean airway pressure
	Ppeak (cmH2O) Peak airway pressure
	Pplateau (cmH2O) Plateau or end-inspiratory pressure
Flow	Control Flow (l/min) The set flow of gas to the patient when using HiFlowO2.
	Flow (l/min) In nCPAP mode, the average flow, updated every second. In nCPAP-PC mode, the average flow during expiration, updated every breath.
	Insp Flow (peak) (l/min) Peak inspiratory flow, spontaneous or mandatory
	Exp Flow (peak) (l/min) Peak expiratory flow
Volume	ExpMinVol or MinVol NIV (l/min) Expiratory minute volume
	MVSpont or MVSpont NIV (l/min) Spontaneous expiratory minute volume
	VTE or VTE NIV (ml) Expiratory tidal volume
	VTI (ml) Inspiratory tidal volume
	VLeak (%) Leakage percent or total minute volume leakage
	MVLeak (l/min) Leakage percent or total minute volume leakage
CO2	FetCO2 (%) Fractional end-tidal CO2 concentration
	PetCO2 (mmHg) End-tidal CO2 pressure
	slopeCO2 (%CO2/l) Slope of the alveolar plateau in the PetCO2 curve, indicating the volume/flow status of the lungs
	V'alv (l/min) Alveolar minute ventilation
	Vtalv (ml) Alveolar tidal ventilation
	V'CO2 (ml/min) CO2 elimination
	VDaw (ml) Airway dead space
	VDaw/VTE (%) Airway dead space fraction at the airway opening
	VeCO2 (ml) Exhaled CO2 volume
	ViCO2 (ml) Inspired CO2 volume
SpO2	SpO2 (%) Oxygen saturation
	Pulse (1/min) Pulse
	SpO2/FiO2 (%) The SpO2/FiO2 ratio (%) is an approximation of the PaO2/FiO2 ratio, which, in contrast to PaO2/FiO2, can be calculated noninvasively and continuously.
	PI (%) Perfusion index
	PVI (%) Pleth variability index
	SpCO (%) Carboxyhaemoglobin saturation

PARAMETETERS

SpO2 SpMet (%) Methaemoglobin saturation
SpHb (g/dl or mmol/l) Total haemoglobin
SpOC (ml/dl) Oxygen content
Oxygen Oxygen (%) Oxygen concentration of the delivered gas
Oxygen consumption (l/min) The current oxygen consumption rate
Time I:E Inspiratory:expiratory ratio
fControl (b/min) Mandatory breath frequency
fSpont (b/min) Spontaneous breathing frequency
fTotal (b/min) Total breathing frequency
TI (s) Inspiratory time
TE (s) Expiratory time
Lung mechanics Cstat (ml/cmH2O) Static compliance
P0.1 (cmH2O) Airway occlusion pressure
PTP (cmH2O*s) Pressure time product
RCexp (s) Expiratory time constant
Rinsp (cmH2O / (l/s)) Inspiratory flow resistance
RSB (1 / (l*min)) Rapid shallow breathing index

Physical characteristics

Weight 4.9 kg (10.8 lb)
16.9 kg (37.3 lb) with trolley
The trolley can accommodate a maximum safe working load of 44 kg (97 lb).
Dimensions See graphic above
Monitor Type: TFT color Size: 640 x 480 pixels, 8.4 in (214 mm) diagonal
Trolley accessories HAMILTON-H900 mounting system, optional O2 bottle holding system, optional tubing support arm

Manufacturer:

Hamilton Medical AG
Via Crusch 8, 7402 Bonaduz, Switzerland
☐ +41 58 610 10 20
info@hamilton-medical.com
www.hamilton-medical.com

7. NOTARIZED POWER OF ATTORNEY



BAYLEM LTD

For: Medical & Laboratory Equipment, Hospital Furniture,
Pathology Interior (Mortuary), Technical Services & Maintenance

STANDARD POWER OF ATTORNEY

TO ALL IT MAY CONCERN

THAT BY THIS POWER OF ATTORNEY given on the 15th November 2021 [insert date, month and year], WE the undersigned BAYLEM LIMITED of P. O. Box 12258-00400, Nairobi - Kenya, by virtue of authority conferred to us by the Board Resolution No...003/2021 of ...15th day of November 2021.....[insert year], do hereby ordain nominate and appoint Pasaka Ogumbo of P. O. Box 12258-00400, Nairobi- Kenya, to be our true lawful Attorney and Agent, with full power and authority, for us and in our names, and for our accounts and benefits, to do any, or all of the following acts, in the execution of tender No. Quotation No. PA-008/2021/2022/G/34 that is to say;

To act for the company and do any other thing or things incidental for Quotation No. PA-008/2021/2022/G/34 of Supply of Ventilators for the MUHIMBILI ORTHOPEDIC INSTITUTE;

AND provided always that this Power of Attorney shall not revoke or in any manner affect any future power of attorney given to any other person or persons for such other power or powers shall remain and be of the same force and affect as if this deed has not been executed.

AND we hereby undertake to ratify everything, which our Attorney or any substitute or substitutes or agent or agents appointed by him under this power on his behalf herein before contained shall do or purport to do in virtue of this Power of Attorney.

SEALED with the common seal of the said BAYLEM LIMITED [[insert name of the company] and delivered in the presence of us this 15th day of November 2021.

IN WITNESS whereof we have signed this deed on this 15th day of November 2021 at Dar Es Salaam for and on behalf of BAYLEM LIMITED.....

SEALED and DELIVERED by the
Common Seal of BAYLEM LIMITED
This 15th day of November 2021

}
Pasaka Ogumbo
DONOR

BEFORE ME:
RODNEY ABEL AMOLLO
COMMISSIONER FOR OATHS
P. O. BOX 55041, NAIROBI
P.105, 13004/1B

8. NOTIFICATION OF AWARD



P.O. Box 65474; DAR ES SALAAM, TANZANIA, MUHIMBILI COMPLEX
Executive Director: +255-022-2153359
General lines: +255-022-2151298/2152937/2152938
FAX: +255-022-2151744
E-Mail: info@moi.ac.tz

Offering Services in Orthopaedics, Neurosurgery and Traumatology

Ref. Tender No. PA-008/2021/2022/G/34

18/11/2021

Managing Director.

M/s Baylem Limited

P.O. Box 12258

NAIROBI

RE: NOTIFICATION OF AWARD FOR TENDER NO. PA-008/2021/2022/G/34 FOR SUPPLY OF VENTILATOR.

The Muhimbili Orthopaedic Institute is pleased to notify you M/s Baylem Ltd, P.O. Box 12258 Nairobi – Kenya, that you have been awarded the Tender No. PA-008/2021/2022/G/34, for Supply of ventilator for the period of 30 days starting from 1st December, 2021 to 2nd January, 2022 at the corrected evaluated bid price **Tshs 333,991,550.00 (Three hundred thirty three thousands, nine hundred ninety one thousand five hundred fifty shillings)** and as per indicate price schedule attached

You are required to acknowledge us within three Days after receiving the letter and you shall submit to us performance Bond within 28 days.

Yours Sincerely,

.....
Dr. R.L. Boniface
EXECUTIVE DIRECTOR

cc. Chief Executive officer
Public Procurement Regulatory Authority
P.O. Box 49
Dar-es-Salaam

9. MINUTES OF NEGOTIATION

RECORD OF NEGOTIATIONS

Name of the Procuring Entity: MUHIMBILI ORTHOPAEDIC INSITUTE (MOI)
Name of the Service Provider: BAYLEM LTD
Procurement Category/Nature of the Procurement: GOODS
Subject of Procurement: SUPPLY OF VENTILATORS PA-008/2021/2022/G/34
Method of Procurement: SINGLE SOURCE
Date of Negotiation: 18/11/2021
Place: ANAESTASIA ROOM
Time: 03:00 PM

PART 1: RECORD OF NEGOTIATIONS	
ISSUE	AGREEMENT (WITH FULL DETAILS)
Payment terms	We agreed that 40% will be the advance of Payment, and after delivery of goods 60% should be finished
Price Reduction	No Price reduction but he provided additional/extra things as follows:- 1) Autoclavable breathing circuit (complete) for each machine 2) Autoclavable bacterial filter for each machine
Employer and supplier obligations	NIL
AOB	<ol style="list-style-type: none">1. We agreed that he shall organize training for our biomedical engineers here in Dar es Salaam2. We agreed that he shall provide application training for users3. He will provide Annual Preventive Maintenance (PM) for each machine during 2 years of warrant4. We agreed that after two months he will be rounded to check the machine




Price schedule Supply of Ventilator

PA-008/2021/2022/G/34

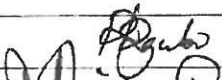
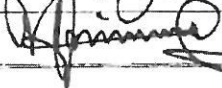
Item No	Description	Unit measure	Quantity	U/P+VAT	AMOUNT +VAT
1	Ventilator	Each	5	67,997,500.00	339,987,500.00

We hereby certify that the above is a true and accurate record of the negotiations:

FOR PROCURING ENTITY

S/N	NAME	POSITION & ORGANISATION	SIGNATURE & DATE
1.	Maimuna Rabe	Chairperson	
2.	Eliatsha Mwinia	Secretary	 18/11/20
3.	Naghuhiwa Msuya	Recorder	

FOR SUPPLIER

S/N	NAME	POSITION & ORGANISATION	SIGNATURE & DATE
1.	PASAKA OGUMBO	DIRECTOR	 18.11.20
2.	KEVIN AZIN ODHAMBO	CFO	 18.11.20