# EQUIPMENT PURCHASE SPECIFICATION

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| **QUOTATION /TENDER REFERENCE NO.** | |
| **TITTLE OF QUOTATION / TENDER** | TO SUPPLY AND DELIVER **TRANSPORT SYSTEMS FOR WHOLE BLOOD AND BLOOD PRODUCTS** FOR **BLOOD DONATION CENTRE,** DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH (CLUSTERING) |

| Clause | USER'S REQUIREMENT | | VENDOR'S OFFER | | | |
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| | **ITEM DESCRIPTIONS AND SPECIFICATIONS** | **QUANTITY** | **ITEM DESCRIPTIONS AND SPECIFICATIONS** | **COMPLY / NOT COMPLY** | **COST PER UNIT (B$)** | **TOTAL COSTS (B$)** |
| 1 | **Transport System for Whole Blood and Blood Products (Large)**<br><br>(i) A transport coolbox with capacity not more than 45 L<br>(ii) Capacity for whole blood units should **be at least 16 units but must not exceed 20 units** (450 ml per unit) or **at least 35 to 40 units of packed red cells** (250 ml per unit) per container<br>(iii) Able to maintain **both temperature ranges**: 1-6°C for packed red cells and 20 - 24°C for whole blood<br>(iv) Equipped with passive cooling elements (PCM: phase-change materials) to maintain aforementioned temperatures (separate PCM types or temperature shall be supplied)<br>(v) Number of cooling elements supplied **must be sufficient** | 3 | | | | |

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| | to maintain the **whole capacity of** either whole blood or packed red cells at aforementioned temperatures<br>(vi) A fully stacked coolbox must not weigh more than 40 kg. A trolley shall be provided for fully stacked transport coolbox that is equal to or above 40 kg (however must not exceed 50 kg) | | | | | |
| **2** | **Transport System for Blood Products (Medium)**<br><br>(i) A transport coolbox with capacity between 8 L to 10 L<br>(ii) Capacity for **at least 8 units** of packed red cells (above 250 ml per unit) or platelet concentrates (70 to 250 ml per unit)<br>(iii) Able to maintain **both temperature ranges:** 1-6 °C for packed red cells and 20 - 24°C for platelets concentrates<br>(iv) Equipped with passive cooling elements (phase-change materials) to maintain aforementioned temperature ranges (separate PCM type or temperature shall be supplied)<br>(v) Number of cooling elements supplied **must be sufficient** | 3 | | | | |

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| | to maintain the **whole capacity of** either packed red cells or platelet concentrates at aforementioned temperatures<br>(vi) A fully stacked coolbox must not weigh more than 10 kg | | | | | |
| 3 | **Transport Systems for Blood Products (Small)**<br><br>(i) A transport coolbox with capacity not more than 3 L<br>(ii) Capacity for **at least 2 units** of packed red cells (above 250 ml per unit) or platelet concentrates (250 ml per unit)<br>(iii) Able to maintain temperature of 1-6 °C for packed red cells and 20 - 24°C for platelets concentrates<br>(iv) Equipped with passive cooling elements (phase-change materials) to maintain above stated temperature range (separate PCM type or temperature shall be supplied)<br>(v) Number of cooling elements supplied **must be sufficient** to maintain the **whole capacity of** either packed red cells or platelet concentrates at aforementioned temperatures | 2 | | | | |

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| | (vi) A fully stacked coolbox must not weighed more than 3 kg | | | | | |
| 4 | Transport systems should be thermal insulated containers intended for the safe transport and temporary storage of whole blood or other blood components (packed red cells, platelet concentrates, fresh frozen plasma and cryoprecipitate) | | | | | |
| 5 | Each transport coolbox must be insulated and made up of sturdy material that is impervious to external forces such bumps or falls. Each transport coolbox must be corrosion-free material and can be cleaned and disinfected with conventional disinfectants. | | | | | |
| 6 | Each transport coolbox shall be equipped with clasps that can be sealed or locked or be provided with additional straps for secure transportations | | | | | |
| 7 | Each transport coolbox must be free of CFC and HCFC. | | | | | |
| 8 | Vendor shall supply each transport coolbox with a full set of passive cooling elements required to maintain temperature ranges as stated in Clause 1 to 3. Please state the number of cooling elements required for each coolbox for each temperature range.<br><br>For Item 1, if PCM (for maintaining temperature 20 to 24°C) requires more than 72 hours of preconditioning, additional one (1) full set of PCM should be supplied for each coolbox. | | | | | |

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| 9 | Cooling elements or PCM must be tested according to specifications of European commission/'Guide to the preparation, use and quality assurance of blood component' as outlined by Association of the Advancement of Blood and Biotherapies, ISBT or equivalent. Please provide evidence. | | | | | |
| 10 | Vendor shall ensure each transport coolbox shall be able to meet the minimum number of whole bloods or blood products as stated in Clause 1 to 3, including sufficient number of cooling elements as Clause 8. Vendor shall supply additional number of coolbox or cooling elements if found, they do not meet the minimum requirements at no additional cost. | | | | | |
| 11 | Vendor shall provide each transport cool box in appropriate dimension vinyl labels (a) 'Blood Product in Temporary Transit' (b) Biohazard Symbol Labels must:<br>(i) Be resistant to water and chemical (such as formaldehyde, xylene, alcohol and acids)<br>(ii) have strong adhesive property<br>(iii) not fade or smudge easily<br>(iv) Be resistant to extreme temperature<br>(v) Be affixed on at least two sides of each container | | | | | |
| 12 | Vendor shall provide 3 units of blood bank bag thermometers<br>The thermometer must be:<br>(i) Traceable to NIST Standards and Certificate of Calibration shall be included<br>(ii) Able to measure temperature range of +1 to +40°C | | | | | |

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| | (iii) Inclusive of battery if used<br>(iv) Inclusive of PPM and recalibration of data temperature yearly and the warranty period | | | | | |
| 13 | **PRODUCT PRESENTATION AND/OR DEMONSTRATION**<br>Vendor shall provide a presentation and/or demonstration on the offered product no later than ONE (1) month after the closing date of this advertisement. | | | | | |
| 14 | **INTERNATIONAL MARKING**<br>The offered equipment shall be CE Marked or FDA approved or have equivalent international marking that is acceptable by the User. | | | | | |
| 14.1 | Wherever applicable, transport coolbox are preferably conformed with European agreement in the international transport of hazardous goods by Road (ADR), by Rail (RID), by sea (IMDG). | | | | | |
| 14.2 | Wherever applicable, Transport coolbox are preferably be classified as Medical Device Class IIa according to Regulation (EU) 2017/745 or equivalent. Please provide evidence. | | | | | |
| 15 | **SAFETY STANDARDS**<br>The offered equipment shall be certified according to any international safety standards that is acceptable by the User. Please state the safety standards and submit a copy of the certificate. | | | | | |
| 16 | **WARRANTY**<br>Vendor shall provide an extended warranty for the offered equipment up to 3 years of its life. This warranty shall cover all service works, technical support, periodic and preventive maintenance, spare parts and replacements for all transport coolbox and cooling elements. | | | | | |

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| **17** | **VALIDATION** | | | | | |
| **17.1** | Vendor shall validate each transport systems upon delivery and validation process must be completed at a maximum of six (6) weeks after delivery. Reports of validation shall be submitted to the User for review and for approval by Head of Section. | | | | | |
| **17.2** | On delivery, vendor shall perform validation on each transport system and ensure the performance is within the acceptance limit of performance or as per manufacturer's recommendations or as per User's acceptance criteria. | | | | | |
| **17.3** | Validation of each transport system shall be inclusive of the following scopes (but not limited to) of:<br>• Item 1: Transportation of whole blood from campaign sites to Component Processing Laboratory, Blood Donation Centre, at a maintained temperature of 20° - 24°C, fully stacked with whole blood units and cooling elements for maximum of 12 hours journey/hold-over<br>• Item 1: Storage of packed red cell at maintained temperature 1° - 6°C with cooling elements for a duration that is validated by manufacturer.<br>• Item 2 and 3: Transportation of packed red cells from National Blood Transfusion Reference Laboratory to district blood bank (or vice versa) at maintained temperature 1° - 6°C with cooling elements.<br>• Item 2 and 3: Transportation of platelet concentrates from National Blood Transfusion Reference Laboratory to district blood bank (or | | | | | |

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| | vice versa) at maintained temperature 20° - 24°C with cooling elements<br><br>**Vendor shall bear the cost for validation including the use of any additional materials or tests reagents**. | | | | | |
| **18** | **LITERATURE** | | | | | |
| **18.1** | To supply one (1) CD or one (1) set of hard copy of the Operating Manual and Service Manual shall be provided upon delivery. | | | | | |
| **18.1** | To supply the laboratory with one (1) set of Material Safety Data Sheet (MSDS) for cooling elements offered. | | | | | |
| **19** | **TRAINING**<br>Training shall be provided, at no additional cost, as follows: | | | | | |
| **19.1** | On-site training for ALL staff members (including User's appointed third party logistic services) expected to handle the equipment. Please ensure that adequate time is allocated such that training will take place in small groups to minimize staff shortage in the laboratory. | | | | | |
| **19.2** | Certificate of attendance and competence shall be issued to all trainees after completion of training. | | | | | |
| **20** | **DELIVERY PERIOD:**<br>Preferably 4 – 8 weeks and no later than 12 weeks after issue of Purchase Order | | **(Yes / No)**<br>**(If No, please specify)** | | | |
| **21** | **PRICE VALIDITY:**<br>The quotation shall remain valid for **6 MONTHS** from the final date for the submission of the quotation and no supplier may withdraw his/her quotation within that period. The Government reserves the right to extend this period if deemed necessary provided that such extension to the | | | | | |

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| | quotation validity period shall have written consent of the supplier(s). | | | | | |

* 6 months validity required for <$50K or 12 months for >$50K

** (Delete whichever is not applicable)

[a] Only applicable for equipment valued at >$100K

| No. | GENERAL SPECIFICATIONS | VENDOR'S OFFER |
|---|---|---|
| A | **Model & Brand** | |
| B | **Country of Origin** | |
| C | **Total Price Per Test (CIF): B$** | |
| D | **Price Ranking:** | |
| E | **Where marketed** | |
| F | **Year of Manufacture** | |
| G | **Warranty:** | |
| H | **Delivery Time:** | |
| I | **Power Requirements:** | |
| J | **Battery Back-up:** | |
| K | **International Safety Standard:** | |
| L | **Technical Support:** | |
| M | **Equipment Whole Life Support** | |
| N | **Dimensions (WxHxD) cm:** | |
| O | **Weight (kg):** | |
| P | **User Manuals** | |
| Q | **Service Manuals** | |
| R | **Spare-parts & Consumables Listing** | |
| S | **Technical Training On-Site:** | |
| T | **Site Requirements:** | |

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

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| **DELIVERY PERIOD AFTER PO ISSUED** | **4-8 weeks and no longer than 12 weeks** | |
| Lab/Section/Unit | BLOOD DONATION CENTRE | |
| Lab/Section/Unit Ref No.: | DLS/PU/BDC/2025/12 | |
| Person to Contact | Name :NUR AFIQAH ABDULLAH | |
| | E-mail : Afiqah.abdullah@moh.gov.bn | |
| | Tel.No. : 2242424 ext.6001 | Fax No. : 2220869 |
| **FOR ADMINISTRATION USE ONLY** | | |
| PPM/PROC Ref.No. | PPM/PROC/2025/<50K/013(BDC) | |
| Advertisement Ref. No. | | Date : |