REPUBLIC OF THE PHILIPPINES
QUEZON CITY GOVERNMENT
BIDS AND AWARDS COMMITTEE –
GOODS AND SERVICES

BAGONG PILIPINAS

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

PROCUREMENT OF VARIOUS MEDICAL EQUIPMENT (PLATELET SHAKER, PLASMA EXTRACTOR AND OTHERS)

PROJECT NO. RMBGH-25-HME-0814

Government of the Republic of the Philippines

Sixth Edition
July 2020

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; and (iv) the obligations, duties, and/or functions of the winning bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Goods to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.

b. Specific details, such as the "*name of the Procuring Entity*" and "*address for bid submission*," should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.

c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.

d. The cover should be modified as required to identify the Bidding Documents as to the Procurement Project, Project Identification Number, and Procuring Entity, in addition to the date of issue.

e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.

f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

Table of Contents

Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender.* (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means "delivered duty paid."

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as "Call-Offs," are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency

which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;

b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;

c. The deadline for the submission and receipt of bids; and

d. Any important bid evaluation criteria (*e.g.*, the application of a margin of preference in bid evaluation).

The IB should be incorporated in the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, **Quezon City Local Government** *wishes* to receive Bids for the **PROCUREMENT OF VARIOUS MEDICAL EQUIPMENT (PLATELET SHAKER, PLASMA EXTRACTOR AND OTHERS)** with identification number **PROJECT NO. RMBGH-25-HME-0814.**

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

The Procurement Project (referred to herein as "Project") is composed of **eighteen (18)** ***items***, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2025** in the amount of **FORTY MILLION THREE HUNDRED FORTY-FIVE THOUSAND PESOS AND 00/100 ONLY (Php40,345,000.00).**

2.2. The source of funding is:

a. LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership exceeding those allowed under the rules may participate pursuant to:

i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;

ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;

iii. When the Goods sought to be procured are not available from local suppliers; or

iv. When there is a need to prevent situations that defeat competition or restrain trade.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

a. For the procurement of Non-Expendable Supplies and service: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that: Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing as indicated in paragraph 6 of the **IB.**

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.

10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within ***the last three (3) years*** prior to the deadline for the submission and receipt of bids.

10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an Apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.

11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.

11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

a. For Goods offered from within the Procuring Entity's country:

i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);

ii. The cost of all customs duties and sales and other taxes already paid or payable;

iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and

iv. The price of other (incidental) services, if any, listed in e.

b. For Goods offered from abroad:

i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.

ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications).**

13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in:

a. Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration[1] or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security ***in no case shall exceed One Hundred Twenty (120) calendar days from the date of opening of bids, unless duly extended by the bidder upon the request of the Head of the Procuring Entity (HoPE) of the Quezon City Local Government.*** Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

[1] In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time through manual submission as indicated in paragraph 7 of the **IB.**

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded as follows:

One Project having several items that shall be awarded as one contract.

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the

NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Notes on the Bid Data Sheet

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

a. Information that specifies and complements provisions of the ITB must be incorporated.

b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

<table>
<tr><th>ITB Clause</th><th></th></tr>
<tr><td>5.3</td><td>For this purpose, contracts similar to the Project shall be:

a. A single contract similar to the item/s to be bid and must be at least fifty percent (50%) of the ABC.

b. Completed within the last three (3) years prior to the deadline for the submission and receipt of bids substantially in a FORM prescribed by the QC-BAC-GOODS AND SERVICES, must be accompanied by a copy of Certificate of Acceptance by the end-user or Official Receipt (O.R) or Sales Invoice (S.I.) issued for the Contract.</td></tr>
<tr><td>7.1</td><td>Subcontracting is not allowed.</td></tr>
<tr><td>12</td><td>The price of the Goods shall be quoted DDP within Quezon City or the applicable International Commercial Terms (INCOTERMS) for this Project.</td></tr>
<tr><td>14.1</td><td>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:

a. The amount of not less than Php 806,900.00 or equivalent to two percent (2%) of ABC if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or

b. The amount of not less than Php 2,017,250.00 or equivalent to five percent (5%) of ABC if bid security is in Surety Bond.</td></tr>
<tr><td>19.3</td><td><table><tr><th colspan="2">APPROVED BUDGET FOR THE CONTRACT</th></tr><tr><td>Item Nos. 1-3</td><td>P 625,000.00</td></tr><tr><td>Item Nos. 4-18</td><td>P 39,720,000.00</td></tr><tr><td>TOTAL</td><td>P 40,345,000.00</td></tr></table></td></tr>
<tr><td>20.2</td><td>List of required licenses and permits relevant to the Project and the corresponding law requiring it.

• No additional requirement</td></tr>
<tr><td>21.2</td><td>Additional required documents relevant to the Project that are required by existing laws and/or the Procuring Entity.

• Copy of valid, current License to Operate from DOH Accreditation as Supplier, Distributor or Manufacturer for Medical or Hospital Equipment or Devices.

• Statement of Warranty with project number and project title:
➢ For all items - Minimum of one (1) year warranty on parts and service
➢ For item no. 10 -Two (2) years parts/service warranty
Five (5) years service warranty.
Ten (10) years warranty on availability of parts.</td></tr>
</table>

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC).**

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.

6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Goods purchased. In preparing this Section, the following aspects should be checked:

a. Information that complements provisions of the GCC must be incorporated.

b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
1	*[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]* **Delivery and Documents –** For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDP" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows: *[For Goods supplied from abroad, state:]* "The delivery terms applicable to the Contract are DDP delivered [*indicate place of destination*]. In accordance with INCOTERMS." *[For Goods supplied from within the Philippines, state:]* "The delivery terms applicable to this Contract are delivered *[indicate place of destination]*. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination." Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements). For purposes of this Clause the Procuring Entity's Representative at the Project Site is *[indicate name(s)]*. **Incidental Services –** The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements: *Select appropriate requirements and delete the rest.* a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
	e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. f. *[Specify additional incidental service requirements, as needed.]* The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

	Spare Parts – The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier: *Select appropriate requirements and delete the rest.* a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and b. in the event of termination of production of the spare parts: i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested. The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price. The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [*indicate here the time period specified. If not used indicate a time period of three times the warranty period*]. Spare parts or components shall be supplied as promptly as possible, but in any case, within [*insert appropriate time period*] months of placing the order.
	Packaging – The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit. The packaging, 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, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity. The outer packaging must be clearly marked on at least four (4) sides as follows: Name of the Procuring Entity Name of the Supplier

	Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications
	A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging. **Transportation –** Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.
	Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure. The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination. **Intellectual Property Rights –** The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	*[If partial payment is allowed, state]* "The terms of payment shall be as follows: _____."
4	The inspections and tests that will be conducted are: *Product Presentation/Demonstration/Site Inspection, if applicable.*

Section VI. Schedule of Requirements

PROJECT NAME: PROCUREMENT OF VARIOUS MEDICAL EQUIPMENT (PLATELET SHAKER, PLASMA EXTRACTOR AND OTHERS)
PROJECT NO. RMBGH-25-HME-0814

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Unit of Issue	Quantity	Delivered, Weeks/Months
1	**PLATELET SHAKER** Operates at a fixed speed of 60 strokes per minute Holds up to 60 bags with at least 10 slide out shelves and on fixed top shelf. Simple on/off controller with a soft start motion. Detects a lack of motion and alerts the user with an audible beeper. Stainless steel finish, 230 Volts	unit	1	**Within Ninety (90) Calendar Days Upon Issuance of the Notice to Proceed**
2	**PLASMA EXTRACTOR** Applicable Blood Bag - 100mL, 200mL, 300mL, 400mL Material - Stainless Steel External Size (WxDxH) - at least 190 x 300 x 240 mm	unit	1	
3	**INOCULATION LOOP STERILIZER** Display LED Temperature range - Room Temperature -120°C, Central Zone Max Temp - 825±50 the heating zone adjustable angle 0-40°C Max. outer diameter of sterilized items - 15mm Total length of heating area - 140mm Heating tube - Ceramic Shell - ABS Voltage - 220V, 50/60Hz Power - 190W Working Temperature - 10-40°C Working Humidity <80%RH Storage Temperature - 40-60°C Storage Humidity - 10-90%RH	unit	1	
4	**PORTABLE VENTILATOR** 3-1 Ventilator with Trolley (Adult, Pedia and Neonate) <u>Appearance and operation:</u> Angle adjustable full color 12.1-inch TFT touch screen with high resolution (1280x800). Integrated Li-ion backup battery run time: Up to 180min. with 1 battery. Electronically controlled turbine technology for supporting transportation of the patient inside hospital or inside intensive care unit. Invasive and non-invasive ventilation could be used inside ICU or outside ICU. With O2 therapy function for sequential therapy. Dedicated inspiratory & expiratory flow sensor to ensure ventilation accuracy. Inspiratory & Expiratory modules can be autoclavable. Capable for Adult, Pediatric and Neonate patients. <u>The ventilator should include ventilation mode such as:</u> Standard ventilation mode: V-A/C, V-SIMV, P-A/C, P-SIMV, CPAP, PSV, Duo level, APRV, PRVC	unit	3	

	Intelligent synchronization technology which will automatically determine the best respiratory trigger sensitivity or pressure rise time for the patient spontaneous breath. Other functions: Expiratory Hold, Inspiratory Hold, Manual breath, Pneumatic Nebulizer, O2 Enrichment, Suction support, PEEPi measurement, P0.1 measurement, NIF measurement. Graphically display the status of lung, including the respiratory mechanics. <u>Parameters setting range should be:</u> Tidal volume: at least 2 mL – 2000 mL Respiratory rate: 1-100 breath/min SIMV rate: 1-60 breath/min. Inspiratory pressure: at least 5-80 cmH2O Pressure support: at least 0-80 cmH2O PEEP: 0-50 cmH2O Oxygen therapy flow: 2-80 L/min Show trended data for the last 72 hours, and store 5000 history log information. With screen lock function Ventilator Data, trends and screenshots can be exported to USB. **<u>Inclusions:</u>** 5 pcs Disposable bacterial filter 2 pcs Filter cotton 1 pc Disposable breathing circuit adult 2 pcs Dust filter for fan 1 pc Oxygen Sensor 1 pc Gas Hose 1 pc Disposable Latex Free 1L Test Lung 1 pc Inspiratory valve assembly 1 pc Humidifier assembly, Neonate 1 pc Exhalation valve assembly 1 pc disposable breathing circuit with heating wire, Infant 1 pc Respiratory Humidifier/Adult/without breathing circuit (including water chamber) 1 pc Reusable silicone breathing circuit 1 pc Neonatal reusable flow sensor 1 unit Trolley (including breathing circuit support arm and basket assembly)			
5	**BP APPARATUS (STAND TYPE)** Aneroid, Mobile Type (Adult and Pedia) Patented one mold design stand to ensure maximum stability. Synchronize wheel movement because of the independent caster's rotation 0-300 mmHg calibration scale, 2 mm graduation 150mm large scale, easy to read graduation printed in blue background against white graduation. Hard plastic manometer with chrome plated steel bracket Cuff quality with CE mark, inflation bulb made up of latex material with sensitive adjustable reduction valve. Extension spiral tube, extensible to 300cm Adjustable height with integrated large cuff basket Easy to handle and easy to transport Glow in the dark capability	unit	10	
6	**ANESTHESIA MACHINE** 15.6 inches colored touch screen, which can be rotated and adjusted at multiple angles at four-dimensional level	unit	2	

	depending on the needs of the operation position, and the touch screen is foldable as well Machine should provide three module slots, which not only supports the usage of 3 modules at the same time to realize the monitoring of EtCO2, AG, BIS, O2 etc., but also is compatible with modular monitors for the same brand The anesthesia machine should include the following three gas sources: O2*2, N2O and Air Equipped with at least semi-electronic flow meters, the FiO2 and total flow can be set directly and the gas can be mixed automatically; O2 sensor is paramagnetic The anesthesia machine should include the following ventilation modes: VCV, PCV, SIMV-VC, SIMV-PC, CPAP/PSV, PRVC, PSV-Pro, SIMV-PRVC, manual. <u>Under controlled ventilation mode:</u> Tidal volume setting range under VCV mode: 10 - 1500mL Tidal volume control range under PCV mode: 5~1500mL Setting range of breathing ratio: 4:1 ~ 1:8 Inspiratory pause setting range: OFF, 5%~60% <u>High-precision tidal volume control system:</u> Tidal volume in the range of 15mL to 60mL: ±10mL Tidal volume in the range of 210mL to 1500mL (excluding 210mL): ±15% of the set value. <u>Under synchronized and support ventilation modes, parameters setting range should be:</u> Trigger window setting range: 5%~90% Inspiratory time setting range: 0.2~0.5s Inspiratory trigger setting range: flow trigger 1~15L/min, pressure trigger -20~-1cm H2O Supported pressure setting range: 3 - 70 cm H2O <u>Monitoring scope of key parameters:</u> Minute ventilation monitoring range: 0-30 L/min Inspiratory and expiratory tidal volume monitoring range: 0~3000mL Compliance monitoring range: 0-999mL/cmH2O Air resistance monitoring range: 0~600 cmH2O/(s/L) <u>The anesthesia machine should Include the following parameters:</u> Respiratory rate, *PEEP, *FiO2 *Peak pressure *Average pressure *Plateau pressure Optional: EtCO2, BIS Concentration of anesthetic agent Able to display the following waveforms: P-T, V-T, F-T waveforms, CO2 waveform and BIS waveform, all 5 waveforms can be displayed on the same screen. Able to display the following loops: P-V loop, P-F loop and V-F loop. The loop diagram analysis function can mark the reference loop and provide the reference loop-related respiratory mechanics parameters. The integrated circuit is made of PPSU material, so it's autoclavable. Equipped with an ACGO, it can be connected with a special disposable breathing circuit for avoiding infection. Include auxiliary gas supply outlet, the oxygen concentration should be adjustable.			

	Include By-pass function, there is no leakage while replacing soda-lime during surgery which ensures the operation of the anesthesia machine will not be affected. The machine should include a heater for heating breathing system to reduce condensate water. Circuit leakage should not exceed 65mL/min <u>The anesthesia machine should include the following alarms:</u> Apnea alarm, apnea ≥2min alarm, continuous high airway pressure alarm. Pressure limit alarm, negative pressure alarm Airway pressure upper and lower limit alarm Inhaled and exhaled tidal volume upper and lower limit alarm. Minute ventilation upper and lower limit alarm Inhaled and exhaled oxygen concentration upper and lower limit alarms. Inhalation and end-tidal CO2 concentration upper and lower limit alarms. Inhalation and end-tidal N2O concentration upper and lower limit alarms. Inhalation and end-tidal anesthetic gas concentration upper and lower limit alarms. Weak BIS signal quality alarm and other physiological alarms. <u>Patient Monitoring:</u> Portable patient vital signs monitor, suitable for all patient categories adult, pedia and neonate. Monitor can be mounted on standard wall, and mobile stand. Robust design allows for use in demanding environments; fan-less design. Soft-touch keys, durable and easy to clean With rechargeable lithium ion battery with ≥6 hours (2*2,500 mAh) for continuous operation. Seven channels high resolution color TFT touchscreen with at least 13.3 inches display for 5 lead ECG cable 12 maximum wave form. Screen style: Normal screen, Trend screen, OxyCRG screen, Large Font screen and Vital screen (Gesture operation to switch). Customizable Interface Layout Must have the following parameters: ECG, SpO_2, high-performance NIBP, CNBP, Respiration and Temperature. Must be ready for 2 Temperature, and respiration Must have individual sweep speed setting for ECG and SpO2. Should have at least 2400 hours at 1 second trend data are stored; NIBP measurements at 1200 sets; Alarm Events at 1000 sets. SpO_2 measurement with very low perfusion detection and pulse beep. Must have 4-split multiple display modes for diverse hospital environment. Screen freeze ON/OFF must be available. With OxyCRG software that displays a neonate's heart rate, respiration, and oxygenation levels. Drug Calculation must be a standard function			

	Must have an external HDMI output for large screen display. Must be capable to connect to Central monitoring system for at least 128 units using LAN and WIFI. High-performance ECG detection and analysis ST level, PVC count real-time display 33 types of Arrhythmia analysis Must have a user selectable pacemaker detection function Screen size must be at least 13.3 inches color TFT, LCD, 1920 x 1080 pixels (Full touch Screen). Must be at least 322(W) x 250(H) x 162(D) mm Must have at least approximately 3.5kg for easy transport and portability. Battery status, External Power LED Power supply: AC 100-240V(60Hz); 1.6 A to 0.8 A Defibrillator Sync. Output LAN digital output for transferring data Shall have Nurse Call System connection External HDMI monitor connection USB port for Optional Barcode Scanner and memory data storage. Must have a built-in thermal printer with Speed: 25,50mm/sec, Paper width: at least 58mm Must have a multiple language selection. Parameters color display selection must be available Must be HL7 ready for HIS easy connectivity Must have a patient demographic data: First and Last Name, Gender, Birthday, Weight, Height, Blood Type Alarm set-up for each parameter must be available Must have categorized alarms (3 priority levels) high, moderate and low. **Should have visual alarm lamp on top of the display**: - high priority alarm: red - moderate priority alarm: yellow - low priority alarm: blue Visual lamp handle light up for high priority alarm (red light) that can be viewed in 360 degrees. Should have graded and color coded visual/audio alarms and silencing feature for audio alarms. Alarm sound must be in 2 selectable to brand specific sound and IEC-60601 standard sound. Alarm volume must be between 10% to 100% Shall have the ingress protection of IP22 <u>ECG Parameters:</u> Must be capable of 3/5-lead selectable, 6/12-lead Must have of maximum 7 channels for 5-lead ECG HR range for adult: 15-300 bpm; Neonate/Pediatric: 15-350 bpm HR accuracy must be ± 1bpm or ± 1%, whichever is greater Sweep speed selection between 6.25, 12.5, 25, 50 mm/sec Should have at least 13 ECG filters: **Bandwidth (-3dB)**: - Diagnosis: 0.05 to 150 Hz - Diagnosis 1: 0.05 to 40 Hz - Monitor: 0.5 to 40 Hz - Surgery: 1 to 20 Hz - Enhanced: 2 to 18 Hz - Customized: High-pass filter and Low-pass filter **CMRR:** - Diagnosis: >95 dB			

	- Diagnosis 1: >95 dB (when Notch is turned on) - Monitor: >105 dB - Surgery: >105 dB - Enhanced: >105 dB - Customized: >105 dB (Low-pass filter <40Hz); >95dB (Low-pass filter (>40Hz). **HUMS**: - In diagnosis, Diagnosis 1, monitor, surgery, enhanced and customized modes: 50Hz/60Hz (Hum Filter can be turned on or off manually). Must have an electrosurgical interference and defibrillation protection. **SpO2 Parameters**: Dual SpO2 for CCHD (Critical Congenital Heart Disease) detection. SpO2 Saturation range should be 0 to 100% SpO2 Saturation accuracy ±2% (70%~100% SpO2) for adult/pedia; ±3% (70%~100% SpO2) for neonate and 0 to 69% unspecified (adult/pedia and neonate). Pulse rate range via SpO2: 25 to 300 bpm Pulse rate accuracy via SpO2: ± 2 bpm Pulse rate resolution: 1 bpm **Non-Invasive Blood Pressure Parameters**: Non-invasive blood pressure method: Oscillometry NIBP Operation mode Manual / Automatic / Continuous / Sequence. NIBP Pressure range must be 0 to 300mmHg (accuracy: ±5mmHg). Safety pressure: - Adult: 297 ±3 mmHg - Pediatric: 245 ±3 mmHg - Neonate: 147 ±3 mmHg Measurement Range Adult Pressure (mmHg): SYS: 25 ~ 290 DIA: 10 ~ 250 MAP: 15 ~ 260 Pulse Rate: 40 to 240 BPM Pediatric Pressure (mmHg): SYS: 25 ~ 240 DIA: 10 ~ 200 MAP: 15 ~ 215 Pulse Rate: 40 to 240 BPM Neonate Pressure (mmHg): SYS: 25 ~ 140 DIA: 10 ~ 115 MAP: 15 ~ 125 Pulse Rate: 40 to 240 BPM Typical Measuring Period: iFAST measurement: 15 s **Continuous Non-Invasive Blood Pressure Parameters**: Capable for monitoring patients' blood pressure continuously, enabling a prompt reaction to every sudden BP change that could be hidden by traditional NIBP monitoring. **Temperature Parameters**: Must have at least 2 channels Must be available in celsius and fahrenheit Measurement range should be between 0 to 50°C (32 to 122°F). Accuracy: ± 0.3°C <u>Inclusions:</u> O2 vaporizer (ISO and SEVO) 1 piece O2 sensor 1 piece each for Oxygen, Air and N2O gas hose 15 pieces sponge for absorbing tank 2 sets Adult breathing circuit 1 set Pediatric breathing circuit			

	1 piece each of adult and pediatric inflatable mask Dual channel Oxygen Gas Input Port Kits Power Cord User Manual			
7	**INSUFFLATOR** Insufflation medium: Medical CO2 Max. Gasflow: 50L/min Pressure range: 1-30mmHg Power Supply: 100-240V~ Frequency: 50/60Hz Power consumption:150 VA Current Consumption: 100 V: 1.5 A I 240 V:0.63A Classifications: Protection Class I, Type BF, IP 21 Dimensions (WxHxD): 406 x 150 x 395 mm Weight: 10kg * ***Compatible with existing Laparoscopic Tower***	unit	1	
8	**PULSE OXIMETER HANDHELD (Adult, Pedia/Neonate)** <u>Physical Specifications</u> Dimension: 160 mm(L) × 70 mm(W) × 37.6 mm(H) Weight: 160 mm(L) × 70 mm(W) × 37.6 mm(H) <u>Battery</u> Alkaline Batteries Quantity: 4 Capacity: 2600mAh Typical Operation Time: 48 h or longer Ni-MH Rechargeable Battery Capacity: 1500mAh Typical Battery Life: 30 h or longer Charge Time: No more than 2.5 h to 80%; No more than 4 h to 100%. <u>Charger Stand</u> Input Voltage: (100 to 240) VAC, 50 Hz/60Hz, 0.4 A - 0.15 A Output Voltage: 6 VDC Output Current: 0.8 A Output Power: 4.8 W <u>Display</u> Screen Type: 128×64 dot-matrix LCD, with white LED backlight Large Numeric Mode: 128×64 dot-matrix LCD, with white Waveform Mode: SpO2, PR, Bar graph and Plethysmogram displayed <u>Data Storage</u> Data Storage: 300 hours Patient ID: 100 <u>SpO2</u> Measurement Range: SpO2, PR, Bar graph and Plethysmogram Resolution: 1% Accuracy: Adult and Pediatric: ±2% (70%~ 100%) Undefined (0%~ 69%) Neonate: ± 3% (70%~ 100%) Undefined (0%~ 69%) <u>Pulse Rate</u> Measurement Range: 25 bpm ~ 300 bpm Resolution: 1 bpm Accuracy: ±2 bpm <u>Safety Specifications</u> Type of Protection: Internally powered equipment Degree of Protection: Type BF-Applied part Ingress Protection: IP22	unit	3	

	Environmental Specification Temperature: Working: +0°C to +40°C (32°F ~ 104°F) Transport and Storage: -25°C to +70°C (-13°F ~ 158°F) Humidity: Working: 15%RH to 95%RH (non-condensing) Transport and Storage: 15%RH to 95%RH (non condensing) Altitude: Working: 70 kPa to 106 kPa Transport and Storage: 70 kPa to 106 kPa			
9	**DENTAL CHAIR** Technical Specification: Should have the latest overhead delivery system Should have two 3-way syringes (tip autoclavable) one on unit side and other on the assistant side. Should have one high speed Air Rotor terminal with water control on coupling supplied with hand pieces. It should have one high- speed fiber-optic air-rotor terminal with hand piece. One air motor and micromotor terminal having straight and contra angle hand pieces. It should have LED light cure on unit sides Should have one Ultrasonic Scaler (frequency 28-36KHz) with 3 scaler tips and one set of period curette tips. Should have high and low vacuum motorized with continuous nonstop function suction. Should have two erasable programmable and return to Zero position. Should have LED film-based X-ray viewer Should be provided with rotatable right arm It should have multifunctional foot control base (fixed or mobile). It should be provided with one doctor's stool with adjustable backrest tilt including an adjustable ring for foot rest. Oil Free Compressor, 2 HP with silicon filter and dryer (Medical Grade). Voltage: 220 Volts Ampere: 3.8 Amps Power: 850 Watts Frequency: 60Hz Exhaust: 81 L/min Rated exhaust pressure: 0.8Mpa Noise: 56 ~ 65 Db Power input to be 220V - 60Hz With Servo Voltage stabilizer of appropriate ratings meeting Philippines specifications (Input 160-260V and output 220-240V and 60 Hz). Must have mounted LED TV Monitor with at least 12 inches x 15 inches. With at least 18 mega pixel resolution Intra Oral Camera	unit	1	
10	**DENTAL LASER** Technical Specifications: Diode Laser for Dental application Laser Classification: IV (4) Medium: InGaAsP Semiconductor diode Wavelength: 940nm	unit	1	

	Peak Power: 10W Operating Voltage: 100V-240V at 1.5A Frequency: 50/60Hz Main Control: Power Switch Remote Interruption: Remote Interlock Disable Control: Emergency stop button DC Power Supply Module: 12V DC, 5A Power Modes: Continuous, Pulse Modulation Fiber Tip Diameter: 200μm, 300μm, 400μm Pulse Duration: 0.01ms-20ms Pulse Interval: 001ms-20ms Pulse Repetition Rate: Up to 20kHs NOHD: 4.77 meters Beam Divergence: 8-22 degrees per side angle Standard Fiber Cable Length: 5 feet (1.524 meters) Note: **Two (2) years parts/service warranty, Five (5) years service warranty, Ten (10) years parts availability warranty, Free delivery and installation**			
11	**BRUSH LESS MICROMOTOR** Technical Specifications: Control system: vector control system Motor type: brushless Speed: 2,000-40,000 Torque: 3.4 Ncm Power input: DC 24V Motor size: 22 x 71 mm Noise: <60dB Light source: LED (white light) Two (2) Contra angle handpieces, 1:5 for highspeed, 1:1 for low speed.	unit	1	
12	**DENTAL AUTOCLAVE** Tanks capacity: at least minimum or better 24 to 30 liters Pressure tank: In Aluminum or stainless steel Quick tank heating and cooling Safety and resistance to constant heating processes Trays: In Aluminum or stainless steel Excellent mechanical strength and resistance to temperature ranges keeping its characteristics. Door: In Ejected Aluminum Light and stable openings, assuring appropriate close and sealing during all sterilization cycle. Doors Seal, Ring: Silicon It has excellent flexibility and resistance to temperature and pressure ranges, assuring suitable sealing. Internal thermal insulation: Glass wool It assures that heating cycle occurs with higher speed with no loss of temperature and keeps the devices external temperature within the acceptable safety limits. Indication for Monitoring: Manometer (pressure/temperature). It allows suitable monitoring of work temperature and pressure during all sterilization cycle. Electric system micro-controlled for time and temp Emergency key electronic system that interrupts the cycle of sterilization. Two overpressure valves-safety seal, Sintered filter Internal thermal insulator. Anti-vacuum under pressure valve, with solenoid valve or its equivalent.	unit	1	

	Silicone ring for sealing the door with system for accidental opening of door electrical set. Tension of Feeding - 127/220V (with reversible key) Frequency: 50/60Hz Electrical Protection - fusible Potency - 1600 VA Nominal current - 15A 127V~ / 8A 220V~ Pressure tank: Aluminum or stainless steel Door Sealing Ring - Silicone Electronic System - Micro controlled (time and temperature) Safety thermostat - Electromechanical type Water - Manual insertion with dosing cup Trays - Aluminum Support - Stainless Steel Operation Temperature: 128°C ±5 (123 to 133°C) Door opening - Depressurization system by lever Diameter of the chamber - 21.4 cm **With one (1) year replacement warranty and factory warranty.**			
13	**DENTAL LIGHT CURE** The LED system of this appliance has a long useful life, equivalent to 36 million of cycles of 10 seconds without loss of power and efficiency in the photoactivation Voltage: 93V/260V 10% Frequency: 50/60Hz Power: 15 VA Fuse: 1 A Blue Light source: 1 LED (Light Emitting Diodes) Active Source: Semiconductor Wave Length: 440nm a 460nm Display: Numerical standard 7 segments Timer: 1, 10, 20, 40, 60, 80, and 90 seconds Time beep: A short beep every 10 seconds and 5 beeps after the end of 90 seconds Operation: By means of the button on the pen, activation of the LED and adjustment of the activation time Light: Application Tip Conductor: made a special ABS, revolving, removable and reusable Handpiece body: Made of polymer Net Weight: 0.163 kg, with **one (1) year replacement warranty and factory warranty**	unit	1	
14	**DENTAL CABINET ORGANIZER** Medical grade stainless steel with handle with 7 drawers Portable with wheel safety locks for stability Aseptic and soft closing drawers with medical grade drawer liner Table top guard rails with bottle holders Satin finish body and polished finish lining Waterproof and stain proof 7 drawer compartments 1.0mm top shelf 0.8mm drawers and cover with caster wheels with lock At least minimum of Dim: 480mmL x 510mmW x 785mmH. With **one (1) year replacement warranty** from rust or drawer guide metal furniture; dental instrument organizer with liner.	unit	1	

15	**DENTAL WASHER MACHINE** 65L capacity, for the washing of the medical instruments. Washing with the 93°C hot water, also with the help of the multi-enzyme detergent. To clean and dry the dental hand piece and instruments Three functional versions: Basic washing; Washing + Disinfect + Print; Washing + Disinfect + Print + Dry 1. Inter volume: 65L 2. 2 layers bracket 3. Cleaning 24 dental handpieces 4. Less than 5 Liters water for whole program 5. Dimension - Main Unit: L 550 * W 500 * H 590 (MM) 6. Net Weight: ≤30kg 7. Working Noise: ≤50dB Power Supply: 220V 50Hz Rated Power: 1380W Rated external water pressure: 0.04-1.00MPa Supporting cold/hot water Internal flow pressure: 0.390.4MPa Collocating intelligent water softener Adding special salt can improve water quality and enhance cleaning effect. Safety device: Automatic fault diagnosis (prompt) and emergency shutdown. Lumen volume: 65L Dimension – Main Unit: 550*500*680 (L*W*H mm) Packing size: 650*610*800 (L*W*H mm) Net Weight: ≤30kg Working Noise: ≤50dB <u>Packing List:</u> 8 Drain Pipe 1 strip 2 cleaning basket Printer Salt hopper Rubber port (24 pieces) Cleaning rack (1 piece) End cap (24 pieces) Accessories basket (1 piece) Measuring cup (2 pieces) Water Inlet (1 strip)	unit	1	
16	**PORTABLE X-RAY MACHINE** Mobile trolley system: The column is non-telescopic Machine size LWH: 1100 x 470 x 1780 mm The tube moves through the supporting mechanism The tube relative to ground vertical movement, manual The tube around the column rotation movement The tube can be moved along the length direction of the telescopic arm. The tube around the axis of rotation, manual The tube around its horizontal axis rotation movement, manual. The tube moves vertically to the ground The minimum distance between the focus to the ground: 550mm The maximum distance between the focus to the ground: 2300 mm The tube rotates around the column: ±340°	unit	1	

	The telescopic distance of the tube along the telescopic arm: ≥600mm The tube rotates round its sagittal axis ±180° The tube rotates round its coronal axis 120, Front: 90°, Back: 30° Collimator Rotation related to tube: ±100°manually Wireless remote-control Exposure **X-ray voltage generator** Power 40kW mA range ≥500 mA Output voltage range 40-150kV Exposure time ≤1 ms - 8s **X-ray tube** Focal spot 0.6/1.2mm The range of output voltage 40-150kV Max. output tube current: ≥500 mA Max. anode heat capacity: ≥300kHU Anode cooling type: Cooling naturally **Flat panel detector** Effective image size 14x17 inches Pixel size ≤140μm Pixel matrix ≥2500 x 3000 Cooling type: Cooling naturally Data output wireless web: IEEE 802.11n **Collimator** Light field control mode manual, with reverse and forward control for the motor drive Lighting time 30s **Image Acquisition Workstation** Operating system Windows 7 or better Memory 4 GB or better Hard disc more than 500GB or better Display at least 19 inches touching LED display Display Resolution: ≥1280x1024 **Software Image Acquisition Workstation** Image Acquisition software interface: English X-ray generator control: X-ray parameters setting: kV, ma, mAs, ms, L/S focal spot chosen. Exposure management: APR X-ray Image, Acquisition: Image Preview Image Management: Image Transmission Image Printing Type Setting: Automatically/Manually Match with DICOM 3.0 standard DICOM MPPS: RIS/HIS DICOM Image transmission function DICOM storage function DICOM Users can send the DICOM image to the print service for printing. Image zooming, image flipping, left and right marks of the image, window width and window adjustment, image reduction function, image annotation, and image measurement. **Power Condition** Power voltage single phase: 100~240 VAC Power frequency 50/60Hz Emergency control, the frame movement part has the emergency stop control, and the emergency stop switch can cut off the power supply of the system. **Environment request**			

	Using environment request operating temperature: 15-30 Relative humidity: 20-75 no condensation Pressure: 70-106kPa Transportation environment request Transportation temperature: -15 -40 Relative Humidity: 10-100 no condensation Atmospheric pressure: 106kPa			
17	**BLOOD CHAIR DONOR** Application for the blood stations, center and blood donation housing. Ergonomic design, security and comfort Back and leg position adjustable by linear actuator The appearance which is made of high-strength fiber material and poly-layer paint. Frame is made of premium powder coated steel Mattress using medical polyurethane foam molding Technical Specifications: Seat Size: at least 1900mm*580mm (720mm at the widest) Seat Height: 550mm Back rest lifting: 0° ~ 70° Leg rest lifting: 0° - 60° Armrest swing out: 0° - 120° Armrest size: 480*160mm	unit	1	
18	**AUTOCLAVE 185 LITERS** Volume: 185L Material: Double jacket, inner chamber is made from SUS304 stainless steel. Design pressure: -0.1~0.25Mpa (Highland area: -0.1/0.28Mpa) Design temperature: 139°C Service life: 8 years (16000 sterilization cycles) Main body insulation: 10mm glass wool Testing interface: Standard Rc1 verification port, other size test interface can be specially made. Number of doors: Single Door / Double Door Door panel: Tensile plate, material thickness ≥6mm Material: SUS304 stainless steel Opening and closing the door mode: Multi-point press-fit, radiation type latch structure. Security interlock: Pressure safety interlock device: only when the door is closed in place, the power can be turned on to produce steam from heating; with pressure in the inner chamber, the door cannot be opened. Door sealing method: Molded with transparent medical silicone rubber. Door cover: Molded with FRP high-efficiency heat insulation material. Control valve: Japan SMC solenoid valve Steam generation method: No need for external steam source, equipped with Built-in steam generator. Water injection and drainage method: Automatic water filling, water can be replenished during program operation Pressure gauge: Range: -0.1 ~ 0.5MPa Accuracy grade: 1.6, imported brands. Safety valve: Full-opening safety valve Vacuum pump: Single-pole water ring vacuum pump, fast evacuation speed, deep evacuation limit. Control Mode: Programmable controller control, high-performance, high-efficiency, C-language programming embedded single-board controller.	unit	1	

	Embedded industrial dedicated CPU from Z-WORLD USA as the core unit, integrated FLASH memory, static RAM, digital I/O ports, RS232 serial port and a 10M industrial Ethernet (optional). Extremely low power consumption, maximum 5W, very low external electromagnetic interference (EMI). High-level language-C programming, powerful and supporting uC/OS-II real-time multitasking. PCB board with military-grade tri-proof treatment, working temperature in the range of -40 to 85 degrees, can be in the harsh industrial environment of long-term stable work. with multiple communication interfaces supporting MODBUS_TCP, MODBUS_ASCII/RTU and multiple custom protocols. Wide voltage range from 165V to 240V. Optional pressure sensor control Interface display: 6.7 inches LCD touch screen man-machine interface, the touch screen can display information such as temperature, pressure, time, operation status and fault alarm in real time with a display accuracy of 0.1°C; pressure, temperature and time values of the sterilization program can be set on the touch screen by itself as needed. Strong anti-interference capability, suitable for use in an environment with 85% relative humidity. Touch screen display of the current working stage, working status and stage information. Touch-screen operation, easy and fast operation; Process control: Preparation, pulse, steam charge, sterilization, steam exhaust, drying and end, the whole process is automatically controlled with low and high temperature alarm and mis-operation protection, with multi-grade low temperature compensation function. Adopt negative pressure pulsating exhaust method to exclude cold air in the sterilization chamber and load. Sensor failure self-test and protection function: The device automatically detects sensor faults and displays alarm messages on the touch screen. Alarm display: When a fault occurs, the touch screen displays the name of the alarm and the beeping alarm is 30S, which can be eliminated at any time. Drying mode: There are 3 kinds of drying methods: vacuum drying, pulse drying and circulation drying, which can effectively and fully dry the sterilized items. Exhaust mode: With 2 types of fast and slow steam discharge to avoid liquid overflow during liquid sterilization. Water level detection alarm function: When the water level in the sterilizer does not reach the specified level, the low water level alarm will automatically cut off the heating power. Temperature Indicator: A grade precision temperature sensor collects temperature, display accuracy 0.1°C. Temperature control mode: Single temperature control Self-calibration function: Has a set of perfect background self-calibration system to achieve the calibration of pressure, temperature and other system parameters, without disassembling the instrument, the use of permission tools can be adjusted on site. Recording mode: Built-in RS232 interface, optional built-in micro thermal printer to achieve data traceability records, to achieve F0 value printing.			

	Authority Management: Multi-level password authority management, only by entering the correct password, can different authority, to modify the parameters. Security Protection Over-temperature automatic protection device: over the set temperature, the system automatically cut off the heating power. Anti-dry burning protection device: when the water level is too low, the system automatically cuts off the heating power. Overpressure automatic relief device: exceeding the safety valve opening pressure, the safety valve opens to release pressure. Overcurrent protection device: when the equipment current is overloaded, the overcurrent protection switch operates and the system automatically cuts off the power supply. Leakage protection device: when the equipment has a leakage fault, the system automatically cuts off the power. Program Name: Equipment with fabric, instrument, rubber, liquid, custom and other sterilization procedures and B-D, leakage procedures and other test programs. Application range: Non-liquid program for sterilization of surgical instruments, solid bare instruments, Class A cavity instruments, packaged instruments, rubber, etc. The liquid program is suitable for sterilization of liquids such as water, culture media, etc., with slow vapor discharge. Loading device: U-shaped shelf with loading rack Chamber size (Φ×L): Φ500×950 Dimension (L×W×H): 1350×750×1750 Equipment power supply: Single Phase : AC380V, 50Hz Power: 11.5kVA			
	***			

I hereby certify to comply and deliver all the above requirements.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Section VII. Technical Specifications

Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "*or at least equivalent.*" References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

Technical Specifications

PROJECT NAME: PROCUREMENT OF VARIOUS MEDICAL EQUIPMENT (PLATELET SHAKER, PLASMA EXTRACTOR AND OTHERS)
PROJECT NO. RMBGH-25-HME-0814

Item	Specification	Statement of Compliance
		[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
	With the following minimum technical specifications	
A.1	**PLATELET SHAKER** Operates at a fixed speed of 60 strokes per minute Holds up to 60 bags with at least 10 slide out shelves and on fixed top shelf. Simple on/off controller with a soft start motion. Detects a lack of motion and alerts the user with an audible beeper. Stainless steel finish, 230 Volts	
2	**PLASMA EXTRACTOR** Applicable Blood Bag - 100mL, 200mL, 300mL, 400mL Material - Stainless Steel External Size (WxDxH) - at least 190 x 300 x 240 mm	
3	**INOCULATION LOOP STERILIZER** Display LED Temperature range - Room Temperature -120°C, Central Zone Max Temp - 825±50 the heating zone adjustable angle 0-40°C Max. outer diameter of sterilized items - 15mm Total length of heating area - 140mm Heating tube - Ceramic Shell - ABS Voltage - 220V, 50/60Hz Power - 190W Working Temperature - 10-40°C Working Humidity <80%RH Storage Temperature - 40-60°C Storage Humidity - 10-90%RH	
4	**PORTABLE VENTILATOR** 3-1 Ventilator with Trolley (Adult, Pedia and Neonate) <u>Appearance and operation:</u> Angle adjustable full color 12.1-inch TFT touch screen with high resolution (1280x800). Integrated Li-ion backup battery run time: Up to 180min. with 1 battery.	

	Electronically controlled turbine technology for supporting transportation of the patient inside hospital or inside intensive care unit. Invasive and non-invasive ventilation could be used inside ICU or outside ICU. With O2 therapy function for sequential therapy. Dedicated inspiratory & expiratory flow sensor to ensure ventilation accuracy. Inspiratory & Expiratory modules can be autoclavable. Capable for Adult, Pediatric and Neonate patients. <u>The ventilator should include ventilation mode such as:</u> Standard ventilation mode: V-A/C, V-SIMV, P-A/C, P-SIMV, CPAP, PSV, Duo level, APRV, PRVC Intelligent synchronization technology which will automatically determine the best respiratory trigger sensitivity or pressure rise time for the patient spontaneous breath. Other functions: Expiratory Hold, Inspiratory Hold, Manual breath, Pneumatic Nebulizer, O2 Enrichment, Suction support, PEEPi measurement, P0.1 measurement, NIF measurement. Graphically display the status of lung, including the respiratory mechanics. <u>Parameters setting range should be:</u> Tidal volume: at least 2 mL – 2000 mL Respiratory rate: 1-100 breath/min SIMV rate: 1-60 breath/min. Inspiratory pressure: at least 5-80 cmH2O Pressure support: at least 0-80 cmH2O PEEP: 0-50 cmH2O Oxygen therapy flow: 2-80 L/min Show trended data for the last 72 hours, and store 5000 history log information. With screen lock function Ventilator Data, trends and screenshots can be exported to USB. **<u>Inclusions:</u>** 5 pcs Disposable bacterial filter 2 pcs Filter cotton 1 pc Disposable breathing circuit adult 2 pcs Dust filter for fan 1 pc Oxygen Sensor 1 pc Gas Hose 1 pc Disposable Latex Free 1L Test Lung 1 pc Inspiratory valve assembly 1 pc Humidifier assembly, Neonate 1 pc Exhalation valve assembly 1 pc disposable breathing circuit with heating wire, Infant 1 pc Respiratory Humidifier/Adult/without breathing circuit (including water chamber) 1 pc Reusable silicone breathing circuit 1 pc Neonatal reusable flow sensor 1 unit Trolley (including breathing circuit support arm and basket assembly)	
5	**BP APPARATUS (STAND TYPE)** Aneroid, Mobile Type (Adult and Pedia)	

	Patented one mold design stand to ensure maximum stability. Synchronize wheel movement because of the independent caster's rotation 0-300 mmHg calibration scale, 2 mm graduation 150mm large scale, easy to read graduation printed in blue background against white graduation. Hard plastic manometer with chrome plated steel bracket Cuff quality with CE mark, inflation bulb made up of latex material with sensitive adjustable reduction valve. Extension spiral tube, extensible to 300cm Adjustable height with integrated large cuff basket Easy to handle and easy to transport Glow in the dark capability	
6	**ANESTHESIA MACHINE** 15.6 inches colored touch screen, which can be rotated and adjusted at multiple angles at four-dimensional level depending on the needs of the operation position, and the touch screen is foldable as well Machine should provide three module slots, which not only supports the usage of 3 modules at the same time to realize the monitoring of EtCO2, AG, BIS, O2 etc., but also is compatible with modular monitors for the same brand The anesthesia machine should include the following three gas sources: O2*2, N2O and Air Equipped with at least semi-electronic flow meters, the FiO2 and total flow can be set directly and the gas can be mixed automatically; O2 sensor is paramagnetic The anesthesia machine should include the following ventilation modes: VCV, PCV, SIMV-VC, SIMV-PC, CPAP/PSV, PRVC, PSV-Pro, SIMV-PRVC, manual. <u>Under controlled ventilation mode:</u> Tidal volume setting range under VCV mode: 10 - 1500mL Tidal volume control range under PCV mode: 5~1500mL Setting range of breathing ratio: 4:1 ~ 1:8 Inspiratory pause setting range: OFF, 5%~60% <u>High-precision tidal volume control system:</u> Tidal volume in the range of 15mL to 60mL: ±10mL Tidal volume in the range of 210mL to 1500mL (excluding 210mL): ±15% of the set value. <u>Under synchronized and support ventilation modes, parameters setting range should be:</u> Trigger window setting range: 5%~90% Inspiratory time setting range: 0.2~0.5s Inspiratory trigger setting range: flow trigger 1~15L/min, pressure trigger -20~-1cm H2O Supported pressure setting range: 3 - 70 cm H2O <u>Monitoring scope of key parameters:</u> Minute ventilation monitoring range: 0-30 L/min Inspiratory and expiratory tidal volume monitoring range: 0~3000mL Compliance monitoring range: 0-999mL/cmH2O	

	Air resistance monitoring range: 0~600 cmH2O/(s/L) <u>The anesthesia machine should Include the following parameters:</u> Respiratory rate, *PEEP, *FiO2 *Peak pressure *Average pressure *Plateau pressure Optional: EtCO2, BIS Concentration of anesthetic agent Able to display the following waveforms: P-T, V-T, F-T waveforms, CO2 waveform and BIS waveform, all 5 waveforms can be displayed on the same screen. Able to display the following loops: P-V loop, P-F loop and V-F loop. The loop diagram analysis function can mark the reference loop and provide the reference loop-related respiratory mechanics parameters. The integrated circuit is made of PPSU material, so it's autoclavable. Equipped with an ACGO, it can be connected with a special disposable breathing circuit for avoiding infection. Include auxiliary gas supply outlet, the oxygen concentration should be adjustable. Include By-pass function, there is no leakage while replacing soda-lime during surgery which ensures the operation of the anesthesia machine will not be affected. The machine should include a heater for heating breathing system to reduce condensate water. Circuit leakage should not exceed 65mL/min <u>The anesthesia machine should include the following alarms:</u> Apnea alarm, apnea ≥2min alarm, continuous high airway pressure alarm. Pressure limit alarm, negative pressure alarm Airway pressure upper and lower limit alarm Inhaled and exhaled tidal volume upper and lower limit alarm. Minute ventilation upper and lower limit alarm Inhaled and exhaled oxygen concentration upper and lower limit alarms. Inhalation and end-tidal CO2 concentration upper and lower limit alarms. Inhalation and end-tidal N2O concentration upper and lower limit alarms. Inhalation and end-tidal anesthetic gas concentration upper and lower limit alarms. Weak BIS signal quality alarm and other physiological alarms. <u>Patient Monitoring:</u> Portable patient vital signs monitor, suitable for all patient categories adult, pedia and neonate. Monitor can be mounted on standard wall, and mobile stand. Robust design allows for use in demanding environments; fan-less design. Soft-touch keys, durable and easy to clean	

	With rechargeable lithium ion battery with ≥6 hours (2*2,500 mAh) for continuous operation. Seven channels high resolution color TFT touchscreen with at least 13.3 inches display for 5 lead ECG cable 12 maximum wave form. Screen style: Normal screen, Trend screen, OxyCRG screen, Large Font screen and Vital screen (Gesture operation to switch). Customizable Interface Layout Must have the following parameters: ECG, SpO_2, high-performance NIBP, CNBP, Respiration and Temperature. Must be ready for 2 Temperature, and respiration Must have individual sweep speed setting for ECG and SpO2. Should have at least 2400 hours at 1 second trend data are stored; NIBP measurements at 1200 sets; Alarm Events at 1000 sets. SpO_2 measurement with very low perfusion detection and pulse beep. Must have 4-split multiple display modes for diverse hospital environment. Screen freeze ON/OFF must be available. With OxyCRG software that displays a neonate's heart rate, respiration, and oxygenation levels. Drug Calculation must be a standard function Must have an external HDMI output for large screen display. Must be capable to connect to Central monitoring system for at least 128 units using LAN and WIFI. High-performance ECG detection and analysis ST level, PVC count real-time display 33 types of Arrhythmia analysis Must have a user selectable pacemaker detection function Screen size must be at least 13.3 inches color TFT, LCD, 1920 x 1080 pixels (Full touch Screen). Must be at least 322(W) x 250(H) x 162(D) mm Must have at least approximately 3.5kg for easy transport and portability. Battery status, External Power LED Power supply: AC 100-240V(60Hz); 1.6 A to 0.8 A Defibrillator Sync. Output LAN digital output for transferring data Shall have Nurse Call System connection External HDMI monitor connection USB port for Optional Barcode Scanner and memory data storage. Must have a built-in thermal printer with Speed: 25,50mm/sec, Paper width: at least 58mm Must have a multiple language selection. Parameters color display selection must be available Must be HL7 ready for HIS easy connectivity Must have a patient demographic data: First and Last Name, Gender, Birthday, Weight, Height, Blood Type Alarm set-up for each parameter must be available Must have categorized alarms (3 priority levels) high, moderate and low.	

	Should have visual alarm lamp on top of the display: - high priority alarm: red - moderate priority alarm: yellow - low priority alarm: blue Visual lamp handle light up for high priority alarm (red light) that can be viewed in 360 degrees. Should have graded and color coded visual/audio alarms and silencing feature for audio alarms. Alarm sound must be in 2 selectable to brand specific sound and IEC-60601 standard sound. Alarm volume must be between 10% to 100% Shall have the ingress protection of IP22 <u>ECG Parameters:</u> Must be capable of 3/5-lead selectable, 6/12-lead Must have of maximum 7 channels for 5-lead ECG HR range for adult: 15-300 bpm; Neonate/Pediatric: 15-350 bpm HR accuracy must be ± 1bpm or ± 1%, whichever is greater Sweep speed selection between 6.25, 12.5, 25, 50 mm/sec Should have at least 13 ECG filters: **Bandwidth (-3dB)**: - Diagnosis: 0.05 to 150 Hz - Diagnosis 1: 0.05 to 40 Hz - Monitor: 0.5 to 40 Hz - Surgery: 1 to 20 Hz - Enhanced: 2 to 18 Hz - Customized: High-pass filter and Low-pass filter" **CMRR:** - Diagnosis: >95 dB - Diagnosis 1: >95 dB (when Notch is turned on) - Monitor: >105 dB - Surgery: >105 dB - Enhanced: >105 dB - Customized: >105 dB (Low-pass filter <40Hz); >95dB (Low-pass filter (>40Hz). **HUMS**: - In diagnosis, Diagnosis 1, monitor, surgery, enhanced and customized modes: 50Hz/60Hz (Hum Filter can be turned on or off manually). Must have an electrosurgical interference and defibrillation protection. **SpO2 Parameters**: Dual SpO2 for CCHD (Critical Congenital Heart Disease) detection. SpO2 Saturation range should be 0 to 100% SpO2 Saturation accuracy ±2% (70%~100% SpO2) for adult/pedia; ±3% (70%~100% SpO2) for neonate and 0 to 69% unspecified (adult/pedia and neonate). Pulse rate range via SpO2: 25 to 300 bpm Pulse rate accuracy via SpO2: ± 2 bpm Pulse rate resolution: 1 bpm **Non-Invasive Blood Pressure Parameters**: Non-invasive blood pressure method: Oscillometry NIBP Operation mode Manual / Automatic / Continuous / Sequence. NIBP Pressure range must be 0 to 300mmHg (accuracy: ±5mmHg).	

	Safety pressure: - Adult: 297 ±3 mmHg - Pediatric: 245 ±3 mmHg - Neonate: 147 ±3 mmHg Measurement Range Adult Pressure (mmHg): SYS: 25 ~ 290 DIA: 10 ~ 250 MAP: 15 ~ 260 Pulse Rate: 40 to 240 BPM Pediatric Pressure (mmHg): SYS: 25 ~ 240 DIA: 10 ~ 200 MAP: 15 ~ 215 Pulse Rate: 40 to 240 BPM Neonate Pressure (mmHg): SYS: 25 ~ 140 DIA: 10 ~ 115 MAP: 15 ~ 125 Pulse Rate: 40 to 240 BPM Typical Measuring Period: iFAST measurement: 15 s **Continuous Non-Invasive Blood Pressure Parameters:** Capable for monitoring patients' blood pressure continuously, enabling a prompt reaction to every sudden BP change that could be hidden by traditional NIBP monitoring. **Temperature Parameters:** Must have at least 2 channels Must be available in celsius and fahrenheit Measurement range should be between 0 to 50°C (32 to 122°F). Accuracy: ± 0.3°C <u>Inclusions:</u> O2 vaporizer (ISO and SEVO) 1 piece O2 sensor 1 piece each for Oxygen, Air and N2O gas hose 15 pieces sponge for absorbing tank 2 sets Adult breathing circuit 1 set Pediatric breathing circuit 1 piece each of adult and pediatric inflatable mask Dual channel Oxygen Gas Input Port Kits Power Cord User Manual	
7	**INSUFFLATOR** Insufflation medium: Medical CO2 Max. Gasflow: 50L/min Pressure range: 1-30mmHg Power Supply: 100-240V~ Frequency: 50/60Hz Power consumption:150 VA Current Consumption: 100 V: 1.5 A | 240 V:0.63A Classifications: Protection Class I, Type BF, IP 21 Dimensions (WxHxD): 406 x 150 x 395 mm Weight: 10kg ** Compatible with existing Laparoscopic Tower*	
8	**PULSE OXIMETER HANDHELD (Adult, Pedia/Neonate)** <u>Physical Specifications</u> Dimension: 160 mm(L) × 70 mm(W) × 37.6 mm(H) Weight: 160 mm(L) × 70 mm(W) × 37.6 mm(H) <u>Battery</u> Alkaline Batteries Quantity: 4 Capacity: 2600mAh Typical Operation Time: 48 h or longer Ni-MH Rechargeable Battery	

	Capacity: 1500mAh Typical Battery Life: 30 h or longer Charge Time: No more than 2.5 h to 80%; No more than 4 h to 100%. <u>Charger Stand</u> Input Voltage: (100 to 240) VAC, 50 Hz/60Hz, 0.4 A - 0.15 A Output Voltage: 6 VDC Output Current: 0.8 A Output Power: 4.8 W <u>Display</u> Screen Type: 128×64 dot-matrix LCD, with white LED backlight Large Numeric Mode: 128×64 dot-matrix LCD, with white Waveform Mode: SpO2, PR, Bar graph and Plethysmogram displayed <u>Data Storage</u> Data Storage: 300 hours Patient ID: 100 <u>SpO2</u> Measurement Range: SpO2, PR, Bar graph and Plethysmogram Resolution: 1% Accuracy: Adult and Pediatric: ±2% (70%~ 100%) Undefined (0%~ 69%) Neonate: ± 3% (70%~ 100%) Undefined (0%~ 69%) <u>Pulse Rate</u> Measurement Range: 25 bpm ~ 300 bpm Resolution: 1 bpm Accuracy: ±2 bpm <u>Safety Specifications</u> Type of Protection: Internally powered equipment Degree of Protection: Type BF-Applied part Ingress Protection: IP22 <u>Environmental Specification</u> Temperature: Working: +0°C to +40°C (32ºF ~ 104ºF) Transport and Storage: -25°C to +70°C (-13ºF ~ 158ºF) Humidity: Working: 15%RH to 95%RH (non-condensing) Transport and Storage: 15%RH to 95%RH (non condensing) Altitude: Working: 70 kPa to 106 kPa Transport and Storage: 70 kPa to 106 kPa	
9	**DENTAL CHAIR** <u>Technical Specification:</u> Should have the latest overhead delivery system Should have two 3-way syringes (tip autoclavable) one on unit side and other on the assistant side. Should have one high speed Air Rotor terminal with water control on coupling supplied with hand pieces. It should have one high- speed fiber-optic air-rotor terminal with hand piece. One air motor and micromotor terminal having straight and contra angle hand pieces. It should have LED light cure on unit sides	

	Should have one Ultrasonic Scaler (frequency 28-36KHz) with 3 scaler tips and one set of period curette tips. Should have high and low vacuum motorized with continuous nonstop function suction. Should have two erasable programmable and return to Zero position. Should have LED film-based X-ray viewer Should be provided with rotatable right arm It should have multifunctional foot control base (fixed or mobile). It should be provided with one doctor's stool with adjustable backrest tilt including an adjustable ring for foot rest. Oil Free Compressor, 2 HP with silicon filter and dryer (Medical Grade). Voltage: 220 Volts Ampere: 3.8 Amps Power: 850 Watts Frequency: 60Hz Exhaust: 81 L/min Rated exhaust pressure: 0.8Mpa Noise: 56 ~ 65 Db Power input to be 220V - 60Hz With Servo Voltage stabilizer of appropriate ratings meeting Philippines specifications (Input 160-260V and output 220-240V and 60 Hz). Must have mounted LED TV Monitor with at least 12 inches x 15 inches. With at least 18 mega pixel resolution Intra Oral Camera	
10	**DENTAL LASER** Technical Specifications: Diode Laser for Dental application Laser Classification: IV (4) Medium: InGaAsP Semiconductor diode Wavelength: 940nm Peak Power: 10W Operating Voltage: 100V-240V at 1.5A Frequency: 50/60Hz Main Control: Power Switch Remote Interruption: Remote Interlock Disable Control: Emergency stop button DC Power Supply Module: 12V DC, 5A Power Modes: Continuous, Pulse Modulation Fiber Tip Diameter: 200µm, 300µm, 400µm Pulse Duration: 0.01ms-20ms Pulse Interval: 001ms-20ms Pulse Repetition Rate: Up to 20kHs NOHD: 4.77 meters Beam Divergence: 8-22 degrees per side angle Standard Fiber Cable Length: 5 feet (1.524 meters) Note: **Two (2) years parts/service warranty, Five (5) years service warranty, Ten (10) years parts availability warranty, Free delivery and installation**	
11	**BRUSH LESS MICROMOTOR** Technical Specifications: Control system: vector control system Motor type: brushless	

	Speed: 2,000-40,000 Torque: 3.4 Ncm Power input: DC 24V Motor size: 22 x 71 mm Noise: <60dB Light source: LED (white light) Two (2) Contra angle handpieces, 1:5 for highspeed, 1:1 for low speed.	
12	**DENTAL AUTOCLAVE** Tanks capacity: at least minimum or better 24 to 30 liters Pressure tank: In Aluminum or stainless steel Quick tank heating and cooling Safety and resistance to constant heating processes Trays: In Aluminum or stainless steel Excellent mechanical strength and resistance to temperature ranges keeping its characteristics. Door: In Ejected Aluminum Light and stable openings, assuring appropriate close and sealing during all sterilization cycle. Doors Seal, Ring: Silicon It has excellent flexibility and resistance to temperature and pressure ranges, assuring suitable sealing. Internal thermal insulation: Glass wool It assures that heating cycle occurs with higher speed with no loss of temperature and keeps the devices external temperature within the acceptable safety limits. Indication for Monitoring: Manometer (pressure/temperature). It allows suitable monitoring of work temperature and pressure during all sterilization cycle. Electric system micro-controlled for time and temp Emergency key electronic system that interrupts the cycle of sterilization. Two overpressure valves-safety seal, Sintered filter Internal thermal insulator. Anti-vacuum under pressure valve, with solenoid valve or its equivalent. Silicone ring for sealing the door with system for accidental opening of door electrical set. Tension of Feeding - 127/220V (with reversible key) Frequency: 50/60Hz Electrical Protection - fusible Potency - 1600 VA Nominal current - 15A 127V~ / 8A 220V~ Pressure tank: Aluminum or stainless steel Door Sealing Ring - Silicone Electronic System - Micro controlled (time and temperature) Safety thermostat - Electromechanical type Water - Manual insertion with dosing cup Trays - Aluminum Support - Stainless Steel Operation Temperature: 128°C ±5 (123 to 133°C) Door opening - Depressurization system by lever Diameter of the chamber - 21.4 cm **With one (1) year replacement warranty and factory warranty.**	

13	**DENTAL LIGHT CURE** The LED system of this appliance has a long useful life, equivalent to 36 million of cycles of 10 seconds without loss of power and efficiency in the photoactivation Voltage: 93V/260V 10% Frequency: 50/60Hz Power: 15 VA Fuse: 1 A Blue Light source: 1 LED (Light Emitting Diodes) Active Source: Semiconductor Wave Length: 440nm a 460nm Display: Numerical standard 7 segments Timer: 1, 10, 20, 40, 60, 80, and 90 seconds Time beep: A short beep every 10 seconds and 5 beeps after the end of 90 seconds Operation: By means of the button on the pen, activation of the LED and adjustment of the activation time Light: Application Tip Conductor: made a special ABS, revolving, removable and reusable Handpiece body: Made of polymer Net Weight: 0.163 kg, with **one (1) year replacement warranty and factory warranty**	
14	**DENTAL CABINET ORGANIZER** Medical grade stainless steel with handle with 7 drawers Portable with wheel safety locks for stability Aseptic and soft closing drawers with medical grade drawer liner Table top guard rails with bottle holders Satin finish body and polished finish lining Waterproof and stain proof 7 drawer compartments 1.0mm top shelf 0.8mm drawers and cover with caster wheels with lock At least minimum of Dim: 480mmL x 510mmW x 785mmH. With **one (1) year replacement warranty** from rust or drawer guide metal furniture; dental instrument organizer with liner.	
15	**DENTAL WASHER MACHINE** 65L capacity, for the washing of the medical instruments. Washing with the 93°C hot water, also with the help of the multi-enzyme detergent. To clean and dry the dental hand piece and instruments Three functional versions: Basic washing; Washing + Disinfect + Print; Washing + Disinfect + Print + Dry 1. Inter volume: 65L 2. 2 layers bracket 3. Cleaning 24 dental handpieces 4. Less than 5 Liters water for whole program 5. Dimension - Main Unit: L 550 * W 500 * H 590 (MM) 6. Net Weight: ≤30kg 7. Working Noise: ≤50dB Power Supply: 220V 50Hz	

	Rated Power: 1380W Rated external water pressure: 0.04-1.00MPa Supporting cold/hot water Internal flow pressure: 0.390.4MPa Collocating intelligent water softener Adding special salt can improve water quality and enhance cleaning effect. Safety device: Automatic fault diagnosis (prompt) and emergency shutdown. Lumen volume: 65L Dimension – Main Unit: 550*500*680 (L*W*H mm) Packing size: 650*610*800 (L*W*H mm) Net Weight: ≤30kg Working Noise: ≤50dB <u>Packing List:</u> 8 Drain Pipe 1 strip 2 cleaning basket Printer Salt hopper Rubber port (24 pieces) Cleaning rack (1 piece) End cap (24 pieces) Accessories basket (1 piece) Measuring cup (2 pieces) Water Inlet (1 strip)	
16	**PORTABLE X-RAY MACHINE** Mobile trolley system: The column is non-telescopic Machine size LWH: 1100 x 470 x 1780 mm The tube moves through the supporting mechanism The tube relative to ground vertical movement, manual The tube around the column rotation movement The tube can be moved along the length direction of the telescopic arm. The tube around the axis of rotation, manual The tube around its horizontal axis rotation movement, manual. The tube moves vertically to the ground The minimum distance between the focus to the ground: 550mm The maximum distance between the focus to the ground: 2300 mm The tube rotates around the column: ±340° The telescopic distance of the tube along the telescopic arm: ≥600mm The tube rotates round its sagittal axis ±180° The tube rotates round its coronal axis 120, Front: 90°, Back: 30° Collimator Rotation related to tube: ±100°manually Wireless remote-control Exposure **X-ray voltage generator** Power 40kW mA range ≥500 mA Output voltage range 40-150kV Exposure time ≤1 ms - 8s **X-ray tube** Focal spot 0.6/1.2mm The range of output voltage 40-150kV Max. output tube current: ≥500 mA	

	Max. anode heat capacity: ≥300kHU Anode cooling type: Cooling naturally **Flat panel detector** Effective image size 14x17 inches Pixel size ≤140μm Pixel matrix ≥2500 x 3000 Cooling type: Cooling naturally Data output wireless web: IEEE 802.11n **Collimator** Light field control mode manual, with reverse and forward control for the motor drive Lighting time 30s **Image Acquisition Workstation** Operating system Windows 7 or better Memory 4 GB or better Hard disc more than 500GB or better Display at least 19 inches touching LED display Display Resolution: ≥1280x1024 **Software Image Acquisition Workstation** Image Acquisition software interface: English X-ray generator control: X-ray parameters setting: kV, ma, mAs, ms, L/S focal spot chosen. Exposure management: APR X-ray Image, Acquisition: Image Preview Image Management: Image Transmission Image Printing Type Setting: Automatically/Manually Match with DICOM 3.0 standard DICOM MPPS: RIS/HIS DICOM Image transmission function DICOM storage function DICOM Users can send the DICOM image to the print service for printing. Image zooming, image flipping, left and right marks of the image, window width and window adjustment, image reduction function, image annotation, and image measurement. **Power Condition** Power voltage single phase: 100~240 VAC Power frequency 50/60Hz Emergency control, the frame movement part has the emergency stop control, and the emergency stop switch can cut off the power supply of the system. **Environment request** Using environment request operating temperature: 15-30 Relative humidity: 20-75 no condensation Pressure: 70-106kPa Transportation environment request Transportation temperature: -15 -40 Relative Humidity: 10-100 no condensation Atmospheric pressure: 106kPa	
17	**BLOOD CHAIR DONOR** Application for the blood stations, center and blood donation housing. Ergonomic design, security and comfort Back and leg position adjustable by linear actuator The appearance which is made of high-strength fiber material and poly-layer paint.	

	Frame is made of premium powder coated steel Mattress using medical polyurethane foam molding Technical Specifications: Seat Size: at least 1900mm*580mm (720mm at the widest) Seat Height: 550mm Back rest lifting: 0° ~ 70° Leg rest lifting: 0° - 60° Armrest swing out: 0° - 120° Armrest size: 480*160mm	
18	**AUTOCLAVE 185 LITERS** Volume: 185L Material: Double jacket, inner chamber is made from SUS304 stainless steel. Design pressure: -0.1~0.25Mpa (Highland area: -0.1/0.28Mpa) Design temperature: 139°C Service life: 8 years (16000 sterilization cycles) Main body insulation: 10mm glass wool Testing interface: Standard Rc1 verification port, other size test interface can be specially made. Number of doors: Single Door / Double Door Door panel: Tensile plate, material thickness ≥6mm Material: SUS304 stainless steel Opening and closing the door mode: Multi-point press-fit, radiation type latch structure. Security interlock: Pressure safety interlock device: only when the door is closed in place, the power can be turned on to produce steam from heating; with pressure in the inner chamber, the door cannot be opened. Door sealing method: Molded with transparent medical silicone rubber. Door cover: Molded with FRP high-efficiency heat insulation material. Control valve: Japan SMC solenoid valve Steam generation method: No need for external steam source, equipped with Built-in steam generator. Water injection and drainage method: Automatic water filling, water can be replenished during program operation Pressure gauge: Range: -0.1 ~ 0.5MPa Accuracy grade: 1.6, imported brands. Safety valve: Full-opening safety valve Vacuum pump: Single-pole water ring vacuum pump, fast evacuation speed, deep evacuation limit. Control Mode: Programmable controller control, high-performance, high-efficiency, C-language programming embedded single-board controller. Embedded industrial dedicated CPU from Z-WORLD USA as the core unit, integrated FLASH memory, static RAM, digital I/O ports, RS232 serial port and a 10M industrial Ethernet (optional). Extremely low power consumption, maximum 5W, very low external electromagnetic interference (EMI). High-level language-C programming, powerful and supporting uC/OS-II real-time multitasking. PCB board with military-grade tri-proof treatment, working temperature in the range of -40 to 85 degrees, can be in the harsh industrial environment of long-term stable work.	

	with multiple communication interfaces supporting MODBUS_TCP, MODBUS_ASCII/RTU and multiple custom protocols. Wide voltage range from 165V to 240V. Optional pressure sensor control Interface display: 6.7 inches LCD touch screen man-machine interface, the touch screen can display information such as temperature, pressure, time, operation status and fault alarm in real time with a display accuracy of 0.1°C; pressure, temperature and time values of the sterilization program can be set on the touch screen by itself as needed. Strong anti-interference capability, suitable for use in an environment with 85% relative humidity. Touch screen display of the current working stage, working status and stage information. Touch-screen operation, easy and fast operation; Process control: Preparation, pulse, steam charge, sterilization, steam exhaust, drying and end, the whole process is automatically controlled with low and high temperature alarm and mis-operation protection, with multi-grade low temperature compensation function. Adopt negative pressure pulsating exhaust method to exclude cold air in the sterilization chamber and load. Sensor failure self-test and protection function: The device automatically detects sensor faults and displays alarm messages on the touch screen. Alarm display: When a fault occurs, the touch screen displays the name of the alarm and the beeping alarm is 30S, which can be eliminated at any time. Drying mode: There are 3 kinds of drying methods: vacuum drying, pulse drying and circulation drying, which can effectively and fully dry the sterilized items. Exhaust mode: With 2 types of fast and slow steam discharge to avoid liquid overflow during liquid sterilization. Water level detection alarm function: When the water level in the sterilizer does not reach the specified level, the low water level alarm will automatically cut off the heating power. Temperature Indicator: A grade precision temperature sensor collects temperature, display accuracy 0.1°C. Temperature control mode: Single temperature control Self-calibration function: Has a set of perfect background self-calibration system to achieve the calibration of pressure, temperature and other system parameters, without disassembling the instrument, the use of permission tools can be adjusted on site. Recording mode: Built-in RS232 interface, optional built-in micro thermal printer to achieve data traceability records, to achieve F0 value printing. Authority Management: Multi-level password authority management, only by entering the correct password, can different authority, to modify the parameters. <u>Security Protection</u> Over-temperature automatic protection device: over the set temperature, the system automatically cut off the heating power.	

	Anti-dry burning protection device: when the water level is too low, the system automatically cuts off the heating power. Overpressure automatic relief device: exceeding the safety valve opening pressure, the safety valve opens to release pressure. Overcurrent protection device: when the equipment current is overloaded, the overcurrent protection switch operates and the system automatically cuts off the power supply. Leakage protection device: when the equipment has a leakage fault, the system automatically cuts off the power. Program Name: Equipment with fabric, instrument, rubber, liquid, custom and other sterilization procedures and B-D, leakage procedures and other test programs. Application range: Non-liquid program for sterilization of surgical instruments, solid bare instruments, Class A cavity instruments, packaged instruments, rubber, etc. The liquid program is suitable for sterilization of liquids such as water, culture media, etc., with slow vapor discharge. Loading device: U-shaped shelf with loading rack Chamber size (Φ×L): Φ500×950 Dimension (L×W×H): 1350×750×1750 Equipment power supply: Single Phase : AC380V, 50Hz Power: 11.5kVA	
B.	**Compliance to the Schedule of Requirements (Section VI)**	

I hereby certify to comply and deliver all the above requirements.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Section VIII. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or

b. Any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) **in accordance with Section 8.5.2 of the IRR;**

Technical Documents

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (in a **FORM prescribed by the QC-BAC-GOODS AND SERVICES); and**

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents (in a **FORM prescribed by the QC-BAC-GOODS AND SERVICES); and**

☐ (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**

☐ (e) Conformity with Section VI. (Schedule of Requirements) and Section VII. (Technical Specifications), which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**

☐ (f) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

☐ (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) (in a **FORM prescribed by the QC-BAC-GOODS AND SERVICES);**
or
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

☐ (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

Other documentary requirements under RA No. 9184 (as applicable)

☐ (i) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.

☐ (j) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

II. FINANCIAL COMPONENT ENVELOPE

☐ (a) Original of duly signed and accomplished Financial Bid Form;
☐ (b) Original of duly signed and accomplished Price Schedule(s). **and**

III. REQUIRED DOCUMENTS in BDS SECTION 20.2 and 21.2

- **Copy of valid, current License to Operate from DOH Accreditation as Supplier, Distributor or Manufacturer for Medical or Hospital Equipment or Devices.**
- **Statement of Warranty with project number and project title:**
  - For all items - Minimum of one (1) year warranty on parts and service
  - For item no. 10 -Two (2) years parts/service warranty
    Five (5) years service warranty.
    Ten (10) years warranty on availability of parts.

Note:

1. Please refer to [https://drive.google.com/file/d/1uiYurh5WrpBL5B_pqpzAb62yucAblR1p/view?usp=sharing] for the following requirements:
   a. Computation of NFCC;
   b. List of All Ongoing Contracts/List of Contracts already awarded but not yet started;
   c. Statement of Single Largest Completed Contract

2. Please refer to GPPB Resolution No. 16-2020 for the following requirements:
   a. Bid Form;
   b. Price Schedule (for Goods Offered from Abroad/ Within the Philippines)
   c. Bid Securing Declaration; and
   d. Omnibus Sworn Statement


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Government Procurement Policy Board