

PHILIPPINE BIDDING DOCUMENTS

Procurement of GOODS

Government of the Republic of the Philippines

**Project 2021-11: Supply, Delivery and Installation of Technical
and Scientific Equipment for the University**

**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.

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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.



Republic of the Philippines
NUEVA VIZCAYA STATE UNIVERSITY
Bayombong, Nueva Vizcaya

**INVITATION TO BID FOR 2021-11 Supply, Delivery
and Installation of Technical and Scientific
Equipment for the University**

1. The *Nueva Vizcaya State University*, through the *General Fund (GF) FY 2020* intends to apply the sum of *Php11,743,356.00* being the ABC to payments under the contract for *2021-11 Supply, Delivery and Installation of Technical and Scientific Equipment for the University*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *NVSU* now invites bids for the above Procurement Project. Delivery of the Goods/Equipment is required by *one hundred (100) calendar days*. Bidders should have completed, within *two (02) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *NVSU-BAC* and inspect the Bidding Documents at the address given below during *Mondays-Fridays from 8:00AM-5:00PM*.
5. A complete set of Bidding Documents may be acquired by interested Bidders starting on *February 2, 2021* from the given address and website(s) below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Php25,000.00*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *through electronic means*.
6. The *NVSU* will hold a Pre-Bid Conference¹ on *February 10, 2021, 9:00AM* at the *Board Room, New Administration Building, NVSU Bayombong Campus* and through video conferencing or webcasting *via Zoom*, which shall be open to prospective

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

bidders. To reduce the risks and hazards of community transmission of COVID-19, the BAC shall conduct meetings and conferences via **ZOOM (Meeting ID: 934 823 4703, Password: nvsu2021)** until further notice, or until such time that the state of calamity, or implementation of community quarantine or similar government restrictions shall have been lifted by the proper government authorities.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before *February 22, 2021 at 8:59am* or *courier submission on the same address on or before February 19, 2021 at 5:00pm*. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on *February 22, 2021, 9:00am* at the given address and via **ZOOM (Meeting ID: 437 168 8657, Password: nvsu2021)**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The *NVSU* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bid
11. For further information, please refer to:

MS. MARITNESS N. MORTERA	MS. ICY B. PASI
MS. JEANYBEE A. MARIANO	MS. FLORIDA P. URBANO
MS. DIANNE MARGARETH B. TITO	MS. JULIET S. SANCHEZ

UBAC Secretariat UBAC Secretariat

3rd floor UBAC Office, New Administration Building
NVSU Bayombong Campus, Bayombong, Nueva Vizcaya
Tel. No. 078-392-1605/078-321-2112
Email Address: ubac@nvsu.edu.ph

12. You may visit the website:
For downloading of Bidding Documents: www.nvsu.edu.ph *February 2, 2021*.

ARACELI V. DOMAGAS, RCE, PhD
UBAC Chairperson

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, Nueva Vizcaya State University, wishes to receive Bids for the *Project No. 2021-11: Supply, Delivery and Installation of Technical and Scientific Equipment for the University [insert, if applicable:]* under a Framework Agreement}, with identification number *[indicate number]*.

[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 No. 2021-11: Supply, Delivery and Installation of Technical and Scientific Equipment for the University”) is composed of fifty-nine (59) 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 *[indicate funding year]* in the amount of *[indicate amount]*.

2.2. The source of funding is:

[If an early procurement activity, select one and delete others:]

- a. NGA, the National Expenditure Program.
- b. GOCC and GFIs, the proposed Corporate Operating Budget.
- c. LGUs, the proposed Local Expenditure Program.

[If not an early procurement activity, select one and delete others:]

- a. NGA, the General Appropriations Act or Special Appropriations.
- b. GOCC and GFIs, the Corporate Operating Budget.
- c. 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. *[Select one, delete other/s]*

a. 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.

b. Foreign ownership limited to those allowed under the rules may participate in this Project.

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:

[Select one, delete the other/s]

- a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
- b. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty-five percent (25%) of the ABC.
- c. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of public bidding: the Bidder should comply with the following requirements: *[Select either failure or monopoly of bidding based on market research conducted]*
 - i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies*] of the ABC for this Project; and
 - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

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:

[Select one, delete other/s]

- a. Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed twenty percent (20%) of the contracted Goods.
 - b. Subcontracting is not allowed.
- 7.2. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.3. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.
- 7.4. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

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 *{[insert if applicable]}* and/or through videoconferencing/webcasting 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 *[state relevant period as provided in paragraph 2 of the IB]* 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.
- 11.5. *[Include if Framework Agreement will be used:]* Financial proposals for single or multi-year Framework Agreement shall be submitted before the deadline of submission of bids as prescribed in the **IB**. For multi-year Framework Agreement, evaluation of the financial proposal during this stage is for purposes of determining eligibility and whether or not such financial proposal is within the ABC.

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)**.
- 12.2. *[Include if Framework Agreement will be used:]* For Framework Agreement, the following should also apply in addition to Clause 12.1:
- a. For a single year Framework Agreement, the prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation or escalation on any account. Price schedules required under Clause 12.1 shall be submitted with the bidding documents.
 - b. For a multi-year Framework Agreement, the prices quoted by the Bidder during submission of eligibility documents shall be the ceiling and the price quoted during mini-competition must not exceed the initial price offer. The price quoted during call for mini-competition shall be fixed during the Bidder's performance of that Call-off and not subject to variation or escalation on any account. Price schedules required under Clause 12.1 shall be submitted with the bidding documents.

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:

[Select one, delete the other/s]

- a. Philippine Pesos.
- b. *[indicate currency if procurement involves a foreign-denominated bid as allowed by the Procuring Entity, which shall be tradeable or acceptable by the BSP].*

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration² 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 shall be valid until *[indicate date]*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.
- 14.3. *[Include if Framework Agreement will be used:]* In the case of Framework Agreement, other than the grounds for forfeiture under the 2016 revised IRR, the bid security may also be forfeited if the successful bidder fails to sign the Framework Agreement, or fails to furnish the performance security or performance securing declaration. Without prejudice on its forfeiture, bid securities shall be returned only after the posting of performance security or performance securing declaration, as the case may be, by the winning Bidder or compliant Bidders and the signing of the Framework Agreement.

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.

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 and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.
- 16.2. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, the submission of bids shall be for the initial evaluation of their technical and financial eligibility. Thereafter, those declared eligible during the said initial eligibility evaluation and entered into a Framework Agreement with the Procuring Entity shall submit anew their best financial offer at the address and on or before the date and time indicated in the Call for each mini-competition.

17. Opening and Preliminary Examination of Bids

² 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.

- 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.
- 18.2. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, determination of margin of preference shall be conducted every call for Mini-Competition.

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.

[Include the following options if Framework Agreement will be used:]

- a. In the case of single-year Framework Agreement, the Lowest Calculated Bid shall be determined outright after the detailed evaluation;
 - b. For multi-year Framework Agreement, the determination of the eligibility and the compliance of bidders with the technical and financial aspects of the projects shall be initially made by the BAC, in accordance with Item 7.4.2 of the Guidelines on the Use of Framework Agreement.
- 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:

[Select one, delete the other/s]

Option 1 – One Project having several items that shall be awarded as one contract.

Option 2 – One Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.

Option 3 - One Project having several items, which shall be awarded as separate contracts per item.

[Delete Options 2 and 3 if Framework Agreement will be used.]

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. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, all bidders initially determined to be eligible and financially compliant shall be subject to initial post-qualification. The BAC shall then recommend the execution of a Framework Agreement among all eligible, technically and financially compliant bidders and the Procuring Entity and shall be issued by HoPE a Notice to Execute Framework Agreement. The determination of the Lowest Calculated Bid (LCB) shall not be performed by the BAC until a Mini-Competition is conducted among the bidders who executed a Framework Agreement. When a Call for Mini-Competition is made, the BAC shall allow the bidders to submit their best financial proposals on such pre-scheduled date, time and place to determine the bidder with the LCB.

20.2. 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, *{[Include if Framework Agreement will be used:]* or in the case of multi-year Framework Agreement, that it is one of the eligible bidders who have submitted bids that are found to be technically and financially compliant,*}* 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**. *{[Include if Framework Agreement will be used:]* For every mini-competition in Framework Agreement, the LCB shall likewise submit the required documents for final Post Qualification.*}*

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**.

[Include the following clauses if Framework Agreement will be used:]

21.2. At the same time as the Procuring Entity notifies the successful Bidder that its bid has been accepted, the Procuring Entity shall send the Framework Agreement Form to the Bidder, which contract has been provided in the Bidding Documents, incorporating therein all agreements between the parties.

21.3. Within ten (10) calendar days from receipt of the Notice to Execute Framework Agreement with the Procuring Entity, the successful Bidder or its duly authorized representative shall formally enter into a Framework Agreement with the procuring entity for an amount of One Peso to be paid to the procuring entity as a consideration for the option granted by the procuring entity to procure the items in the Framework Agreement List when the need arises.

21.4. The Procuring Entity shall enter into a Framework Agreement with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.

21.5. The following documents shall form part of the Framework Agreement:

- a. Framework Agreement Form;
- b. Bidding Documents;
- c. Call-offs;
- d. Winning bidder's bid, including the Technical and Financial Proposals, and all other documents/statements submitted (*e.g.*, bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
- e. Performance Security or Performance Securing Declaration, as the case may be;
- f. Notice to Execute Framework Agreement; and
- g. Other contract documents that may be required by existing laws and/or specified 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

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <p>a. <i>[provide the definition or description of similar contracts].</i></p> <p>b. completed within 100 calendar days prior to the deadline for the submission and receipt of bids.</p>
7.1	<p><i>[Specify the portions of Goods to be subcontracted, which shall not be a significant or material component of the Project as determined by the Procuring Entity.]</i></p> <p>Not applicable</p>
12	<p>The price of the Goods shall be quoted DDP <i>[state place of destination]</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.</p>
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <p>a. The amount of not less than <i>Two Hundred Thirty-Four Thousand Eight Hundred Sixty-Seven pesos & 12/100 only (Php234,867.12) [Indicate the amount equivalent to two percent (2%) of ABC]</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</p> <p>b. The amount of not less than <i>Five Hundred Eighty-Seven Thousand One Hundred Sixty-Seven pesos & 80/100 only (Php587,167.80) [Indicate the amount equivalent to five percent (5%) of ABC]</i> if bid security is in Surety Bond.</p>
19.3	<p><i>[In case the Project will be awarded by lot, list the grouping of lots by specifying the group title, items, and the quantity for every identified lot, and the corresponding ABC for each lot.]</i></p> <p><i>[In case the project will be awarded by item, list each item indicating its quantity and ABC.]</i></p>
20.2	<p><i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i></p>
21.2	<p><i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i></p>

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**.

[Include the following clauses if Framework Agreement will be used:]

2.3. For a single-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier in its bid.

2.4. For multi-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier during conduct of Mini-Competition.

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. *[Include if Framework Agreement will be used:] In the case of Framework Agreement, the Bidder may opt to furnish the performance security or a Performance Securing Declaration as defined under the Guidelines on the Use of Framework Agreement.]*

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 *{[Include if Framework Agreement will be used:] or Framework Agreement}* 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

5.1 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.

5.2 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	<p><i>[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:]</i></p> <p>Delivery and Documents –</p> <p>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:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered <i>[indicate place of destination]</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>Ms. Divina DC. Pinaroc</i>.</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements: <i>Select appropriate requirements and delete the rest.</i></p> <ol style="list-style-type: none"> 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.

	<p>Packaging –</p> <p>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.</p> <p>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.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>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</p>
	<p>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.</p> <p>Transportation –</p> <p>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.</p> <p>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.</p>

	<p>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.</p> <p>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.</p> <p>Intellectual Property Rights –</p> <p>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.</p>
2.2	<p><i>[If partial payment is allowed, state]</i> “The terms of payment shall be as follows: _____.”</p> <p>Not applicable</p>
4	<p>The inspections and tests that will be conducted are: <i>functional, good condition and ready to use.</i></p>

Section VI. Schedule of Requirements

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

Item No.	Unit	Description	Quantity	Total	Delivered, Weeks/Months
1	Set	<p>Triple Deck Gas Oven with complete accessories 3 Deck 9 Trays Gas Deck Oven Voltage: 220V Power: 200-250 W Weight: 700-750 kg Approx. Tray Size: 400-500 x 500-600 Frequency: 45-60 Hz Gas Consumption: 1-2kg/H Gas Pressure: 2.5-3.0 Kpa Dimensions: 1300-1400 x 900-950 x 1700-1800 mm Controlling Mode: Digital/Manual Time Control Material : Stainless Single Number of Burners in each Deck Temperature Range: 20-450 Degree Celsius Inside Material: Aluminum Plated Machine Body Material: 0.8 mm Stainless Steel 400-450, Other Sides Painted Ventilation Complete Accessories Demonstration upon Delivery Technical support of not less than 1 year 1 year warranty</p>	1		100 calendar days
2	Set	<p>Steam Presser Magic Steam Press with Adjustable Steam 8- 12"x20-26" Plate and Pressing Area Temperature ready indicator Auto safety shut off Lockable handle Weight 10-15 kgs Voltage: 200- 220V Warranty: 6-12 months warranty</p>	2		
3	Set	<p>Vacuum Cleaner Heavy Duty Wet and Dry Silent Type Vacuum Cleaner 1000-1500 Watts Max Power Tank capacity: 15-40 Liters 4-5 Dual Swivel caster wheel Voltage:220-240V/50Hz Airflow: 48-50 ltrs/sec Compact Conical Design</p>	4		

		<p>Motor Housing made of durable Plastic Separate By-pass Motor Cooling Silent Type 50-60 dB Large Dust Bag <i>Accessories:</i> Suction hose Short connector Long connector Plastic/metal tube Dry floor nozzle Wet floor nozzle Crevice tool Dust brush Sofa nozzle Warranty: 6-12 months warranty</p>			
4	unit	<p>Floor Polisher 13-18 inches Floor Polisher Net weight: 20-35 kgs Underside size: 30-45 cm with bumper Cord motor: 10-15 m Royal Cord Handle size: 1m adjustable stainless tube Motor: 1/2- 3/4 HP Voltage: 220V-240V, 50-60 cycles Brush speed: 150-180 Rpm Diameter of base plate: 15-18" Cable length: 12m-15m Consumption: 0.550-0.560 kw/ 550-560 Watts Inclusions: 2 pcs brush Warranty: 6-12 months warranty</p>	3		
5	unit	<p>Upright Freezer Upright Type Freezer Capacity: 6-8 cu.ft. Height: 50-60" Width: 20-25" Depth: 20-25" Dual Function (chiller and freezer) Frost-Free/Automatic Defrosting Power-on Lights Freezer Lock 6-10 Level Temperature Control Soft-Freeze Sections (Ice Cream and other soft items) Roller Feet Voltage: 220V 1 year Warranty With Complete accessories (tray/racks)</p>	2		
6	Set	<p>Salamander Griller Stainless Steel Overhead Grill Gas or Electric Radiant or infrared heat Static or Adjustable grills (rise and fall salamander grills) Plate Detection</p>	3		

		<p>Cook or Grill Dishes Power: 3-4Kw Outside Dimensions: 500-600x600-640x500-590mm Baking Surface: 450-500x350-400mm Weight: 48-50 kg Volts: 220V 1 Year Warranty With Demonstration upon delivery</p>			
7	Set	<p>Food Processor Bowl Size: 2-3 Liters Working Bowl Dry Capacity: 10-12 Kg Blender Capacity: 10-12 Liters Working Bowl Liquid Capacity: 10-12 Liters With Cord Storage, Dishwasher Safe Parts Size: 35-38Hx18-22Wx18-22D Wattage: 500-750W Weight: 4-5kg <i>Accessories:</i> Citrus Press; Dough Tool; Dual Whisk; Extra Fine Grater; Juice Extractor; Mill Reversible Thick Slice/Coarse Grate (3-4mm) disc Reversible Thin Slice/Fine Grate (1-2mm)disc 1 Year Warranty</p>	3		
8	unit	<p>Stainless Doser Grinder Voltage – 220v With guard functions LCD Screen Display Brewing for coffee and espresso Bean Capacity: 350 to 1000 grams Power size and Regulation: 1 to 25 (for espresso drip and pour over coffee French press) Number of cups of ground coffee: 1 to 25 cups Grind Outlet</p>	1		
9	unit	<p>PORTABLE ELECTRIC/ Hydraulic Rebar CUTTER Cutting Range:4-20MM Power Voltage:220V Wattage:850W/900W Package: Steel Case Cutting speed: 3sec Gross weight: 12kg Dimension (cm): 50x11x14</p>	5		
10	set	<p>A3 CONTINUOUS INK TANK PRINTER Power Source: 220-240v Supported OS: Windows XP/Vista/7/8/8.1/10, Mac OSX 10.5 Or Later</p>	2		

		Connectivity: USB 2.0 Paper Sizes: A3,B4,A4,A5,A6,B5,Letter,Legal, Half Letter, Envelops Consumables: (2) Black Ink, (2)Cyan Ink, (2)Magenta Ink, (2)Yellow Ink, (2 Rims)A3 Paper			
11	set	Competition Starter Kit (Compatible to all Kit Contents and Accessories) Contains (1) System Bundle and (4) Smart Motors Includes everything needed to build the EDR Clawbot Scalable programming software suite available with Coding Studio Storage Bin & Tray included for easy organization Kit Contents: (Compatible with the different parts and accessories) Electronics: Robot Brain Controller Robot Radio Robot Battery Li-Ion 1100mAh Robot Battery Cable Robot Battery Charger, (8) Smart Motor, (2) Bumper Switch v2 Cables (3) 300mm Smart Cables (1) 600mm Smart Cable (1) 900mm Smart Cable Charging Cable (1) USB A to Micro Cable Motion Wheels (2) 4" Omni Wheels (2) 4" Wheels High Strength Gears & Inserts (1) 12T Metal Pinion (1) 12T Metal Pinion Insert (10) High Strength Gear Shaft Inserts (1) 84T High Strength Spur Gear Shafts (2) 2" Shafts (2) 3" Shafts (1) 3.5" Shaft (3) 4" Shafts Other Motion Components (1) Claw Assembly Structure Nuts & Connectors (30) #8-32 Hex Nut	2		

		<p>(15) 1-Post Hex Nut Retainer w/ Flat Bearing (5) 1-Post Hex Nut Retainer (7) 4-Post Hex Nut Retainer Shaft Hardware (5) Flat Bearing (23) Rubber Shaft Collar (6) 0x2 Connector Pin (8) 1/8" Nylon Spacer (4) 3/8" Nylon Spacer (3) 1/2" Nylon Spacer (2) 7/8" Nylon Spacer Screws (30) #8-32 x 3/8" Star Drive Screw (2) #8-32 x 1.000" Star Drive Screw (4) #8-32 x 1/2" Locking Star Drive Screw (4) #8-32 x 1.500" Locking Star Drive Screw Steel Structure (3) 2x2x2x20 Steel U-Channels (2) 1x2x1x15 Steel C-Channels (2) 1x2x1x25 Steel C-Channels (2) 2x2x14x20 Steel Angles Tools & Accessories (2) Battery Clips (2) #32 Rubber Bands (2) T15 Star Drive Key (50) 4" Zip Ties (1) Clawbot Instruction Manual 1 year warranty with free training</p>			
12	set	<p>Competition Super Kit (Compatible to all Kit Contents and Accessories) Contains (1) System Bundle, (6) Smart Motors, and (1) Vision Sensor Includes all required parts to build the Clawbot Scalable programming software Storage Bin & Tray included for easy organization Kit Contents: (Compatible with the different parts and accessories) System Bundle (1) Robot Brain (1) Controller (1) Robot Radio (1) Robot Battery Li-Ion 1100mAh (1) Robot Battery Cable (1) Robot Battery Charger (2) Robot Battery Clips (3) 300mm Smart Cables (1) 600mm Smart Cable (1) 900mm Smart Cable (1) USB A to Micro Cable Motor 6:1 Cartridge</p>	2		

	<p>(1) Motor 6:1 Cartridge (600 RPM)</p> <p>Smart Motor</p> <p>(1) Smart Motor w/ 18:1 Gear Cartridge Motor 36:1 Cartridge</p> <p>(1) Motor 36:1 Cartridge (100 RPM) Motor 18:1 Cartridge</p> <p>(1) Motor 18:1 Cartridge (200 RPM)</p> <p>Vision Sensor</p> <p>Give your driver the chance to see things from the robot's perspective. The Vision Sensor is capable of detecting up to 7 colors at once, including multi-colored objects. Connect a phone or tablet to the Robot Brain through built-in WiFi to stream a live feed of your robot's view to your device. Other features include: Tracks up to seven individual colors at once Analyze objects for advanced tracking and path planning Built-in Wi-Fi radio</p> <p>Electronics</p> <p>(1) Robot Brain (1) Controller (1) Robot Radio (1) Robot Battery Li-Ion 1100mAh (1) Robot Battery Cable (1) Robot Battery Charger (6) Smart Motors (4) Bumper Switch v2 (1) Vision Sensor</p> <p>Smart Cables</p> <p>(2) 200mm Smart Cables (4) 300mm Smart Cables (2) 600mm Smart Cables (1) 900mm Smart Cables</p> <p>Legacy Sensors</p> <p>(1) Ultrasonic Range Finder (2) Potentiometers Charging Cable (1) USB A to Micro Cable</p> <p>High Strength Sprockets & Chain</p> <p>(4) 6T High Strength Sprockets (2) 12T High Strength Sprockets (2) 18T High Strength Sprockets (2) 24T High Strength Sprockets (2) 30T High Strength Sprockets (40) Chain Attachment Links</p> <p>Legacy 3-Wire Cables</p> <p>(2) 6" 3-Wire Cables (2) 12" 3-Wire Cables (1) 24" 3-Wire Cable (1) 36" 3-Wire Cable (2) 6" Y-Cables</p> <p>Motion</p>		
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	<p>Shafts</p> <p>(4) 2" Shafts (6) 3" Shafts (1) 3.5" Shaft (5) 4" Shafts (4) 12" Drive Shafts (280) High Strength Chain Links</p> <p>High Strength Gears</p> <p>(5) 12T Metal Pinion (5) 12T Metal Pinion Inserts (4) 36T High Strength Gears (4) 60T High Strength Gears (5) 84T High Strength Spur Gears (10) High Strength Gear Shaft Inserts (5) 12T High Strength Gear Inserts (16) High Strength Square Gear Insert (16) Free Spinning Gear Insert</p> <p>Wheels</p> <p>(4) 2.75" Wheels (4) 3.25" Traction Wheels (4) 3.25" Omni-Directional Wheels (4) 4" Omni-Directional Wheels (4) 4" Wheels (4) 4" Mecanum Wheels</p> <p>Additional Motion Components</p> <p>(2) 12" Long Linear Slide Tracks (2) 17.5" Long Linear Slide Tracks (2) Rack Gearbox Brackets (4) Inner Acetal Slide Trucks (4) Outer Acetal Slide Trucks (1) Claw Assembly (16) Rack Gear v2 (25) Tank Tread Traction Links (30) Conveyor-belt Base Links (12) Short Conveyor-belt Inserts (10) Medium Conveyor-belt Inserts (10) Tall Conveyor-belt Inserts (1) Winch Bracket (1) Winch Drum (1) Ratchet Gear (1) Winch Pawl (8) VEX Pulleys (1) 4' Rope Section (8) Intake Rollers (2) Hand Crank (1) Lead Screw Nut (4) Lead Screw Segments (2) Lead Screw Mounting Brackets (2) 16T Bevel Gears (2) 32T Bevel Gears (4) Worm Wheels (4) Worm Gears (2) Drop Off Cams (2) Cam Followers</p>			
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	<p>(2) Cam Follower Mounting Brackets (2) Universal Joints (1) 2.6" Diameter Turntable Bearings (1) 4.25" Diameter Turntable Bearings</p> <p>Channels (4) 2x2x2x20 Steel U-Channel (4) 1x2x1x15 Steel C-Channels (4) 1x2x1x25 Steel C-Channels</p> <p>Angles (2) 1x1x25 Steel Angles (2) 2x2x14x20 Steel Angles (2) 2x2x20 Steel Angles (2) 2x2x25 Steel Angles</p> <p>Additional Steel Structure (1) 5x15 Plate (2) 5x25 Plates (8) 1x25 Bars (4) Angle Gussets (4) Plus Gussets (4) Pivot Gussets (2) 15x30 Base Plates</p> <p>Nuts & Connectors (35) 1-Post Hex Nut Retainer w/ Flat Bearing (25) 1-Post Hex Nut Retainers (27) 4-Post Hex Nut Retainers (100) #8-32 Keps Nuts (130) #8-32 Hex Nuts (6) 0x2 Connector Pin</p> <p>Screws (25) #8-32 x 1/4" Locking Star Drive Screws (29) #8-32 x 1/2" Locking Star Drive Screws (4) #8-32 x 1.500" Locking Star Drive Screws (50) #8-32 x 1/4" Star Drive Screws (80) #8-32 x 3/8" Star Drive Screws (25) #8-32 x 1/2" Star Drive Screws (25) #8-32 x 3/4" Star Drive Screws (2) #8-32 x 1.000" Star Drive Screws</p> <p>Standoffs (4) 3" Standoffs (4) 2" Standoffs (8) 1" Standoffs (10) 1/2" Standoffs</p> <p>Bearings (12) Bearing Blocks (8) Lock Bars (25) Flat Bearings</p> <p>Shaft Hardware (28) 1/8" Spacers (20) 1/4" Spacers (14) 3/8" Spacers (13) 1/2" Spacers (2) 7/8" Spacers (83) Rubber Shaft Collars</p> <p>Tools and Accessories</p>			
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		(2) Battery Clips (1) Latex Tubing (10') (22) #32 Rubber Bands (2) Open End Wrench (2) T8 Star Drive Key (4) T15 Star Drive Keys (50) 4" Zip Ties (1) Clawbot Instruction Guide 1 year warranty with free training			
13	set	VFD/PLC Wiring Learning System with PLC Software Programmable Logic Controller, compatible with the existing Electro-Pneumatic Training Package: Basic Level and Advance Level Technical Description: Motor, 3-Phase, 1/3 HP, 9 Lead Motor Disconnect Switch Terminal Blocks (8) Bridge, Terminal Block, 2 Position (10) Bridge, Terminal Block, 5 Position (2) Bridge, Terminal Block, 10 Position (2) Terminal Block, grounding Terminal Block, dual level(5) Terminal Block, cage clamp (5) VFD Allen Bradley	1		
14	unit	Skinfold Caliper: Measuring range: 0-1.81 inches; constant pressure between anvils – 10g/sq.mm; dial graduation: 0.08 in/0.2mm; weight in wallet: 1.1 lbs/0.5kg	1		
15	unit	Stadiometer: height range rod (30-84 inches), weight ranges capacity (20kg-220kg) - The platform cover is easily removed for cleaning. The die-cast beam is dual reading, so it can be easily read from either side, and measures in BOTH pounds and kilograms. Heavy duty understructure Die cast beam, and aluminum on black insert	1		
16	unit	Doser Grinder: voltage-220, with guard functions, LCD screen display, brewing for coffee and espresso, bean capacity-350 to 1000 grams, power size and regulations-1 to 25 (for espresso drip and pour over coffee, french press), number of cups of ground coffee- 1 to 25 cups, grind outlet, color-any, preferably stainless steel	1		
17	unit	Stand Mixer: stainless steel, modern setting-speed control lever, capacity-6 to 8 quart, dimensions- 15-20 inches (H), 15-20 inches (W), 15-20 inches (depth), watt motor-575-700, accessories-with wire whip, flat beater, and spiral dough, with 10-15 different speeds	1		
18	unit	Freezer: dual function (freezer and chiller),	1		

		with 2 sliding door cover, with lock and key, with wheel/ roller feet, with solid top chest, aluminum/ galvanized inner compartment, inverter, 220 V, with wire basket, color-any, 22 to 25 cu. Feet, size- 35 to 40 in. (H), 77 to 80 in. (W), 29-32 in. (Depth)			
19	unit	Clothes Drying Machine: Capacity 6-7 kilos, front load, inverter, smart sensor, height:845mm, with: 600mm, depth:600mm, voltage:220-240, frequency(Hz) (60), total power 1500/150. with countdown,	1		
20	unit	Electronic BAF-scope/Dendrometer. BAF measurement range: 0.2 to 39.0 m ² /hectare. Diameter accuracy: ±6 mm up to 24 m. Diameter measurement range: 5 cm to 254 cm. Inclination accuracy: ±0.1° typical. Inclination measurement range: ±90°. Height measurement resolution: 3 cm. Optics: normal, 1x; magnified, 2.4x. Data communications: serial RS 232 input/output. Operating temperature: -30°C to 60°C. Power: 2 AA or 1 CRV3; 3.0V DC nominal (included). Dimensions: 2.75"W x 2"D x 6.5"L. Water and dust resistant, the unit also features a 1/4" x 20 thread mount for attachment to a monopod or tripod. Carrying case, lens cloth, neck strap, and manual included.	2		
21	unit	Total station. Capable of measuring distance of at least 600m. Fast distance measurement. Dust-proof and waterproof. Lithium battery equipped with two 7.4V and 3400mAh. Positive imaging. 30X magnification. Single prism 5000 m. Angle measurement minimum reading 1". Tube type bubble precision level. Memory point: host RAM with 120,000 points, 2G SD card.	1		
22	Unit	Forester compass. Double graduated, 0-360° (Azimuth) and 0-90-0° (Quadrant) to 1°. Declination adjustment 45° East or West, 5' vernier. Thumb screw needle lock. Cardinal points rotate with graduated circle when declination is set off. 3-3/4" sight folds down for storing. Interchangeable scales on sights enable slope measurements to ±30° or ±60%. Circular spirit level vials mounted permanently on compass face. Offset sights are notched in housing at 90°. Diameter: 4.5". Height: 1-1/4" (closed). Includes ball and socket joint, Cordura® carrying case, slope measurement scales.	2		
23	unit	Triple beam balance. Features three notched and tiered beams with center reading, sliding poises; zero adjust compensator; magnetic	3		

		damping; equipped for specific gravity weighing; provision for suspending sample below platform; die cast aluminum boxed and beam. Includes Metric attachment weight set - two (2) 1,000 g and one 500 g weights.			
24	unit	Densitometer. Angled sighting mirror and offset levelling vials allow you to vertically sample forest canopies for a variety of coverage characteristics (e.g. canopy structure, coverage by tree size and species, and percentage of conifer/hardwood). Use to determine non-tree characteristics of sample areas (e.g. percentage of shrub/herbaceous coverage and the ground's condition/soil type). Results are concise, objective and repeatable between observers.	3		
25	unit	Abney Level with 5x Magnification. Graduated 0 to $\pm 90^\circ$, 0 to $\pm 100\%$ on a stationary arc. Vernier reads to 10'. Scale pointer has friction movement, locks with turn of thumbscrew. 5x Magnification. Eyepiece slides out to focus cross hairs, bubble. Objective lens slides out to focus target. Stadia ratio 1 to 100. 7-1/2"L. Flat base, brass tube with aluminum arc. Carrying case has belt loop.	3		
26	set	Stainless Steel Sieve Set. For soil; consists of 6 MESHs: 5, 10, 35, 60, 120, 230.	3		
27	unit	LED Wood Moisture Meter with case. Includes 9V battery; Tapped or Deep Wall Probe; includes pin protector cap; microcontroller circuit for increased reliability and accuracy; 12 bright LEDs; Moisture content range: 6 - 30%	2		
28	unit	Portable Veterinary Diagnostic Ultrasound: 15 inch high definition LED screen; scanning mode: B, 2B, B/M. 4B, Zoom, Real-time zoom on B-mode; 2 Probe connector, full digital imaging technology, crystal-image clear; 3D image function; 8Gb internal storage; DICOM display and transfer; built-in battery; maximum scanning depth: max. 250mm; cine loop: max. 1024 frames; compatible with laser/inkjet printer; abundant calculation functions and can select different formula; multi-frequency: 5 segment frequencies; image gray scale: 256 level gray scale; Image processing: pre-processing, after processing, dynamic range, frame rate, line average, edge; Black/White inversion; Grayscale adjustment, contrast, brightness, y revision; Gain: 0-100dB; Time gain control (TGC): 8 segment adjustment; Measurement and calculation; B mode: distance, circumference, area, volume,	1		

		angle, ratio, stenosis, 5profile, histogram; M mode: heart rate, time, distance, slope and stenosis; Gynecology measurement: Uterus, cervix, endometrium, L/R ovary; Obstetric: gestation age, fetal weight, AFI; Cardiology: LV, LV function, LVPW, RVAWT; Urology: transition zone volume, bladder volume, RUV, prostate, kidney; Small parts: optic, thyroid, jaw and face; Supported output apparatus: U-disk, Laser/ink printer, video printer, VGA Zoom: 10 ratio, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, Image store: by hardisk or USB disk, can save image and also video (avi); Can get rebuilt 3D image by any probe Dimension: 362mmx340mmx60mm With linear transducer and 1 bottle Ultrasound Gel after sales support; Availability of parts locally			
29	unit	Biological Binocular Microscope, Aluminum die-casting metal frame, protective covering; light source: led 3W, adjustable brightness; Binocular head inclined at 30-45°, 360° rotatable, interpupillary distance 48-75 mm; Objectives: Achromatic objective lens (with anti-fungus treatment): 4x, 10x, 40x, 100x (oil); nosepiece: quadruple nosepiece; stage: mechanical stage; focusing: coaxial coarse and fine adjustment, fine division 0.004mm, coarse stroke 37.7mm per rotation, fine stroke 0.4mm per rotation, moving range 24mm; condenser: Abbe NA 1.20 with iris diaphragm and filter; power consumption: 2 W more or less; aftersales support, availability of parts locally	20		
30	unit	Rotary Microtome, section thickness:0-60µm, horizontal specimen stroke:8mm, vertical specimen stroke: 60nm, max. section size: 50x45mm, dimensions (LxWxH): 300x570x270mm; net weight: 15-35 kg; with aftersales support	1		
31	unit	Biosafety cabinet Class II A2, outer dimensions (800x700x1200mm), work space (750x550x600mm), cleanliness level (Class 100/ISO 5), Airflow pattern (70% circulation, 30% exhaust), illumination (LED lighting), inflow velocity (0.5 m/s, 100fpm), downflow velocity (0.35 m/s, 70 Fpm), power supply (230V 50/60 hz, single phase; w/ AVR (3,000 Watts); with aftersales support	1		
32	unit	Top Loading Balance, 620g capacity; 0.01 g readability; aftersales support with parts available locally	1		
33	unit	Binocular compound microscope with digital imaging system, widefield magnifications: 40x-100x-250x-400x-1000x-2500x, objective	1		

		magnification: DIN 4x, 10x, 40x, 100x objective lens type: plan achromatic, viewing head: 30-45° inclined 360° swivelling binocular, condenser and diaphragm: NA 1.25 abbe with iris diaphragm, illuminator: LED light intensity with dimmer, focus adjustment: coarse and fine knobs on both sides, power supply: AC/DC adapter, input 100-240V, digital camera: 8MP; with aftersales support			
34	unit	Incubator, capacity (160L), Temp. Range (5-65 °C), Temp. fluctuation (+ or - 0.5°C), time range (1-9999 mins), Shelves (2-3 pcs/adjustable), Power supply (AC220 V 50/60Hz), External Size (670x640x1130mm), internal size (505x455x700mm)	1		
35	unit	Hot plate with magnetic stirrer, LCD Display, Ceramic work surface/platform dimensions (6.5x6.5 in.), Operating Temp. range (+4 up to 65°C), temperature range (5-380 °C) speed range (200-1500 rpm), dimensions (7 x 10.5 x 4 in) electrical (230 V, 50-60 H	1		
36	unit	Laboratory Refrigerator: temperature range 2-8°C, glass door, net capacity: 360 Liters; gross capacity: 386 liters, automatic defrost, external digital temperature display, voltage 220--240V, with power failure alarm temp; with free training on the use of equipment, manual and technical support	1		
37	set	Basic Controls Training System Accessories Included: -Troubleshooting (Student Manual) -Troubleshooting (Instructor Guide) -Industrial Controls Mobile Workstation -Push Buttons -Selector Switches -Emergency Button -Pilot Lights -Dual Contactors -Lockout Module -Three-Phase Manual Starter -Contactor -Control Relay -Overload Relay -Time-Delay Relay -Three-Pole Fuse Holder -Control Transformer -Cam Switch -Inertia Wheel -Starting Resistors -Brake Motor -Soft Starter -AC Power Supply -Connection Lead and Accessory Set	1		

		-Fuses -Magnetic Labels -Basic Controls (Student Manual) -Basic Controls (Instructor Guide)			
38	set	Semiconductor Fundamentals (With Student Manual and Instructor Guide)	1		
39	set	Transistor Amplifiers (with Student Manual and Instructor's Guide) (Additional Module for LAB VOLT)	1		
40	set	Robot Competition Kit Electronics (1) Touch Screen Robot Brain (1) Controller (1) Robot Radio (1) Robot Battery Li-Ion 1100mAh (1) Robot Battery Cable (1) Robot Battery Charger (8) Motor (2) 36:1 Motor Cartridge (1) Vision Sensor (4) Bumper Switch v2 Cables (1) 1200mm Cable (2) 900mm Cable (3) 300mm Cables (3) 600mm Cable (2) 1500mm Cable Charging Cable (1) USB A to Micro Cable Wheels (4) 4" Omni-Directional Wheel (4) 4" Wheels Gears (8) 12T Metal Pinion (8) 36T High Strength Gears (8) 60T High Strength Gears (8) 84T High Strength Gears (32) High Strength Square Gear Inserts (32) Free Spinning Gear Inserts Bearings & Shaft Hardware (20) Flat Bearings (20) High Strength Shaft Bearings (20) High Strength Clamping Shaft Collars (96) Shaft Collars (32) #8-32 Setscrews (30) Rubber Shaft Collars (8) Intake Rollers Shafts (2) 2" Shafts (4) 3" Shafts (2) 4" Shafts (16) 12" Shafts (4) 12" High Strength Shafts	1		

	<p>Sprockets & Chain</p> <ul style="list-style-type: none"> (4) 6T High Strength Sprockets (6) 12T High Strength Sprockets (6) 18T High Strength Sprockets (2) 24T High Strength Sprockets (2) 30T High Strength Sprockets (700) High Strength Chain Links (100) Chain Attachment Links (50) Tank Tread Traction Links (60) Conveyor-belt Base Links (24) Short Conveyor-belt Inserts (20) Medium Conveyor-belt Inserts (20) Tall Conveyor-belt Inserts <p>Spacers</p> <ul style="list-style-type: none"> (20) 1/8" Spacers (20) 1/4" Spacers (10) 3/8" Spacers (10) 1/2" Spacers (60) 1/16" High Strength Shaft Spacers (40) 1/8" High Strength Shaft Spacers (20) 1/4" High Strength Shaft Spacers (20) 1/2" High Strength Shaft Spacers (60) 1/8" Nylon Spacers (60) 1/4" Nylon Spacers (60) 3/8" Nylon Spacers (60) 1/2" Nylon Spacers <p>Aluminum C-Channels</p> <ul style="list-style-type: none"> (2) 1x2x1x25 Aluminum C-Channels (24) 1x2x1x35 Aluminum C-Channels (12) 1x3x1x35 Aluminum C-Channels <p>Nuts & Connectors</p> <ul style="list-style-type: none"> (20) 1-Post Hex Nut Retainers w/ Flat Bearing (20) 1-Post Hex Nut Retainers (20) 4-Post Hex Nut Retainers (700) #8-32 Nylock Nuts (100) #8-32 Hex Nuts <p>Plates</p> <ul style="list-style-type: none"> (6) 5x25 Aluminum Plates <p>Angles</p> <ul style="list-style-type: none"> (4) 2x2x25 Aluminum Angles (4) 1x1x35 Aluminum Angles <p>Bearings</p> <ul style="list-style-type: none"> (1) Pillow Block Bearing (40) Flat Bearings (8) Drive Shaft Bar Locks <p>Gussets</p> <ul style="list-style-type: none"> (4) 90-Degree Gussets <p>Standoffs</p> <ul style="list-style-type: none"> (20) 1/2" Standoffs (30) 3/4" Standoffs (18) 1" Standoffs (34) 2" Standoffs (8) 3" Standoffs 			
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		<p>Screws</p> <p>(175) #8-32 x 1/4" Locking Star Drive Screws</p> <p>(125) #8-32 x 1/2" Locking Star Drive Screws</p> <p>(250) #8-32 x 3/8" Star Drive Screws</p> <p>(225) #8-32 x 1/2" Star Drive Screws</p> <p>(100) #8-32 x 7/8" Star Drive Screws</p> <p>(75) #8-32 x 1.000" Star Drive Screws</p> <p>(50) #8-32 x 1.250" Star Drive Screws</p> <p>(50) #8-32 x 1.500" Star Drive Screws</p> <p>(25) #8-32 x 1.750" Star Drive Screws</p> <p>(10) #8-32 x 2.000" Star Drive Screws</p> <p>Tools & Accessories</p> <p>(40) #64 Rubber Bands</p> <p>(600) 4" Zip Ties</p> <p>(50) 11" Zip Ties</p> <p>(1) 12" X 15" Anti Slip Mat (Thick)</p> <p>(4) T8 Star Screwdrivers</p> <p>(6) T15 Star Screwdrivers</p> <p>(6) Open End Wrenches</p>			
41	set	<p>Network Cable Tester Accessories Included:</p> <ul style="list-style-type: none"> - POE - Multimedia Support - VDV Service Detection - Intelligence Toning -Rugged Housing - Display: Monochrome LCD with Backlight -Length Test: 460 meters maximum -Cable Test Features -Masures Length - Verifies Wiremap -Identifies per ID Location -Detects Ethernet Ports -Display Results on the Screw 	1		
42	set	<p>Dual-trace Digital Storage Oscilloscope</p>	1		
43	unit	<p>Laboratory Drying Oven</p> <p>Temperature range = +20 to +300°C, Capacity = 220 to 260 Liters,</p> <p>with digital display, programmable temperature, and timer settings,</p> <p>natural convection, with safety and alarm features,</p> <p>stainless steel interior, Single Phase, 220V, 60Hz</p>	1		
44	unit	<p>Digital Weighing Scale</p> <p>Maximum capacity = 5kg</p> <p>Tolerance = 0.01gram</p> <p>Stainless steel pan minimum dimension = 160 x 170mm</p> <p>dual power source (battery / 220V)</p>	1		
45	unit	<p>Floor Weighing Scale</p> <p>Maximum capacity = 200kg</p>	1		

		Tolerance = 1 gram All Stainless steel, pan minimum dimension = 400 x 500mm with digital display, dual power source (battery / 220V)			
46	unit	Standard Vicat Apparatus ASTM & AASHTO Standard Includes Vicat frame, rod, indicator, scale, plunger, needle, vicat mould and glass thermometer.	3		
47	set	L.A. Abrasion Test Apparatus/Machine Support the following standard(s): AASHTO T 96, ASTM C535, and ASTM C131/131M. Range of Revolutions per Minute: 30-33. Minimum dimensions: Rolled steel drum 711 mm inside diameter and 508 mm internal length. Item should have automatic counter Accessories: Extra Catch-pan for LA Abrasion, Wear Resistant-Steel for LA Abrasion, Replacement LA Abrasion Charge (12 balls)	1		
48	set	Constant/Falling Head Permeameter Apparatus Set Includes a permeameter, Single Tube Manometer with Constant Head Reservoir, and Porous Stones or Perforated Plates. It has acrylic chambers, aluminum end caps and loaded springs. Tripod, auger, wet brush, water container, vacuum test handpump, de-airing tanks and carrying case. Minimum inside diameter = 2.5" Reading accuracy = 1 mm Application: Infiltration and Soil permeability tests	1		
49	set	California Bearing Ratio (CBR) Test Supports ASTM & AASHTO standard. CBR Mechanical loading press, 50 kN minimum capacity, testing speed 1.27 mm/min w/ 50 kN loading ring, adjustable penetration piston and gauge. CBR mould w/ collar and perforated base plate 6" x 7", spacer disc with "T" handle, sliding weight rammer, straight edge, and slotted surcharge weight	1		
50	set	Automatic triaxial tests system Tests include: Total and effective stress tests UU (unconsolidated undrained), CU (consolidated undrained) and CD	1		

		<p>(consolidated drained) Stress path tests; K0 anisotropic volume controlled tests; Permeability tests; Unsaturated soil test; Included software package for performing: CRS – Constant Rate of Strain Hydraulic consolidation Unconfined compression CBR (California Bearing Ratio) Apparatus shall include the following: Load frame range: 50 to 100kN Triaxial cell with accessories: Data acquisition and control unit Pressure/volume controller , minimum capacity = 1700kPa Triaxial test automatic control and processing software installed in computer. Desktop Computer Processor : Intel Core i3, 3.60 GHz 6MB up to 4.20 GHz Memory : 4GB DDR4-2666 MHz Storage : 1TB 7200 RPM HDD Optical Drive : 8X DVD-RW drive Graphics : Intel UHD Graphics 630 Display Size : 20in minimum, 1920x1080 @60Hz Bundle : Keyboard, Mouse, Speaker, AVR Printer: Inkjet printer, colored, ink-tank system</p>			
51	set	<p>Oedometer (Consolidation Apparatus) Supports ASTM & AASHTO standard. Minimum specimen area = 30sq.cm. Minimum number of specimen = 3 Pressure range: 12.5-1600KPa Load grade: 12.5, 25, 50, 100, 200, 300, 400, 800, 1600 N Set of weights for each specimen. With complete accessories to perform tests.</p>	1		
52	set	<p>Direct and residual shear testing machine Supports ASTM & AASHTO standard. With 6" color touch screen display Horizontal force range: 0.01 to 5kN Vertical force range 0.01 to 5 kN, using the 10:1 cantilever device Minimum of three analogue channels. one for load cell and two for displacement transducers Infinitely variable speed from 0.00001 to 15.0000 mm/min Compatible with shear boxes up to 100 mm diameter or square Adjustable speed and travel (forward/reverse) for residual shear test</p>	1		

		Number of cycles adjustable from 1 to 99 Specific and independent recording for consolidation and failure stages			
53	set	Heavy Duty Motorized Sieve Shaker with set of sieves, pan and cover Maximum capacity: 7 sieves (8" diameter) plus pan and cover Minimum number of included sieves: 7 sieves of different openings Measuring range: 63 microns - 8 mm	1		
54	set	Total Station Autofocus Dual Face displays Prism and reflectorless measurements Fast, accurate EDM Bluetooth enabled Dual axis compensation Range: 3000m With battery charger, extra battery, tripod and hard case. Free calibration certificate and LMB registration and free training	1		
55	set	Force Table 39cm diameter x 30cm height set of three weight holders with slotted weights circular workplate on a stable base with dual protractor scale 3 cords strung over pulley with ball bearings	1		
56	set	Linear Air Track Workbench length 2m Complete accessories and manual	1		
57	set	Optic Bench 1.2m Otic track Basic optics light source, basic optics geometric lense set Accesory lense set, concave/convex mirror, adjustable lense holder, ray optics kit, basic optics ray table, basic optics viewing screen, storage box, experimental manual	1		
58	set	Centripetal Apparatus Frame with mounted 12V DC electric motor, connecting cable, ball bearing swivel, connecting hardware for photogate, Mass hardware for "free mass", mass holder for "fixed mass" 5g mass (2), 10g mass (2), 20g mass (2)	1		
59	unit	Automatic level Magnification: 20x minimum Field of View(at 100): 1°30' Minimum Focus: 2.46' (0.75m)	1		

		Compensating Range:±16' Accuracy 1km Double Run level-±2.5mm. Horizontal Circle-Minimum Division: 1° (1g) Comes with hard case, aluminum leveling rod 3m and tripod			
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[Use this form for Framework Agreement:]

Framework Agreement List

Limited to repeatedly required goods and services that are identified to be necessary and desirable, but, by its nature, use or characteristic, the quantity and/ or exact time of need cannot be accurately pre-determined and are not advisable to be carried in stock.

Prepared by the End-User, attached to the APP and submitted to the BAC for the approval of the HOPE.

<i>FRAMEWORK AGREEMENT LIST (AGENCY)</i>			
<i>Item / Service Type and nature of each item/service</i>	<i>Cost per item or service</i>	<i>Maximum Quantity</i>	<i>Total Cost per Item</i>
<i>TOTAL (Approved Budget for the Contract)</i>			
<i>Expected delivery timeframe after receipt of a Call-Off.</i>	<i>Within [no. of days] calendar days upon issuance of Call-off.</i>		
<i>Remarks</i>	<i>Indicate here any other appropriate information as may be necessary.</i>		
<i>SIGNATURE OVER PRINTED NAME</i>	<i>POSITION</i>	<i>DEPARTMENT/DIVISION</i>	

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

Item	Specification	Statement of Compliance
		<p><i>[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.]</i></p>

Item No.	Specification	Statement of Compliance
1	<p>Triple Deck Gas Oven with complete accessories 3 Deck 9 Trays Gas Deck Oven Voltage: 220V Power: 200-250 W Weight: 700-750 kg Approx. Tray Size: 400-500 x 500-600 Frequency: 45-60 Hz Gas Consumption: 1-2kg/H Gas Pressure: 2.5-3.0 Kpa Dimensions: 1300-1400 x 900-950 x 1700-1800 mm Controlling Mode: Digital/Manual Time Control Material : Stainless Single Number of Burners in each Deck Temperature Range: 20-450 Degree Celsius Inside Material: Aluminum Plated Machine Body Material: 0.8 mm Stainless Steel 400-450, Other Sides Painted Ventilation Complete Accessories Demonstration upon Delivery Technical support of not less than 1 year 1 year warranty</p>	
2	<p>Steam Presser Magic Steam Press with Adjustable Steam 8- 12"x20-26" Plate and Pressing Area Temperature ready indicator Auto safety shut off Lockable handle Weight 10-15 kgs Voltage: 200- 220V Warranty: 6-12 months warranty</p>	
3	<p>Vacuum Cleaner Heavy Duty Wet and Dry Silent Type Vacuum Cleaner 1000-1500 Watts Max Power Tank capacity: 15-40 Liters 4-5 Dual Swivel caster wheel Voltage:220-240V/50Hz Airflow: 48-50 ltrs/sec Compact Conical Design Motor Housing made of durable Plastic Separate By-pass Motor Cooling Silent Type 50-60 dB Large Dust Bag Accessories: Suction hose Short connector</p>	

	<p>Long connector Plastic/metal tube Dry floor nozzle Wet floor nozzle Crevice tool Dust brush Sofa nozzle Warranty: 6-12 months warranty</p>	
4	<p>Floor Polisher 13-18 inches Floor Polisher Net weight: 20-35 kgs Underside size: 30-45 cm with bumper Cord motor: 10-15 m Royal Cord Handle size: 1m adjustable stainless tube Motor: 1/2- 3/4 HP Voltage: 220V-240V, 50-60 cycles Brush speed: 150-180 Rpm Diameter of base plate: 15-18" Cable length: 12m-15m Consumption: 0.550-0.560 kw/ 550-560 Watts Inclusions: 2 pcs brush Warranty: 6-12 months warranty</p>	
5	<p>Upright Freezer Upright Type Freezer Capacity: 6-8 cu.ft. Height: 50-60" Width: 20-25" Depth: 20-25" Dual Function (chiller and freezer) Frost-Free/Automatic Defrosting Power-on Lights Freezer Lock 6-10 Level Temperature Control Soft-Freeze Sections (Ice Cream and other soft items) Roller Feet Voltage: 220V 1 year Warranty With Complete accessories (tray/racks)</p>	
6	<p>Salamander Griller Stainless Steel Overhead Grill Gas or Electric Radiant or infrared heat Static or Adjustable grills (rise and fall salamander grills) Plate Detection Cook or Grill Dishes Power: 3-4Kw Outside Dimensions: 500-600x600-640x500-590mm Baking Surface: 450-500x350-400mm Weight: 48-50 kg Volts: 220V</p>	

	1 Year Warranty With Demonstration upon delivery	
7	Food Processor Bowl Size: 2-3 Liters Working Bowl Dry Capacity: 10-12 Kg Blender Capacity: 10-12 Liters Working Bowl Liquid Capacity: 10-12 Liters With Cord Storage, Dishwasher Safe Parts Size: 35-38Hx18-22Wx18-22D Wattage: 500-750W Weight: 4-5kg <i>Accessories:</i> Citrus Press; Dough Tool; Dual Whisk; Extra Fine Grater; Juice Extractor; Mill Reversible Thick Slice/Coarse Grate (3-4mm) disc Reversible Thin Slice/Fine Grate (1-2mm)disc 1 Year Warranty	
8	Stainless Doser Grinder Voltage – 220v With guard functions LCD Screen Display Brewing for coffee and espresso Bean Capacity: 350 to 1000 grams Power size and Regulation: 1 to 25 (for espresso drip and pour over coffee French press) Number of cups of ground coffee: 1 to 25 cups Grind Outlet	
9	PORTABLE ELECTRIC/ Hydraulic Rebar CUTTER Cutting Range:4-20MM Power Voltage:220V Wattage:850W/900W Package: Steel Case Cutting speed: 3sec Gross weight: 12kg Dimension (cm): 50x11x14	
10	A3 CONTINUOUS INK TANK PRINTER Power Source: 220-240v Supported OS: Windows XP/Vista/7/8/8.1/10, Mac OSX 10.5 Or Later Connectivity: USB 2.0 Paper Sizes: A3,B4,A4,A5,A6,B5,Letter,Legal, Half Letter, Envelops Consumables: (2) Black Ink, (2)Cyan Ink, (2)Magenta Ink, (2)Yellow Ink, (2 Rims)A3 Paper	
11	Competition Starter Kit (Compatible to all Kit Contents and Accessories)	

<p>Contains (1) System Bundle and (4) Smart Motors Includes everything needed to build the EDR Clawbot Scalable programming software suite available with Coding Studio Storage Bin & Tray included for easy organization Kit Contents: (Compatible with the different parts and accessories) Electronics: Robot Brain Controller Robot Radio Robot Battery Li-Ion 1100mAh Robot Battery Cable Robot Battery Charger, (8) Smart Motor, (2) Bumper Switch v2 Cables (3) 300mm Smart Cables (1) 600mm Smart Cable (1) 900mm Smart Cable Charging Cable (1) USB A to Micro Cable Motion Wheels (2) 4" Omni Wheels (2) 4" Wheels High Strength Gears & Inserts (1) 12T Metal Pinion (1) 12T Metal Pinion Insert (10) High Strength Gear Shaft Inserts (1) 84T High Strength Spur Gear Shafts (2) 2" Shafts (2) 3" Shafts (1) 3.5" Shaft (3) 4" Shafts Other Motion Components (1) Claw Assembly Structure Nuts & Connectors (30) #8-32 Hex Nut (15) 1-Post Hex Nut Retainer w/ Flat Bearing (5) 1-Post Hex Nut Retainer (7) 4-Post Hex Nut Retainer Shaft Hardware (5) Flat Bearing (23) Rubber Shaft Collar (6) 0x2 Connector Pin (8) 1/8" Nylon Spacer (4) 3/8" Nylon Spacer</p>	
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	<p>(3) 1/2" Nylon Spacer (2) 7/8" Nylon Spacer Screws (30) #8-32 x 3/8" Star Drive Screw (2) #8-32 x 1.000" Star Drive Screw (4) #8-32 x 1/2" Locking Star Drive Screw (4) #8-32 x 1.500" Locking Star Drive Screw Steel Structure (3) 2x2x2x20 Steel U-Channels (2) 1x2x1x15 Steel C-Channels (2) 1x2x1x25 Steel C-Channels (2) 2x2x14x20 Steel Angles Tools & Accessories (2) Battery Clips (2) #32 Rubber Bands (2) T15 Star Drive Key (50) 4" Zip Ties (1) Clawbot Instruction Manual 1 year warranty with free training</p>	
12	<p>Competition Super Kit (Compatible to all Kit Contents and Accessories) Contains (1) System Bundle, (6) Smart Motors, and (1) Vision Sensor Includes all required parts to build the Clawbot Scalable programming software Storage Bin & Tray included for easy organization Kit Contents: (Compatible with the different parts and accessories) System Bundle (1) Robot Brain (1) Controller (1) Robot Radio (1) Robot Battery Li-Ion 1100mAh (1) Robot Battery Cable (1) Robot Battery Charger (2) Robot Battery Clips (3) 300mm Smart Cables (1) 600mm Smart Cable (1) 900mm Smart Cable (1) USB A to Micro Cable Motor 6:1 Cartridge (1) Motor 6:1 Cartridge (600 RPM) Smart Motor (1) Smart Motor w/ 18:1 Gear Cartridge Motor 36:1 Cartridge (1) Motor 36:1 Cartridge (100 RPM) Motor 18:1 Cartridge (1) Motor 18:1 Cartridge (200 RPM) Vision Sensor Give your driver the chance to see things from the robot's perspective.</p>	

	<p>The Vision Sensor is capable of detecting up to 7 colors at once, including multi-colored objects. Connect a phone or tablet to the Robot Brain through built-in WiFi to stream a live feed of your robot's view to your device. Other features include:</p> <p>Tracks up to seven individual colors at once Analyze objects for advanced tracking and path planning Built-in Wi-Fi radio</p> <p>Electronics</p> <ul style="list-style-type: none"> (1) Robot Brain (1) Controller (1) Robot Radio (1) Robot Battery Li-Ion 1100mAh (1) Robot Battery Cable (1) Robot Battery Charger (6) Smart Motors (4) Bumper Switch v2 (1) Vision Sensor <p>Smart Cables</p> <ul style="list-style-type: none"> (2) 200mm Smart Cables (4) 300mm Smart Cables (2) 600mm Smart Cables (1) 900mm Smart Cables <p>Legacy Sensors</p> <ul style="list-style-type: none"> (1) Ultrasonic Range Finder (2) Potentiometers <p>Charging Cable</p> <ul style="list-style-type: none"> (1) USB A to Micro Cable <p>High Strength Sprockets & Chain</p> <ul style="list-style-type: none"> (4) 6T High Strength Sprockets (2) 12T High Strength Sprockets (2) 18T High Strength Sprockets (2) 24T High Strength Sprockets (2) 30T High Strength Sprockets (40) Chain Attachment Links <p>Legacy 3-Wire Cables</p> <ul style="list-style-type: none"> (2) 6" 3-Wire Cables (2) 12" 3-Wire Cables (1) 24" 3-Wire Cable (1) 36" 3-Wire Cable (2) 6" Y-Cables <p>Motion</p> <p>Shafts</p> <ul style="list-style-type: none"> (4) 2" Shafts (6) 3" Shafts (1) 3.5" Shaft (5) 4" Shafts (4) 12" Drive Shafts (280) High Strength Chain Links <p>High Strength Gears</p> <ul style="list-style-type: none"> (5) 12T Metal Pinion (5) 12T Metal Pinion Inserts 	
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<p>(4) 36T High Strength Gears (4) 60T High Strength Gears (5) 84T High Strength Spur Gears (10) High Strength Gear Shaft Inserts (5) 12T High Strength Gear Inserts (16) High Strength Square Gear Insert (16) Free Spinning Gear Insert Wheels (4) 2.75" Wheels (4) 3.25" Traction Wheels (4) 3.25" Omni-Directional Wheels (4) 4" Omni-Directional Wheels (4) 4" Wheels (4) 4" Mecanum Wheels Additional Motion Components (2) 12" Long Linear Slide Tracks (2) 17.5" Long Linear Slide Tracks (2) Rack Gearbox Brackets (4) Inner Acetal Slide Trucks (4) Outer Acetal Slide Trucks (1) Claw Assembly (16) Rack Gear v2 (25) Tank Tread Traction Links (30) Conveyor-belt Base Links (12) Short Conveyor-belt Inserts (10) Medium Conveyor-belt Inserts (10) Tall Conveyor-belt Inserts (1) Winch Bracket (1) Winch Drum (1) Ratchet Gear (1) Winch Pawl (8) VEX Pulleys (1) 4' Rope Section (8) Intake Rollers (2) Hand Crank (1) Lead Screw Nut (4) Lead Screw Segments (2) Lead Screw Mounting Brackets (2) 16T Bevel Gears (2) 32T Bevel Gears (4) Worm Wheels (4) Worm Gears (2) Drop Off Cams (2) Cam Followers (2) Cam Follower Mounting Brackets (2) Universal Joints (1) 2.6" Diameter Turntable Bearings (1) 4.25" Diameter Turntable Bearings Channels (4) 2x2x20 Steel U-Channel (4) 1x2x1x15 Steel C-Channels (4) 1x2x1x25 Steel C-Channels Angles (2) 1x1x25 Steel Angles</p>	
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<p>(2) 2x2x14x20 Steel Angles (2) 2x2x20 Steel Angles (2) 2x2x25 Steel Angles Additional Steel Structure (1) 5x15 Plate (2) 5x25 Plates (8) 1x25 Bars (4) Angle Gussets (4) Plus Gussets (4) Pivot Gussets (2) 15x30 Base Plates Nuts & Connectors (35) 1-Post Hex Nut Retainer w/ Flat Bearing (25) 1-Post Hex Nut Retainers (27) 4-Post Hex Nut Retainers (100) #8-32 Keps Nuts (130) #8-32 Hex Nuts (6) 0x2 Connector Pin Screws (25) #8-32 x 1/4" Locking Star Drive Screws (29) #8-32 x 1/2" Locking Star Drive Screws (4) #8-32 x 1.500" Locking Star Drive Screws (50) #8-32 x 1/4" Star Drive Screws (80) #8-32 x 3/8" Star Drive Screws (25) #8-32 x 1/2" Star Drive Screws (25) #8-32 x 3/4" Star Drive Screws (2) #8-32 x 1.000" Star Drive Screws Standoffs (4) 3" Standoffs (4) 2" Standoffs (8) 1" Standoffs (10) 1/2" Standoffs Bearings (12) Bearing Blocks (8) Lock Bars (25) Flat Bearings Shaft Hardware (28) 1/8" Spacers (20) 1/4" Spacers (14) 3/8" Spacers (13) 1/2" Spacers (2) 7/8" Spacers (83) Rubber Shaft Collars Tools and Accessories (2) Battery Clips (1) Latex Tubing (10') (22) #32 Rubber Bands (2) Open End Wrench (2) T8 Star Drive Key (4) T15 Star Drive Keys (50) 4" Zip Ties (1) Clawbot Instruction Guide 1 year warranty with free training</p>	
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13	<p>VFD/PLC Wiring Learning System with PLC Software Programmable Logic Controller, compatible with the existing Electro- Pneumatic Training Package: Basic Level and Advance Level</p> <p>Technical Description: Motor, 3-Phase, 1/3 HP, 9 Lead Motor Disconnect Switch Terminal Blocks (8) Bridge, Terminal Block, 2 Position (10) Bridge, Terminal Block, 5 Position (2) Bridge, Terminal Block, 10 Position (2) Terminal Block, grounding Terminal Block, dual level(5) Terminal Block, cage clamp (5) VFD Allen Bradley</p>	
14	<p>Skinfold Caliper: Measuring range: 0-1.81 inches; constant pressure between anvils – 10g/sq.mm; dial graduation: 0.08 in/0.2mm; weight in wallet: 1.1 lbs/0.5kg</p>	
15	<p>Stadiometer: height range rod (30-84 inches), weight ranges capacity (20kg-220kg) - The platform cover is easily removed for cleaning. The die-cast beam is dual reading, so it can be easily read from either side, and measures in BOTH pounds and kilograms. Heavy duty understructure Die cast beam, and aluminum on black insert</p>	
16	<p>Doser Grinder: voltage-220, with guard functions, LCD screen display, brewing for coffee and espresso, bean capacity-350 to 1000 grams, power size and regulations-1 to 25 (for espresso drip and pour over coffee, french press), number of cups of ground coffee- 1 to 25 cups, grind outlet, color-any, preferably stainless steel</p>	
17	<p>Stand Mixer: stainless steel, modern setting-speed control lever, capacity-6 to 8 quartz, dimensions- 15-20 inches (H), 15-20 inches (W), 15-20 inches (depth), watt motor-575-700, accessories-with wire whip, flat beater, and spiral dough, with 10-15 different speeds</p>	
18	<p>Freezer: dual function (freezer and chiller), with 2 sliding door cover, with lock and key, with wheel/ roller feet, with solid top chest, aluminum/ galvanized inner compartment, inverter, 220 V, with wire basket, color-any, 22 to 25 cu. Feet, size- 35 to 40 in. (H), 77 to 80 in. (W), 29-32 in. (Depth)</p>	
19	<p>Clothes Drying Machine: Capacity 6-7 kilos, front load, inverter, smart sensor, height:845mm, with: 600mm,</p>	

	depth:600mm, voltage:220-240, frequency(Hz) (60), total power 1500/150. with countdown,	
20	Electronic BAF-scope/Dendrometer. BAF measurement range: 0.2 to 39.0 m ² /hectare. Diameter accuracy: ±6 mm up to 24 m. Diameter measurement range: 5 cm to 254 cm. Inclination accuracy: ±0.1° typical. Inclination measurement range: ±90°. Height measurement resolution: 3 cm. Optics: normal, 1x; magnified, 2.4x. Data communications: serial RS 232 input/output. Operating temperature: -30°C to 60°C. Power: 2 AA or 1 CRV3; 3.0V DC nominal (included). Dimensions: 2.75"W x 2"D x 6.5"L. Water and dust resistant, the unit also features a 1/4" x 20 thread mount for attachment to a monopod or tripod. Carrying case, lens cloth, neck strap, and manual included.	
21	Total station. Capable of measuring distance of at least 600m. Fast distance measurement. Dust-proof and waterproof. Lithium battery equipped with two 7.4V and 3400mAh. Positive imaging. 30X magnification. Single prism 5000 m. Angle measurement minimum reading 1". Tube type bubble precision level. Memory point: host RAM with 120,000 points, 2G SD card.	
22	Forester compass. Double graduated, 0-360° (Azimuth) and 0-90-0° (Quadrant) to 1°. Declination adjustment 45° East or West, 5' vernier. Thumb screw needle lock. Cardinal points rotate with graduated circle when declination is set off. 3-3/4" sight folds down for storing. Interchangeable scales on sights enable slope measurements to ±30° or ±60%. Circular spirit level vials mounted permanently on compass face. Offset sights are notched in housing at 90°. Diameter: 4.5". Height: 1-1/4" (closed). Includes ball and socket joint, Cordura® carrying case, slope measurement scales.	
23	Triple beam balance. Features three notched and tiered beams with center reading, sliding poises; zero adjust compensator; magnetic damping; equipped for specific gravity weighing; provision for suspending sample below flatform; die cast aluminum boxed and beam. Includes Metric attachment weight set - two (2) 1,000 g and one 500 g weights.	
24	Densitometer. Angled sighting mirror and offset levelling vials allow you to vertically sample forest canopies for a variety of coverage characteristics (e.g. canopy structure, coverage	

	by tree size and species, and percentage of conifer/hardwood). Use to determine non-tree characteristics of sample areas (e.g. percentage of shrub/herbaceous coverage and the ground's condition/soil type). Results are concise, objective and repeatable between observers.	
25	Abney Level with 5x Magnification. Graduated 0 to $\pm 90^\circ$, 0 to $\pm 100\%$ on a stationary arc. Vernier reads to 10'. Scale pointer has friction movement, locks with turn of thumbscrew. 5x Magnification. Eyepiece slides out to focus cross hairs, bubble. Objective lens slides out to focus target. Stadia ratio 1 to 100. 7-1/2"L. Flat base, brass tube with aluminum arc. Carrying case has belt loop.	
26	Stainless Steel Sieve Set. For soil; consists of 6 MESHs: 5, 10, 35, 60, 120, 230.	
27	LED Wood Moisture Meter with case. Includes 9V battery; Tapped or Deep Wall Probe; includes pin protector cap; microcontroller circuit for increased reliability and accuracy; 12 bright LEDs; Moisture content range: 6 - 30%	
28	Portable Veterinary Diagnostic Ultrasound: 15 inch high definition LED screen; scanning mode: B, 2B, B/M. 4B, Zoom, Real-time zoom on B-mode; 2 Probe connector, full digital imaging technology, crystal-image clear; 3D image function; 8Gb internal storage; DICOM display and transfer; built-in battery; maximum scanning depth: max. 250mm; cine loop: max. 1024 frames; compatible with laser/inkjet printer; abundant calculation functions and can select different formula; multi-frequency: 5 segment frequencies; image gray scale: 256 level gray scale; Image processing: pre-processing, after processing, dynamic range, frame rate, line average, edge; Black/White inversion; Grayscale adjustment, contrast, brightness, y revision; Gain: 0-100dB; Time gain control (TGC): 8 segment adjustment; Measurement and calculation; B mode: distance, circumference, area, volume, angle, ratio, stenosis, 5profile, histogram; M mode: heart rate, time, distance, slope and stenosis; Gynecology measurement: Uterus, cervix, endometrium, L/R ovary; Obstetric: gestation age, fetal weight, AFI; Cardiology: LV, LV function, LVPW, RVAWT; Urology: transition zone volume, bladder volume, RUV, prostate, kidney; Small parts: optic, thyroid, jaw and face; Supported output apparatus: U-disk, Laser/ink printer, video printer, VGA Zoom: 10 ratio, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, Image store: by hardisk	

	<p>or USB disk, can save image and also video (avi); Can get rebuilt 3D image by any probe Dimension: 362mmx340mmx60mm With linear transducer and 1 bottle Ultrasound Gel after sales support; Availability of parts locally</p>	
29	<p>Biological Binocular Microscope, Aluminum die-casting metal frame, protective covering; light source: led 3W, adjustable brightness; Binocular head inclined at 30-45°, 360° rotatable, interpupillary distance 48-75 mm; Objectives: Achromatic objective lens (with anti-fungus treatment): 4x, 10x, 40x, 100x (oil); nosepiece: quadruple nosepiece; stage: mechanical stage; focusing: coaxial coarse and fine adjustment, fine division 0.004mm, coarse stroke 37.7mm per rotation, fine stroke 0.4mm per rotation, moving range 24mm; condenser: Abbe NA 1.20 with iris diaphragm and filter; power consumption: 2 W more or less; aftersales support, availability of parts locally</p>	
30	<p>Rotary Microtome, section thickness:0-60µm, horizontal specimen stroke:8mm, vertical specimen stroke: 60mm, max. section size: 50x45mm, dimensions (LxWxH): 300x570x270mm; net weight: 15-35 kg; with aftersales support</p>	
31	<p>Biosafety cabinet Class II A2, outer dimensions (800x700x1200mm), work space (750x550x600mm), cleanliness level (Class 100/ISO 5), Airflow pattern (70% circulation, 30% exhaust), illumination (LED lighting), inflow velocity (0.5 m/s, 100fpm), downflow velocity (0.35 m/s, 70 Fpm), power supply (230V 50/60 hz, single phase; w/ AVR (3,000 Watts); with aftersales support</p>	
32	<p>Top Loading Balance, 620g capacity; 0.01 g readability; aftersales support with parts available locally</p>	
33	<p>Binocular compound microscope with digital imaging system, widefield magnifications: 40x-100x-250x-400x-1000x-2500x, objective magnification: DIN 4x, 10x, 40x, 100x objective lens type: plan achromatic, viewing head: 30-45° inclined 360° swivelling binocular, condenser and diaphragm: NA 1.25 abbe with iris diaphragm, illuminator: LED light intensity with dimmer, focus adjustment: coarse and fine knobs on both sides, power supply: AC/DC adapter, input 100-240V, digital camera: 8MP; with aftersales support</p>	
34	<p>Incubator, capacity (160L), Temp. Range (5-65 °C), Temp. fluctuation (+ or - 0.5°C), time range (1-9999 mins), Shelves (2-3 pcs/adjustable),</p>	

	Power supply (AC220 V 50/60Hz), External Size (670x640x1130mm), internal size (505x455x700mm)	
35	Hot plate with magnetic stirrer, LCD Display, Ceramic work surface/platform dimensions (6.5x6.5 in.), Operating Temp. range (+4 up to 65°C), temperature range (5-380 °C) speed range (200-1500 rpm), dimensions (7 x 10.5 x 4 in) electrical (230 V, 50-60 H	
36	Laboratory Refrigerator: temperature range 2-8°C, glass door, net capacity: 360 Liters; gross capacity: 386 liters, automatic defrost, external digital temperature display, voltage 220--240V, with power failure alarm temp; with free training on the use of equipment, manual and technical support	
37	<p>Basic Controls Training System</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> -Troubleshooting (Student Manual) -Troubleshooting (Instructor Guide) -Industrial Controls Mobile Workstation -Push Buttons -Selector Switches -Emergency Button -Pilot Lights -Dual Contactors -Lockout Module -Three-Phase Manual Starter -Contactor -Control Relay -Overload Relay -Time-Delay Relay -Three-Pole Fuse Holder -Control Transformer -Cam Switch -Inertia Wheel -Starting Resistors -Brake Motor -Soft Starter -AC Power Supply -Connection Lead and Accessory Set -Fuses -Magnetic Labels -Basic Controls (Student Manual) -Basic Controls (Instructor Guide) 	
38	Semiconductor Fundamentals (With Student Manual and Instructor Guide)	
39	Transistor Amplifiers (with Student Manual and Instructor's Guide) (Additional Module for LAB VOLT)	
40	Robot Competition Kit Electronics (1) Touch Screen Robot Brain (1) Controller	

	<p>(1) Robot Radio (1) Robot Battery Li-Ion 1100mAh (1) Robot Battery Cable (1) Robot Battery Charger (8) Motor (2) 36:1 Motor Cartridge (1) Vision Sensor (4) Bumper Switch v2 Cables (1) 1200mm Cable (2) 900mm Cable (3) 300mm Cables (3) 600mm Cable (2) 1500mm Cable Charging Cable (1) USB A to Micro Cable Wheels (4) 4" Omni-Directional Wheel (4) 4" Wheels Gears (8) 12T Metal Pinion (8) 36T High Strength Gears (8) 60T High Strength Gears (8) 84T High Strength Gears (32) High Strength Square Gear Inserts (32) Free Spinning Gear Inserts Bearings & Shaft Hardware (20) Flat Bearings (20) High Strength Shaft Bearings (20) High Strength Clamping Shaft Collars (96) Shaft Collars (32) #8-32 Setscrews (30) Rubber Shaft Collars (8) Intake Rollers Shafts (2) 2" Shafts (4) 3" Shafts (2) 4" Shafts (16) 12" Shafts (4) 12" High Strength Shafts Sprockets & Chain (4) 6T High Strength Sprockets (6) 12T High Strength Sprockets (6) 18T High Strength Sprockets (2) 24T High Strength Sprockets (2) 30T High Strength Sprockets (700) High Strength Chain Links (100) Chain Attachment Links (50) Tank Tread Traction Links (60) Conveyor-belt Base Links (24) Short Conveyor-belt Inserts (20) Medium Conveyor-belt Inserts (20) Tall Conveyor-belt Inserts</p>	
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<p>Spacers (20) 1/8" Spacers (20) 1/4" Spacers (10) 3/8" Spacers (10) 1/2" Spacers (60) 1/16" High Strength Shaft Spacers (40) 1/8" High Strength Shaft Spacers (20) 1/4" High Strength Shaft Spacers (20) 1/2" High Strength Shaft Spacers (60) 1/8" Nylon Spacers (60) 1/4" Nylon Spacers (60) 3/8" Nylon Spacers (60) 1/2" Nylon Spacers</p> <p>Aluminum C-Channels (2) 1x2x1x25 Aluminum C-Channels (24) 1x2x1x35 Aluminum C-Channels (12) 1x3x1x35 Aluminum C-Channels</p> <p>Nuts & Connectors (20) 1-Post Hex Nut Retainers w/ Flat Bearing (20) 1-Post Hex Nut Retainers (20) 4-Post Hex Nut Retainers (700) #8-32 Nylock Nuts (100) #8-32 Hex Nuts</p> <p>Plates (6) 5x25 Aluminum Plates</p> <p>Angles (4) 2x2x25 Aluminum Angles (4) 1x1x35 Aluminum Angles</p> <p>Bearings (1) Pillow Block Bearing (40) Flat Bearings (8) Drive Shaft Bar Locks</p> <p>Gussets (4) 90-Degree Gussets</p> <p>Standoffs (20) 1/2" Standoffs (30) 3/4" Standoffs (18) 1" Standoffs (34) 2" Standoffs (8) 3" Standoffs</p> <p>Screws (175) #8-32 x 1/4" Locking Star Drive Screws (125) #8-32 x 1/2" Locking Star Drive Screws (250) #8-32 x 3/8" Star Drive Screws (225) #8-32 x 1/2" Star Drive Screws (100) #8-32 x 7/8" Star Drive Screws (75) #8-32 x 1.000" Star Drive Screws (50) #8-32 x 1.250" Star Drive Screws (50) #8-32 x 1.500" Star Drive Screws (25) #8-32 x 1.750" Star Drive Screws (10) #8-32 x 2.000" Star Drive Screws</p> <p>Tools & Accessories</p>	
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	<p>(40) #64 Rubber Bands (600) 4" Zip Ties (50) 11" Zip Ties (1) 12" X 15" Anti Slip Mat (Thick) (4) T8 Star Screwdrivers (6) T15 Star Screwdrivers (6) Open End Wrenches</p>	
41	<p>Network Cable Tester Accessories Included: - POE - Multimedia Support - VDV Service Detection - Intelligence Toning -Rugged Housing - Display: Monochrome LCD with Backlight -Length Test: 460 meters maximum -Cable Test Features -Masures Length - Verifies Wiremap -Identifies per ID Location -Detects Ethernet Ports -Display Results on the Screw</p>	
42	<p>Dual-trace Digital Storage Oscilloscope</p>	
43	<p>Laboratory Drying Oven Temperature range = +20 to +300°C, Capacity = 220 to 260 Liters, with digital display, programmable temperature, and timer settings, natural convection, with safety and alarm features, stainless steel interior, Single Phase, 220V, 60Hz</p>	
44	<p>Digital Weighing Scale Maximum capacity = 5kg Tolerance = 0.01gram Stainless steel pan minimum dimension = 160 x 170mm dual power source (battery / 220V)</p>	
45	<p>Floor Weighing Scale Maximum capacity = 200kg Tolerance = 1 gram All Stainless steel, pan minimum dimension = 400 x 500mm with digital display, dual power source (battery / 220V)</p>	
46	<p>Standard Vicat Apparatus ASTM & AASHTO Standard Includes Vicat frame, rod, indicator, scale, plunger, needle, vicat mould and glass thermometer.</p>	
47	<p>L.A. Abrasion Test Apparatus/Machine Support the following standard(s): AASHTO T 96, ASTM C535, and ASTM C131/131M. Range of Revolutions</p>	

	<p>per Minute: 30-33. Minimum dimensions: Rolled steel drum 711 mm inside diameter and 508 mm internal length. Item should have automatic counter Accessories: Extra Catch-pan for LA Abrasion, Wear Resistant-Steel for LA Abrasion, Replacement LA Abrasion Charge (12 balls)</p>	
48	<p>Constant/Falling Head Permeameter Apparatus Set Includes a permeameter, Single Tube Manometer with Constant Head Reservoir, and Porous Stones or Perforated Plates. It has acrylic chambers, aluminum end caps and loaded springs. Tripod, auger, wet brush, water container, vacuum test handpump, de-airing tanks and carrying case. Minimum inside diameter = 2.5" Reading accuracy = 1 mm Application: Infiltration and Soil permeability tests</p>	
49	<p>California Bearing Ratio (CBR) Test Supports ASTM & AASHTO standard. CBR Mechanical loading press, 50 kN minimum capacity, testing speed 1.27 mm/min w/ 50 kN loading ring, adjustable penetration piston and gauge. CBR mould w/ collar and perforated base plate 6" x 7", spacer disc with "T" handle, sliding weight rammer, straight edge, and slotted surcharge weight</p>	
50	<p>Automatic triaxial tests system Tests include: Total and effective stress tests UU (unconsolidated undrained), CU (consolidated undrained) and CD (consolidated drained) Stress path tests; K0 anisotropic volume controlled tests; Permeability tests; Unsaturated soil test; Included software package for performing: CRS – Constant Rate of Strain Hydraulic consolidation Unconfined compression CBR (California Bearing Ratio) Apparatus shall include the following: Load frame range: 50 to 100kN Triaxial cell with accessories: Data acquisition and control unit Pressure/volume controller , minimum capacity = 1700kPa</p>	

	<p>Triaxial test automatic control and processing software installed in computer.</p> <p>Desktop Computer</p> <p>Processor : Intel Core i3, 3.60 GHz 6MB up to 4.20 GHz</p> <p>Memory : 4GB DDR4-2666 MHz</p> <p>Storage : 1TB 7200 RPM HDD</p> <p>Optical Drive : 8X DVD-RW drive</p> <p>Graphics : Intel UHD Graphics 630</p> <p>Display Size : 20in minimum, 1920x1080 @60Hz</p> <p>Bundle : Keyboard, Mouse, Speaker, AVR</p> <p>Printer: Inkjet printer, colored, ink-tank system</p>	
51	<p>Oedometer (Consolidation Apparatus)</p> <p>Supports ASTM & AASHTO standard.</p> <p>Minimum specimen area = 30sq.cm.</p> <p>Minimum number of specimen = 3</p> <p>Pressure range: 12.5-1600KPa</p> <p>Load grade: 12.5, 25, 50, 100, 200, 300, 400, 800, 1600 N</p> <p>Set of weights for each specimen.</p> <p>With complete accessories to perform tests.</p>	
52	<p>Direct and residual shear testing machine</p> <p>Supports ASTM & AASHTO standard.</p> <p>With 6" color touch screen display</p> <p>Horizontal force range: 0.01 to 5kN</p> <p>Vertical force range 0.01 to 5 kN, using the 10:1 cantilever device</p> <p>Minimum of three analogue channels. one for load cell and two for displacement transducers</p> <p>Infinitely variable speed from 0.00001 to 15.0000 mm/min</p> <p>Compatible with shear boxes up to 100 mm diameter or square</p> <p>Adjustable speed and travel (forward/reverse) for residual shear test</p> <p>Number of cycles adjustable from 1 to 99</p> <p>Specific and independent recording for consolidation and failure stages</p>	
53	<p>Heavy Duty Motorized Sieve Shaker with set of sieves, pan and cover</p> <p>Maximum capacity: 7 sieves (8" diameter) plus pan and cover</p> <p>Minimum number of included sieves: 7 sieves of different openings</p> <p>Measuring range: 63 microns - 8 mm</p>	
54	<p>Total Station</p> <p>Autofocus</p> <p>Dual Face displays</p>	

	<p>Prism and reflectorless measurements Fast, accurate EDM Bluetooth enabled Dual axis compensation Range: 3000m With battery charger, extra battery, tripod and hard case. Free calibration certificate and LMB registration and free training</p>	
55	<p>Force Table 39cm diameter x 30cm height set of three weight holders with slotted weights circular workplate on a stable base with dual protractor scale 3 cords strung over pulley with ball bearings</p>	
56	<p>Linear Air Track Workbench length 2m Complete accessories and manual</p>	
57	<p>Optic Bench 1.2m Otic track Basic optics light source, basic optics geometric lense set Accesory lense set, concave/convex mirror, adjustable lense holder, ray optics kit, basic optics ray table, basic optics viewing screen, storage box, experimental manual</p>	
58	<p>Centripetal Apparatus Frame with mounted 12V DC electric motor, connecting cable, ball bearing swivel, connecting hardware for photogate, Mass hardware for "free mass", mass holder for "fixed mass" 5g mass (2), 10g mass (2), 20g mass (2)</p>	
59	<p>Automatic level Magnification: 20x minimum Field of View(at 100): 1°30' Minimum Focus: 2.46' (0.75m) Compensating Range:±16' Accuracy 1km Double Run level-±2.5mm. Horizontal Circle-Minimum Division: 1° (1g) Comes with hard case, aluminum leveling rod 3m and tripod</p>	

[Use this form for Framework Agreement:]

Technical Specifications

TECHNICAL SPECIFICATIONS			
<i>Item / Service</i>	<i>Maximum Quantity</i>	<i>Technical Specifications / Scope of Work</i>	<i>Statement of Compliance</i>
			<p><i>[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.]</i></p>

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);
or
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
and
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

- ☐ (e) 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; **and**
- ☐ (f) 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; **and**
- ☐ (g) 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**
- ☐ (h) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- ☐ (i) 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

- ☐ (j) The Supplier’s audited financial statements, showing, among others, the Supplier’s total and current assets and liabilities, stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (k) The prospective bidder’s computation of Net Financial Contracting

Capacity (NFCC);

or

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class “B” Documents

- ☐ (l) 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.

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (m) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (n) Original of duly signed and accomplished Price Schedule(s).

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

- ☐ (o) *[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.
- ☐ (p) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

