



Republic of the Philippines
National Irrigation Administration
Region VII

**FURNISHING & DELIVERY OF GNSS
RTK, ELECTRONIC REFLECTORLESS
TOTAL STATION & AUTOMATIC
LEVEL (complete standard accessories) FOR
ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU**

BCSIMOCO-GOODS-11-2K21

25 January 2022

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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



Republic of the Philippines
National Irrigation Administration
Region VII

INVITATION TO BID

FOR FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES, BANILAD, CEBU CITY, CEBU

1. National Irrigation Administration - Regional Office 7 (NIA-RO7), through General Appropriation Act – FSDE PRE-FS 2021 (GAA-FSDE PRE-FS) for Calendar Year (CY) 2021 intends to apply the sum of **One Million Nine Hundred Fifty Thousand Pesos (PhP 1,950,000.00)** being the Approved Budget for Contract (ABC) to payments under contract for the **FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES, BANILAD, CEBU CITY, CEBU** with Contract No. **BCSIMOCO-GOODS-11-2K21**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The NIA-RO7 now invites bids for the above Procurement Project. Delivery of the Goods is required by **30 calendar days**. Bidders should have completed, within Five (5) 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 (Instruction to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 Revised Implementing Rules and Regulation (IRR) of Republic Act 9184 (RA 9184).
Bidding is restricted to Filipino citizens/sole proprietorships, partnership 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 R.A. No. 5183.
4. Prospective Bidders may obtain further information from the National Irrigation Administration (NIA), **Bohol-Cebu-Siquijor IMO (Cebu Office)** and inspect Bidding Documents at the address given below from 8:00 AM to 5:00 PM.
5. A complete set of Bidding Documents may be acquired by interested Bidders who were able to log-in in the Philippine Government Electronic Procurement System (PhilGEPS) wherein the name of the company will be reflected in the Documents Request List of the Bid Notice Abstract of the Procuring Entity, from **January 25, 2022, 8:00 AM to February 15, 2022, 8:00 AM** during office hour from the given address and website(s) below & upon presentation of the payment from NIA Bohol-Cebu-Siquijor IMO (Cebu Office) Cashier of nonrefundable fee of **Two Thousand Pesos (PhP 2,000.00)** only. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.

Interested Bidders' representatives must also present a letter duly signed by the General Manager/Owner, if a Sole Proprietorship, or authorized Signatory if a Corporation, authorizing him/her to acquire the Bidding Documents.

6. The NIA-RO7, will hold a Pre-Bid Conference on **February 2, 2022, 9:00 AM** at **Central Visayas Training Center (CVTC), NIA-RO7, Dao District, Tagbilaran City, Bohol** and/or through videoconferencing/webcasting via Google Meet, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission of bid at **NIA-RO7, Dao District, Tagbilaran City, Bohol** on or before **February 15, 2022, 9:00 AM**. 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 15, 2022, 9:00 AM** at **Central Visayas Training Center CVTC), NIA-RO7, Dao District, Tagbilaran City, Bohol** and/or through videoconferencing/webcasting via Google Meet. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The NIA-RO7 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 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

NIA, Bohol-Cebu-Siquijor IMO (Cebu Office)
c/o The BAC Secretariat
Gov. M. Cuenco Ave., Banilad, Cebu City
Email Address: niacebuimo.engineeringunit@gmail.com
Telephone No. (032) 416 2757
12. You may visit the website (region7.nia.gov.ph) for downloading of Bidding Documents.

Sgd. ENGR. ORENCIO M. APALE
BAC Chairman

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, National Irrigation Administration, Regional Irrigation Office 7 wishes to receive Bids for the ***Furnishing & Delivery of GNSS RTK, Electronic Reflectorless Total Station (complete standard) & Automatic Level (complete standard accessories) for Engineering Unit Devices, Banilad, Cebu City, Cebu***, with identification number **BCSIMOCO-GOODS-11-2K21**.

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

The Procurement Project (referred to herein as “Project”) is composed of ***per item***, 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 GAA FSDE PRE-FS 2021 in the amount of P1,950,000.00

2.2. The source of funding is:

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

a. NGA, the General Appropriations Act or Special Appropriations.

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

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

5. Eligible Bidders

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

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

- i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
- ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
- iii. When the Goods sought to be procured are not available from local suppliers; or
- iv. When there is a need to prevent situations that defeat competition or restrain trade.

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

- a. For the procurement of Non-expendable Supplies and 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:

- a. 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 on February 2, 2022, 9:00 AM at Central Visayas Training Center (CVTC) NIA Regional Office 7, Dao District, Tagbilaran City 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 Bidders should have completed, within Five (5) years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.
- 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:
- a. Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration¹ 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 120 calendar days. 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

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

- 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

- 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:
 - Option 1 – One Project having several items that shall be awarded as one contract.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

- 20.1. *[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

Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <p>a. <i>Furnishing of Various Construction Materials.</i></p> <p>b. To be completed within Five (5) years 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>
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 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 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

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

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

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

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	<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 to NIA Bohol-Cebu-Siquijor IMO (Cebu Office), Banilad, Cebu City, Cebu. 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>[indicate name(s)]</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> <ul 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
	<ul style="list-style-type: none"> 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. <i>[Specify additional incidental service requirements, as needed.]</i>

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

Select appropriate requirements and delete the rest.

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of *[indicate here the time period specified. If not used indicate a time period of three times the warranty period]*.

Spare parts or components shall be supplied as promptly as possible, but in any case, within *[insert appropriate time period]* months of placing the order.

Packaging –

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

	<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>

	The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	<i>[If partial payment is allowed, state]</i> “The terms of payment shall be as follows: Payment may be made through Progress Billing. The first billing should be 50% of the construction materials must already delivered at the construction site. The second and final billing, all construction materials are completely delivered at the construction site. _____.”
4	The inspections and tests that will be conducted are: Quality Test for RSB, Sand, Gravel and Cement.

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 Number	Description	Quantity	Total	Delivered, Weeks/Months
1	GNSS RTK	1.00	1.00	
	System Configuration			
	Processor - Cortex-A5 Core Processor			
	Operating System - Linux 3.2.0			
	Start-up Time -3 Seconds			
	Data Storage			
	RAM: 128MB;			
	ROM: 16GB internal storage, support OTG.			
	GNSS Specification			
	Signal Tracking			
	BDS : B1, B2, B3 GPS : L1, L2C/L2P, L5			
	GLONASS : L1, L2			
	GALILEO: E1, E5a, E5b			
	QZSS: L1, L2, L5			
	SBAS: L1			
	Number of Channels - 800			
	Positioning Accuracy/ Precision			
	RTK Positioning Precision:			
	Horizontal: $\pm(8\text{mm} + 1 \times 10^{-6} \text{ D})$, Vertical: $\pm(15\text{mm} + 1 \times 10^{-6} \text{ D})$			
	Static Precision:			
	Horizontal: $\pm(2.5\text{mm} + 0.5 \times 10^{-6} \text{ D})$, Vertical: $\pm(5\text{mm} + 0.5 \times 10^{-6} \text{ D})$			
	Time for Initialization			
	Typically, < 10 s			
	Initialization Reliability - > 99.00%			

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	Updating Rate			
	Positioning Data: 20Hz(GNSS Board), Original Data: 20Hz(GNSS Board)			
	Differential Message			
	RTCM3.2、RTCM3.0、CMR、RTCM2.X			
	Network Specification			
	Network standard			
	4G cellular mobile network (TDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM),			
	3G (TD-SCDMA, WCDMA, CDMA 2000) ; 2G (GSM, CDMA)			
	Support Band			
	FDD LTE: Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 20,			
	all bands with diversity WCDMA/HSDPA/HSUPA/HSPA+ Band 1, Band 2, Band 5,			
	Band 8, all bands with diversity			
	GSM/GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz			
	Data Service			
	GPRS、EDGE、WCDMA CS、WCDMA PS、HSPA+、DC-			
	HSPA+、LTE FDD			
	Radio Parameter			
	Protocols			
	TRIMTALK 450S, HI-TARGET19200/9600, SOUTH19200/9600, CHC19200/9600			
	Modulation - 4FSK、GMSK			
	Frequency Range - 403-473MHz			
	Channel Spacing - 25KHz			
	Receiving Sensitivity - 116 dBm			
	Number of Channels - 100(Default)+16(Custom)			
	Transmit Power - 4W/2W/1W(Optional)			
	Sensor			
	Gravity Sensor - support			
	Electronic Compass - support			

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	Data Communications			
	Bluetooth			
	2.4GHz, HSP/HFP/OPP/PBAP, V2.1(Transmission distance			
	≥ 15 meters under unobstructed conditions)			
	WIFI			
	2.4GHz, 802.11 b/g/n, Support WAPI, AP(Signal coverage radius ≥ 30 meters under unobstructed conditions)			
	NFC			
	ISO1443 protocols, NFC Electronic Tags, Support Bluetooth flash pairing			
	Serial Communication			
	1 RS232 serial port: 3 threads, 19200 bps, 8-bit, 1 stop bit			
	User Interface			
	Screen			
	Dimensions: 1.54-inch, Resolution: 128*64			
	Button - 2 buttons			
	Indicator			
	3 status LEDs (green): 1 for satellite, 1 for data, 1 for power			
	External Interface			
	1 battery slot; 1 TNC aerial interface/slot; 1 Lemo five-pin socket(contain 1 triple-			
	line RS232, 1 external power input); 1 Mini USB interface; 1 Nano SIM card slot			
	Electrical			
	Total power consumption: 4.2W (Static mode)			
	Internal battery: 6800mAh/7.4V; Duration: can be greater or equal to 11 hours			
	under static mode, and be greater or equal to 9 hours under active mode.			
	Charging time: single ≤ 3.5h, double ≤ 6.5h			
	Power supply: powered by five-pin socket or internal lithium-ion, DC 6-28VDC/2A			
	Protection			
	Shock and vibration: Designed to survive a 2m natural fall onto concrete Water/dustproof: IP67			
	Environmental			
	Operation temperature: -40 to 65°C Storage temperature: -40 to 80°C			

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	GNSS FEATURES			
	Positioning Technology			
	AGPS Spiral antenna			
	Support GPS, BDS, GLONASS, SBAS			
	Dual constellation system			
	GPS/GLONASS or GPS/Beidou			
	Time to First Fix m- 20 seconds (Typical)			
	Single Point Positioning - 3-5m			
	SBAS 1-3m			
	Network RTK - ≤0.5m (RTD only)			
	Update Rate - 1-5HZ			
	SYSTEM			
	Operating System - Android 6.0			
	CONFIGURATION			
	Processor - 2.0GHz, 8 core high speed processor			
	Storage - RAM 3GB, ROM 32GB, T-Flash Card 128GB			
	Display - 5.5 inches glare resistant, touchable screen			
	Resolution - 1920×1080, under the sun			
	Camera - 13M Pixels camera, auto focus, highlight LED flash			
	DATA COMMUNICATION			
	Network Type			
	Support 4G			
	TD-LTE, FDD-LTE, TD-SCDMA, CDMA (EVDO, 2000), WCDMA, GSM(GPRS)			
	WIFI - IEEE 802.11b/g/n, AP, Wapi			
	Bluetooth - Bluetooth 4.0, BLE			
	USB - TypeC , OTG function			
	BATTERY FEATURES			
	Capacity - 3.7V, 5500mAh			
	Working Time - 10-12 hours			
	APPLICATION			
	Module Scan - QR code, RFID/NFC			
	Build-in Sensor - G-Sensor, electronic compass, barometer			
	PHYSICAL CHARACTERISTICS			
	Size - 165mm*85mm*18mm			
	Weight - 320g (with Battery)			
	Working Temperature -40°C~+85			
	Storage Temperature - 50°C~+85°C			
	Dustproof and Waterproof - IP67, anti 1.5m free drop			

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	COMPLETE WITH STANDARD ACCESSORIES			
	■ 1-unit GNSS RTK Receiver (Base)			
	2 pcs. RTK Battery			
	1 pc. Meter Tape			
	1 pc. Radio with Built-in Antenna			
	1 pc. PW – 4 Cable			
	1 pc. Extending Pole			
	1 pc. Tripod			
	1 set RTK Charger			
	1 pc. TB – 1 Connector			
	1 pc. UHF Built – in Antenna			
	1 pc. DG – 3 Cable			
	1 pc. Metal Tool			
	1 pc. External Antenna			
	1 set Tribrach			
	1 pcs. 2.5m Fiber Pole			
	■ 1-unit GNSS RTK Receiver (Rover)			
	1-unit QMINIA5			
	6 pcs. RTK Battery			
	1 pcs. QMINIA5 built-in battery			
	1 pcs. Radio Built – in Antenna			
	1 set Controller Bracket			
	1 pcs. QMINIA5 Downloading Cable			
	1 set QMINIA5 Charger			
	1 pc. User's Manual			
	1 set RTK Charger			
	1 pcs. TB – 1 Connector			
	1 pcs. UHF Built – in Antenna			
	1 pc. Software Disc			
	1 pc. Metal Tools			
	After-Sales Support			
	Warranty: One (1) year on parts except consumables Technical Support: phone access and site visit			
	Training: Two (2) to Three (3) days free comprehensive training includes:			
	a.) Fundamental concepts and information pertaining to the set-up, use, and implementation of the hardware.			
	b.) Data Processing software and software related information Incoterms: Free delivery			

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
2	ELECTRONIC REFLECTORLESS TOTAL STATION; complete standard	2.00	2.00	
	Technical Specifications:			
	Distance measurement			
	- without prism KGC (18%), normal 300m			
	- without prism KGC (90%), normal 500m			
	- with single prism, 5000m			
	- accuracy with prism: $\pm(2+2 \text{ ppm} \times D)\text{mm}$			
	- accuracy non-prism: $\pm(3+2 \text{ ppm} \times D)\text{mm}$			
	Angle measurement			
	- accuracy: 1", 2", 3", 5"			
	- minimum increment: Degree 1", Gon: 0.1mgon			
	Telescope			
	- magnification 30X			
	Tilt Sensor			
	- type: dual axis			
	- compensation range: $\pm 3'$			
	Communication			
	- communication ports: RS-232C, USB (host)			
	- wireless communication: Integrated Bluetooth			
	Power			
	- Internal Li-ion battery (x2) - output voltage: 3.6V			
	- Charging time - full charge 6hrs			
	Environmental			
	- operating temperature range: -20 °C to +50 °°C			
	- storage temperature range: -25 °C to +60 °°C			
	- dust and water protection: IP66			
	General Specifications:			
	- autofocus: Yes			
	- dual display face			
	- internal plummet: optical or class 2 laser			
	- point memort: 50,000 points			

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	Standard Accessories:			
	2x Rechargeable Batteries each unit			
	1x Battery Charger each unit			
	1x Single Glass Prism with prism adaptors each unit			
	1x Aluminum Range pole, 2m long with circular leveling bubbles each unit			
	1x Downloading Cable each unit			
	1x Downloading Software of the instrument each unit			
	1x Aluminum Tripod each unit			
	After-Sales Support			
	- Comprehensive end-user training on Hardware & Software Application (1 Day Training)			
	- Two (2) Years Warranty Parts & Services			
	within the warranty period - supplier technician shall			
	come to the office to diagnose/repair/calibrate the unit.			
3	AUTOMATIC LEVEL; complete standard accessories	2.00	2.00	
	Technical Specifications:			
	Telescope			
	Length - 215mm			
	MAgnification - 32X			
	Objective Aperture - 42mm			
	Resolving Power - 3"			
	Field of View (at 100m) - 1° 20'			
	Minimum Focus - 0.2m from end of telescope			
	- 0.3m from instrument center			
	Image - Erect			
	Stadia Constant - 0			
	Stadia Ratio - 100			
	Focusing Knob - 2-speed			
	Sighting Aid - Peep Sight			
	Accuracy (1km double run leveling)			
	Without Micrometer - 0.7mm			

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
	Compensator			
	Type - pendulum compensator with magnetic damping			
	damping system			
	Setting Accuracy - 0.3"			
	Working Range - $\pm 15'$			
	Circular Level			
	Sensitivity - 10" / 2mm			
	Horizontal Circle			
	Diameter - 103mm			
	Minimum Division - 1°/1gon			
	General			
	Water Resistance - IPX6 (IEC 60529:2001)			
	Operating Temperature - -20 to +50°C			
	Size - Width 130mm; Length 215mm; Height 140mm			
	Weight - 1.85kg			
	Standard Accessories:			
	1x Stadia Rod with circular leveling bubbles each unit			
	1x Aluminum Tripod each unit			
	After-Sales Support			
	- One (1) Year Warranty Parts & Services			
	within the warranty period - supplier technician shall			
	come to the office to diagnose/repair/calibrate the unit.			
ADDITIONAL REQUIREMENTS FOR ITEMS NO. 1, 2, & 3:				
	Same brand as the receiver or with certificate of compatibility from the Manufacturer of main equipment.			
	With at least 5 year experience in supply equipment.			
	Certificate of Manufacturer's Service Center in the Philippines.			
	With local Service Center by the Manufacturer.			

NAME OF FIRM

Section VII. Technical Specifications

Technical Specifications

Item	Specification	Statement of Compliance ²
1	GNSS RTK	
	System Configuration	
	Processor - Cortex-A5 Core Processor	
	Operating System - Linux 3.2.0	
	Start-up Time -3 Seconds	
	Data Storage	
	RAM: 128MB;	
	ROM: 16GB internal storage, support OTG.	
	GNSS Specification	
	Signal Tracking	
	BDS : B1、 B2、 B3 GPS : L1、 L2C/L2P、 L5	
	GLONASS : L1、 L2	
	GALILEO: E1, E5a, E5b	
	QZSS: L1, L2, L5	
	SBAS: L1	
	Number of Channels - 800	
	Positioning Accuracy/ Precision	
	RTK Positioning Precision:	
	Horizontal: $\pm(8\text{mm} + 1 \times 10^{-6} \text{ D})$, Vertical: $\pm(15\text{mm} + 1 \times 10^{-6} \text{ D})$	
	Static Precision:	
	Horizontal: $\pm(2.5\text{mm} + 0.5 \times 10^{-6} \text{ D})$, Vertical: $\pm(5\text{mm} + 0.5 \times 10^{-6} \text{ D})$	
	Time for Initialization	
	Typically, < 10 s	
	Initialization Reliability - > 99.00%	

¹ 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.

Item	Specification	Statement of Compliance ²
	Updating Rate	
	Positioning Data: 20Hz(GNSS Board), Original Data: 20Hz(GNSS Board)	
	Differential Message	
	RTCM3.2、RTCM3.0、CMR、RTCM2.X	
	Network Specification	
	Network standard	
	4G cellular mobile network (TDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM);	
	3G (TD-SCDMA, WCDMA, CDMA 2000) ; 2G (GSM, CDMA)	
	Support Band	
	FDD LTE: Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 20,	
	all bands with diversity WCDMA/HSDPA/HSUPA/HSPA+: Band 1, Band 2, Band 5,	
	Band 8, all bands with diversity	
	GSM/GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz	
	Data Service	
	GPRS、EDGE、WCDMA CS、WCDMA PS、HSPA+、DC-	
	HSPA+、LTE FDD	
	Radio Parameter	
	Protocols	
	TRIMTALK 450S, HI-TARGET19200/9600, SOUTH19200/9600, CHC19200/9600	
	Modulation - 4FSK、GMSK	
	Frequency Range - 403-473MHz	

² 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.

Item	Specification	Statement of Compliance ³
	Channel Spacing - 25KHz	
	Receiving Sensitivity - 116 dBm	
	Number of Channels - 100(Default)+16(Custom)	
	Transmit Power - 4W/2W/1W(Optional)	
	Sensor	
	Gravity Sensor - support	
	Electronic Compass - support	
	Data Communications	
	Bluetooth	
	2.4GHz, HSP/HFP/OPP/PBAP, V2.1(Transmission distance	
	≥ 15 meters under unobstructed conditions)	
	WIFI	
	2.4GHz, 802.11 b/g/n, Support WAPI,AP(Signal coverage radius ≥ 30 meters under unobstructed conditions)	
	NFC	
	ISO1443 protocols, NFC Electronic Tags, Support Bluetooth flash pairing	
	Serial Communication	
	1 RS232 serial por: 3 threads, 19200 bps, 8-bit, 1stop bit	
	User Interface	
	Screen	
	Dimensions: 1.54-inch, Resolution: 128*64	
	Button - 2 buttons	
	Indicator	
	3 status LEDs (green): 1 for satellite, 1 for data, 1 for power	
	External Interface	

³ 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.

Item	Specification	Statement of Compliance 4
	1 battery slot; 1 TNC aerial interface/slot; 1 Lemo five-pin socket(contain 1 triple-	
	line RS232、1 external power input); 1 Mini USB interface; 1 Nano SIM card slot	
	Electrical	
	Total power consumption: 4.2W (Static mode)	
	Internal battery: 6800mAh/7.4V; Duration: can be greater or equal to 11 hours	
	under static mode, and be greater or equal to 9 hours under active mode.	
	Charging time: single $\leq 3.5h$, double $\leq 6.5h$	
	Power supply: powered by five-pin socket or internal lithium-ion, DC 6- 28VDC/2A.	
	Protection	
	Shock and vibration: Designed to survive a 2m natural fall onto concrete Water/dustproof: IP67	
	Environmental	
	Operation temperature: -40 to 65°C Storage temperature: -40 to 80°	
	GNSS FEATURES	
	Positioning Technology	
	AGPS Spiral antenna:	
	Support GPS, BDS, GLONASS, SBAS	
	Dual constellation system :	
	GPS/GLONASS or GPS/Beidou	
	Time to First Fix m- 20 seconds (Typical)	
	Single Point Positioning - 3-5m	
	SBAS 1-3m	

⁴ 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.

Item	Specification	Statement of Compliance ⁵
	Network RTK - ≤0.5m (RTD only)	
	Update Rate - 1-5HZ	
	SYSTEM	
	Operating System - Android 6.0	
	CONFIGURATION	
	Processor - 2.0GHz, 8 core high speed processor	
	Storage - RAM 3GB, ROM 32GB, T-Flash Card 128GB	
	Display - 5.5 inches glare resistant, touchable screen	
	Resolution - 1920×1080, under the sun	
	Camera - 13M Pixels camera, auto focus, highlight LED flash	
	DATA COMMUNICATION	
	Network Type	
	Support 4G	
	TD-LTE, FDD-LTE, TD-SCDMA, CDMA (EVDO,2000), WCDMA, GSM(GPRS)	
	WIFI - IEEE 802.11b/g/n, AP, Wapi	
	Bluetooth - Bluetooth 4.0, BLE	
	USB - TypeC , OTG function	
	BATTERY FEATURES	
	Capacity - 3.7V, 5500mAh	
	Working Time - 10-12 hours	
	APPLICATION	
	Module Scan - QR code, RFID/NFC	
	Build-in Sensor - G-Sensor, electronic compass, barometer	

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Item	Specification	Statement of Compliance 6
	PHYSICAL CHARACTERISTICS	
	Size - 165mm*85mm*18mm	
	Weight - 320g (with Battery)	
	Working Temperature -40°C~+85	
	Storage Temperature - 50°C~+85°C	
	Dustproof and Waterproof - IP67, anti 1.5m free drop	
	COMPLETE WITH STANDARD ACCESSORIES	
	● 1-unit GNSS RTK Receiver (Base)	
	2 pcs. RTK Battery	
	1 pc. Meter Tape	
	1 pc. Radio with Built-in Antenna	
	1 pc. PW – 4 Cable	
	1 pc. Extending Pole	
	1 pc. Tripod	
	1 set RTK Charger	
	1 pc. TB – 1 Connector	
	1 pc. UHF Built – in Antenna	
	1 pc. DG – 3 Cable	
	1 pc. Metal Tool	
	1 pc. External Antenna	
	1 set Tribrach	
	1 pcs. 2.5m Fiber Pole	
	● 1-unit GNSS RTK Receiver (Rover)	
	1-unit QMINIA5	
	6 pcs. RTK Battery	
	1 pcs. QMINIA5 built-in battery	
	1 pcs. Radio Built – in Antenna	
	1 set Controller Bracket	

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Item	Specification	Statement of Compliance ⁷
	1 pcs. QMINIA5 Downloading Cable	
	1 set QMINIA5 Charger	
	1 pc. User's Manual	
	1 set RTK Charger	
	1 pcs. TB – 1 Connector	
	1 pcs. UHF Built – in Antenna	
	1 pc. Software Disc	
	1 pc. Metal Tools	
	After-Sales Support	
	Warranty: One (1) year on parts except consumables Technical Support: phone access and site visit	
	Training: Two (2) to Three (3) days free comprehensive training includes:	
	a.) Fundamental concepts and information pertaining to the set-up, use, and implementation of the hardware.	
	b.) Data Processing software and software related information Incoterms: Free delivery	
2	ELECTRONIC REFLECTORLESS TOTAL STATION; complete standard	
	Technical Specifications:	
	Distance measurement	
	- without prism KGC (18%), normal 300m	
	- without prism KGC (90%), normal 500m	
	- with single prism, 5000m	
	- accuracy with prism: $\pm(2+2 \text{ ppm} \times D)\text{mm}$	
	- accuracy non-prism: $\pm(3+2 \text{ ppm} \times D)\text{mm}$	
	Angle measurement	
	- accuracy: 1", 2", 3", 5"	

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Item	Specification	Statement of Compliance ⁸
	- minimum increment: Degree 1", Gon: 0.1mgon	
	Telescope	
	- magnification 30X	
	Tilt Sensor	
	- type: dual axis	
	- compensation range: $\pm 3'$	
	Communication	
	- communication ports: RS-232C, USB (host)	
	- wireless communication: Integrated Bluetooth	
	Power	
	- Internal Li-ion battery (x2) - output voltage: 3.6V	
	- Charging time - full charge 6hrs	
	Environmental	
	- operating temperature range: -20 °C to +50 °C	
	- storage temperature range: -25 °C to +60 °C	
	- dust and water protection: IP66	
	General Specifications:	
	- autofocus: Yes	
	- dual display face	
	- internal plummet: optical or class 2 laser	
	- point memory: 50,000 points	

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Item	Specification	Statement of Compliance ⁹
	Standard Accessories:	
	2x Rechargeable Batteries each unit	
	1x Battery Charger each unit	
	1x Single Glass Prism with prism adaptors each unit	
	1x Aluminum Range pole, 2m long with circular leveling bubbles each unit	
	1x Downloading Cable each unit	
	1x Downloading Software of the instrument each unit	
	1x Aluminum Tripod each unit	
	After-Sales Support	
	- Comprehensive end-user training on Hardware &	
	Software Application (1 Day Training)	
	- Two (2) Years Warranty Parts & Services	
	within the warranty period - supplier technician shall	
	come to the office to diagnose/repair/calibrate the unit.	
3	AUTOMATIC LEVEL; complete standard accessories	
	Technical Specifications:	
	Telescope	
	Length - 215mm	
	Magnification - 32X	
	Objective Aperture - 42mm	
	Resolving Power - 3"	

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Item	Specification	Statement of Compliance ¹⁰
	Field of View (at 100m) - 1° 20'	
	Minimum Focus - 0.2m from end of telescope	
	- 0.3m from instrument center	
	Image - Erect	
	Stadia Constant - 0	
	Stadia Ratio - 100	
	Focusing Knob - 2-speed	
	Sighting Aid - Peep Sight	
	Accuracy (1km double run leveling)	
	Without Micrometer - 0.7mm	
	Compensator	
	Type - pendulum compensator with magnetic damping	
	damping system	
	Setting Accuracy - 0.3"	
	Working Range - ±15'	
	Circular Level	
	Sensitivity - 10' / 2mm	
	Horizontal Circle	
	Diameter - 103mm	
	Minimum Division - 1°/1gon	

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Item	Specification	Statement of Compliance ¹¹
	General	
	Water Resistance - IPX6 (IEC 60529:2001)	
	Operating Temperature - -20 to +50°C	
	Size - Width 130mm; Length 215mm; Height 140mm	
	Weight - 1.85kg	
	Standard Accessories:	
	1x Stadia Rod with circular leveling bubbles each unit	
	1x Aluminum Tripod each unit	
	After-Sales Support	
	- One (1) Year Warranty Parts & Services	
	within the warranty period - supplier technician shall	
	come to the office to diagnose/repair/calibrate the unit.	
ADDITIONAL REQUIREMENTS FOR ITEMS NO. 1, 2, & 3:		
1	Same brand as the receiver or with certificate of compatibility from the Manufacturer of main equipment.	
2	With at least 5 year experience in supply equipment.	
3	Certificate of Manufacturer's Service Center in the Philippines.	
4	With local Service Center by the Manufacturer.	

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Section VIII. Checklist of Technical and Financial Documents

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.

Section IX. BIDDING FORMS

National Irrigation Administration
Bohol-Cebu-Siquijor IMO (Cebu Office)

STATEMENT OF THE BIDDERS OF ALL ITS ONGOING GOVERNMENT & PRIVATE CONTRACTS INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

Business Name : _____

Business Address : _____

NAME OF CONTRACT	CONTRACT DATE	CONTRACT PERIOD	CONTRACT AMOUNT	KINDS OF GOODS	DATES OF DELIVERY	Amount or Value of Outstanding Works or Unperformed Portion
<u>Government</u>						
<u>Private</u>						

Submitted by _____
(Printed Name & Signature)

Designation : _____

Date : _____

National Irrigation Administration
Bohol-Cebu-Siquijor IMO (Cebu Office)

STATEMENT OF BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID

Business Name : _____

Business Address : _____

NAME OF COMPLETED CONTRACT	DATE OF CONTRACT	CONTRACT DURATION	CONTRACT AMOUNT	Date of Delivery	End-User's Acceptance or Official Receipt(s) or Sales Invoice Issued for the Contract
<u>Government</u>					
<u>Private</u>					

Submitted by : _____
(Printed Name & Signature)

Designation : _____

Date : _____

Bid Securing Declaration Form

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION **Project Identification No.: BCSIMOCO-GOODS-11-2K21**

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month]* *[year]* at *[place of execution]*.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]
Affiant

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
GNSS RTK	1.00	Set				
System Configuration						
Processor - Cortex-A5 Core Processor						
Operating System - Linux 3.2.0						
Start-up Time -3 Seconds						
Data Storage						
RAM: 128MB						
ROM: 16GB internal storage, support OTG.						
GNSS Specification						
Signal Tracking						
BDS : B1, B2, B3 GPS : L1, L2C/L2P, L5						
GLONASS : L1, L2						
GALILEO: E1, E5a, E5b						
QZSS: L1, L2, L5						
SBAS: L1						
Number of Channels - 800						
Positioning Accuracy/ Precision						
RTK Positioning Precision:						
Horizontal: (8mm + 1x10 ⁻⁶ D) , Vertical: (15mm + 1x10 ⁻⁶ D)						
Static Precision:						
Horizontal: (2.5mm + 0.5 x10 ⁻⁶ D) , Vertical: (5mm + 0.5 x10 ⁻⁶ D)						
Time for Initialization						
Typically, < 10 s						
Initialization Reliability -> 99.00%						
Updating Rate						
Positioning Data: 20Hz(GNSS Board), Original Data: 20Hz(GNSS Board)						
Differential Message						
RTCM3.2, RTCM3.0, CMR, RTCM2.X						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
Network Specification						
Network standard						
4G cellular mobile network (TDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM);						
3G (TD-SCDMA, WCDMA, CDMA 2000) ; 2G (GSM, CDMA)						
Support Band						
FDD LTE, Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 20,						
all bands with diversity WCDMA/HSDPA/HSUPA/HSPA+; Band 1, Band 2, Band 5,						
Band 8, all bands with diversity						
GSM/GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz						
Data Service						
GPRS, EDGE, WCDMA CS, WCDMA PS, HSPA+, DC-						
HSPA+, LTE FDD						
Radio Parameter						
Protocols						
TRIMTALK 450S, HI-TARGET19200/9600, SOUTH19200/9600, CHC19200/9600						
Modulation - 4FSK, GMSK						
Frequency Range - 403-473MHz						
Channel Spacing - 25KHz						
Receiving Sensitivity - 116 dBm						
Number of Channels - 100(Default)+16(Custom)						
Transmit Power - 4W/2W/1W(Optional)						
Sensor						
Gravity Sensor - support						
Electronic Compass - support						
Data Communications						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
Bluetooth						
2.4GHz, HSP/HFP/OPP/PBAP, V2.1(Transmission distance						
≥ 15 meters under unobstructed conditions)						
WIFI						
2.4GHz, 802.11 b/g/n, Support WAPI,AP(Signal coverage radius						
≥ 30 meters under unobstructed conditions)						
NFC						
ISO1443 protocols, NFC Electronic Tags, Support Bluetooth flash						
pairing						
Serial Communication						
1 RS232 serial port: 3 threads, 19200 bps, 8-bit, 1 stop bit						
User Interface						
Screen						
Dimensions: 1.54-inch, Resolution: 128*64						
Button - 2 buttons						
Indicator						
3 status LEDs (green): 1 for satellite, 1 for data, 1 for power						
External Interface						
1 battery slot; 1 TNC aerial interface/slot; 1 Lemo five-pin						
socket(contain 1 triple-						
line RS232, 1 external power input); 1 Mini USB interface; 1 Nano						
SIM card slot						
Electrical						
Total power consumption: 4.2W (Static mode)						
Internal battery: 6800mAh/7.4V; Duration: can be greater or equal to						
11 hours						
under static mode, and be greater or equal to 9 hours under active						
mode.						
Charging time: single ≤ 3.5h, double ≤ 6.5h						
Power supply: powered by five-pin socket or internal lithium-ion, DC						
6-28VDC/2A						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
Protection						
Shock and vibration: Designed to survive a 2m natural fall onto concrete Water/dustproof: IP67						
Environmental						
Operation temperature: -40 to 65°C Storage temperature: -40 to 80°						
GNSS FEATURES						
Positioning Technology						
AGPS Spiral antenna:						
Support GPS, BDS, GLONASS, SBAS						
Dual constellation system :						
GPS/GLONASS or GPS/Baidou						
Time to First Fix m- 20 seconds (Typical)						
Single Point Positioning - 3-5m						
SBAS 1-3m						
Network RTK - ≤0.5m (RTD only)						
Update Rate - 1-5HZ						
SYSTEM						
Operating System - Android 6.0						
CONFIGURATION						
Processor- 2.0GHz, 8 core high speed processor						
Storage - RAM 3GB, ROM 32GB, T-Flash Card 128GB						
Display - 5.5 inches glare resistant, touchable screen						
Resolution - 1920×1080, under the sun						
Camera - 13M Pixels camera, auto focus, highlight LED flash						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
DATA COMMUNICATION						
Network Type						
Support 4G						
TD-LTE, FDD-LTE, TD-SCDMA, CDMA (EVDO, 2000), WCDMA, GSM(GPRS)						
WiFi - IEEE 802.11b/g/n, AP, Wapi						
Bluetooth - Bluetooth 4.0, BLE						
USB - TypeC, OTG function						
BATTERY FEATURES						
Capacity - 3.7V, 5500mAh						
Working Time - 10-12 hours						
APPLICATION						
Module Scan - QR code, RFID/NFC						
Build-in Sensor - G-Sensor, electronic compass, barometer						
PHYSICAL CHARACTERISTICS						
Size - 165mm*85mm*18mm						
Weight - 320g (with Battery)						
Working Temperature -40°C~+85						
Storage Temperature - 50°C~+85°C						
Dustproof and Waterproof - IP67, anti 1.5m free drop						
COMPLETE WITH STANDARD ACCESSORIES						
■ 1-unit GNSS RTK Receiver (Base)						
2 pcs. RTK Battery						
1 pc. Meter Tape						
1 pc. Radio with Built-in Antenna						
1 pc. PW - 4 Cable						
1 pc. Extending Pole						
1 pc. Tripod						
1 set RTK Charger						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
1 pc. TB – 1 Connector						
1 pc. UHF Built – in Antenna						
1 pc. DG – 3 Cable						
1 pc. Metal Tool						
1 pc. External Antenna						
1 set Tribrach						
1 pcs. 2.5m Fiber Pole						
• 1-unit GNSS RTK Receiver (Rover)						
1-unit OMNIA5						
6 pcs. RTK Battery						
1 pcs. OMNIA5 built-in battery						
1 pcs. Radio Built – in Antenna						
1 set Controller Bracket						
1 pcs. OMNIA5 Downloading Cable						
1 set OMNIA5 Charger						
1 pc. User's Manual						
1 set RTK Charger						
1 pcs. TB – 1 Connector						
1 pcs. UHF Built – in Antenna						
1 pc. Software Disc						
1 pc. Metal Tools						
After-Sales Support						
Warranty: One (1) year on parts except consumables Technical Support: phone access and site visit						
Training: Two (2) to Three (3) days free comprehensive training includes:						
a.) Fundamental concepts and information pertaining to the set-up, use, and implementation of the hardware.						
b.) Data Processing software and software related information Incoterms: Free delivery						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
ELECTRONIC REFLECTORLESS TOTAL STATION; complete standard	2.00	Sets				
Technical Specifications:						
Distance measurement						
- without prism KGC (18%), normal 300m						
- without prism KGC (90%), normal 500m						
- with single prism, 5000m						
- accuracy with prism: $\pm(2+2 \text{ ppm} \times D)\text{mm}$						
- accuracy non-prism: $\pm(3+2 \text{ ppm} \times D)\text{mm}$						
Angle measurement						
- accuracy: 1", 2", 3", 5"						
- minimum increment: Degree 1", Gon: 0.1mgon						
Telescope						
- magnification 30X						
Tilt Sensor						
- type: dual axis						
- compensation range: $\pm 3^\circ$						
Communication						
- communication ports: RS-232C, USB (host)						
- wireless communication: Integrated Bluetooth						
Power						
- Internal Li-Ion battery (x2) - output voltage: 3.6V						
- Charging time - full charge 6hrs						
Environmental						
- operating temperature range: -20 °C to +50 °C						
- storage temperature range: -25 °C to +60 °C						
- dust and water protection: IP66						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
General Specifications:						
- autofocus: Yes						
- dual display face						
- internal plummet: optical or class 2 laser						
- point memort: 50,000 points						
Standard Accessories:						
2x Rechargeable Batteries each unit						
1x Battery Charger each unit						
1x Single Glass Prism with prism adaptors each unit						
1x Aluminum Range pole, 2m long with circular leveling bubbles each unit						
1x Downloading Cable each unit						
1x Downloading Software of the instrument each unit						
1x Aluminum Tripod each unit						
After-Sales Support						
- Comprehensive end-user training on Hardware &						
Software Application (1 Day Training)						
- Two (2) Years Warranty Parts & Services						
- within the warranty period - supplier technician shall						
come to the office to diagnose/repair/calibrate the unit						

FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
AUTOMATIC LEVEL; complete standard accessories	2.00	Sets				
Technical Specifications:						
Telescope						
Length - 215mm						
Magnification - 32X						
Objective Aperture - 42mm						
Resolving Power - 3"						
Field of View (at 100m) - 1° 20'						
Minimum Focus - 0.2m from end of telescope						
- 0.3m from instrument center						
Image - Erect						
Stadia Constant - 0						
Stadia Ratio - 100						
Focusing Knob - 2-speed						
Sighting Aid - Peep Sight						
Accuracy (1km double run leveling)						
Without Micrometer - 0.7mm						
Compensator						
Type - pendulum compensator with magnetic damping						
damping system						
Setting Accuracy - 0.3"						
Working Range - ±15°						
Circular Level						
Sensitivity - 10" / 2mm						
Horizontal Circle						
Diameter - 103mm						
Minimum Division - 1°/1gon						

**FURNISHING & DELIVERY OF GNSS RTK, ELECTRONIC REFLECTORLESS TOTAL STATION (complete standard) & AUTOMATIC LEVEL (complete standard accessories) FOR ENGINEERING UNIT DEVICES
BANILAD, CEBU CITY, CEBU
BCSIMOCO-GOODS-11-2K21**

Supply and Delivery Schedule

Description	Quantity	Unit	1st MONTH			
			1st	2nd	3rd	4th
General						
Water Resistance - IPX6 (IEC 60529:2001)						
Operating Temperature - -20 to +50°C						
Size - Width 130mm; Length 215mm; Height 140mm						
Weight - 1.85kg						
Standard Accessories:						
1x Stadia Rod with circular leveling bubbles each unit						
1x Aluminum Tripod each unit						
After-Sales Support						
- One (1) Year Warranty Parts & Services						
within the warranty period - supplier technician shall						
come to the office to diagnose/repair/calibrate the unit.						
ADDITIONAL REQUIREMENTS FOR ITEMS NO. 1, 2, & 3:						
Same brand as the receiver or with certificate of compatibility from the Manufacturer of main equipment.						
With at least 5 year experience in supply equipment.						
Certificate of Manufacturer's Service Center in the Philippines.						
With local Service Center by the Manufacturer.						

NAME OF FIRM

NAME IN PRINT & SIGNATURE OF BIDDER

Omnibus Sworn Statement

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided

therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ____ day of ____, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

BID FORM

Date: _____

Project Identification No.: BCSIMOCO-GOODS-11-2K21

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner:

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Purpose of Commission or gratuity
---------------------------	--

_____	_____
_____	_____
_____	_____

(if none, state "None")]

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: _____

Legal capacity: _____

Signature: _____

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

Date: _____

PRICE SCHEDULE FOR GOODS OFFERED FROM WITHIN THE PHILIPPINES

Name of Bidder : _____

Project ID No. BCSIMOCO-GOODS-11-2K21

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1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	QTY	Unit Price EXW per Item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
1	GNSS RTK		1.00 Set						
	System Configuration								
	Processor - Cortex-A5 Core Processor								
	Operating System - Linux 3.2.0								
	Start-up Time -3 Seconds								
	Data Storage								
	RAM: 128MB;								
	ROM: 16GB internal storage, support OTG.								
	GNSS Specification								
	Signal Tracking								
	BDS : B1, B2, B3								
	GPS : L1, L2C/L2P, L5								
	GLONASS : L1, L2								
	GALILEO: E1, E5a, E5b								
	QZSS: L1, L2, L5								
	SBAS: L1								
	Number of Channels - 800								
	Positioning Accuracy/ Precision								
	RTK Positioning Precision:								
	Horizontal: $\pm(8mm + 1 \times 10^{-6} D)$; Vertical: $\pm(15mm + 4 \times 10^{-6} D)$								
	Static Precision:								
	Horizontal: $\pm(3.5mm + 0.5 \times 10^{-6} D)$; Vertical: $\pm(5mm + 0.5 \times 10^{-6} D)$								
	Time for Initialization								
	Typically, < 10 s								
	Initialization Reliability >= 99.00%								
	Updating Rate								
	Positioning Data: 20Hz(GNSS Board), Original Data: 20Hz(GNSS Board)								
	Differential Message								
	RTCM3.2, RTCM3.0, CMR, RTCM2.X								
	Network Specification								
	Network standard								
	4G cellular mobile network (FDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM);								
	3G (TD-SCDMA, WCDMA, CDMA 2000) ; 2G (GSM, CDMA)								
	Support Band								
	FDD LTE: Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 20;								
	all bands with diversity WCDMA/HSDPA/HSUPA/HSPA= Band 1, Band 2, Band 5;								
	Band 8, all bands with diversity.								
	GSM/GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz								

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	QTY	Unit Price EXW per Item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price-delivered Final Destination (col 9) x (col 4)
	Data Service								
	GPRS, EDGE, WCDMA								
	CS, WCDMA PS, HSPA+, DC-HSPA+, LTE FDD								
	Radio Parameter								
	Protocols								
	TRIMTALK 450S, III-TARGET19200/9600, SOUTH19200/9600, CHC19200/9600								
	Modulation - 4FSK, GMSK								
	Frequency Range - 403-473MHz								
	Channel Spacing - 25KHz								
	Receiving Sensitivity - 116 dBm								
	Number of Channels 100(Default)+16(Custom)								
	Transmit Power 4W/2W/1W(Optional)								
	Sensor								
	Gravity Sensor - support								
	Electronic Compass - support								
	Data Communications								
	Bluetooth								
	2.4GHz, HSP/HFP/OPP/PRAP, V2.1(Transmission distance								
	≥ 15 meters under unobstructed conditions)								
	WIFI								
	2.4GHz, 802.11 b/g/n, Support WAP/PLAP(Signal coverage radius ≥ 30 meters under unobstructed conditions)								
	NFC								
	ISO1443 protocols, NFC Electronic Tags, Support Bluetooth fast pairing								
	Serial Communication								
	1 RS232 serial port; 3 threads, 19200 bps, 8-bit, 1stop bit								
	User Interface								
	Screen								
	Dimensions: 1.54-inch, Resolution: 128*64								
	Button - 2 buttons								
	Indicator								
	3 status LEDs (green): 1 for satellite, 1 for data, 1 for power								
	External Interface								
	1 battery slot; 1 TNC aerial interface/slot; 1 Lemo five-pin socket(contain 1 triple-								
	line RS232, 1 external power input); 1 Mini USB interface; 1 Nano SIM card slot								

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	QTY	Unit Price EXW per Item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	Electrical								
	Total power consumption: 4.2W (Static mode)								
	Internal battery: 6800mAh/7.4V; Duration: can be greater or equal to 11 hours								
	under static mode, and be greater or equal to 9 hours under active mode								
	Charging time: single < 3.5h, double < 6.5h								
	Power supply: powered by five-pin socket or internal lithium-ion, DC 6-28VDC/2A.								
	Protection								
	Shock and vibration: Designed to survive a 2m natural fall onto concrete								
	Water/dustproof: IP67								
	Environmental								
	Operation temperature: -40 to 65°C; Storage temperature: -40 to 80°C								
	GNSS FEATURES								
	Positioning Technology								
	AGPS Spiral antenna:								
	Support: GPS, BDS, GLONASS, SBAS								
	Dual constellation system :								
	GPS/GLONASS or GPS/BeiDou								
	Time to First Fix: < 20 seconds (Typical)								
	Single Point Positioning < 3-5m								
	SBAS 1-3m								
	Network RTE < 0.5m (RTE only)								
	Update Rate < 1-Hz								
	SYSTEM								
	Operating System - Android 6.0								
	CONFIGURATION								
	Processor < 2.0GHz, 8 core high speed processor								

Name of Bidder: _____

Project ID No. BCSIMOCO-GOODS-11-2K21

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1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	QTY	Unit Price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	Storage - RAM 3GB, ROM 32GB, TF-Flash Card 128GB								
	Display - 5.5 inches glare resistant, touchable screen								
	Resolution - 1920x1080, under the sun								
	Camera - 13M Pixels camera, auto focus, highlight LED flash								
	DATA COMMUNICATION								
	Network Type								
	Support 4G								
	TD-LTE, FDD-LTE, TD-SCDMA, CDMA (EVDO, 2000), WCDMA, GSM(GPRS)								
	WiFi - IEEE 802.11b/g/n, AP, Wapi								
	Bluetooth - Bluetooth 4.0, BLE								
	USB - TypeC, OTG function								
	BATTERY FEATURES								
	Capacity - 3.7V, 5500mAh								
	Working Time - 10-12 hours								
	APPLICATION								
	Module Scan - QR code, RFID/NFC								
	Build-in Sensor - G-Sensor, electronic compass, barometer								
	PHYSICAL CHARACTERISTICS								
	Size - 165mm*85mm*18mm								
	Weight - 320g (with Battery)								
	Working Temperature -40°C~+85								
	Storage Temperature -50°C~+85°C								
	Dustproof and Waterproof - IP67, anti 1.5m free drop								

Name of Bidder: _____

Project ID No. BCSIMOCO-GOODS-11-2K21

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1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	QTY	Unit Price EXW per Item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	COMPLETE WITH STANDARD ACCESSORIES								
	• 1-unit GNSS RTK Receiver (Base)								
	2 pcs. RTK Battery								
	1 pc. Meter Tape								
	1 pc. Radio with Built-in Antenna								
	1 pc. PW – 4 Cable								
	1 pc. Extending Pole								
	1 pc. Tripod								
	1 set RTK Charger								
	1 pc. TB – 1 Connector								
	1 pc. UHF Built – in Antenna								
	1 pc. DG – 3 Cable								
	1 pc. Metal Tool								
	1 pc. External Antenna								
	1 set Tribrach								
	1 pcs. 2.5m Fiber Pole								
	• 1-unit GNSS RTK Receiver (Rover)								
	1-unit QMINIA5								
	6 pcs. RTK Battery								
	1 pcs. QMINIA5 built-in battery								
	1 pcs. Radio Built – in Antenna								
	1 set Controller Bracket								
	1 pcs. QMINIA5 Downloading Cable								
	1 set QMINIA5 Charger								
	1 pc. User's Manual								
	1 set RTK Charger								
	1 pcs. TB – 1 Connector								
	1 pcs. UHF Built – in Antenna								
	1 pc. Software Disc								
	1 pc. Metal Tools								

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	QTY	Unit Price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	After-Sales Support								
	Warranty: One (1) year on parts except consumables Technical Support: phone access and site visit.								
	Training: Two (2) to Three (3) days free comprehensive training includes:								
	a.) Fundamental concepts and information pertaining to the set-up, use, and implementation of the hardware.								
	b.) Data Processing software and software related information Incoterms: Free delivery								
12	ELECTRONIC REFLECTORLESS TOTAL STATION; complete standard		2.00 Sets						
	Technical Specifications:								
	Distance measurement								
	- without prism KGC (18%), normal 300m								
	- without prism KGC (90%), normal 500m								
	- with single prism, 5000m								
	- accuracy with prism: $\pm(2 \pm 2 \text{ ppm} \times D)\text{mm}$								
	- accuracy non-prism: $\pm(3 \pm 2 \text{ ppm} \times D)\text{mm}$								
	Angle measurement								
	- accuracy: 1", 2", 3", 5"								
	- minimum increment: Degree 1", Gon: 0.1mgon								
	Telescope								
	- magnification 30X								
	Tilt Sensor								
	- type: dual axis								
	- compensation range: $\pm 3^\circ$								
	Communication								
	- communication ports: RS-232C, USB (host)								
	- wireless communication: Integrated Bluetooth								
	Power								
	- Internal Li-ion battery (x2) - output voltage: 3.6V								
	- Charging time - full charge 6hrs								
	Environmental								
	- operating temperature range: -20 °C to +50 °C								
	- storage temperature range: -25 °C to +60 °C								
	- dust and water protection: IP66								

Name of Bidder : _____

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1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	QTY	Unit Price EXW per Item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) X (col 4)
	General Specifications:								
	- autofocus: Yes								
	- dual display face								
	- internal plummet: optical or class 2 laser								
	- point memory: 50,000 points								
	Standard Accessories:								
	2x Rechargeable Batteries each unit								
	1x Battery Charger each unit								
	1x Single Glass Prism with prism adaptors each unit								
	1x Aluminum Range pole, 2m long with circular leveling bubbles each unit								
	1x Downloading Cable each unit								
	1x Downloading Software of the instrument each unit								
	1x Aluminum Tripod each unit								
	After-Sales Support								
	- Comprehensive end-user training on Hardware &								
	Software Application (1 Day Training)								
	- Two (2) Years Warranty Parts & Services								
	within the warranty period - supplier technician shall								
	come to the office to diagnose/repair/calibrate the unit.								
3	AUTOMATIC LEVEL; complete standard accessories		200 Sets						
	Technical Specifications:								
	Telescope								
	Length - 215mm								
	Magnification - 32X								
	Objective Aperture - 42mm								
	Resolving Power - 3"								
	Field of View (at 100m) - 1° 20'								
	Minimum Focus - 0.2m from end of telescope								
	- 0.3m from instrument center								
	Image - Erect								
	Stadia Constant - 0								
	Stadia Ratio - 100								
	Focusing Knob - 2-speed								
	Sighting Aid - Peep Sight								
	Accuracy (1/2m double run levelling)								
	Without Micrometer - 0.7mm								

Name of Bidder: _____

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Item	Description	Country of Origin	QTY	Unit Price EXW per Item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
	Compensator								
	Type - pendulum compensator with magnetic damping								
	damping system								
	Setting Accuracy - 0.3"								
	Working Range - ±15°								
	Circular Level								
	Sensitivity - 10" / 2mm								
	Horizontal Circle								
	Diameter - 103mm								
	Minimum Division - 1°15'00"								
	General								
	Water Resistance - IPX6 (IEC 60529:2001)								
	Operating Temperature - -20 to +50°C								
	Size - Width 130mm; Length 215mm; Height 140mm								
	Weight - 1.85kg								
	Standard Accessories:								
	1x Stadia Rod with circular leveling bubbles each unit								
	1x Aluminum Tripod each unit								
	After-Sales Support								
	- One (1) Year Warranty Parts & Service:								
	within the warranty period ; supplier technician shall								
	come to the office to diagnose/repair/calibrate the unit.								
ADDITIONAL REQUIREMENTS FOR ITEMS NO. 1, 2, & 3:									
	Same brand as the receiver or with certificate of compatibility from the Manufacturer of main equipment.								
	With at least 5 year experience in supply equipment.								
	Certificate of Manufacturer's Service Center in the Philippines.								
	With local Service Center by the Manufacturer								

Name : _____

Legal Capacity: _____

Signature: _____

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

