

# **PHILIPPINE BIDDING DOCUMENTS**

## **PROCUREMENT OF STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB AT CAUAYAN AIRPORT**

Government of the Republic of the Philippines

**BID NO. 25-64-08 ALPHA**

**Sixth Edition  
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# ***Glossary of Terms, Abbreviations, and Acronyms***

**ABC** – Approved Budget for the Contract.

**ARCC** – Allowable Range of Contract Cost.

**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.

**CDA** – Cooperative Development Authority.

**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])

**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.

**Contractor** – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used

in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

**CPI** – Consumer Price Index.

**DOLE** – Department of Labor and Employment.

**DTI** – Department of Trade and Industry.

**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]).

**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.

**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.

**PCAB** – Philippine Contractors Accreditation Board.

**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.

**UN** – United Nations.

## ***Section I. Invitation to Bid***



## **Invitation to Bid for STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB AT CAUAYAN AIRPORT Bid No. 25-64-08 ALPHA**

1. The Civil Aviation Authority of the Philippines, through the **APP FY 2025** intends to apply the sum **One Hundred Seven Million Four Hundred Sixty Four Thousand Five Hundred Ninety Six pesos and 01/100 Centavos only (Php 107,464,596.01)** being the Approved Budget for the Contract (ABC) to payments under the contract for **STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB AT CAUAYAN AIRPORT (Bid No. 25-64-08 ALPHA)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Civil Aviation Authority of the Philippines now invites bids for the above Procurement Project. Completion of the Works requires **THREE HUNDRED SIXTY (360) Calendar Days (inclusive of 19 rainy/unworkable days)**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from the Civil Aviation Authority of the Philippines, BAC Office and inspect the Bidding Documents at the address given below from 08:00 AM to 05:00 PM from Monday to Friday.
5. A complete set of Bidding Documents may be acquired by interested bidders on **11 August 2025 until deadline of submission of bid** from given address and website/s below *and* upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **PHP 50,000 (exclusive of any/or taxes imposed by relevant government agencies)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees by presenting the official receipt in person.
6. Upon payment of the bid documents, bidders must provide their respective email addresses to the BAC Secretariat. All communications, including but not limited to Notices, Resolutions, and Replies, among others, will be sent to the email address provided by the bidder/s. The date when such email was sent shall be considered the date of receipt of the bidder/s for purposes of complying with the requirements under RA 9184.



7. Bidders must also check the PhilGEPS website, CAAP website, and BAC Secretariat for any bid bulletins and announcements related to the bidding.
8. The Civil Aviation Authority of the Philippines will hold a Pre-Bid Conference<sup>1</sup> on **19 August 2025 @ 9:30 AM** through videoconferencing/webcasting via Jitsi/Zoom/Google Meet, which shall be open to prospective bidders.
9. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before **04 September 2025 @ 9:30 AM**. Late bids shall not be accepted.
10. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 15.
11. Bid opening shall be on **04 September 2025 @ 9:30 AM** at the given address below and/or Jitsi/Zoom/Google Meet. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
12. The Civil Aviation Authority of the Philippines 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 Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
13. For further information, please refer to:  
**ENGR. LEANDRO R. VARQUEZ**  
Head, BAC Secretariat  
3rd Floor Supply, Procurement Building  
Civil Aviation Authority of the Philippines  
MIA Road corner Ninoy Aquino Avenue  
1300 Pasay City, Metro Manila  
Telephone number – (02) 8246-4988 loc. 2236  
Email: [bac@caap.gov.ph](mailto:bac@caap.gov.ph)
14. You may visit the following websites:  
For downloading of Bidding Documents: [www.caap.gov.ph](http://www.caap.gov.ph)

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**ATTY. ROBERTO MARTIN S. BUENAVENTURA**  
Chairperson, BAC-ALPHA

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<sup>1</sup> May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

## ***Section II. Instructions to Bidders***

## **1. Scope of Bid**

The Procuring Entity, Civil Aviation Authority of the Philippines invites Bids for the **STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB AT CAUAYAN AIRPORT**, with Project Identification Number: **Bid No. 25-64-08 ALPHA**.

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

## **2. Funding Information**

2.1. The GOP through the source of funding as indicated below for **APP FY 2025** in the amount of One Hundred Seven Million Four Hundred Sixty-Four Thousand Five Hundred Ninety-Six pesos and 01/100 Centavos only (**Php 107,464,596.01**).

2.2. The source of funding is GOCC and GFIs, the Corporate Operating Budget.

## **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 Manual 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 invitation to bid 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 inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) 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, Coercive, and Obstructive Practices**

The Procuring Entity, as well as the Bidders and Contractors, 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. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA’s CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be “similar” to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

## **6. Origin of Associated 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.

## **7. Subcontracts**

- 7.1. The Procuring Entity has prescribed that subcontracting is not allowed.

## **8. Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 8 of the **IB**.

## **9. Clarification and Amendment of Bidding Documents**

Prospective bidders may request 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 IX. Checklist of Technical and Financial Documents**.
- 10.2. 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. 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.
- 10.3. A valid special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

## **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 IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

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

## **12. Alternative Bids**

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

## **13. Bid Prices**

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

## **14. Bid and Payment Currencies**

- 14.1. 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.

- 14.2. Payment of the contract price shall be made in Philippine Pesos.

## **15. Bid Security**

- 15.1. The Bidder shall submit a Bid Securing Declaration 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**.
- 15.2. The Bid and bid security shall be valid until *[indicate date]*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

## **16. 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 to the given website 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.

## **17. Deadline for Submission of Bids**

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 9 of the **IB**.

## **18. Opening and Preliminary Examination of Bids**

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 11 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.

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

## **19. Detailed Evaluation and Comparison of Bids**

19.1. The Procuring Entity's 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 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

## **20. Post Qualification**

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

## **21. Signing of the Contract**

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



## ***Section III. Bid Data Sheet***

# Bid Data Sheet

ITB Clause					
5.2	<p>A. For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <table border="1" data-bbox="323 472 1393 607"> <tr> <th data-bbox="323 472 956 517">Category</th><th data-bbox="956 472 1393 517">ABC,</th></tr> <tr> <td data-bbox="323 517 956 607"><b>EARTHWORKS INCLUDING CONCRETING WORKS</b></td><td data-bbox="956 517 1393 607"><b>Php 107,464,596.01</b></td></tr> </table> <p>B. The statement of SLCC shall be accompanied by a Certificate of Final Acceptance issued by the owner, or a final rating of at least "Satisfactory in the Constructors Performance Evaluation System (CPES). In the case of contracts with the private sector, an equivalent document shall be submitted. (Section 23.4.2.5 of the Revised IRR of Republic Act No. 9184)</p>	Category	ABC,	<b>EARTHWORKS INCLUDING CONCRETING WORKS</b>	<b>Php 107,464,596.01</b>
Category	ABC,				
<b>EARTHWORKS INCLUDING CONCRETING WORKS</b>	<b>Php 107,464,596.01</b>				
7.1	Subcontracting is not allowed.				
10.1	<p>Bidder shall submit all eligibility and technical documents as specified in <b>Section IX. Checklist of Technical and Financial Documents:</b></p> <p><b>Class "A" Documents</b></p> <p><u>Legal Documents</u></p> <p>a. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;</p> <p><u>Technical Documents</u></p> <p>b. Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid. (<i>Annex "A" Form 1</i>); and</p> <p>c. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules. (<i>Annex "A" Form 2</i>); and</p> <p>1. The statement of SLCC shall be accompanied by a Certificate of Final Acceptance issued by the owner, or a final rating of at least Satisfactory in the Constructors Performance Evaluation System (CPES). In the case of contracts with the private sector, an equivalent document shall be submitted. (Section 23.4.2.5 of the Revised IRR of Republic Act No. 9184); <b>and</b></p> <p>d. Special PCAB License in case of Joint Ventures <b>and</b> registration for the type and cost of the contract to be bid;</p>				

	<p>e. Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission <b>or</b> original copy of Notarized Bid Securing Declaration (<i>Annex "B" Form 1</i>); and</p> <p>f. Project Requirements, which shall include the following:</p> <ol style="list-style-type: none"> <li>1. Organizational chart for the contract to be bid (<i>Annex "B" Form 2</i>); and</li> <li>2. Original of duly signed list of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (<i>Annex "B" Form 3, 4a, 4b &amp; 4c</i>); and</li> <li>3. Original of duly signed list of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be (<i>Annex "B" Form 5</i>); and</li> </ol> <p>g. Original duly signed Omnibus Sworn Statement (OSS) <b>and</b> 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 (<i>Annex "B" Form 6</i>)</p> <p>This shall include all of the following documents as attachment to the Omnibus Sworn Statement:</p> <ol style="list-style-type: none"> <li>1. Certification, under oath, attesting that they have no pending case(s) against the Government, in addition to the eligibility requirements as prescribe under the 2016 Revised Implementing Rules and Regulation (R-IRR) of RA No. 9184; and</li> <li>2. Legal Clearance to be issued by the CAAP Enforcement and Legal Service with respect to the non-pending cases of the prospective bidders against this Authority; and</li> <li>3. Bid Bulletins (if applicable); and</li> </ol> <p><u>Financial Documents</u></p> <p>h. The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).</p>
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	<p style="text-align: center;"><b>Class "B" Documents</b></p> <p>i. If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence; <b>or</b> 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.</p> <p>II. FINANCIAL COMPONENT ENVELOPE</p> <p>j. Original of duly signed and accomplished Financial Bid Form; and</p> <p><u>Other documentary requirements under RA No. 9184</u></p> <p>k. Original of duly signed Bid Prices in the Bill of Quantities (<i>Annex "C" Form 1</i>);</p> <p>l. Summary of Bid Proposal (<i>Annex "C" Form 2</i>);</p> <p>m. Bill of Materials &amp; Cost Estimates (<i>Annex "C" Form 3</i>);</p> <p>n. Summary Sheet indicating the Unit Prices of Construction Materials (<i>Annex "C" Form 4</i>);</p> <p>o. Summary Sheet indicating Unit Prices of Labor (<i>Annex "C" Form 5</i>);</p> <p>p. Summary Sheet indicating the Unit Prices of Equipment (<i>Annex "C" Form 6</i>); and</p> <p>q. Cash Flow by Quarter and Payment Schedule (<i>Annex "C" Form 7</i>).</p> <p>Bids not complying with the above instruction shall be disqualified.</p>
10.3	<p>Valid PCAB License or a valid special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract for this Project.</p> <p><b>Medium A-License Category B</b> (<i>Road, Highway Pavement, Railways, Airport, Horizontal Structures and Bridges</i>)</p> <p>No other contractor license or permit is required.</p>

10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table><tr><td><u>Key Personnel</u></td><td><u>General Experience</u></td><td><u>Relevant Experience</u></td></tr><tr><td>Project (Civil) Engineer</td><td>Five (5) years</td><td>Three (3) years in</td></tr><tr><td>Materials Engineer</td><td>in General</td><td><i>Road/Highway</i></td></tr><tr><td>Geodetic Engineer</td><td>Engineering</td><td><i>Pavement/Railways/Airport/H</i></td></tr><tr><td>Construction Safety &amp; Health Officer</td><td></td><td><i>orizontal Structures/Bridges</i></td></tr></table> <p><b>Use Annex “B” Forms 3, 4a, 4b &amp; 4c as per checklist</b></p>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project (Civil) Engineer	Five (5) years	Three (3) years in	Materials Engineer	in General	<i>Road/Highway</i>	Geodetic Engineer	Engineering	<i>Pavement/Railways/Airport/H</i>	Construction Safety & Health Officer		<i>orizontal Structures/Bridges</i>															
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Construction Safety & Health Officer		<i>orizontal Structures/Bridges</i>																													
10.5	<p>The minimum major equipment requirements are the following:</p> <table><tr><td><u>Equipment</u></td><td><u>Capacity</u></td><td><u>Number of Units</u></td></tr><tr><td>Bulldozer</td><td>165 hp</td><td>One (1)</td></tr><tr><td>Payloader</td><td>1.50 cu.m.</td><td>Two (2)</td></tr><tr><td>Dump Truck</td><td>12.00 cu.yd.</td><td>Six (6)</td></tr><tr><td>Motorized Road Grader</td><td></td><td>Two (2)</td></tr><tr><td>Tandem Steel Roller</td><td></td><td>Two (2)</td></tr><tr><td>Water Truck</td><td></td><td>One (1)</td></tr><tr><td>Backhoe</td><td>0.80 cu.m.</td><td>One (1)</td></tr><tr><td>One Bagger Mixer</td><td></td><td>One (1)</td></tr><tr><td>Concrete Vibrator</td><td></td><td>One (1)</td></tr></table> <p><b>Use Annex “B” Form 5 as per checklist</b></p>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Bulldozer	165 hp	One (1)	Payloader	1.50 cu.m.	Two (2)	Dump Truck	12.00 cu.yd.	Six (6)	Motorized Road Grader		Two (2)	Tandem Steel Roller		Two (2)	Water Truck		One (1)	Backhoe	0.80 cu.m.	One (1)	One Bagger Mixer		One (1)	Concrete Vibrator		One (1)
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One Bagger Mixer		One (1)																													
Concrete Vibrator		One (1)																													
12	No further instructions.																														
15.1	<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 two percent (2%) of ABC, if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than five percent (5%) of ABC if bid security is in Surety Bond.</p>																														
16	<p>1. Each and every page thereof shall be initialed/signed by the duly authorized representative/s of the Bidder.</p> <p>Submitted Eligibility, Technical and Financial documents shall be properly marked with index tabs (ear tab) and must be sequentially paginated in accurate order in the form i.e. “page 3 of 100”. Page number of last page of the document (per envelope basis).</p> <p>Pagination should be sequential based on the entire span of the whole documents inside the envelope.</p> <p>Bids not complying with the above instructions shall be automatically</p>																														

	<p>disqualified.</p> <p>2. Each Bidder shall submit <b>one copy of the first and second components</b> of its bid.</p>
19.2	<p>Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.</p>
20	<p>The Bidder with the Lowest Calculated Bid (LCB) that complies with and is responsive to all the requirements and conditions shall submit its</p> <ul style="list-style-type: none"> <li>a) Updated Valid PhilGEPS Certificate of Registration;</li> <li>b) Latest income and business tax returns filed through the Electronic Filing and Payment System (EFPS);</li> <li>c) Key personnel licenses;</li> <li>d) Updated status of all ongoing contracts, including contracts awarded but not yet started, issued by the government agency or private concerned;</li> </ul> <p>Failure to submit any of the post-qualification requirements on time, or a finding against the veracity thereof, shall disqualify the bidder for award. Provided, that in the event that a finding against the veracity of any of the documents submitted is made, it shall cause the forfeiture of the Bid Security in accordance with Section 69 of the IRR of RA 9184.</p>
21	<p>The following relevant project documents are required to be submitted by the successful bidder who submitted the LCRB as part of the Contract Agreement during its signing:</p> <ul style="list-style-type: none"> <li>a) Construction schedule</li> <li>b) Bar Chart &amp; S-curve</li> <li>c) PERT/CPM Network Diagram</li> <li>d) Manpower schedule</li> <li>e) Construction methods</li> <li>f) Equipment utilization schedule</li> </ul> <p>Construction safety &amp; health programs approved by the Department of Labor &amp; Employment <b>(STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB)</b></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.

## 2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

## 3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

## 4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.4 and specified in the **BDS**, to carry out the supervision of the Works.



The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

## **5. Performance Security**

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than 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.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

## **6. Site Investigation Reports**

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the **SCC** supplemented by any information obtained by the Contractor.

## **7. Warranty**

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the **SCC**.

## **8. Liability of the Contractor**

Subject to additional provisions, if any, set forth in the **SCC**, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

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

## **9. Termination for Other Causes**

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

## **10. Dayworks**

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

## **11. Program of Work**

- 11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.
- 11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC**. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

## **12. Instructions, Inspections and Audits**

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

## **13. Advance Payment**

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule

specified in the **SCC**, subject to the requirements in Annex “E” of the 2016 revised IRR of RA No. 9184.

#### **14. Progress Payments**

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity’s Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

#### **15. Operating and Maintenance Manuals**

- 15.1. If required, the Contractor will provide “as built” Drawings and/or operating and maintenance manuals as specified in the **SCC**.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity’s Representative’s approval, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.

## ***Section V. Special Conditions of Contract***

# Special Conditions of Contract

GCC Clause	
2	Not applicable.
3.1	The <b>CIVIL AVIATION AUTHORITY OF THE PHILIPPINES</b> shall give possession of all parts of the Site to the Contractor upon receipt of the Notice to Proceed.
5	In addition to the Performance Security, winning bidder shall submit Contractor's All Risks Insurance (CARI) upon release of Notice to Proceed.
6	None.
7.2	Five (5) years.
10	No dayworks are applicable to the contract.
11.1	Not applicable.
11.2	Not applicable.
13	The amount of the advance payment shall not exceed 15% of the total contract price.
14	No further instructions.
15.1	<p>The date by which operating and maintenance manuals are required is upon completion of the project</p> <p>The date by which "as built" drawings are required is upon completion of the project.</p> <p>PDF/AutoCAD File of the "as built" plans shall include as attachment to the required hard copy of the same upon completion of the project.</p>
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is percent (2.00%) of the Contract price.

## ***Section VI. Specifications and Scopes of Work***



Name of Project : **STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT  
OF EXISTING PERIMETER FENCE FROM BARBED TO CHB**

Description : **STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT  
OF EXISTING PERIMETER FENCE FROM BARBED TO CHB**

Location : Cauayan Airport, Airport Rd., Cauayan City, Isabela

Duration : Three Hundred Sixty (360) Calendar Days  
Inclusive of nineteen (19) rainy / unworkable days

### **SCOPE OF WORK**

The project covers the supply of labor, materials and equipment necessary for the **STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB AT CAUAYAN AIRPORT**. The details of work are best enumerated below, however, it is understood that the contract includes all works and services though not specifically mentioned herein, but are needed to fully complete the project shall be undertaken by the Contractor.

The following scopes of work shall be done in accordance with the approved plans, specifications and provisions of contract.

## **I. GENERAL REQUIREMENTS**

### **I.a MOBILIZATION / DEMOBILIZATION**

This work includes mobilization and demobilization of the contractor's personnel and equipment necessary for performing the work required under the contract.

a. Mobilization shall include all activities and associated costs for transportation of contractor's personnel, equipment, and establishment of offices, and other necessary facilities for the contractor's operations at the site.

b. Demobilization shall include the disassembly of offices and other facilities on the site, as well as the removal and hauling of debris and rubbish materials.

The following provisions must be delivered within seven (7) days upon receipt of the Notice to Proceed (NTP).

## **I.b OCCUPATION SAFETY AND HEALTH PROGRAM**

The contractor shall be responsible in providing personal protective equipment (PPE) for CAAP Project In-Charge, staffs and workers. Also, the contractor is responsible in providing safety practitioner and safety aides at the job site for the whole duration of the project.

## **I.c PROJECT BILLBOARD/SIGN BOARD**

This covers the provision of project billboard/sign board (8' x 8' tarpaulin size) constructed in a sturdy material, visible to public, and if possible, near the construction site.

## **II. FACILITIES FOR THE ENGINEERS**

The following provisions must be delivered within Seven (7) days upon receipt of Notice to Proceed (NTP).

### **II.a PROVISION OF LIVING QUARTERS FOR THE ENGINEER (RENTAL BASIS)**

This item covers the Contractor's provision of Living Quarters for the Engineer on Rental Basis. The Facility shall be provided with air-con including the supply of kitchen utensils, gas and stove, bed and beddings, and dining sets for the exclusive use of the Engineer in supervising the project. The Contractor shall be responsible for the payment of utility bills (water and electric) for the whole duration of the project.

## **III. STRIP GRADE CORRECTION**

### **ITEM P-151 CLEARING, GRUBBING AND DISPOSAL**

This item shall consist of clearing, grubbing, removing and disposing all vegetation and debris as designated on the approved plans (0.15m depth to be stripped), except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain. This item covers a total volume of **57,199.72cu.m.**

### **ITEM P-152 EXCAVATION AND DISPOSAL**

This Item covers the clearing, grubbing and excavation as shown on the approved plans and in accordance with specifications and in conformity with the lines, grades and dimensions. Place of disposal of excavated materials shall be directed by the CAAP Project-in-Charge. Whereas, any miscellaneous cost shall be the full responsibility of the Contractor. This item covers the following:



- Total Volume of Excavation = **41,759.67cu.m.**
- Total Volume of Disposal = **10,439.92cu.m.**

#### **ITEM P-152-4.1e      EMBANKMENT FROM ROADWAY EXCAVATION**

This Item covers embankment/backfilling as shown on the approved plans and in accordance with specifications and in conformity with the lines, grades and dimensions. The embankment shall be composed of common borrow (suitable materials). This item covers the following:

- Total Volume of Embankment from Site Excavation = **31,319.75cu.m.**  
(from Station -0+104.68 to Station 2+550)
- plus 25% Compaction Factor = **6,263.95cu.m.**
- Total Volume of Embankment at strip width = **37,583.70cu.m.**  
(from Station -0+104.68 to Station 2+550)

#### **ITEM P-152-4.2      EMBANKMENT FROM BORROW SOURCE**

This Item covers embankment/backfilling of strip width as shown on the approved plans and in accordance with specifications and in conformity with the lines, grades and dimensions. The embankment shall be composed of common borrow (suitable materials). This item covers the following:

- Volume of Embankment at strip width = **75,901.73cu.m.**  
(from Station -0+104.68 to Station 2+550)
- plus 25% Compaction Factor = **15,180.35cu.m.**
- Total Volume of Embankment at strip width = **91,082.07cu.m.**  
(from Station -0+104.68 to Station 2+550)

### **IV.      CONSTRUCTION OF CHB PERIMETER FENCE**

#### **1.00      SITE WORKS**

This item covers supply of materials, labor, equipment to complete the **3,100.29l.m.** demolition of existing perimeter fence, **1,322.37.m.** excavation works, **703.86cu.m.** backfilling works, and **101.60cu.m.** gravel bedding as indicated on the approved plans.

- *Total Volume of Site Works = **1,997.26cu.m.***

## **2.00 CONCRETE WORKS**

This item covers supply of materials, labor and equipment to finish the concreting with a total volume of **848.75.m.** including the fabrication/installation/ dismantling of rebar and formworks. The work shall conform to lines, grades and dimensions as indicated on the approved plans. Materials to be used and workmanship must be approved by the Project In-Charge.

## **3.00 MASONRY WORKS**

The work includes materials, labor and equipment/tools for the laying of 150mm thick concrete hollow block (CHB) including mortar,  $\frac{3}{4}$ " thick plastering on both sides & installation of reinforcing steel bars as indicated on the approved plans. Materials to be used and workmanship must be approved by the Project In-Charge assigned by CAAP.

- Total Area of Masonry Works = **10,002.24sq.m.**

## **4.00 STEEL WORKS**

The work includes all materials, labor, and tools/equipment needed to complete the steel works including fabrication, installation, painting and other related works needed for the completion of the project as indicated on the approved plans. Materials to be used and workmanship must be approved by the Project In-Charge.

- Total Weight of Steel Works = **10,797.05kgs.**

## **GENERAL PROVISIONS**

All scopes of work for this item must be in accordance with the approved plans and specifications. Quality and types of materials must conform to specifications and must be approved by the project in-charge of the CAAP.

The contractor shall be responsible in providing personal protective equipment (PPE) for staffs and workers, and Safety Inspectors or Safety Engineers on site while construction is ongoing. Regular safety and weather reports should be accomplished.

The contractor shall be responsible for all laboratory, material testing, environmental compliance certificate (ECC), safety permits and survey instruments necessary in the project implementation. All expenses shall be incorporated in the contractor's overhead cost and shall not be considered as pay item.

## **SPECIFICATIONS**

### **Section 105 Mobilization**

**105-1 Description.** This item shall consist of work and operations, but is not limited to, work and operations necessary for the movement of personnel, equipment, material and supplies to and from the project site for work on the project except as provided in the contract as separate pay items.

**105-1.1 Posted notices.** Prior to commencement of construction activities the Contractor must post the following documents in a prominent and accessible place where they may be easily viewed by all employees of the prime Contractor and by all employees of subcontractors engaged by the prime Contractor: Equal Employment Opportunity (EEO) Poster "Equal Employment Opportunity is the Law" in accordance with the Office of Federal Contract Compliance Programs Executive Order 11246, as amended; Davis Bacon Wage Poster (WH 1321) - DOL "Notice to All Employees" Poster; and Applicable Davis-Bacon Wage Rate Determination. These notices must remain posted until final acceptance of the work by the Owner.

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**The Owner may include additional posted notices as required by local and State law.**

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**105-2 Basis of measurement and payment.** Based upon the contract lump sum price for "Mobilization" partial payments will be allowed as follows:

- a. With first pay request, 25%.
- b. When 25% or more of the original contract is earned, an additional 25%.
- c. When 50% or more of the original contract is earned, an additional 40%.

d. After Final Inspection, Staging area clean-up and delivery of all Project Closeout materials as required by 90-11, the final 10%.

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\*\*\*\*\*

**Item Mobilization may be added to project at Owner's discretion.  
Rather than paying Contractor 100% of mobilization on first pay**

request, many Sponsors have found a payment schedule to be an effective way to reimburse Contractor for mobilization and demobilization. It is not required but it is recommended that the final 10% of this bid item not be paid until the Contractor has cleaned up the project staging area. The payment schedule can be altered, e.g., on small projects may not be appropriate to have more than two (2) payments.

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\*\*\*\*\*

## END OF SECTION 105

### Item P-152 Excavation, Subgrade, and Embankment

#### DESCRIPTION

**152-1.1** This item covers excavation, disposal, placement, and compaction of all materials within the limits of the work required to construct safety areas, runways, taxiways, aprons, and intermediate areas as well as other areas for drainage, building construction, parking, or other purposes in accordance with these specifications and in conformity to the dimensions and typical sections shown on the plans.

**152-1.2 Classification.** All material excavated shall be classified as defined below:

**a. Unclassified excavation.** Unclassified excavation shall consist of the excavation and disposal of all material, regardless of its nature [ which is not otherwise classified and paid for under one of the following items ].

[ b. [ ] ]

[ Rock excavation. Rock excavation shall include all solid rock in ledges, in bedded deposits, in unstratified masses, and conglomerate deposits which are so firmly cemented they cannot be removed without blasting or using rippers. All boulders containing a volume of more than 1/2 cubic yard (0.4 m<sup>3</sup>) will be classified as "rock excavation." ]

[ Muck excavation. Muck excavation shall consist of the removal and disposal of deposits or mixtures of soils and organic matter not suitable for foundation material. Muck shall include materials that will decay or produce subsidence in the embankment. It may consist of decaying stumps, roots, logs, humus, or other material not satisfactory for incorporation in the embankment. ]

[ Drainage excavation. Drainage excavation shall consist of all excavation made for the primary purpose of drainage and includes drainage ditches, such as intercepting, inlet or outlet ditches; temporary levee construction; or any other type as shown on the plans. ]

[ Borrow excavation. Borrow excavation shall consist of approved material required for the construction of embankments or for other portions of the work in excess of the quantity of usable material available from required excavations. Borrow material shall be obtained from areas designated by the Resident Project Representative (RPR) within the limits of the airport property but outside the normal limits of necessary grading, or from areas outside the airport boundaries. ]

[ Other. ] ]

\*\*\*\*\*

**All material excavated shall be considered “unclassified” unless the Engineer specifies other classifications in the project specifications.**

**Add or delete the classifications not applicable for the project.**

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**152-1.3 Unsuitable excavation.** Unsuitable material shall be disposed in designated waste areas as shown on the plans. Materials containing vegetable or organic matter, such as muck, peat, organic silt, or sod shall be considered unsuitable for use in embankment construction. Material suitable for topsoil may be used on the embankment slope when approved by the RPR.

## **CONSTRUCTION METHODS**

**152-2.1 General.** Before beginning excavation, grading, and embankment operations in any area, the area shall be cleared or cleared and grubbed in accordance with Item P-151.

The suitability of material to be placed in embankments shall be subject to approval by the RPR. All unsuitable material shall be disposed of in waste areas as shown on the plans. All waste areas shall be graded to allow positive drainage of the area and adjacent areas. The surface elevation of waste areas shall be specified on the plans or approved by the RPR.

When the Contractor's excavating operations encounter artifacts of historical or archaeological significance, the operations shall be temporarily discontinued and the RPR notified per Section 70, paragraph 70-20. At the direction of the RPR, the Contractor shall excavate the site in such a manner as to preserve the artifacts encountered and allow for their removal. Such excavation will be paid for as extra work.

Areas outside the limits of the pavement areas where the top layer of soil has become compacted by hauling or other Contractor activities shall be scarified and disked to a depth of 4 inches (100 mm), to loosen and pulverize the soil. Stones or rock fragments larger than 4 inches (100 mm) in their greatest dimension will not be permitted in the top 6 inches (150 mm) of the subgrade.

If it is necessary to interrupt existing surface drainage, sewers or under-drainage, conduits, utilities, or similar underground structures, the Contractor shall be responsible for and shall take all necessary precautions to preserve them or provide temporary services. When such facilities are encountered, the Contractor shall notify the RPR, who shall arrange for their removal if necessary. The Contractor, at their own expense, shall satisfactorily repair or pay the cost of all damage to such facilities or structures that may result from any of the Contractor's operations during the period of the contract.

**a. Blasting.** [ Blasting shall not be allowed. ] [ Blasting will be permitted as directed by the RPR and in accordance with the following:

Blasting will be permitted only when proper precautions are taken for the safety of all persons, work, and property. All damage done to the work or property shall be repaired by the Contractor. The cost of repair is incidental to this item. All operations of the Contractor in connection with the transportation, storage, and use of explosives shall conform to all federal, state and local regulations and explosive manufacturers' instructions, with applicable approved permits reviewed by the RPR. Any approval will not relieve the Contractor of their responsibility in blasting operations.

Where blasting is approved, the Contractor shall employ a vibration consultant, approved by the RPR, to advise on explosive charge weights per delay and to analyze records from seismograph recordings. The seismograph shall be capable of producing a permanent record of the three components of the motion in terms of particle velocity, and in addition shall be capable of internal dynamic calibration.

In each distinct blasting area, where pertinent factors affecting blast vibrations and their effects in the area remain the same, the Contractor shall submit a blasting plan of the initial blasts to the RPR for approval. This plan must consist of hole size, depth, spacing, burden, type of explosives, type of delay sequence, maximum amount of explosive on any one delay period, depth of rock, and depth of overburden if any. The maximum explosive charge weights per delay included in the plan shall not be increased without the approval of the RPR.

The Contractor shall keep a record of each blast: its date, time and location; the amount of explosives used, maximum explosive charge weight per delay period, and, where necessary, seismograph records identified by instrument number and location.

Blasting and explosive storage shall be in accordance with Section 70, paragraph 70-09 and all federal, state, and local safety regulations.

These records shall be made available to the RPR on a monthly basis or in tabulated form at other times as required. ]

**152-2.2 Excavation.** No excavation shall be started until the work has been staked out by the Contractor and the RPR has obtained from the Contractor, the survey notes of the elevations and measurements of the ground surface. The Contractor and RPR shall agree

that the original ground lines shown on the original topographic mapping are accurate, or agree to any adjustments made to the original ground lines.

[ Digital terrain model (DTM) files of the existing surfaces, finished surfaces and other various surfaces were used to develop the design plans.

[ Volumetric quantities were calculated by comparing DTM files of the applicable design surfaces and generating Triangle Volume Reports. Electronic copies of DTM files and a paper copy of the original topographic map will be issued to the successful bidder. ]

[ Volumetric quantities were calculated using design cross sections which were created for this project using the DTM files of the applicable design surfaces and generating End Area Volume Reports. Paper copies of design cross sections and a paper copy of the original topographic map will be issued to the successful bidder. ]

Existing grades on the design cross sections or DTM's, where they do not match the locations of actual spot elevations shown on the topographic map, were developed by computer interpolation from those spot elevations. Prior to disturbing original grade, Contractor shall verify the accuracy of the existing ground surface by verifying spot elevations at the same locations where original field survey data was obtained as indicated on the topographic map. Contractor shall recognize that, due to the interpolation process, the actual ground surface at any particular location may differ somewhat from the interpolated surface shown on the design cross sections or obtained from the DTM's. Contractor's verification of original ground surface, however, shall be limited to verification of spot elevations as indicated herein, and no adjustments will be made to the original ground surface unless the Contractor demonstrates that spot elevations shown are incorrect. For this purpose, spot elevations which are within [ 0.1 foot (30 mm) ] of the stated elevations for ground surfaces, or within [ 0.04 foot (12 mm) ] for hard surfaces (pavements, buildings, foundations, structures, etc.) shall be considered "no change". Only deviations in excess of these will be considered for adjustment of the original ground surface. If Contractor's verification identifies discrepancies in the topographic map, Contractor shall notify the RPR in writing at least [ two weeks ] before disturbance of existing grade to allow sufficient time to verify the submitted information and make adjustments to the design cross sections or DTM's. Disturbance of existing grade in any area shall constitute acceptance by the Contractor of the accuracy of the original elevations shown on the topographic map for that area. ]

\*\*\*\*\*

**Delete bracketed DTM paragraphs if DTM not used.**

\*\*\*\*\*A  
All areas to be excavated shall be stripped of vegetation and topsoil. Topsoil shall be stockpiled for future use in areas designated on the plans or by the RPR. All suitable excavated material shall be used in the formation of embankment, subgrade, or other



purposes **as** shown on the plans. All unsuitable material shall be disposed of as shown on the plans.

The grade shall be maintained so that the surface is well drained at all times.

When the volume of the excavation exceeds that required to construct the embankments to the grades as indicated on the plans, the excess shall be used to grade the areas of ultimate development or disposed as directed by the RPR. When the volume of excavation is not sufficient for constructing the embankments to the grades indicated, the deficiency shall be obtained from borrow areas.

\*\*\*\*\*

**During the design phase, perform subsurface investigations to identify existing subsurface conditions to minimize the potential for unforeseen conditions arising during excavation such as the need for dewatering or removal of unsuitable materials.**

\*\*\*\*\*

**a. Selective grading.** When selective grading is indicated on the plans, the more suitable material designated by the RPR shall be used in constructing the embankment or in capping the pavement subgrade. If, at the time of excavation, it is not possible to place this material in its final location, it shall be stockpiled in approved areas until it can be placed. The more suitable material shall then be placed and compacted as specified. Selective grading shall be considered incidental to the work involved. The cost of stockpiling and placing the material shall be included in the various pay items of work involved.

**b. Undercutting.** Rock, shale, hardpan, loose rock, boulders, or other material unsatisfactory for safety areas, subgrades, roads, shoulders, or any areas intended for turf shall be excavated to a minimum depth of 12 inches (300 mm) below the subgrade or to the depth specified by the RPR. Muck, peat, matted roots, or other yielding material, unsatisfactory for subgrade foundation, shall be removed to the depth specified. Unsuitable materials shall be [ disposed of at locations shown on the plans. ] [ disposed off the airport. The cost is incidental to this item. ] This excavated material shall be paid for at the contract unit price per cubic yard (per cubic meter) for [ ]. The excavated area shall be backfilled with suitable material obtained from the grading operations or borrow areas and compacted to specified densities. The necessary backfill will constitute a part of the embankment. Where rock cuts are made, backfill with select material. Any pockets created in the rock surface shall be drained in accordance with the details shown on the plans. Undercutting will be paid as [ unclassified excavation ] [ rock excavation ].

\*\*\*\*\*

**The Engineer shall specify the appropriate class of excavation. If rock or muck excavation is not included under paragraph 152-1.2, unclassified excavation should be specified.**

**The plans shall show details for draining pockets created in rock cuts.**

\*\*\*\*\*

**c. Over-break.** Over-break, including slides, is that portion of any material displaced or loosened beyond the finished work as planned or authorized by the RPR. All over-break shall be graded or removed by the Contractor and disposed of as directed by the RPR. The RPR shall determine if the displacement of such material was unavoidable and their own decision shall be final. Payment will not be made for the removal and disposal of over-break that the RPR determines as avoidable. Unavoidable over-break will be classified as "Unclassified Excavation."

**d. Removal of utilities.** The removal of existing structures and utilities required to permit the orderly progress of work will be accomplished [ ] by someone other than the Contractor [ ] by the Contractor as indicated on the plans [ ]. All existing foundations shall be excavated at least 2 feet (60 cm) below the top of subgrade or as indicated on the plans, and the material disposed of as directed by the RPR. All foundations thus excavated shall be backfilled with suitable material and compacted as specified for embankment or as shown on the plans.

**152-2.3 Borrow excavation.** [ ] Borrow areas are not required. [ ] Borrow areas within the airport property are indicated on the plans. Borrow excavation shall be made only at these designated locations and within the horizontal and vertical limits as staked or as directed by the RPR. All unsuitable material shall be disposed of by the Contractor as shown on the plans. All borrow pits shall be opened to expose the various strata of acceptable material to allow obtaining a uniform product. Borrow areas shall be drained and left in a neat, presentable condition with all slopes dressed uniformly. Borrow areas shall not create a hazardous wildlife attractant. [ ] [ ]

[ ] There are no borrow sources within the boundaries of the airport property. The Contractor shall locate and obtain borrow sources, subject to the approval of the RPR. The Contractor shall notify the RPR at least [ 15 ] days prior to beginning the excavation so necessary measurements and tests can be made by the RPR. All borrow pits shall be opened to expose the various strata of acceptable material to allow obtaining a uniform product. Borrow areas shall be drained and left in a neat, presentable condition with all slopes dressed uniformly. Borrow areas shall not create a hazardous wildlife attractant. [ ] [ ]

\*\*\*\*\*

**For on-site borrow areas, the Engineer must determine the acceptability of the borrow material before identifying the area on the plans.**

**For off-site borrow areas obtained by the Contractor, the RPR must determine the acceptability of the borrow material before its use on the project.**

**Address hazardous wildlife attractants when opening borrow sites on or near an airport. Add references and sources addressing standing water, permitting, approvals, and zoning. Reference AC 150/5200-33, Hazardous Wildlife Attractants on or near Airports.**

\*\*\*\*\*

**152-2.4 Drainage excavation.** Drainage excavation shall consist of excavating drainage ditches including intercepting, inlet, or outlet ditches; or other types as shown on the plans. The work shall be performed in sequence with the other construction. Ditches shall be constructed prior to starting adjacent excavation operations. All satisfactory material shall be placed in embankment fills; unsuitable material shall be placed in designated waste areas or as directed by the RPR. All necessary work shall be performed true to final line, elevation, and cross-section. The Contractor shall maintain ditches constructed on the project to the required cross-section and shall keep them free of debris or obstructions until the project is accepted.

**152-2.5 Preparation of cut areas or areas where existing pavement has been removed.** In those areas on which a subbase or base course is to be placed, the top [ 12 inches (300 mm) ] of subgrade shall be compacted to not less than [ 100 % ] of maximum density for non-cohesive soils, and [ 95% ] of maximum density for cohesive soils as determined by ASTM [\_\_\_\_]. As used in this specification, "non-cohesive" shall mean those soils having a plasticity index (PI) of less than 3 as determined by ASTM D4318.

\*\*\*\*\*

**For subgrade under flexible and rigid pavements, the Engineer shall specify the required compaction depth and density as determined from the geotechnical report and the FAARFIELD Airport Pavement Design compaction recommendations. The current version of FAARFIELD is available at: [www.faa.gov/airports/engineering/design\\_software/](http://www.faa.gov/airports/engineering/design_software/)**

**Specify ASTM D698 for areas designated for aircraft with gross weights of 60,000 pounds (27200 kg) or less and ASTM D1557 for areas**

**designated for aircraft with gross weights greater than 60,000 pounds (27200 kg).**

**For soils with expansive characteristics, the maximum density should be determined in accordance with ASTM D698 regardless of aircraft weight.**

\*\*\*\*\*

**152-2.6 Preparation of embankment area.** All sod and vegetative matter shall be removed from the surface upon which the embankment is to be placed. The cleared surface shall be broken up by plowing or scarifying to a minimum depth of 6 inches (150 mm) and shall then be compacted per paragraph 152-2.10.

Sloped surfaces steeper than one (1) vertical to four (4) horizontal shall be plowed, stepped, benched, or broken up so that the fill material will bond with the existing material. When the subgrade is part fill and part excavation or natural ground, the excavated or natural ground portion shall be scarified to a depth of 12 inches (300 mm) and compacted as specified for the adjacent fill.

\*\*\*\*\*

**The Engineer shall include benching details on the plans based on the type of material, degree of consolidation of the material, and the degree of homogeneity of the material. The minimum width of the bench shall be sufficient to accommodate construction equipment.**

**The Engineer should consider the consolidation of embankments over 4 feet (1.2 m) and consider installation of monitoring equipment such as settlement plates and inclinometers for deep fills.**

\*\*\*\*\*

No direct payment shall be made for the work performed under this section. The necessary clearing and grubbing and the quantity of excavation removed will be paid for under the respective items of work.

**152-2.7 Control Strip.** The first half-day of construction of subgrade and/or embankment shall be considered as a control strip for the Contractor to demonstrate, in the presence of the RPR, that the materials, equipment, and construction processes meet the requirements of this specification. The sequence and manner of rolling necessary to obtain specified density requirements shall be determined. The maximum compacted thickness may be increased to a maximum of 12 inches (300 mm) upon the Contractor's demonstration that approved equipment and operations will uniformly compact the lift to the specified density. The RPR must witness this demonstration and approve the lift thickness prior to full production.

Control strips that do not meet specification requirements shall be reworked, re-compacted, or removed and replaced at the Contractor's expense. Full operations shall not begin until the control strip has been accepted by the RPR. The Contractor shall use the same equipment, materials, and construction methods for the remainder of construction, unless adjustments made by the Contractor are approved in advance by the RPR.

**152-2.8 Formation of embankments.** The material shall be constructed in lifts as established in the control strip, but not less than 6 inches (150 mm) nor more than 12 inches (300 mm) of compacted thickness.

When more than one lift is required to establish the layer thickness shown on the plans, the construction procedure described here shall apply to each lift. No lift shall be covered by subsequent lifts until tests verify that compaction requirements have been met. The Contractor shall rework, re-compact and retest any material placed which does not meet the specifications.

The lifts shall be placed, to produce a soil structure as shown on the typical cross-section or as directed by the RPR. Materials such as brush, hedge, roots, stumps, grass and other organic matter, shall not be incorporated or buried in the embankment.

Earthwork operations shall be suspended at any time when satisfactory results cannot be obtained due to rain, freezing, or other unsatisfactory weather conditions in the field. Frozen material shall not be placed in the embankment nor shall embankment be placed upon frozen material. Material shall not be placed on surfaces that are muddy, frozen, or contain frost. The Contractor shall drag, blade, or slope the embankment to provide surface drainage at all times.

The material in each lift shall be within  $\pm 2\%$  of optimum moisture content before rolling to obtain the prescribed compaction. The material shall be moistened or aerated as necessary to achieve a uniform moisture content throughout the lift. Natural drying may be accelerated by blending in dry material or manipulation alone to increase the rate of evaporation.

The Contractor shall make the necessary corrections and adjustments in methods, materials or moisture content to achieve the specified embankment density.

The [RPR][contractor] will take samples of excavated materials which will be used in embankment for testing and develop a Moisture-Density Relations of Soils Report (Proctor) in accordance with [ ASTM D698 ] [ D 1557 ]. A new Proctor shall be developed for each soil type based on visual classification.

Density tests will be taken by the [RPR][contractor] for every [ 3,000 ] square yards of compacted embankment for each lift which is required to be compacted, or other appropriate frequencies as determined by the RPR.

If the material has greater than 30% retained on the 3/4-inch (19.0 mm) sieve, follow AASHTO T-180 Annex Correction of maximum dry density and optimum moisture for oversized particles.

\*\*\*\*\*

**It is recommended that density tests be made for each 3,000 square yards (2500 square meters) of material placed per lift. Testing frequency should be determined by the Geotechnical Engineer. The Engineer may specify other frequencies as appropriate to the job size. If necessary to apply special controls to the moisture content of the soil during or after compaction to ensure strength because of the presence of expansive soils or other unusually sensitive soils), the Engineer must specify the appropriate moisture content. The moisture limitations shall be specified using acceptable moisture ranges as determined by ASTM D698 or ASTM D1557. Refer to FAA RD-76-66, Design and Construction of Airport Pavements on Expansive Soils, for additional guidance.**

**If the material has greater than 30% retained on the 3/4-inch (19.0 mm) sieve, follow the methods in the ASTM D698 or D1557; or AASHTO T180 Annex for correction of maximum dry density and optimum moisture for oversized particles.**

**If nuclear density machines are to be used for density determination, the machines shall be calibrated in accordance with ASTM D6938.**

**Include testing frequencies per square yard for density and moisture acceptance tests.**

\*\*\*\*\*

Rolling operations shall be continued until the embankment is compacted to not less than [ 100% ] of maximum density for non-cohesive soils, and [ 95% ] of maximum density for cohesive soils as determined by ASTM [\_\_\_\_]. Under all areas to be paved, the embankments shall be compacted to a depth of [\_\_\_\_] and to a density of not less than [\_\_\_\_] percent of the maximum density as determined by ASTM [\_\_\_\_]. As used in this specification, "non-cohesive" shall mean those soils having a plasticity index (PI) of less than 3 as determined by ASTM D4318.

\*\*\*\*\*

**For subgrade under flexible and rigid pavements, the Engineer shall specify the required compaction depth and density as determined from the geotechnical report and the FAARFIELD Airport Pavement Design compaction recommendations. The current version of FAARFIELD is available at: [www.faa.gov/airports/engineering/design\\_software/](http://www.faa.gov/airports/engineering/design_software/)**

**Specify ASTM D698 for areas designated for aircraft with gross weights of 60,000 pounds (27200 kg) or less and ASTM D1557 for areas designated for aircraft with gross weights greater than 60,000 pounds (27200 kg).**

**For soils with expansive characteristics, the maximum density should be determined in accordance with ASTM D698 regardless of aircraft weight.**

\*\*\*\*\*

On all areas outside of the pavement areas, no compaction will be required on the top [ 4 inches (100 mm) ] which shall be prepared for a seedbed in accordance with [ Item T-901 ][ T-906 ].

The in-place field density shall be determined in accordance with [ ASTM D1556 ] [ ASTM 6938 using Procedure A, the direct transmission method, and ASTM D6938 shall be used to determine the moisture content of the material. The machine shall be calibrated in accordance with ASTM D6938. ]. The [ RPR shall perform all density tests ] [ Contractor's laboratory shall perform all density tests in the RPR's presence and provide the test results upon completion to the RPR for acceptance ]. If the specified density is not attained, the area represented by the test or as designated by the RPR shall be reworked and/or re-compacted and additional random tests made. This procedure shall be followed until the specified density is reached.

Compaction areas shall be kept separate, and no lift shall be covered by another lift until the proper density is obtained.

During construction of the embankment, the Contractor shall route all construction equipment evenly over the entire width of the embankment as each lift is placed. Lift placement shall begin in the deepest portion of the embankment fill. As placement progresses, the lifts shall be constructed approximately parallel to the finished pavement grade line.

When rock, concrete pavement, asphalt pavement, and other embankment material are excavated at approximately the same time as the subgrade, the material shall be incorporated into the outer portion of the embankment and the subgrade material shall be incorporated under the future paved areas. Stones, fragmentary rock, and recycled pavement larger than 4 inches (100 mm) in their greatest dimensions will not be allowed in the top 12 inches (300 mm) of the subgrade. Rockfill shall be brought up in lifts as specified or as directed by the RPR and the finer material shall be used to fill the voids forming a dense, compact mass. Rock, cement concrete pavement, asphalt pavement, and other embankment material shall not be disposed of except at places and in the manner designated on the plans or by the RPR.

When the excavated material consists predominantly of rock fragments of such size that the material cannot be placed in lifts of the prescribed thickness without crushing, pulverizing or further breaking down the pieces, such material may be placed in the embankment as directed in lifts not exceeding 2 feet (60 cm) in thickness. Each lift shall be leveled and smoothed with suitable equipment by distribution of spalls and finer fragments of rock. The lift shall not be constructed above an elevation 4 feet (1.2 m) below the finished subgrade.

[ There will be no separate measurement of payment for compacted embankment. All costs incidental to placing in lifts, compacting, discing, watering, mixing, sloping, and

other operations necessary for construction of embankments will be included in the contract price for excavation, borrow, or other items. ] [ Payment for compacted embankment will be made under embankment in-place and no payment will be made for excavation, borrow, or other items. ]

**152-2.9 Proof rolling.** [ Not Used ] The purpose of proof rolling the subgrade is to identify any weak areas in the subgrade and not for compaction of the subgrade. [ Before start of embankment, ] [ and ] [ After compaction is completed, ] the subgrade area shall be proof rolled with a [ [ 20 ton (18.1 metric ton) ] Tandem axle Dual Wheel Dump Truck loaded to the legal limit with tires inflated to [ 80/100/150 psi (0.551 MPa/0.689 MPa/1.034 MPa) ] [ [ ] ton Proof Roller with tires spaced not more than 32 inches (0.8 m) on-center with tires inflated to [ 100/125/150 psi (0.689 MPa/0.861 MPa/1.034 MPa) ] ] in the presence of the RPR. Apply a minimum of [ ] coverage, or as specified by the RPR, under pavement areas. A coverage is defined as the application of one tire print over the designated area. Soft areas of subgrade that deflect more than 1 inch (25 mm) or show permanent deformation greater than 1 inch (25 mm) shall be removed and replaced with suitable material or reworked to conform to the moisture content and compaction requirements in accordance with these specifications. Removal and replacement of soft areas is incidental to this item.

\*\*\*\*\*

**The Engineer shall select the proof-rolling method and number of coverages.**

**Drawings should be checked to ensure that any supplementary information required by this paragraph has been shown and that there is no conflict between the drawings and the specifications.**

**When proof rolling not used, delete all text from Paragraph 152-2.9 and insert Not Used.**

\*\*\*\*\*

**152-2.10 Compaction requirements.** The subgrade under areas to be paved shall be compacted to a depth of [ 12 inches (300 mm) ] and to a density of not less than [ 100 ] percent of the maximum dry density as determined by ASTM [ D1557 ] [ D698 ]. The subgrade in areas outside the limits of the pavement areas shall be compacted to a depth of [ 12 inches (300 mm) ] and to a density of not less than [ 95 ] percent of the maximum density as determined by ASTM [ D698 ].

The material to be compacted shall be within  $\pm 2\%$  of optimum moisture content before being rolled to obtain the prescribed compaction (except for expansive soils). When the material has greater than 30 percent retained on the  $\frac{3}{4}$  inch (19.0 mm) sieve, follow the [ methods in [ ASTM D698 ] [ ASTM D1557 ] ] [ procedures in AASHTO T180 Annex for correction of maximum dry density and optimum moisture for oversized particles. ]



Tests for moisture content and compaction will be taken at a minimum of [ ] S.Y. of subgrade. All quality assurance testing shall be done by [ the RPR. ] [ the Contractor's laboratory in the presence of the RPR, and density test results shall be furnished upon completion to the RPR for acceptance determination. ]

\*\*\*\*\*

**The Engineer shall specify the required compaction depths and densities as determined from FAARFIELD Airport Pavement Design Report. The current version of FAARFIELD is available at: [https://www.faa.gov/airports/engineering/design\\_software/](https://www.faa.gov/airports/engineering/design_software/)**

**The Engineer shall specify ASTM D698 for areas designated for aircraft with gross weights of 60,000 pounds (27200 kg) or less, and ASTM D1557 for areas designated for aircraft with gross weights greater than 60,000 pounds (27200 kg).**

**If the material has greater than 30% retained on the 3/4-inch (19.0 mm) sieve, follow the methods in the ASTM D698 or D1557; or AASHTO T180 Annex for correction of maximum dry density and optimum moisture for oversized particles.**

**Include testing frequencies per square yard (square meter) for density and moisture acceptance tests.**

\*\*\*\*\*

The in-place field density shall be determined in accordance with [ ASTM D1556 ] [ ASTM D6938 using Procedure A, the direct transmission method, and ASTM D6938 shall be used to determine the moisture content of the material. The machine shall be calibrated in accordance with ASTM D6938 within 12 months prior to its use on this contract. The gage shall be field standardized daily. ]

Maximum density refers to maximum dry density at optimum moisture content unless otherwise specified.

If the specified density is not attained, the entire lot shall be reworked and/or re-compacted and additional random tests made. This procedure shall be followed until the specified density is reached.

All cut-and-fill slopes shall be uniformly dressed to the slope, cross-section, and alignment shown on the plans or as directed by the RPR and the finished subgrade shall be maintained.

**152-2.11 Finishing and protection of subgrade.** Finishing and protection of the subgrade is incidental to this item. Grading and compacting of the subgrade shall be performed so that it will drain readily. All low areas, holes or depressions in the subgrade

shall be brought to grade. Scarifying, blading, rolling and other methods shall be performed to provide a thoroughly compacted subgrade shaped to the lines and grades shown on the plans. All ruts or rough places that develop in the completed subgrade shall be graded, re-compacted, and retested. The Contractor shall protect the subgrade from damage and limit hauling over the finished subgrade to only traffic essential for construction purposes.

The Contractor shall maintain the completed course in satisfactory condition throughout placement of subsequent layers. No subbase, base, or surface course shall be placed on the subgrade until the subgrade has been accepted by the RPR.

**152-2.12 Haul.** All hauling will be considered a necessary and incidental part of the work. The Contractor shall include the cost in the contract unit price for the pay of items of work involved. No payment will be made separately or directly for hauling on any part of the work.

The Contractor's equipment shall not cause damage to any excavated surface, compacted lift or to the subgrade as a result of hauling operations. Any damage caused as a result of the Contractor's hauling operations shall be repaired at the Contractor's expense.

The Contractor shall be responsible for providing, maintaining and removing any haul roads or routes within or outside of the work area, and shall return the affected areas to their former condition, unless otherwise authorized in writing by the Owner. No separate payment will be made for any work or materials associated with providing, maintaining and removing haul roads or routes.

**152-2.13 Surface Tolerances.** In those areas on which a subbase or base course is to be placed, the surface shall be tested for smoothness and accuracy of grade and crown. Any portion lacking the required smoothness or failing in accuracy of grade or crown shall be scarified to a depth of at least 3 inches (75 mm), reshaped and re-compacted to grade until the required smoothness and accuracy are obtained and approved by the RPR. The Contractor shall perform all final smoothness and grade checks in the presence of the RPR. Any deviation in surface tolerances shall be corrected by the Contractor at the Contractor's expense.

- a. Smoothness.** The finished surface shall not vary more than  $\pm \frac{1}{2}$  inch (12 mm) when tested with a 12-foot (3.7-m) straightedge applied parallel with and at right angles to the centerline. The straightedge shall be moved continuously forward at half the length of the 12-foot (3.7-m) straightedge for the full length of each line on a 50-foot (15-m) grid.
- b. Grade.** The grade and crown shall be measured on a 50-foot (15-m) grid and shall be within  $\pm 0.05$  feet (15 mm) of the specified grade.

On safety areas, turfed areas and other designated areas within the grading limits where no subbase or base is to be placed, grade shall not vary more than 0.10 feet (30 mm) from specified grade. Any deviation in excess of this amount shall be corrected by loosening, adding or removing materials, and reshaping.

**152-2.14 Topsoil.** When topsoil is specified or required as shown on the plans or under Item T-905, it shall be salvaged from stripping or other grading operations. The topsoil shall meet the requirements of Item T-905. If, at the time of excavation or stripping, the topsoil cannot be placed in its final section of finished construction, the material shall be stockpiled at approved locations. Stockpiles shall be located as shown on the plans and the approved CSPP, and shall not be placed on areas that subsequently will require any excavation or embankment fill. If, in the judgment of the RPR, it is practical to place the salvaged topsoil at the time of excavation or stripping, the material shall be placed in its final position without stockpiling or further re-handling.

\*\*\*\*\*

**Refer to AC 150/5370-2, Operational Safety on Airports During Construction when developing the Construction Safety and Phasing Plan (CSPP).**

\*\*\*\*\*

Upon completion of grading operations, stockpiled topsoil shall be handled and placed as shown on the plans and as required in Item T-905. Topsoil shall be paid for as provided in Item T-905. No direct payment will be made for topsoil under Item P-152.

## **METHOD OF MEASUREMENT**

**152-3.1** Measurement for payment specified by the cubic yard (cubic meter) shall be computed by the [ average end areas of design cross sections ] [ the comparison of digital terrain model (DTM) surfaces ] for computation of neat line design quantities ]. The end area is that bound by the original ground line established by field cross-sections and the final theoretical pay line established by cross-sections shown on the plans, subject to verification by the RPR.

\*\*\*\*\*

**The Engineer may edit method of volume calculations. The method of calculating volumes must meet or exceed the accuracy of the average end area method. The method of field verification should be described and must meet or exceed what is currently specified for the average end area method.**

\*\*\*\*\*

**152-3.1** [ The quantity of [ unclassified ] [ rock ] [ muck ] [ drainage ] excavation to be paid for shall be the number of cubic yards (cubic meters) measured in its original position. Measurement shall not include the quantity of materials excavated without authorization beyond normal slope lines, or the quantity of material used for purposes other than those directed. ]

**[ 152-3.2 The quantity of embankment in place shall be the number of cubic yards (cubic meters) measured in its final position. ]**

**[ 152-3.3** [ Stockpiled material shall be paid for on the basis of the number of cubic yards (cubic meters) measured in the stockpiled position. ] [ Stockpiled material shall not be measured for payment in the stockpiled position. ] ]

## **BASIS OF PAYMENT**

**152-4.1** [ Unclassified excavation ] [ Rock Excavation ] [ Muck Excavation ] [ Drainage Excavation ] [ Stockpiled Material ] payment shall be made at the contract unit price per cubic yard (cubic meter). This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

**[ 152-4.2** For embankment in place, payment shall be made at the contract unit price per cubic yard (cubic meter). This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item. ]

**[ 152-4.3** Stockpiled material shall be paid for on the basis of the number of cubic yards (cubic meters) measured in the stockpiled position. ]

Payment will be made under:

[ Item P-152-4.1 [ [ Unclassified ] [ Rock ] [ Muck ] [ Drainage ] [ Excavation ] [ Stockpiled material ] ] - per cubic yard (cubic meter) ]

[ Item P-152-4.2 Embankment in place - per cubic yard (cubic meter) ]

[ Item P-152-4.3 Stockpiled material – per cubic yard (cubic meter) ]

## ***Section VII. Drawings***

*[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]*

## ***Section VIII. Bill of Quantities***

***Bill of Quantities, Summary of Bid Proposal & Detailed Estimate should be submitted together with the Annex "C" Form 4 to 7.***

***Non-attachment of Annex "C" Form 1 to 7 shall be automatically disqualified.***

**{ATTACH COMPANY LETTERHEAD/LOGO}**  
**BILL OF QUANTITIES**

PROJECT: STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING  
 FENCE FROM BARBED TO CHB

LOCATION: Cauayan Airport, Airport Rd, Cauayan City, Isabela

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	TOTAL COST	UNIT COST
<b>I</b>	<b>GENERAL REQUIREMENTS</b>				
I.a	Mobilization/Demobilization	1.00	lot		
	Pesos_____ Amount in Words _____and _____centavos				
I.b	Occupation Safety and Health Program	1.00	lot		
	Pesos_____ Amount in Words _____and _____centavos				
I.c	Project Billboard/Sign Board	1.00	ea.		
	Pesos_____ Amount in Words _____and _____centavos				
<b>II</b>	<b>FACILITIES FOR THE ENGINEERS</b>				
II.a	Provision of Living Quarters for the Engineer (Rental Basis)	1.00	lot		
	Pesos_____ Amount in Words _____and _____centavos				
<b>III</b>	<b>STRIP GRADE CORRECTION</b>				
P-151	Clearing, Grubbing and Disposal	57,199.72	cu.m		
	Pesos_____ Amount in Words _____and _____centavos				
P-152	Excavation and Disposal	52,199.59	cu.m		
	Pesos_____ Amount in Words _____and _____centavos				
P-152-4.1e	Embankment from Roadway Excavation	31,319.75	cu.m		
	Pesos_____ Amount in Words _____and _____centavos				

P-152-4.2	Embankment from Borrow Source	75,901.73	cu.m.		
	Pesos_____ Amount in Words _____and _____centavos				
<b>IV CONSTRUCTION OF CHB PERIMETER FENCE</b>					
1.00	Site Works	1,997.26	cu.m		
	Pesos_____ Amount in Words _____and _____centavos				
2.00	Concrete Works	848.75	cu.m.		
	Pesos_____ Amount in Words _____and _____centavos				
3.00	Masonry Works	10,002.24	sq.m		
	Pesos_____ Amount in Words _____and _____centavos				
4.00	Steel Works	10,797.05	kgs.		
	Pesos_____ Amount in Words _____and _____centavos				
<b>TOTAL AMOUNT</b>					

TOTAL BID AMOUNT (Php)

\_\_\_\_\_

TOTAL BID AMOUNT IN WORDS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Name Company: \_\_\_\_\_  
Date: \_\_\_\_\_



{ATTACH COMPANY LETTERHEAD/LOGO}

**SUMMARY OF BID PROPOSAL**

**PROJECT:STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB**

LOCATION: Cauayan Airport, Airport Rd, Cauayan City, Isabela

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	MATERIAL COST	LABOR COST	EQUIPMENT COST	ESTIMATED DIRECT COST		MARK-UPS IN		TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
							Cost		OCM	Profit	%	VALUE				
(1)	(2)	(3)	(4)	(A)	(B)	(C)	(5)		(6)	(7)	(8)	(9) (5) x (8)	(10) 5%[(5)+(9)]	(11) + (10)	(12) (5) + (11)	(13) (12)/(3)
I	GENERAL REQUIREMENTS															
I.a	Mobilization/Demobilization	1.00	lot													
I.b	Occupation Safety and Health Program	1.00	lot													
I.c	Project Billboard/Sign Board	1.00	ea													
II	FACILITIES FOR ENGINEERS															
II.a	Provision of Living Quarters for the Engineer(Rental Basis)	1.00	lot													
III	STRIP GRADE CORRECTION															
P-151	Clearing, Grubbing and Disposal	57,199.72	cum													
P-152	Excavation and Disposal	52,199.59	cum													
P-152.4.1e	Embankment from Roadway Excavation	31,319.75	cum													
P-151-4.2	Embankment from Borrow Source	75,901.73	cum.													
IV	CONSTRUCTION OF CHB PERIMETER															
1.00	Site Works	1,997.26	cum.													
2.00	Concrete Works	848.75	cum.													
3.00	Masonry Works	10,002.24	sq.m.													
4.00	Steel Works	10,797.05	kgs.													
	TOTAL AMOUNT															

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB					
DESCRIPTION : General Requirements					
LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela				QUANTITY	UNIT
SUBJECT : Bill of Quantities and Cost Estimate				1.00	lot
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
I	GENERAL REQUIREMENTS				
I.a	Mobilization and Demobilization				
C	Equipment				
	Various Equipment needed for the project	1.00	lot		
			Equipment Cost	.....	
C	TOTAL EQUIPMENT COST				
D	TOTAL DIRECT COST				
INDIRECT COSTS					
1. OCM (0% of TDC)					
2. CONTRACTOR's PROFIT (0% of TDC)					
E. TOTAL OCM & CONTRACTOR's PROFIT					
F. VALUE ADDED TAX, (VAT) 5.0% of (D + E)					
G. TOTAL ESTIMATED INDIRECT COST ( E + F ), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit					
TOTAL ESTIMATED COST ( D + G ), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

### SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB					
DESCRIPTION : General Requirements					
LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela				QUANTITY	UNIT
SUBJECT : Bill of Quantities and Cost Estimate				1.00	lot
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
I	GENERAL REQUIREMENTS				
I.b	Construction Safety and Health Program				
A	Materials				
	Safety Shoes	5.00	pairs		
	Rubber Boots	5.00	pairs		
	Working Gloves	5.00	pairs		
	Rain Coats	5.00	pcs.		
	Safety Hats	5.00	pcs.		
	Reflectorized Safety Vest	5.00	pcs.		
	First-aid Kit	2.00	pcs.		
			Material Cost	.....	
B.	Labor	QTY	DUR. (DAYS)	RATE/DAY	
	Safety Officer	1.00	180.00		
	First Aider	1.00	360.00		
			Labor Cost	.....	
A	TOTAL MATERIAL COST				
B	TOTAL LABOR COST				
D	TOTAL DIRECT COST				
INDIRECT COSTS					
1. OCM (0% of TDC)					
2. CONTRACTOR's PROFIT (0% of TDC)					
E. TOTAL OCM & CONTRACTOR's PROFIT					
F. VALUE ADDED TAX, (VAT) 5.0% of (D + E)					
G. TOTAL ESTIMATED INDIRECT COST ( E + F ), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit					
TOTAL ESTIMATED COST ( D + G ), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

**SUBMITTED BY:**

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

<b>NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB</b>					
<b>DESCRIPTION : General Requirements</b>					
<b>LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela</b>					
<b>SUBJECT : Bill of Quantities and Cost Estimate</b>					
				QUANTITY	UNIT
				1.00	ea.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>I</b>	<b>GENERAL REQUIREMENTS</b>				
<b>I.c</b>	<b>Project Billoard/Sign Board</b>				
<b>A</b>	<b>Materials</b>				
	1/2" x 4' x 8' Marine Plywood		pc.		
	Form Lumber, 2" x 2"		bd.ft.		
	Project Sign (Tarpaulin 8' x 8')		sq.ft.		
	CWN Assorted		kg.		
			Material Cost	.....	
<b>B</b>	<b>Labor</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Worker				
	Common Worker				
			Labor Cost	.....	
<b>A</b>	<b>TOTAL MATERIAL COST</b>				
<b>B</b>	<b>TOTAL LABOR COST</b>				
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
<b>E. TOTAL OCM &amp; CONTRACTOR'S PROFIT</b>		of D			
<b>F. VALUE ADDED TAX, (VAT)</b>		5.0%	of (D + E)		
<b>G. TOTAL ESTIMATED INDIRECT COST ( E + F ), P</b>					
<b>H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit</b>					
<b>TOTAL ESTIMATED COST ( D + G ), P</b>					
<b>TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit</b>					

**SUBMITTED BY:**

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB					
DESCRIPTION : <i>General Requirements</i>					
LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela				QUANTITY	UNIT
SUBJECT : Bill of Quantities and Cost Estimate				1.00	lot
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>II</b>	<b>FACILITIES FOR THE ENGINEERS</b>				
<b>II.a</b>	<b>Provision of Living Quarters for the Engineer (Rental Basis)</b>				
<b>A</b>	<b>Materials</b>				
	Living Quarters for the Engineer (Minimum of 150sq.m.) fully furnished, including electric and water utilities	12.00	months		
			Material Cost .....		
<b>A</b>	<b>TOTAL MATERIAL COST</b>				
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM (0% of TDC)					
2. CONTRACTOR's PROFIT (0% of TDC)					
<b>E. TOTAL OCM &amp; CONTRACTOR's PROFIT</b>					
<b>F. VALUE ADDED TAX, (VAT)</b>		5.0%	of (D + E)		
<b>G. TOTAL ESTIMATED INDIRECT COST ( E + F ), P</b>					
<b>H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit</b>					
<b>TOTAL ESTIMATED COST ( D + G ), P</b>					
<b>TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit</b>					

### SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB					
DESCRIPTION : <i>Strip Grade Correction</i>					
LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela				QUANTITY	UNIT
SUBJECT : Bill of Materials & Cost Estimate				57,199.72	cu.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
III	STRIP GRADE CORRECTION				
P-151	Clearing, Grubbing and Disposal - Requires Labor Only				
B	Labor	QUANTITY	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Common Laborer				
C	Equipment				
	Bulldozer, 165hp				
	Payloader, 1.50cu.m.				
	Dump Truck, 12cu.yd.				
				Labor Cost .....	
				Equipment Cost .....	
B	TOTAL LABOR COST				
C	TOTAL EQUIPMENT COST				
D	TOTAL DIRECT COST				
INDIRECT COSTS					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit					
TOTAL ESTIMATED COST ( D + G ), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

### SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

<b>NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB</b>					
<b>DESCRIPTION : Strip Grade Correction</b>					
<b>LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela</b>				<b>QUANTITY</b>	<b>UNIT</b>
<b>SUBJECT : Bill of Materials &amp; Cost Estimate</b>				52,199.59	cu.m.
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>AMOUNT</b>
<b>III</b>	<b>STRIP GRADE CORRECTION</b>				
<b>P-152</b>	<b>Excavation and Disposal</b>				
	Excavation (Labor & Equipment Only) - 41,759.67 cu.m. Disposal (Labor & Equipment Only) - 10,439.92 cu.m.				
<b>B</b>	<b>Labor</b>	<b>QUANTITY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	Construction Foreman Common Laborer				
			Labor Cost .....		
<b>C</b>	<b>Equipment</b>	<b>QUANTITY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	Bulldozer, 165hp Payloader, 1.50cu.m. Dump Truck, 12cu.yd.				
			Equipment Cost .....		
<b>B</b>	<b>TOTAL LABOR COST</b>				
<b>C</b>	<b>TOTAL EQUIPMENT COST</b>				
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
<b>E. TOTAL OCM &amp; PROFIT</b>		of D			
<b>F. VALUE ADDED TAX, (VAT)</b>		5.0%	of (D + E)		
<b>G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P</b>					
<b>H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit</b>					
<b>TOTAL ESTIMATED COST ( D + G ), P</b>					
<b>TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit</b>					

### SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

<b>NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB</b>					
<b>DESCRIPTION : Strip Grade Correction</b>					
<b>LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela</b>				<b>QUANTITY</b>	<b>UNIT</b>
<b>SUBJECT : Bill of Materials &amp; Cost Estimate</b>				31,319.75	cu.m.
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>AMOUNT</b>
<b>III</b>	<b>STRIP GRADE CORRECTION</b>				
<b>P-152-4.1e</b>	<b>Embankment from Roadway Excavation</b>				
	Suitable Soil from Roadway Excavation - 37,583.70 cu.m. (Labor & Equipment Only)				
<b>B</b>	<b>Labor</b>	<b>QUANTITY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	Construction Foreman				
	Common Laborer				
				Labor Cost .....	
<b>C</b>	<b>Equipment</b>	<b>QUANTITY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	Motorized Road Grader				
	Tandem Steel Roller				
	Water Truck				
				Equipment Cost .....	
<b>B</b>	<b>TOTAL LABOR COST</b>				
<b>C</b>	<b>TOTAL EQUIPMENT COST</b>				
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
<b>E. TOTAL OCM &amp; PROFIT</b>		of D			
<b>F. VALUE ADDED TAX, (VAT)</b>		5.0%	of (D + E)		
<b>G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P</b>					
<b>H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit</b>					
<b>TOTAL ESTIMATED COST ( D + G ), P</b>					
<b>TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit</b>					

**SUBMITTED BY:**

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_



NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB					
DESCRIPTION : Strip Grade Correction				QUANTITY	UNIT
LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela				75,901.73	cu.m.
SUBJECT : Bill of Materials & Cost Estimate				UNIT COST	AMOUNT
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
III	STRIP GRADE CORRECTION				
P-152-4.2	Embankment from Borrow Source				
A	Material Common Borrow (91,082.08 cu.m.) (Suitable Soil Delivered on Site)		cu.m.		
				Material Cost .....	
B	Labor Construction Foreman Common Laborer	QUANTITY	DUR. (DAYS)	RATE/DAY	
				Labor Cost .....	
C	Equipment Motorized Road Grader Tandem Steel Roller Water Truck	QUANTITY	DUR. (DAYS)	RATE/DAY	
				Equipment Cost .....	
A	TOTAL MATERIAL COST				
B	TOTAL LABOR COST				
C	TOTAL EQUIPMENT COST				
D	TOTAL DIRECT COST				
INDIRECT COSTS					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit					
TOTAL ESTIMATED COST ( D + G ), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

### SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB					
DESCRIPTION : Construction of CHB Perimeter Fence					
LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela				QUANTITY	UNIT
SUBJECT : Bill of Materials & Cost Estimate				1,997.26	cu.m.
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IV	CONSTRUCTION OF CHB PERIMETER FENCE				
1.00	Site Works				
	Demolition - 3,100.29 l.m. (Labor Only)				
	Excavation - 1322.37 cu.m. (Labor and Equipment Only)				
	Backfill - 703.86 cu.m. (Labor and Equipment Only)				
A	Material				
	Gravel, G1 -		cu.m.		
			Material Cost .....		
B	Labor	QUANTITY	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Common Laborer				
			Labor Cost .....		
C	Equipment	QUANTITY	DUR. (DAYS)	RATE/DAY	
	Backhoe, 0.80cu.m.				
			Equipment Cost .....		
A	TOTAL MATERIAL COST				
B	TOTAL LABOR COST				
C	TOTAL EQUIPMENT COST				
D	TOTAL DIRECT COST				
INDIRECT COSTS					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit					
TOTAL ESTIMATED COST ( D + G ), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

### SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

<b>NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB</b>					
<b>DESCRIPTION : Construction of CHB Perimeter Fence</b>				<b>QUANTITY</b>	<b>UNIT</b>
<b>LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela</b>				848.75	cu.m.
<b>SUBJECT : Bill of Materials &amp; Cost Estimate</b>				<b>UNIT COST</b>	<b>AMOUNT</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>		
<b>IV</b>	<b>CONSTRUCTION OF CHB PERIMETER FENCE</b>				
<b>2.00</b>	<b>Concrete Works</b>				
<b>A</b>	<b>Material</b>				
	Portland Cement, 40kgs.		bags		
	Sand		cu.m.		
	Gravel		cu.m.		
	12mmØ x 6m DRSB, Grade 40		kgs.		
	10mmØ x 6m DRSB, Grade 40		kgs.		
	#16 G.I. Tie Wire		kgs.		
	1/2" x 4' x 8' Ordinary Plywood		pcs.		
	Form Lumber, 2" x 2"		bd.ft.		
	CWN (Assorted)		kgs.		
			Material Cost .....		
<b>B</b>	<b>Labor</b>			RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost .....		
<b>C</b>	<b>Equipment</b>	<b>QUANTITY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	One-bagger Mixer				
	Concrete Vibrator				
			Equipment Cost .....		
<b>A</b>	<b>TOTAL MATERIAL COST</b>				
<b>B</b>	<b>TOTAL LABOR COST</b>				
<b>C</b>	<b>TOTAL EQUIPMENT COST</b>				
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
<b>E. TOTAL OCM &amp; PROFIT</b>		of D			
<b>F. VALUE ADDED TAX, (VAT)</b>		5.0%	of (D + E)		
<b>G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P</b>					
<b>H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit</b>					
<b>TOTAL ESTIMATED COST ( D + G ), P</b>					
<b>TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit</b>					

**SUBMITTED BY:**

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB					
DESCRIPTION : Construction of CHB Perimeter Fence				QUANTITY	UNIT
LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela				10,002.24	sq.m.
SUBJECT : Bill of Materials & Cost Estimate				UNIT COST	AMOUNT
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
IV	CONSTRUCTION OF CHB PERIMETER FENCE				
3.00	Masonry Works				
A	Material				
	150mm Thk. CHB		pcs.		
	Portland Cement, 40kgs.		kgs.		
	Sand		cu.m.		
	10mm dia. x 6m DRSB, Grade40		kgs.		
	#16 G.I. Tie Wire		kgs.		
			Material Cost .....		
B	Labor	QUANTITY	DUR. (DAYS)	RATE/DAY	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost .....		
A	TOTAL MATERIAL COST				
B	TOTAL LABOR COST				
D	TOTAL DIRECT COST				
INDIRECT COSTS					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR's PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
E. TOTAL OCM & PROFIT		of D			
F. VALUE ADDED TAX, (VAT)		5.0%	of (D + E)		
G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P					
H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit					
TOTAL ESTIMATED COST ( D + G ), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

**SUBMITTED BY:**

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

<b>NAME OF PROJECT : STRIP GRADE CORRECTION INCLUDING REPAIR AND REPLACEMENT OF EXISTING PERIMETER FENCE FROM BARBED TO CHB</b>					
<b>DESCRIPTION : Construction of CHB Perimeter Fence</b>				<b>QUANTITY</b>	<b>UNIT</b>
<b>LOCATION : Cauayan Airport, Airport Rd, Cauayan City, Isabela</b>				10,797.05	kgs.
<b>SUBJECT : Bill of Materials &amp; Cost Estimate</b>				<b>UNIT COST</b>	<b>AMOUNT</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>		
<b>IV</b>	<b>CONSTRUCTION OF CHB PERIMETER FENCE</b>				
<b>4.00</b>	<b>Steel Works</b>				
<b>A</b>	<b>Material</b>				
	Barbed Wire Galvanized 3 Strands GA 12.5, 135m per roll		rolls		
	38mmØ x 6m, G.I. Pipe (Schedule 40)		pcs.		
	38mmØ G.I. Pipe, Schedule 40, End Cap		pcs.		
	10mmØ x 6m Round Bar, Grade40		kgs.		
	Welding Rod		kgs.		
	Epoxy Paint w/ Catalyst		gals		
	4" Paint Brush		pcs.		
			Material Cost .....		
<b>B</b>	<b>Labor</b>	<b>QUANTITY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
			Labor Cost .....		
<b>A</b>	<b>TOTAL MATERIAL COST</b>				
<b>B</b>	<b>TOTAL LABOR COST</b>				
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM (0% - 10% of TDC)		of Estimated Direct Cost			
2. CONTRACTOR'S PROFIT (0% - 8% of TDC)		of Estimated Direct Cost			
<b>E. TOTAL OCM &amp; PROFIT</b>		of D			
<b>F. VALUE ADDED TAX, (VAT)</b>		5.0%	of (D + E)		
<b>G. TOTAL ESTIMATED INDIRECT COST ( F + E ), P</b>					
<b>H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit</b>					
<b>TOTAL ESTIMATED COST ( D + G ), P</b>					
<b>TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit</b>					

### SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

## ***Section IX. 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) in accordance with Section 8.5.2 of the IRR;

#### Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (*Annex "A" Form 1*); **and**
- ☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules (*Annex "A" Form 2*);
  - ☐ a. The statement of SLCC shall be accompanied by a Certificate of Final Acceptance issued by the owner, or a final rating of at least Satisfactory in the Constructors Performance Evaluation System (CPES). In the case of contracts with the private sector, an equivalent document shall be submitted. (Section 23.4.2.5 of the Revised IRR of Republic Act No. 9184).; **and**
- ☐ (d) Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) 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 (*Annex "B" Form 1*); **and**
- ☐ (f) Project Requirements, which shall include the following:
  - ☐ a. Organizational chart for the contract to be bid (*Annex "B" Form 2*);
  - ☐ b. Original of duly signed list of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (*Annex "B" Form 3, 4a, 4b & 4c*);
  - ☐ c. Original of duly signed list of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the

project, as the case may be (*Annex "B" Form 5*); **and**

- ☐ (g) 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 (*Annex "B" Form 6*).

This shall include all of the following documents as attachment to the Omnibus Sworn Statement:

1. Certification, under oath, attesting that they have no pending case(s) against the Government, in addition to the eligibility requirements as prescribe under the 2016 Revised Implementing Rules and Regulation (R-IRR) of RA No. 9184; and
2. Legal Clearance to be issued by the CAAP Enforcement and Legal Service with respect to the non-pending cases of the prospective bidders against this Authority; and
3. Bid Bulletins (if applicable); and

*Financial Documents*

- ☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

***Class "B" Documents***

- ☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR 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**

- ☐ (j) Original of duly signed and accomplished Financial Bid Form; **and**

*Other documentary requirements under RA No. 9184*

- ☐ (k) Original of duly signed Bid Prices in the Bill of Quantities (*Annex "C" Form 1*) **and**
- ☐ (l) Summary of Bid Proposal (*Annex "C" Form 2*); **and**
- ☐ (m) Bill of Materials & Cost Estimates (*Annex "C" Form 3*); **and**
- ☐ (n) Summary Sheet indicating the Unit Prices of Construction Materials (*Annex "C" Form 4*); **and**



- ☐ (o) Summary Sheet indicating the Unit Prices of Labor (*Annex "C" Form 5*); **and**
- ☐ (p) Summary Sheet indicating the Unit Prices of Equipment (*Annex "C" Form 6*)  
**and**
- ☐ (q) Cash Flow by Quarter and Payment Schedule (*Annex "C" Form 7*).

# ***Bidding Forms***

## *Other Bidding Forms*

### (ANNEX "A")

**ANNEX "A" FORM 1 .....STATEMENT OF ALL ON-GOING CONTRACTS**

**ANNEX "A" FORM 2 .....STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT**

{ATTACH COMPANY LETTERHEAD/LOGO}

Statement of all its ON-GOING 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

Name of Project: \_\_\_\_\_

Location of Project: \_\_\_\_\_

Name of Company : \_\_\_\_\_  
Address of Company: \_\_\_\_\_

[illegible]

Submitted by: \_\_\_\_\_  
(Print Name & Signature)

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

{ ATTACH COMPANY LETTERHEAD/LOGO }

Statement of single largest COMPLETED contract similar to the contract to be bid

Name of Project \_\_\_\_\_  
Location of Project \_\_\_\_\_

Name of Company : \_\_\_\_\_  
Address of Company: \_\_\_\_\_

Name of Contract	a. Owner's Name b. Address c. Telephone No.	Nature of Work	Contractor's Role		Contract Amount at Award	a. Date Awarded b. Date of Contract c. Contract Duration d. Date Started e. Date Completed
			Description	%		

**NOT APPLICABLE**- as per last amendment (July 19, 2024) of IRR of RA 9184 under section 23.4.2.4, \*The bidder must have completed an SLCC that is similar to the contract to be bid, and whose value, adjusted to current prices using the PSA consumer price indices, must be at least fifty percent (50%) of the ABC to be bid; however, That contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.\*

Submitted by: \_\_\_\_\_  
(Print Name & Signature)

Designation: \_\_\_\_\_

Date: \_\_\_\_\_  
\_\_\_\_\_

*Important Notice: This statement shall be accompanied by a Certificate of Final Acceptance issued by the owner, or a final rating of at least Satisfactory in the Constructors Performance Evaluation System (CPES). In the case of contracts with the private sector, an equivalent document shall be submitted. (Section 23.4.2.5 of the Revised IRR of Republic Act No. 9184)*

## *Other Bidding Forms*

### (ANNEX "B")

Annex "B" Form 1 .....	Bid Securing Declaration
Annex "B" Form 2 .....	Organizational Chart of Contract to be Bid
Annex "B" Form 3 .....	Qualification of Key Personnel Proposed to be Assigned in the Project
Annex "B" Form 4a .....	Contractor's Letter-Certificate to Procuring Entity
Annex "B" Form 4b .....	Key Personnel's Certificate of Employment
Annex "B" Form 4c .....	Key Personnel (Format of Bio-Data)
Annex "B" Form 6 .....	List of Equipment Owned or Leased and/or under Purchased
Annex "B" Form 7 .....	Omnibus Sworn Statement
Annex "B" Form 8 .....	Performance Securing Declaration (Revised)

**Bid Securing Declaration Form**

*[shall be submitted with the Bid if bidder opts to provide this form of bid security]*

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REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

**BID SECURING DECLARATION**  
**Project Identification No.: *[Insert number]***

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

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

## CAAP-BAC-SF Annex "B" Form 2

### Contractor's Organizational Chart for the Project

Submit Copy of the Organizational Chart that the Contractor intends to use to execute the contract if awarded to him. Indicate in the chart the names of the Key Engineering Personnel who will be assigned in the Project.

{ATTACH COMPANY LETTERHEAD/LOGO}

Attach the required Proposed Organizational Chart for the Contract as stated above.

Submitted by: \_\_\_\_\_

Designation : \_\_\_\_\_

Date : \_\_\_\_\_



{ATTACH COMPANY LETTERHEAD/LOGO}

Qualification of Key Personnel Proposed to be Assigned to the Project

Name of Project :  
Location of Project :

Name of Company :  
Address of Company :

	Project (Civil) Engineer	Construction Foreman	Construction Safety and Health Officer	Other Position deemed required by the Applicant for this project
1. Name				
2. Address				
3. Date of Birth				
4. Employed Since				
5. Experience				
6. Previous Employment				
7. Education				
8. PRC License				

Note: Attached individual PRC License of the (professional) personnel.

Submitted by :  
Designation : (Signature over Printed Name)  
Date :

{ATTACH COMPANY LETTERHEAD/LOGO}

Date: \_\_\_\_\_

CAPTAIN EDGARDO G. DIAZ  
Chairman, Bids and Awards Committee  
Civil Aviation Authority of the Philippines  
Mia Road, Pasay City, M.M. 1300  
Tel: 944-2358

Subject: Contractor's Letter-Certificate to Procuring Entity

Dear Sir:

Supplementing our Organizational Chart for the Contract, we have the honor to submit herewith, and to certify as true and correct, the following pertinent information:

That I/we have engaged the service of (Name of Employee), to be the (Designation) of the (Name of Project), who is a (Profession) with Professional License Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_ and who has performed the duties in the construction of the project enumerated in the filled Annex "B" Form 5b.

That (Name of Employee) shall personally perform the duties of the said position in the above-mentioned project, if and when the same is awarded in our favor.

That (Name of Employee) shall employ the best care, skill and ability in performing his duties in accordance with the Contract Agreement, Conditions of Contract, Plans, Specifications, Special Provisions, and other provisions embodied in the proposed contract.

That (Name of Employee) shall be personally present at the jobsite all the time to supervise the phase of the construction work pertaining to his assignment as (Designation).

That (Name of Employee) is aware that he shall be authorized to handle only one contract at a time.

That in order to guarantee that (Name of Employee) shall perform his duties properly and be personally present in the Job Site, he is hereby required to secure a certificate of appearance for the Procuring Entity's Engineer at the end of every month.

That in the event that I/we elect or choose to replace (Name of Employee) with another Engineer, the Procuring Entity will be accordingly notified by us in writing at least twenty one (21) days before making replacement. We will submit to the Procuring Entity, for prior approval, the name of the proposed new (Designation), his qualification, experience, list of projects undertaken and other relevant information.

That any willful violation on my/our part of the herein conditions may prejudice my/our standing as a reliable contractor in future bidding of the Procuring Entity.

Very truly yours,

---

(Authorized Representative of Bidder)

CONCURRED BY:

---

(Name of Engineer)

{ATTACH COMPANY LETTERHEAD/LOGO}

Date: \_\_\_\_\_

CAPTAIN EDGARDO G. DIAZ  
Chairman, Bids and Awards Committee  
Civil Aviation Authority of the Philippines  
Mia Road, Pasay City, M.M. 1300  
Tel: 944-2358

Subject: Key Personnel's Certificate of Employment

Dear Sir:

I am (Name of Employee) a License \_\_\_\_\_ Engineer with Professional License No. \_\_\_\_\_  
issued on (Date of Issuance) at (Place of Issuance).

I hereby certify that (Name of Bidder) has engaged my services as (Designation) for (Name of the Project), if awarded in their favor.

As (Designation), I know I will have to stay in the job site all the time to supervise and managed the Contract works to the best of my ability, and aware that I am authorized to handle only one (1) contract at a time.

I do not allow the use of my name for the purpose of enabling the above-mentioned Contractor to qualify for the Contract without any firm commitment on my part to assume the post of (Designation).

As (Designation), I supervised the following completed projects similar to the contract under bidding:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____


At present, I am supervising the following project:

NAME OF PROJECT	OWNER	COST	DATE COMPLETION

In case of my separation for any reason whatsoever from the above-mentioned Contractor, I shall notify the (Name of the Procuring Entity) at least twenty one (21) days before the effective date of my separation.

\_\_\_\_\_  
(Signature of Engineer)

SUBSCRIBED AND SWORN to before me this \_\_ day of \_\_\_\_\_, 20\_\_ affiant exhibiting to me his/her Residence Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_  
Notary Public

Until 31 December 20\_\_  
PRT No.: \_\_\_\_\_  
Issued at: \_\_\_\_\_  
Issued on: \_\_\_\_\_  
TIN No.: \_\_\_\_\_

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series of \_\_\_\_\_

**KEY PERSONNEL**

(FORMAT OF BIO-DATA)

Give the detailed information of the following personnel who are scheduled to be assigned as full-time field staff for the project. Fill up a form for each person.

1. Authorized Managing Officer / Representative: \_\_\_\_\_

2. Sustained Technical Employee:

Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Nationality: \_\_\_\_\_

Education and Degrees: \_\_\_\_\_

Specialty: \_\_\_\_\_

Registration: \_\_\_\_\_

Length of Service with the Firm:

\_\_\_\_\_ Year From \_\_\_\_\_ (months) \_\_\_\_\_ (year)

To \_\_\_\_\_ (months) \_\_\_\_\_ (year)

Years of Experience:

If Item 7 is less than ten (10) years, give name and length of service with previous employers for a ten (10) year period (attached additional sheet/s, if necessary):

Name and Address of Employer	Length of Service
_____	_____ year(s) from _____ to _____
_____	_____ year(s) from _____ to _____
_____	_____ year(s) from _____ to _____

Experience:

This should cover the past ten (10) years of experience. (Attached as many pages as necessary to show involvement of personnel in projects using the format below).

a. Name: \_\_\_\_\_

b. Name and Address of Owner: \_\_\_\_\_

\_\_\_\_\_

- c. Name and Address of the Owner's Engineer (Consultant): \_\_\_\_\_  
\_\_\_\_\_
- d. Indicate the Features of Project (particulars of the project components and any other particular interest connected with the project): \_\_\_\_\_  
\_\_\_\_\_
- e. Contract Amount Expressed in Philippine Currency: \_\_\_\_\_
- f. Position: \_\_\_\_\_
- g. Structures for which the employee was responsible: \_\_\_\_\_  
\_\_\_\_\_
- h. Assignment Period: from \_\_\_\_\_(months) \_\_\_\_\_(years)  
to \_\_\_\_\_(months) \_\_\_\_\_(years)

\_\_\_\_\_  
Name and Signature of Employee

It is hereby certified that the above personnel can be assigned to the \_\_\_\_\_ Project, if the contract is awarded to our company.

\_\_\_\_\_  
(Place and Date)

\_\_\_\_\_  
(The Authorized Representative)

List of Equipment, Owned or Leased and/or under Purchased Agreements, Pledge to the Proposed Project

Name of Project: \_\_\_\_\_  
Location of Project: \_\_\_\_\_

Name of Company: \_\_\_\_\_  
Address of Company: \_\_\_\_\_

Description	Model/Year	Capacity/ Performance/ Size	Plate No.	Motor No./ Body No.	Location	Condition	Proof of Ownership/ Lessor or Vendor
<u>A. Owned</u>							
I.							
II.							
III.							
IV.							
V.							
<u>B. Leased</u>							
I.							
II.							
III.							
IV.							
V.							
<u>C. Under Purchased Agreement</u>							
I.							
II.							
III.							
IV.							
V.							

Submitted by : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Date : \_\_\_\_\_  
(Signature over Printed Name)



**Omnibus Sworn Statement (Revised)**

***[shall be submitted with the Bid]***

---

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, Procurement Agent if engaged, 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, Procurement Agent if engaged, 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, Procurement Agent if engaged, 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

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

**Bid Form for the Procurement of Infrastructure Projects**

***[shall be submitted with the Bid]***

---

**BID FORM**

Date : \_\_\_\_\_

Project Identification No. : \_\_\_\_\_

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, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. 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 and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>2</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do,

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<sup>2</sup> currently based on GPPB Resolution No. 09-2020

execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].

- I. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, 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: \_\_\_\_\_

## *Other Bidding Forms*

### (ANNEX "C")

<b>Annex "C" Form 1 .....</b>	<b>Bill of Quantities</b>
<b>Annex "C" Form 2 .....</b>	<b>Summary of Bid Proposal</b>
<b>Annex "C" Form 3 .....</b>	<b>Bill of Materials &amp; Cost Estimates</b>
<b>Annex "C" Form 4 .....</b>	<b>Summary of Unit Prices of Materials</b>
<b>Annex "C" Form 5 .....</b>	<b>Summary of Unit Prices of Labor</b>
<b>Annex "C" Form 6 .....</b>	<b>Summary of Unit Prices of Equipment</b>
<b>Annex "C" Form 7 .....</b>	<b>Cash Flow by Quarter and Payment Schedule</b>

# CAAP-BAC-SF Annex "C" Form 1

{ATTACH COMPANY LETTERHEAD/LOGO}

## BILL OF QUANTITIES

PROJECT: \_\_\_\_\_

LOCATION: \_\_\_\_\_

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
	Pesos_____ Amount in Words _____ _____ _____ _____and_____ _____ _____centavos				
	Pesos_____ Amount in Words _____ _____ _____ _____and_____ _____ _____centavos				
	Pesos_____ Amount in Words _____ _____ _____ _____and_____ _____ _____centavos				
	Pesos_____ Amount in Words _____ _____ _____ _____and_____ _____ _____centavos				
	Pesos_____ Amount in Words _____ _____ _____ _____and_____ _____ _____centavos				

TOTAL BID AMOUNT (Php)

\_\_\_\_\_

TOTAL BID AMOUNT IN WORDS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Name Company: \_\_\_\_\_  
Date: \_\_\_\_\_

{ATTACH COMPANY LETTERHEAD/LOGO}

SUMMARY OF BID PROPOSAL

PROJECT:  
LOCATION:

ITEM NO.	DESCRIPTION OF WORK	QTY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UP		V.A.T.	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9] [5] x [8]	[10] 5%{[5] +[9]}	[11] [9] +[10]	[12] [5] + [11]	[13] [12] / [3]

SUBMITTED BY:

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Name Company: \_\_\_\_\_  
Date: \_\_\_\_\_



## CAAP-BAC-SF Annex "C" Form 3

{ATTACH COMPANY LETTERHEAD/LOGO}

BILL OF MATERIALS & COST ESTIMATES					
NAME OF PROJECT		:			
DESCRIPTION		:			
LOCATION		:			
				QUANTITY	UNIT
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>A</b>	<b>TOTAL MATERIAL COST</b>				
<b>B</b>	<b>TOTAL LABOR COST</b>				
<b>C</b>	<b>TOTAL EQUIPMENT COST</b>				
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM (0% of TDC)					
2. CONTRACTOR's PROFIT (0% of TDC)					
<b>E. TOTAL OCM &amp; CONTRACTOR's PROFIT</b>					
<b>F. VALUE ADDED TAX, (VAT)</b> 5.0%					
<b>G. TOTAL ESTIMATED INDIRECT COST ( E + F ), P</b>					
<b>H. TOTAL ESTIMATED UNIT INDIRECT COST ( G / Quantity), P/Unit</b>					
<b>TOTAL ESTIMATED COST ( D + G ), P</b>					
<b>TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit</b>					

SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

{ATTACH COMPANY LETTERHEAD/LOGO}

**SUMMARY FOR UNIT PRICES OF MATERIALS**

PROJECT: \_\_\_\_\_

LOCATION: \_\_\_\_\_

DESCRIPTION	UNIT PRICE	UNIT

SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

{ATTACH COMPANY LETTERHEAD/LOGO}

**SUMMARY FOR UNIT PRICES OF LABOR**

PROJECT: \_\_\_\_\_

LOCATION: \_\_\_\_\_

DESCRIPTION	UNIT PRICE	UNIT

SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

{ATTACH COMPANY LETTERHEAD/LOGO}

**SUMMARY FOR UNIT PRICES OF EQUIPMENT**

PROJECT: \_\_\_\_\_

LOCATION: \_\_\_\_\_

DESCRIPTION	UNIT PRICE	UNIT

SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name Company: \_\_\_\_\_

Date: \_\_\_\_\_

{ATTACH COMPANY LETTERHEAD/LOGO}

Name of Project : \_\_\_\_\_

Location of Project : \_\_\_\_\_

CASH FLOW BY QUARTER AND PAYMENY SCHEDULE

PARTICULAR	% W	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
ACCOMPLISHMENT					
CASH FLOW					
CUMULATIVE ACCOMPLISHMENT					
CUMULATIVE CASH FLOW					

Submitted by:

\_\_\_\_\_  
Name of the Representative of the Bidder

\_\_\_\_\_  
Position

\_\_\_\_\_  
Name of the Company

\_\_\_\_\_  
Date

## *Other Bidding Forms*

### (ANNEX "D")

**Annex "D" Form 1 ..... Authority of Signatory (Secretary's Certificate)**

## CAAP-BAC-SF Annex "D" Form 1

### AUTHORITY OF SIGNATORY (SECRETARY'S CERTIFICATE)

I,, a duly elected and qualified Corporate Secretary of (Name of the Bidder), a corporation duly organized and existing under and by virtue of the law of the, DO HEREBY CERTIFY, that:

I am familiar with the facts herein certified and duly authorized to certify the same;

At the regular meeting of the Board of Directors of the said Corporation duly convened and held on at which meeting a quorum was present and acting throughout, the following resolutions were approve, and the same have been annulled, revoked and amended in any way whatever and are in full force and effect on the date hereof:

RESOLVED, that (Name of Bidder) be, as it hereby is, authorized to participate in the bidding of (Name of the Project) by the (Name of the Procuring Entity); and in that if awarded the project shall enter into a contract with the (Name of the Procuring Entity) and in connection therewith hereby appoints (Name of Representative), acting as duly authorized and designated representatives of (Name of the Bidder), and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent (Name of the Bidder) in the bidding as fully and effectively as the (Name of the Bidder) might do if personally present with full power of substitution and revocation and hereby satisfying and confirming all that my said representative shall lawfully do or cause to be done by virtue hereof;

RESOLVED FERTHER THAT, the Board hereby authorized its President to:

- a. execute a waiver of jurisdiction whereby the (Name of the Bidder) hereby submits itself to the jurisdiction of the Philippine government and hereby waives its right to question the jurisdiction of the Philippine court;
- b. execute a waiver that the (Name of the Bidder) shall not seek and obtain writ of injunctions or prohibition or restraining order against the CAAP or any other agency in connection with this Project to prevent and restrain the bidding procedures related thereto, the negotiating and award of a contract to a successful bidder, and the carrying out of the awarded project.

WITNESS the signature of the undersigned as such officer of the said\_this.

—

(Corporate Secretary)

SUBSCRIBED AND SWORN to before me this day of, 20affiant exhibited to me  
his/her Community Tax Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_  
\_\_\_\_\_at, Philippines.

Notary Public

\_\_\_\_\_

Until 31 December 20\_\_\_\_\_

PRT No.: \_\_\_\_\_

Issued at: \_\_\_\_\_

Issued on: \_\_\_\_\_

TIN No.: \_\_\_\_\_

Doc. No. \_\_\_\_\_

Page No.: \_\_\_\_\_

Book No.: \_\_\_\_\_

Series of \_\_\_\_\_



