

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT**

Civil Aviation Authority of the Philippines

**Sixth Edition  
05 JULY 2023**

# TABLE OF CONTENTS

<b>Glossary of Terms, Abbreviations, and Acronyms.....</b>	<b>4</b>
<b>Section I. Invitation to Bid .....</b>	<b>7</b>
<b>Section II. Instructions to Bidders.....</b>	<b>8</b>
1. Scope of Bid .....	12
2. Funding Information .....	12
3. Bidding Requirements.....	12
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices .....	13
5. Eligible Bidders.....	13
6. Origin of Associated Goods .....	13
7. Subcontracts .....	13
8. Pre-Bid Conference.....	13
9. Clarification and Amendment of Bidding Documents.....	14
10. Documents Comprising the Bid: Eligibility and Technical Components .....	14
11. Documents Comprising the Bid: Financial Component .....	14
12. Alternative Bids .....	15
13. Bid Prices .....	15
14. Bid and Payment Currencies.....	15
15. Bid Security.....	15
16. Sealing and Marking of Bids.....	15
17. Deadline for Submission of Bids .....	16
18. Opening and Preliminary Examination of Bids .....	16
19. Detailed Evaluation and Comparison of Bids .....	16
20. Post Qualification.....	17
21. Signing of the Contract .....	17
<b>Section III. Bid Data Sheet.....</b>	<b>18</b>
<b>Section IV. General Conditions of Contract .....</b>	<b>27</b>
1. Scope of Contract.....	28
2. Sectional Completion of Works .....	28
3. Possession of Site.....	28
4. The Contractor's Obligations.....	28
5. Performance Security .....	29

6.	Site Investigation Reports .....	29
7.	Warranty.....	29
8.	Liability of the Contractor.....	29
9.	Termination for Other Causes .....	29
10.	Dayworks .....	30
11.	Program of Work.....	30
12.	Instructions, Inspections and Audits .....	30
13.	Advance Payment.....	30
14.	Progress Payments .....	30
15.	Operating and Maintenance Manuals.....	30
<b>Section V. Special Conditions of Contract.....</b>		<b>32</b>
<b>Section VI. Specifications .....</b>		<b>34</b>
<b>Section VII. Drawings.....</b>		<b>40</b>
<b>Section VIII. Bill of Quantities .....</b>		<b>41</b>
<b>Section IX. Checklist of Technical and Financial Documents.....</b>		<b>48</b>

# ***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 THE**

**CONSTRUCTION OF GENDER NEUTRAL TOILET  
AT BICOL INTERNATIONAL AIRPORT**

1. The **Civil Aviation Authority Of The Philippines, Area Center V, Bicol International Airport** through the **CAAP Corporate Budget for CY 2022** intends to apply the sum of **Two Million Six Hundred Eighty Four Thousand Three Hundred Thirty Five Pesos & 61/100 (Php 2,684,335.61)** being the ABC to payments under the contract for **CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT / CAAP BICOL INTERNATIONAL AIRPORT BAC CONTRACT NO. 2023-003**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **Civil Aviation Authority of the Philippines, Area Center V, Bicol International Airport** now invites bids for the **CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT**. Completion of the Works is required within One Hundred Seventeen (117) Calendar Days. Bidders should have completed a contract similar to the Project. For this purpose, **similar contract refers to building construction and other vertical works**. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instruction to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

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

4. Prospective Bidders may obtain further information from **Civil Aviation Authority of the Philippines, Area Center V, at its physical address at the BAC Office, G/F Admin Building, Bicol International Airport, Daraga, Albay**, and inspect the Bidding Documents **from 8:00AM to 5:00PM, Monday to Friday**.



It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

5. A complete set of Bidding Documents may be acquired by interested Bidders on **13 June 2023 to 05 July 2023** from the given physical address 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 **Five Thousand Six Hundred Pesos (Php 5,600.00), including 12% VAT**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person or through his authorized representative.
6. The **Civil Aviation Authority Of The Philippines, Area Center V** will hold a Pre-Bid Conference on **22 June 2023 at 2:00 p.m. onwards at its physical address at the BAC Office, G/F Admin Building, Bicol International Airport, Daraga, Albay** which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat at the physical address indicated below, **not later than 2:00 p.m. of 05 July 2023. Online submission is not allowed and late submission shall not be accepted.**
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Prospective Bidders should possess the following:

<b>Technical Personnel</b>	1-Civil Engineer 1-Electrical Engineer 1-Master Electrician 1-Safety Officer 1- Construction Foreman
<b>Equipment</b>	One-bagger Cement Mixer Concrete Vibrator Welding Machine, 200 amp 51-100kw Generator Set Oxy-Acetylene Cutting Torch/Welding Outfit Heat Fusing Machine Minor Tools & Equipment
<b>PCAB License</b>	Small B – License Category C & D

The **Civil Aviation Authority of the Philippines, Area Center V, Bicol International Airport** shall resolve cases involving a tie, after post-qualification, among bidders determined and declared as the Lowest Calculated Responsive Bidder (LCRB), by drawing lots.

10. Bid opening shall be on **05 July 2023 at 2:00 p.m. onwards at the physical address of the Civil Aviation Authority of the Philippines, Area Center V at the BAC Office, G/F Admin Building, Bicol International Airport, Daraga, Albay**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
11. The **Civil Aviation Authority of the Philippines, Area Center V, Bicol International Airport** shall resolve cases involving a tie, after post-qualification, among bidders determined and declared as the Lowest Calculated Responsive Bidder (LCRB), by drawing lots.
12. The **Civil Aviation Authority Of The Philippines, Area Center V, Bicol International Airport** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
13. For further information, please refer to:

***THE BAC SECRETARIAT***

*BAC Office, G/F Admin Building*

*Civil Aviation Authority of the Philippines*

*Area Center V, Bicol International Airport*

*Daraga, Albay*

*Telephone Nos. **0906-410-2901***

*Email Ad.: [legazpiairport.bac@gmail.com](mailto:legazpiairport.bac@gmail.com)*

---

**ATTY. NEILITO V. LUPANGO**  
Chairperson

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

## 1. Scope of Bid

The Procuring Entity, **CIVIL AVIATION AUTHORITY OF THE PHILIPPINES (CAAP), AREA CENTER V, BICOL INTERNATIONAL AIRPORT**, invites Bids for the **CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT** with Project Identification Number **CAAP BICOL INTERNATIONAL AIRPORT BAC CONTRACT NO. 2023-003**.

The Procurement Project (referred to herein as **CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT**) is for the construction of gender toilet (without septic tank), as described in Section VI (Specifications).

## 2. Funding Information

2.1. The GOP through the source of funding as indicated below for **CY 2023** in the amount of **Two Million Six Hundred Eighty Four Thousand Three Hundred Thirty Five Pesos & 61/100 (Php 2,684,335.61)**.

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 Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

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

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

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

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

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

## **10. Documents Comprising the Bid: Eligibility and Technical Components**

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section 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 PCAB License is required, and in case of joint ventures, a valid special PCAB License, 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 **120 CALENDAR DAYS FROM THE DATE OF OPENING OF BIDS**. 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 7 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 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

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

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 16 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**.

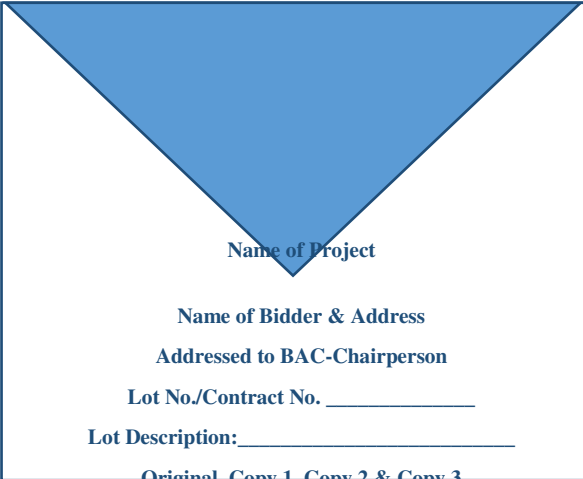
### ***Section III. Bid Data Sheet***

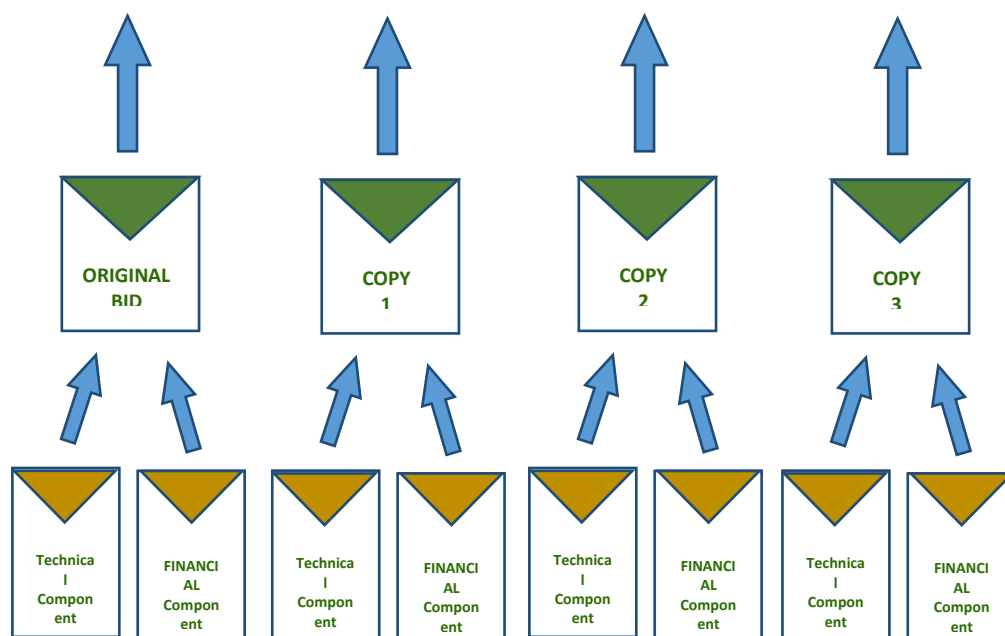
# Bid Data Sheet

ITB Clause	
5.2	<p><b>Submission of two (2) separate Statements:</b></p> <ol style="list-style-type: none"> <li><b>Statement of all Ongoing Government and Private Contracts</b> within three (3) years from the submission of bids, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid.</li> <li><b>Statement of the bidder's Single Largest Completed Contract (SLCC)</b> similar to the contract to be bid and shall be supported by the Notice of Award and/or Notice To Proceed, Projects Owner's Certificate of Final Acceptance issued by the Owner other than the Contractor or the Constructor Performance Evaluation System (CPES) Final Rating, which must be at least satisfactory. In case of contracts with the private sector, an equivalent document shall be submitted.</li> </ol> <p>The Bidder must have completed, <i>within the last three (3) years</i>, a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted to current prices using the National Statistics Office consumer price index.</p> <p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <b>building construction and other vertical works.</b></p>
7.1	<b>Subcontracting is not allowed.</b>
8	<p>The Civil Aviation Authority of the Philippines Area Center V will hold a Pre-bid conference for this Project on <b>22 June 2023 at 2:00PM onwards at its physical address</b> at the <b>BAC Office, G/F Admin Building, Bicol International Airport, Daraga, Albay.</b></p>
9	<p>The Procuring Entity's address is:</p> <p><b>CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AREA CENTER V BICOL INTERNATIONAL AIRPORT DARAGA, ALBAY</b></p> <p><b>ATTY. NEILITO V. LUPANGO BAC CHAIRPERSON BAC OFFICE, G/F ADMIN BUILDING</b></p>

	<p><b>Thru the BAC Secretariat</b>  Tel. Nos.: <b>0906-410-2901</b>  <a href="mailto:legazpiairport.bac@gmail.com">legazpiairport.bac@gmail.com</a></p> <p>Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the <b>IB</b>, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.</p> <p><b>For purposes of clarifying or modifying any provision of the Bidding Documents, Supplemental/Bid Bulletins may be issued upon the Procuring Entity's initiative at least seven (7) calendar days before the deadline for the submission and receipt of bids. Any modification to the Bidding Documents shall be identified as an amendment.</b></p> <p><b><u>Non-inclusion of copy of Supplemental/Bid Bulletin in the Bid Submission shall not be a ground for disqualification, however, it shall be the responsibility of all those who have properly secured the Bidding Documents to inquire and secure Supplemental/Bid Bulletin that may be issued by the BAC.</u></b></p>
10	<p>Per CAAP Memorandum dated 17 September 2018, re: Disqualification Of Prospective Bidders With Pending Cases Against the Government In The Procurement Activities of the CAAP, all prospective bidders shall be required to submit the following:</p> <ol style="list-style-type: none"> <li>1. A <b>certification, under oath</b> attesting that they have no pending case(s) against the Government, in addition to the eligibility requirements for bidders as prescribed under the 2016 Revised Implementing Rules and Regulations (R-IRR) of RA No. 9184.; and</li> <li>2. Valid <b>Legal Clearance</b> issued by the CAAP Enforcement and Legal Service with respect to the non-pendency of any cases of prospective bidders against this Authority.</li> </ol> <p>A prospective bidder's failure to comply with the submission of said requirements together with their bid and/or submission of a false certification shall constitute a ground for automatic disqualification.</p>
10.1	<p>The following proofs for the on-going government contracts and private contracts, including contracts that have been awarded but not yet started, must be submitted:</p>

	<div>1. Notice of Award and Notice to Proceed; and</div> <div>2. Contract Agreement</div>																		
10.4	<div>The key personnel must meet the required minimum years of experience set below:</div> <table><tr><th>Key Personnel</th><th>General Experience</th><th>Relevant Experience</th></tr><tr><td>1. Civil Engineer</td><td>1 year</td><td>1 year</td></tr><tr><td>2. Electrical Engineer</td><td>1 year</td><td>1 year</td></tr><tr><td>3. Master Electrician</td><td>1 year</td><td>1 year</td></tr><tr><td>4. Safety Officer</td><td>1 year</td><td>1 year</td></tr><tr><td>5. Construction Foreman</td><td>3 years</td><td>3 years</td></tr></table> <div>Required valid licenses and/or certificates of key personnel should be submitted together with the List of Contractor’s Personnel/Qualification of Key Personnel.</div> <div>Bids not complying with the above instructions shall be automatically disqualified.</div>	Key Personnel	General Experience	Relevant Experience	1. Civil Engineer	1 year	1 year	2. Electrical Engineer	1 year	1 year	3. Master Electrician	1 year	1 year	4. Safety Officer	1 year	1 year	5. Construction Foreman	3 years	3 years
Key Personnel	General Experience	Relevant Experience																	
1. Civil Engineer	1 year	1 year																	
2. Electrical Engineer	1 year	1 year																	
3. Master Electrician	1 year	1 year																	
4. Safety Officer	1 year	1 year																	
5. Construction Foreman	3 years	3 years																	
10.5	<div>The minimum major equipment requirements are the following:</div> <div><div>1. One-bagger Cement Mixer;</div><div>2. Concrete Vibrator;</div><div>3. Welding Machine, 200 amp;</div><div>4. 51-100kw Generator Set;</div><div>5. Oxy-Acetylene Cutting Torch/Welding Outfit;</div><div>6. Heat Fusing Machine; and</div><div>7. Minor tools &amp; Equipment.</div></div> <div>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.</div>																		
15.1	<div>The bid security shall be in the form of a <b>Bid Securing Declaration</b> or any of the following forms and amounts:</div>																		

	<p>a. The amount of not less than <i>[2% of ABC]</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; and</p> <p>b. The amount of not less than <i>[5% of ABC]</i> if bid security is in Surety Bond.</p>
16	<p>Each bidder shall submit <b><u>one (1) original and three (3) copies of the first and second components of their bids.</u></b></p> <p>All envelopes shall:</p> <ul style="list-style-type: none"> <li>• Contain the name of the contract to be bid in capital letters, and Lot Number and Description if applicable</li> <li>• Bear the name and address of the bidder in capital letters</li> <li>• Be addressed to the Procuring Entity's BAC Chairperson</li> <li>• Bear a warning "DO NOT OPEN BEFORE..." the date and time for the opening of bids</li> <li>• Must be sealed and signed by the bidder or authorized representative.</li> <li>• Pls. refer to Section 25 of The 2016 Revised IRR of RA 9184- Submission and Receipt Of Bids.</li> </ul> <div style="text-align: center; border: 1px solid black; padding: 10px; margin: 20px auto; width: 60%;">  <p>Name of Project</p> <p>Name of Bidder &amp; Address</p> <p>Addressed to BAC-Chairperson</p> <p>Lot No./Contract No. _____</p> <p>Lot Description: _____</p> <p><del>Original, Copy 1, Copy 2 &amp; Copy 3</del></p> <p>"Eligibility-Technical &amp; Financial"</p> <p><b>"DO NOT OPEN BEFORE"</b></p> <p><b><u>Date &amp; time of opening of bids</u></b></p> </div>



**Please refer to the above guide in the preparation/marketing of Bid Envelopes.**

#### 1.1. OTHER INSTRUCTIONS

- ☐ Bidders shall enclose their original eligibility and technical documents described in **ITB** Clause 12 in one sealed envelope marked "ORIGINAL – TECHNICAL COMPONENT", and the original of their financial component in another sealed envelope marked " ORIGINAL – FINANCIAL COMPONENT", sealing them all in an outer envelope marked " ORIGINAL BID"

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Each copy of the first and second envelopes shall be similarly sealed duly marking the inner envelopes as “COPY NO.____ - TECHNICAL COMPONENT” and “COPY NO.____ - FINANCIAL COMPONENT” and the outer envelope as “COPY NO. _____”, respectively. These envelopes containing the original and the copies shall then be enclosed in one single envelope.</li> <li><input type="checkbox"/> The original and the number of copies of the Bid (3 copies: Copy 1, Copy 2, and Copy 3) shall be typed or written in indelible ink and shall be signed by the bidder or its duly authorized representative/s.</li> <li><input type="checkbox"/> Each document must be consecutively paged. (e.g. 2 of 100, 3 of 100). Pagination should be sequential based on the entire span of the whole documents inside the envelope.</li> <li><input type="checkbox"/> The documents must be bounded.</li> </ul>
17	<p>The address for submission of bids is:</p> <p><b>NEILITO V. LUPANGO</b>  <b>BAC CHAIRPERSON</b>  <b>BAC OFFICE, G/F ADMIN BUILDING</b>  <b>CIVIL AVIATION AUTHORITY OF THE PHILIPPINES</b>  <b>AREA CENTER V</b>  <b>BICOL INTERNATIONAL AIRPORT</b>  <b>DARAGA, ALBAY</b></p> <p>The deadline for submission of bids is <b>NOT LATER THAN 2:00PM ON 05 JULY 2023.</b></p> <p><b><u>NOTE: ONLINE SUBMISSION IS NOT ALLOWED.</u></b></p>
18	<p>The place of bid opening is at the physical address:</p> <p><b>BAC OFFICE</b>  <b>G/F ADMIN BUILDING</b>  <b>CIVIL AVIATION AUTHORITY OF THE PHILIPPINES</b>  <b>AREA CENTER V</b>  <b>BICOL INTERNATIONAL AIRPORT</b>  <b>DARAGA, ALBAY</b></p> <p>The date and time of bid opening is on <b>05 JULY 2023 AT 2:00PM ONWARDS.</b></p>



20	<p>As part of post-qualification, the Bidder considered to have the Lowest Calculated Bid (LCB) shall submit the latest income and business tax returns <b>(Tax return filed and paid through the Electronic Filing and Payment System (EFPS)).</b></p> <p><b>NOTE:</b></p> <p><b><i>In accordance with Executive Order (E.O.) No. 398, Revenue Regulation (R.R.) No. 03-2005 and Revenue Memorandum Circular (RMC) 16 – 2005, the above-mentioned tax returns shall refer to the following:</i></b></p> <ol style="list-style-type: none"> <li><b><i>1. Latest Income Tax Return (ITR) shall be the ITR for the preceding year, whether calendar or fiscal; and</i></b></li> <li><b><i>2. Latest Business Tax Returns shall refer to the Value Added Tax (VAT) or Percentage Tax filed and paid covering the previous six (6) months before the date of Submission, Receipt, Opening &amp; Preliminary Examination of Bids.</i></b></li> </ol>
21	<p><b>Contract documents relevant to the Project required during the signing of the contract of the LCRB bidder as follows:</b></p> <ul style="list-style-type: none"> <li>- Construction/Work schedule</li> <li>- S-curve</li> <li>- PERT/CPM</li> <li>- Manpower schedule</li> <li>- Equipment Utilization Schedule</li> <li>- Construction/Work methods</li> <li>- Contractor's All Risk Insurance <sup>1</sup></li> <li>- Construction Safety &amp; Health Programs (CSHP) approved by the Department of Labor &amp; Employment (DOLE) – <b>CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT</b> <sup>2</sup></li> <li>- Performance Security</li> </ul> <p><b><u>Notes:</u></b></p> <ol style="list-style-type: none"> <li><b>1. Upon receipt of the Notice of Award (NOA), the winning bidder should immediately apply for the Contractor's All Risk Insurance coverage since it must be submitted within the prescribed period indicated in the NOA or prior to issuance of Notice To Proceed (NTP).</b></li> <li><b>2. Copy of the CSHP received by the DOLE may be initially submitted together with the NOA, however, the DOLE approved CSHP must be immediately submitted upon approval.</b></li> </ol>

	<p>The <b>PERFORMANCE SECURITY</b> shall be in the following amount:</p> <ol style="list-style-type: none"> <li>1. The amount of Php[<i>10% of total contract price</i>], if in the form of cash, cashier's/manager's check issued by Universal or Commercial bank; or</li> <li>2. The amount of Php [<i>10% of total contract price</i>], if in the form of bank draft/guarantee or irrevocable letter of credit issued by Universal or Commercial Bank Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; or</li> <li>3. Surety Bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security in the amount of Php (<i>30% of total contract price</i>).</li> </ol>
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## ***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 10.3 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	<p>The <b>Intended Completion Date</b> is <b>One Hundred Seventeen (117) calendar days</b>.</p> <p><i>NOTE: The contract duration shall be reckoned from the start date and not from contract effectivity date.</i></p> <p><i>NOTE: The start date shall be the date of receipt of the Notice to Proceed.</i></p>
4.1	<p>The <b>Site</b> is located at <b>Bicol International Airport</b> and is defined in the <b>Bicol International Airport Lay-out Plan</b>.</p>
7.2	<p><i>In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures: Fifteen (15) years.</i></p>
10	<p>No dayworks are applicable to the contract.</p>
11.1	<p>The Contractor shall submit the Program of Work to the Procuring Entity's Representative within <b>seven (7)</b> days of delivery of the Notice of Award.</p>
13	<p>The CAAP shall, upon 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.</p>
15.1	<p>The date by which "as built" drawings are required is <b><i>upon completion of the project</i></b>.</p>
15.2	<p>The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is <b>2% of the Contract Price</b>.</p>

## ***Section VI. Specifications***

## **SCOPE OF WORK AND TECHNICAL SPECIFICATION**

### **1.0 GENERAL**

The works to be accomplished by the successful bidder shall consist of furnishing, supervision, labor, materials, supply, tools and equipment to complete the scope of work for the **“CONSRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT”** project.

### **2.0 LOCATION OF PROJECT**

The **“CONSRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT”** to be bid is located at BICOL INTERNATIONAL AIRPORT, Alobo, Daraga Albay.

### **3.0 GENERAL CONDITIONS OF PLANS AND SPECIFICATIONS**

The execution of this Specification, Plans and other related Contract Documents shall be subject to the rules and regulations as provided in the General Conditions of the Contract. The Plans and specifications shall be interpreted by the Head of Procuring Entity and or his/her representative. No excuses shall be entertained for misinterpretation of the Plans and specifications after the award of contract. All works as deemed required by the Procuring Entity shall be carried out properly by the Contractor.

1. The Contractor shall consult the Head of Procuring Entity or his/her representative on portion of the work not mentioned in the Specification and not illustrated on the Plans. Contractor shall baseall their works on detailed plans approved by the Head of Procuring Entity, otherwise Contractor shall be responsible for the in-acceptance of the work done, which did not commensurate to the approved plans. In such case, the Contractor shall make good the work at his own expense.

2. No alteration or addition shall be allowed without the consent and proper documentation approved by the Head of Procuring Entity, even such change is ordered by the designated project in charge, the Contractor shall bring the case to the Procuring Entity. Request for changes, alteration and deviation of work on the

approved program of work, lay-outs plan, design and scope of work shall not be done without the approval of the Head of Procuring Entity.

Two (2) Sets of clean Plans and specification shall always be kept at the jobsite to be available to the Head of Procuring Entity or his/her representative upon his request during the construction.

#### **4.0 GENERAL REQUIREMENTS**

##### **1.0 Processing and Securing of Permits and Insurance**

The contractor shall be responsible for securing all necessary permits related to the project, including payment of assessed fees as may be required.

#### **5.0 SCOPE OF WORK**

The details of work are at best enumerated below, but be noted that the Contract includes all works and services although not specifically mentioned herein, but are needed to fully complete the Project.

The project covers the supply of labor, materials, mobilization/demobilization, tools/equipment's, and construction and related permits necessary for the **“CONSRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT”** with the following scope of works which shall be done in accordance with the approved plans, specifications and provision of contract to wit:

Execution of this Section shall be coordinated and harmonized to each corresponding elaborated section of these same specifications.

In case discrepancies exist between this Section and its corresponding elaborated sections, notify the Head of Procuring Entity immediately for clarification; their decision shall be final.

The Contractor shall bear the responsibility of checking all the numbers and units as indicated in the Bill of Quantities. It is understood that the Contractor shall supply and install the required units in accordance with the Plans and the Specifications. Any excess in the bill of quantities shall be the property of the Procuring Entity.

During project implementation, the winning bidder/contractor may propose substitution of materials or equipment or makes other than those specified in the Contract documents shall be subject to the approval of the Head of Procuring Entity for the following reasons only:

1. That the materials or equipment proposed for substitution is equal or superior to the materials or equipment specified in construction efficiency and utility provided that any and all costs relative thereof shall be shouldered by the Contractor.
2. Or that the materials or equipment specified cannot be delivered to the job site on time to complete the work of the other Contractors due to conditions beyond the control of the Contractor.
3. In case of a price difference, the Procuring Entity (CAAP) shall receive all benefits of the difference in cost involved in any substitution and the Contract shall be altered by Change Order to credit the Procuring Entity (CAAP) with any savings so obtained.

To receive consideration, request(s) for substitution shall be accompanied by documentary proof of equality or difference in price and delivery, if any, in the form of certified quotations and guaranteed date of delivery from suppliers of either the proposed substituted materials or equipment.

The Contractor shall conduct thorough inspection of the existing job site conditions.

The scope of work shall include all additions necessary in order to implement the whole set of approved Plans, Working Drawings and Specifications.

The Contractor shall secure and do all the legwork necessary for all pertinent permits needed for the Procuring Entity.

The Contractor shall construct all works in accordance with the Plans and Specifications. All items shown on the Plans but not mentioned in the Specifications shall be included. Discrepancies shall be verified with the Head of Procuring Entity.

The Contractor shall have licensed professionals required in the execution of the project which they have submitted in their bid. Shop drawings of actual reference marks shall be verified and approved by the Head of Procuring Entity prior to any permanent construction. Contractor shall refer to the General Nature and Scope of Work and other Bid Documents for more extensive description of the work.

The Contractor shall submit details and shop drawings, templates, and schedules required for the coordination of the work of the various trades. Drawings should include information on all working dimensions, arrangement and sectional views, connections and materials.

Final Cleaning as Pre-requisite to Final Acceptance: Final cleaning of the work shall be employed by the General Contractor prior to the Head of Procuring Entity or his/her representative final inspection for certification of final acceptance.

The Contractor shall be responsible for the safety and safe working practices of its respective employees and agents.

The Head of Procuring Entity may at any time without invalidating the Contract make changes by altering, adding to or deducting from the work as covered by the drawings, specifications, and general scope in written instructions.

Construction, furnishing, labor, materials, tools and equipment not in accordance with the specification approve by the Head of Procuring Entity, may be undone or replaced as the case may be and expenses relative to these shall be done/shouldered by the contractor.

## **6.0 MOBILIZATION/DEMOBILIZATION**

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

Mobilization shall include all activities and associated costs for transportation of contractor's personnel, equipment, and operating supplies to the site; establishment of offices, temporary facilities (if necessary) and other necessary general facilities for the contractor's operations at the site.

Demobilization shall include the disassembly, hauling, removal of debris/rubbish, and site cleanup of painting sites, and other facilities assembled on the site.

Mobilization shall consist of obtaining all required insurance, bonds and permits; preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; preparation of construction schedule; furnishing and erecting field offices, laboratory, batch plants and progressive Program of Work.

Dis-assembled materials useful to the agency shall be entrusted to the Supply Unit of CAAP. Materials considered as waste material shall be supported by a waste disposal report.

## **7.0 CIVIL/STRUCTURAL WORKS**

### **7.01 Site Works**

#### **a. Site Clearing:**

Protection and/or removal of existing structures shall have the approval of the Procuring Entity. The Procuring Entity must be consulted prior to any demolition. Rubbish shall be legally and properly disposed of.

The Building site shall be leveled according to plans and cleared of rubbish, roots and other perishable and objectionable matters to a suitable subgrade. It shall be embanked to reach the natural grade line.

All such unsuitable materials shall be removed from the building site and spread uniformly over the areas adjacent to the proposed building, or otherwise disposed of as may be directed by the Architect or Project Engineer in charge of the construction.

### **7.02 Temporary Facilities**

The General Contractor shall provide all temporary lighting, power, water supply and all necessary facilities sufficient enough for the simultaneous use of all possible fields of work to complete the project.

The General Contractor shall provide the necessary number of warehousemen to ensure security of construction site.

The General Contractor shall provide at necessary no. of units of Fire extinguishers.

The General Contractor shall provide Billboards required by COA and for precautions for Public Safety and other provisions as required by the National Building Code and Building Official.

All others required as discussed in the Pre-Bid Conference or as issued Supplemental Bid Bulletins.

### **7.03 Storage and Filing of Materials**

General Contractor shall ensure that materials are properly turned over and delivered on site in good quality and condition. A time and delivery record shall be available.

General Contractor shall designate and/or allot a space to sub-contractors for storage of their materials and for erection of their sheds and tool houses (if necessary). Materials shall be arranged properly and accordingly in terms of sizes, quality, quantity, category and time of use.

Warehouse shall be maintained properly by a designated person of the General Contractor.

All cement, lime and other materials affected by moisture shall be stored on platforms and protected from weather. Materials shall be stored as to ensure the preservation of their quality and fitness for their work. Stored materials shall be located so as to facilitate prompt inspection.

Should it be necessary at any time to move materials, sheds or storage platforms, the Contractor shall do so at their own expense. Stored materials shall be the responsibility of the Contractor and due actions shall be done during inclement weather conditions. Clearing of the construction site of any debris which may cause hazards shall be done and safety of employees both of the contractor & CAAP shall be of utmost importance.

### **7.04 Excavation**

All excavations shall be made to grade indicated in the drawings. Where the building site is covered with any kind of fill, the excavation for footings should be made deeper until the stratum for safe bearing capacity of the soil is reached.

### **7.05 Backfills**

After concrete for foundations is hard enough to withstand pressure resulting from fills, the materials removed from excavations shall be used for backfill around them.

Backfill and fills shall be placed in layers not exceeding 150mm thickness, and each layer shall be thoroughly compacted by wetting, tamping and rolling.



## **7.06 Concrete Works**

The work includes all materials, labor and equipment for the construction of footings, columns, beams, slabs, & canopy of covered area including cut, bend & place of reinforced steel bars and formworks & scaffolding as per specified on plans. (Materials used and Workmanship must be approved by the Project In-Charge assigned by CAAP).

The following proportions of concrete mixtures shall be used for the various parts of the building:

Columns and footing	-Class A (1:2:4)
Conc. Holl.Blk. footing	-Class A (1:2:4)
Reinf. Conc. Beams and Slabs	-Class A (1:2:4)
Concrete Slab floor on fill	-Class A (1:2:4)

Class A concrete shall be a mixture of 1 part cement, 2 parts fine aggregate and 4 parts coarse aggregate by volume, plus enough clean water to make the mixture into a pliable paste.

The fine aggregate for concrete shall consist of natural sand, or inert materials similar characteristics, having clean, hard and durable grains, free from organic matter or loam.

The coarse aggregate for concrete shall consist of crushed rock of durable and strong qualities, clean and hard gravel. Size of the coarse aggregate to be used shall vary from 20mm to 40mm (3/4"-1-1/2").

All concrete work shall observe the necessary curing period.

## **7.07 Forms for Concrete Works**

All forms for concrete works shall be properly braced or connected together so as to maintain the correct position and shapes of the concrete members. Forms shall be constructed sufficiently tight to prevent bulging and seepage of water.

Forms shall not be removed until the concrete has attained sufficient strength to support its own weight and any loads that may be placed on it. Side forms of beams and girders may be removed earlier than the bottom forms but additional post or shoring must be placed under the beams or girders until they have attained their strength.

## **7.08 Steel Works**

All reinforcing bars indicated for footings, combined footings, columns, slab, cantilevered beams, beams and other concrete members shall all conform to the number, size and spacing as indicated in the drawings or schedule of steel reinforcements.

No metal reinforcement shall be installed in place unless it is free from rust, scale or other coatings, which will destroys or reduce the bond with concrete.

All necessary requirements (eg. water & electricity) for the Fabrication and preparation of materials for the execution of the work shall be at the cost of the contractor.

## **7.09 Concrete Slab/Roofing Slab Works**

Concrete slabs on fill shall be poured on a gravel bed of not less than 100mm thick, each concrete slab course to be poured shall not be more than one meter wide, and each course shall be poured alternately to the indicated floor finish.

### Roofing:

The work includes all materials, labor and equipment for the preparation and installation of Roofing/Ceiling and other supports for the Roofing/Ceiling Work. Materials used shall be according to specified plans as indicated in the drawings. All necessary requirements (eg. water& electricity) for the Fabrication and preparation of materials for the execution of the work shall be at the cost of the contractor.

## **7.10 Concrete Hollow Blocks**

All concrete hollow blocks to be used shall be at least 150mm thick.

The concrete hollow block walls shall be laid, and the cells filled with cement mortar consisting of 1 part Portland cement and 3 parts sand by volume. They shall be reinforced with round deformed bars 10mm at every .60 m and 3<sup>rd</sup> layer of CHB.

The mixture of cement plaster for concrete hollow block wall finishes indicated in the drawing shall be 1 part cement, 1 part lime and 3 parts sand.

## **8.0 ARCHITECTURAL WORKS**

### **8.01 Painting Works**

The painting contractor shall supply all labor, paint materials, tools staging and equipment necessary, and shall perform all painting and finishing work as shown in the schedule of painting and finishing work for the project.

Before any painting is to be done, all surfaces shall be cleaned, smoothed and freed from dust, dirt grease, mortar, rust and other foreign substances. All parts where paint remover has been used shall be washed off with paint or lacquer thinner. All paints shall be spread evenly and carefully.

All paint and paint materials shall be delivered to the building site in unbroken packages, bearing the marks of the specified brand. No adulteration of specified paints with other brand shall be allowed.

Application:

1. All sample paint shall be submitted on at least 300-mm x 300mm plywood panel, color and shade as per approval by the Procuring Entity.
2. Application shall be as per paint Manufacturer's specification and recommendation.
3. Provide all drop cloth and other covering requisite for protection of floors, walls, aluminum, glass, finishes and other works.
4. All applications and methods used shall strictly follow the Manufacturer's Instructions and Specifications. All surfaces including masonry wall shall be thoroughly cleaned, puttied, sandpapered, rubbed and polished; masonry wall shall be treated with Neutralizer.

All exposed finish hardware, lighting fixtures and accessories, glass and the like shall be adequately protected so that these are not stained with paint and other painting materials prior to painting works. All other surfaces endangered by stains and paint marks should be taped and covered with craft paper.

5. Elastomeric paint shall be used for concrete walls (exterior & interior).
6. All painting jobs shall be applied with primer.

### **8.01 Roofing Works (Slab)**

All works shall be done with professional workmanship and according to plan and bill of quantities. Water proofing shall be applied (3 coats) with enough drying time in between coats specified by manufacturer. 25mm thick plaster shall be applied after waterproofing. After curing time, primer (1 coat) and top coat (2 coats) shall be applied.

### **8.03 Tiles**

Before the tiles are laid in place, they shall be thoroughly soaked in water if recommended by the manufacturer. Mortar to be used in setting the tiles shall be referred to manufacturer's recommendations.

Areas for installation of tiles are: Office, Kitchen and CR. It shall use .60x.60m ceramic tile for flooring and 3 layers of .30x.60 m glazed ceramic tile for CR walls.

### **8.04 Ceiling Work**

All ceiling work shall be done according to plan and bill of quantities with quality workmanship.

### **8.05 Doors and Windows**

Doors and door frames shall conform to the sizes, designs and kind of materials shown in the details of doors, schedule of doors or as per the bill of materials.

## **9.0 ELECTRICAL WORKS**

The work includes materials, labor, equipment and performance of all operations to complete the installation of the following; Lighting and Power Conduits & Fitting; Wires & Cables; Electrical Wiring Devices; Lighting Fixtures; Boxes and pull boxes, Panel boards/Circuit Breaker; Feeder/Sub Feeder Conductor; Conduits and Fittings; Ventilation and other miscellaneous materials as per indicated on plan. Electrical works should be tested and commissioned. (Materials used and Workmanship must be approved by the Project In-charge delegated professional).

## General Notes on Electrical Work

1. All electrical equipment shall be properly grounded in accordance with the requirement of the Philippine Electrical Code.
2. All materials to be used shall be new and of approved type for both location and purpose intended.
3. Wires and cables to be used shall be underwriters laboratory (UL) listed.
4. Materials and equipment to be used (Lighting Fixtures, Ballast, Fluorescent-tube, Wiring devices, Circuit breakers, Conduit/Pipes, Enclosures, Wires and cables, (etc.) shall have imported commodity clearance (ICC) label for foreign made products and P.S. mark for local in nature of the Bureau of product standards(BPS)
5. Emergency lights shall be connected to the nearest lighting circuit provided with single outlet.
6. Junction boxes and pull boxes gauge no. 16 (minimum) shall be provided by the contractor whenever required and necessary and shall be installed at convenient space and location to facilitate wire pulling even if these items are not shown in the plan.
7. Panel board shall be flush mounted and shall be equipped with ground kit terminals with number of terminals equal to the number of branch circuits.
8. All branch circuit breakers shall be bolt on type with 10 KAIC minimum or as indicated in the load schedule.
9. All works shall be executed in a workmanship manner and shall present a neat and orderly accepted, all wiring shall be concealed as much as possible.

## 10.0 PLUMBING WORKS

The work includes materials, labor, equipment/tools for installation fixtures, Pipes for sewer lines, water lines, storm drainage and its accessories and fittings as indicated in the plans. (Materials used and Workmanship must be approved by the Project In-charge assigned by CAAP).

All scope of work to this item must be according to plan and specifications and approved by the Project-In-Charge. Quality and types of materials must conform and to be approved by the Project in charge assigned by CAAP.

Septic tank shall be water tight and provided with drainage pit for waste water from sink, lavatory and floor drain.

## **11.0 CONSTRUCTION NOTES**

The contractor shall be compliant to the conditions stated on the “Construction Notes” please refer to “Sheet No. 04-1 of the approved drawings for this project.

## **12.0 CONSTRUCTION SAFETY AND HEALTH**

The contractor shall include a Construction Safety and Health Program for the project by providing Safety Signage and Barricades such as bill boards and warning signs, caution tapes and safety nets. Likewise the necessary gear and protective accessories for workers such as safety helmet, shoes, vest, gloves, boots, harness, lanyard and raincoats if necessary are to be provided. A Safety Practitioner and Health Personnel are required. The Health Personnel shall be full time and is required for the whole duration of the project.

Financial requirement for the Construction Safety and Health Program and provision of bill boards shall be chargeable to the Contractor’s OCM.

The contractor shall be responsible in providing safety perimeter fence for security fences, personal protective equipment (PPE) for staff and workers, and Safety Inspectors or Safety Engineers on site while construction is ongoing. Regular safety reports should be submitted.

The contractor shall be responsible for all laboratory, material testing, environmental compliance certificate (ECC), building and 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.

## **11.0 BILLBOARD**

A tarpaulin billboard shall be put in place near the vicinity of the location of the project after the receipt of Notice of Award.

Tarpaulin: White 8’x8’,

Resolution: 70 dpi

Font: Helvetica

Font Size: Main Information - 3’’; Sub Information - 1’

Font Color: Black

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

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



*Bill of Quantities*

Annex “B” Form 1 .....Bill of Quantities  
Annex “B” Form 2 .....Bid Proposal  
Annex “B” Form 3 .....Detailed Estimate

(Contractor's Logo On Main Page)

**BILL OF QUANTITIES****Project:** Construction Of Gender Neutral Toilet At Bicol International Airport**Location:** Bicol International Airport, Daraga, Albay

Item No	Description	Qty	Unit	Unit Price	Amount
<b>1.00</b>	<b>CIVIL WORKS</b>				
<b>1.01</b>	<b>Site Woks</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>1.02</b>	<b>Concrete Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>1.03</b>	<b>Masonry Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>1.04</b>	<b>Steel Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>1.05</b>	<b>Roofing Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				

Continuation...

<b>1.05</b>	<b>Roofing Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>1.06</b>	<b>Waterproofing</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>2.00</b>	<b>ARCHITECTURAL WORKS</b>				
<b>2.01</b>	<b>Tile &amp; Stone Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>2.02</b>	<b>Carpentry Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>2.03</b>	<b>Painting Works</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>2.04</b>	<b>Doors &amp; Windows</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
<b>3.01</b>	<b>Lighting &amp; Power Conduits &amp; Fittings</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				

*Continuation...*

<b>3.02</b>	<b><i>Wires &amp; Cables</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.03</b>	<b><i>Electrical Wiring &amp; Devices</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.04</b>	<b><i>Lighting Fixtures</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.05</b>	<b><i>Box &amp; Pullboxes</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.06</b>	<b><i>Panelboard</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.07</b>	<b><i>Feeder Conductors</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.08</b>	<b><i>Feeder Conduit &amp; Fittings</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.09</b>	<b><i>Ventilation</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>3.10</b>	<b><i>Termination Accessories</i></b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				

Continuation...

<b>4.00</b>	<b>PLUMBING WORKS</b>				
<b>4.01</b>	<b>Fixtures &amp; Accessories</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>4.02</b>	<b>Sewer Line System</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>4.03</b>	<b>Waterline System</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
<b>4.04</b>	<b>Storm Drainage System</b>				
	Pesos Amount in	1.00	lot		
	Words				
	and centavos				
Total Bid Amount (Php) :					
Total Bid Amount in Words:					
Submitted by:					
Printed Name:					
Position:					
Name Company:					
Date:					

# CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT

## Bicol International Airport, Daraga, Albay

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	Profit	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) (5) x (8)	(10) 5% x ((8) + (9))	(11) (9) + (10)	(12) (5) + (11)	(13) (12)/(3)
1.00	CIVIL WORKS <sup>STRUCTURAL WORKS</sup>											
1.01	SITE WORKS	1.00	lot									
1.02	CONCRETE WORKS	1.00	lot									
1.03	MASONRY WORKS	1.00	lot									
1.04	STEEL WORKS	1.00	lot									
1.05	ROOFING WORKS	1.00	lot									
1.06	WATERPROOFING	1.00	lot									
2.00	ARCHITECTURAL WORKS											
2.01	TILE & STONE WORKS	1.00	lot									
2.02	CARPENTRY WORKS	1.00	lot									
2.03	PAINTING WORKS	1.00	lot									
2.04	DOORS & WINDOWS	1.00	lot									
3.00	ELECTRICAL WORKS											
3.01	LIGHTING & POWER CONDUITS & FITTINGS	1.00	lot									
3.02	WIRES & CABLES	1.00	lot									
3.03	ELECTRICAL WIRING & DEVICES	1.00	lot									
3.04	LIGHTING FIXTURES	1.00	lot									
3.05	BOX & PULL BOXES	1.00	lot									
3.06	PANELBOARD	1.00	lot									
3.07	FEDER CONDUCTORS	1.00	lot									
3.08	FEDER CONDUITS & FITTINGS	1.00	lot									
3.09	VENTILATION	1.00	lot									
3.10	TERMINATION ACCESSORIES	1.00	lot									
4.00	PLUMBING WORKS											
4.01	FIXTURES & ACCESSORIES	1.00	lot									
4.02	SEWER LINE SYSTEM	1.00	lot									
4.03	WATERLINE SYSTEM	1.00	lot									
4.04	STORM DRAINAGE SYSTEM	1.00	lot									
TOTAL AMOUNT							- nothing follows -					

Submitted by:
Printed Name:
Position:
Name Company:
Date:

(Contractor's Logo On Main Page)

**DETAILED ESTIMATE FORM**

NAME OF PROJECT	:	CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT
LOCATION	:	Bicol International Airport, Daraga, Albay
SUBJECT	:	Bill of Materials & Cost Estimate

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>1.00</b>	<b>CIVIL WORKS/STRUCTURAL WORKS</b>				
<b>1.01</b>	<b>SITE WORKS</b>				
1.01.01	Excavation & Backfill				
<b>A</b>	<b>MATERIAL COST</b>				
	Excavation (labor only)	16.00	m <sup>3</sup>		
	Gravel Bedding	2.00	m <sup>3</sup>		
	Backfill (labor only)	13.00	m <sup>3</sup>		
	Common Borrow	11.44	m <sup>2</sup>		
			<b>Material Cost .....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Foreman	1	3		
	Skilled Labor	2	3		
	Common Labor	4	3		
			<b>Labor Cost .....</b>		
1.01.02	Landscaping (5.90m x5.40m)				
<b>A</b>	<b>MATERIAL COST</b>				
	Topsoil	3.00	m <sup>3</sup>		
	Sodding	42.00	m <sup>2</sup>		
			<b>Material Cost .....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Foreman	1	1		
	Skilled Labor	1	1		
	Common Labor	1	1		
			<b>Labor Cost .....</b>		
<b>A</b>	<b>TOTAL MATERIAL COST</b>				
<b>B</b>	<b>TOTAL LABOR COST</b>				
<b>C</b>	<b>TOTAL EQUIPMENT RENTAL COST</b>				-
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

**Continuation...**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>1.00</b>	<b>CIVIL WORKS/STRUCTURAL WORKS</b>				
<b>1.02</b>	<b>CONCRETE WORKS</b>				
<b>A</b>	<b>MATERIAL COST</b>				
	Portland Cement, 40 Kg	179.00	bag		
	Sand	10.00	m³		
	Gravel	20.00	m³		
	16mmØ x6m DRSB	91.00	pc		
	12mmØ x6m DRSB	20.00	pc		
	10mmØ x6m DRSB	188.00	pc		
	#16 GI Tie wire	30.00	kg		
	<i>Formworks and Scaffolding</i>				
	Ordinary plywood, 4'x8'x1/4" thk	17.00	pc		
	Coco lumber, 2"x2"x12'	193.00	bdf		
	Asstd. CWN	4.00	kg		
			<b>Material Cost .....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Foreman	1	22		
	Skilled Labor	2	22		
	Common Labor	4	22		
			<b>Labor Cost .....</b>		
<b>C</b>	<b>EQUIPMENT RENTAL COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	One Bagger Cement Mixer	1	7		
	Concrete Vibrator	1	7		
			<b>Equipment Rental Cost .....</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					



**Continuation...**

ITEM	DESCRIPTION			QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.00	CIVIL WORKS/STRUCTURAL WORKS						
1.03	MASONRY WORKS						
A	MATERIAL COST						
1.03.01	Communal Toilet						
		150mm thk CHB		2343	pc		
		Portland Cement, 40 Kg		243	bag		
		Sand		21	m³		
		12mmØ RSB, 6m		43	pc		
		10mmØ RSB, 6m		31	pc		
		#16 GI Tie Wire		10	kg		
					Material Cost .....		
B	LABOR COST			QTY	DUR. (DAYS)	RATE/DAY	
		Foreman		1	17		
		Skilled Labor		2	17		
		Common Labor		1	17		
					Labor Cost .....		
A	TOTAL MATERIAL COST						
B	TOTAL LABOR COST						
C	TOTAL EQUIPMENT COST						-
D	TOTAL DIRECT COST						
INDIRECT COSTS							
1. OCM			15.0%	of Estimated Direct Cost			
2. CONTRACTOR's PROFIT			10.0%	of Estimated Direct Cost			
E. TOTAL OCM & PROFIT			25.0%	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							

**Continuation...**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>1.00</b>	<b>CIVIL WORKS/STRUCTURAL WORKS</b>				
<b>1.04</b>	<b>STEEL WORKS</b>				
<b>A</b>	<b>MATERIAL COST</b>				
1.04.01	(Louver, Trusses, Purlins)				
	44mm x 44mm x 4.76mm Angular Steel bar, 6m	6.00	pc		
	38mm x 38mm x 4.76mm Angular Steel bar, 6m	3.00	pc		
	100mm x 50mm x 3mm C- Purlins, 6m	9.00	pc		
	38mm x 63mm x 4.76mm Purlins Cleat, 6m	1.00	pc		
	50mm x 50mm x 4mm Tubular Steel, 6m	24.00	pc		
	1 1/2" Ø Stainless Steel Pipe, Sch. 40	3.00	pc		
	10mm Anchor Bolt w/ nuts & washers	13.00	pc		
	Welding rod E6011, (20kg/box)	7.00	box		
	Stainless Welding rod	3.00	kg		
	Oxygen 1/8psi	3.00	cyl		
	Acetylene 250psi	3.00	cyl		
			<b>Material Cost .....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Foreman	1	7		
	Skilled Labor	4	7		
	Common Labor	2	7		
			<b>Labor Cost .....</b>		
<b>C</b>	<b>EQUIPMENT RENTAL COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Welding Machine, 200amp	1	7		
	51-100kw Generator Set	1	7		
	Oxy-Acetylene Cutting Torch/Welding Outfit	1	7		
			<b>Equipment Cost .....</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

Continuation...

ITEM	DESCRIPTION			QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>1.00</b>	<b>CIVIL WORKS/STRUCTURAL WORKS</b>						
1.05	ROOFING WORKS						
<b>A</b>	<b>MATERIAL COST</b>						
		Pre-painted Metal Roofing Sheet GA #26 Long Span		28.00	lnm		
		Pre-painted GI Flashing GA #24 (0.701mmX2.44mm)		7.00	pc		
		Roof Sealant		5.00	tube		
		Tekscrew for metal 2 1/2"		150.00	pc		
					<b>Material Cost. ....</b>		
<b>B</b>	<b>LABOR COST</b>			QTY	DUR. (DAYS)	RATE/DAY	
		Foreman		1	2		
		Skilled Labor		1	2		
		Common Labor		2	2		
					<b>Labor Cost ....</b>		
<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>						
ITEM	DESCRIPTION			QUANTITY	UNIT	UNIT PRICE	AMOUNT
1. OCM		15.0%	of Estimated Direct Cost				
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost				
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>							

**Continuation...**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>1.00</b>	<b>CIVIL WORKS/STRUCTURAL WORKS</b>				
1.06	WATERPROOFING				
<b>A</b>	<b>MATERIAL COST</b>				
	Portland Cement, 40 Kg	33.00	bag		
	Sand	2.00	m³		
	1.8mx6mx3mm Wire mesh	1.00	roll		
	Bituminous primer (16L)	1.00	tin		
	1mx8mx4mmthk pre-fabricated elastoplastomeric waterproofing membranes, granulated	2.00	roll		
	Liquified petroleum gas (11kg)	1.00	cyl		
	Gloves	4.00	pair		
			<b>Material Cost .....</b>		
<b>B</b>	<b>LABOR COST</b>	<b>QTY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	Foreman	1	2		
	Skilled Labor	1	2		
	Common Labor	2	2		
			<b>Labor Cost .....</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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:					
Printed Name:					
Position:					
Name Company:					
Date:					

(Contractor's Logo On Main Page)

**DETAILED ESTIMATE FORM**

NAME OF PROJECT		:	CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT			
LOCATION		:	Bicol International Airport, Daraga, Albay			
SUBJECT		:	Bill of Materials & Cost Estimate			

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>2.00</b>	<b>ARCHITECTURAL WORKS</b>				
2.01	TILE & STONE WORKS				
<b>A</b>	<b>MATERIAL COST</b>				
	600mm x 600mm Matte Finish Floor Tile	86.00	pc		
	300mm x 600mm Homogeneous Tiles - Wall	628.00	pc		
	200mm x 600mm Polish Tile	82.00	pc		
	Decorative Stones, 75mm x 100mm	3.30	m <sup>2</sup>		
	Tile Grout, (5kgs)	24.00	pc		
	Tile/Stone Adhesive, (25kgs)	49.00	pc		
	Tile Cutting Disc	7.00	pc		
				<b>Material Cost. ....</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Foreman	1	10		
	Skilled Labor	3	10		
	Common Labor	3	10		
				<b>Labor Cost ....</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

**Continuation...**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>2.00</b>	<b>ARCHITECTURAL WORKS</b>				
2.02	CARPENTRY WORKS				
<b>A</b>	<b>MATERIAL COST</b>				
2.02.01	Ceiling				
	4.5mm thk FiCem Board, (4' x 8')	14.00	pc		
	25mm x 25mm x 5m Wall Angle	11.00	pc		
	12mm x 38mm x 5m x 0.6mm Carrying Channel	11.00	pc		
	19mm x 50mm x 5m x 0.60mm Single Furring Channel	13.00	pc		
	Suspension Rod 5mm x 3600mm	35.00	pc		
	Suspension G.I Clip	77.00	pc		
	Rod Joiner, full threaded bars	77.00	pc		
	Gun Riveter	2.00	pc		
	Blind rivets 3/8"	200.00	pc		
	Paper Tape 500ft	1.00	pc		
	Tekscrew, 1 1/2"	560.00	pc		
			<b>Material Cost. ....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Foreman	1	2		
	Skilled Labor	2	2		
	Common Labor	2	2		
			<b>Labor Cost .....</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

Continuation...

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>2.00</b>	<b>ARCHITECTURAL WORKS</b>				
2.03	PAINTING WORKS				
<b>A</b>	<b>MATERIAL COST</b>				
2.03.01	Elastomeric Finish Paint (Ceiling, Bullnose, Parapet, Exterior Wall)	141.58	sq.m.		
	Flat Latex Paint	6.00	gal		
	Elastomeric Paint	10.00	gal		
	Concrete Neutralizer	8.00	gal		
	Masonry Putty	6.00	gal		
	Paint Roller with pan 9"	3.00	set		
	Paint Brush 4"	3.00	pc		
	Paint Brush 2"	3.00	pc		
	Rugs	5.00	kg		
	Clear Gloss Varnish	1.00	ltr		
	Sand paper #120	10.00	pc		
2.03.02	Semi-Gloss Paint Finish (Interior Wall)	15.70	sq.m		
	Flat Latex Paint	1.00	gal		
	Semi Gloss Latex Paint	2.00	gal		
	Concrete Neutralizer	1.00	gal		
	Masonry Putty	1.00	gal		
	Paint Roller with pan 9"	1.00	set		
	Paint Brush 4"	2.00	pc		
	Paint Brush 2"	2.00	pc		
	Rugs	5.00	kg		
	Sand paper #120	2.00	pc		
2.03.03	Enamel Epoxy Paint (Tubular Trilles & Louver)	8.39	sq.m		
	Red Oxide Primer	1.00	gal		
	Quick Dry Enamel, White	1.00	gal		
	Paint thinner	1.00	gal		
	Paint Brush 4"	1.00	pc		
	Paint Brush 2"	1.00	pc		
	Rugs	5.00	kg		
	Sand paper #120	2.00	pc		
			<b>Material Cost . . . . .</b>		
<b>B</b>	<b>LABOR COST</b>	<b>QTY</b>	<b>DUR. (DAYS)</b>	<b>RATE/DAY</b>	
	Foreman	1	9		
	Skilled Labor	2	9		
	Common Labor	1	9		
			<b>Labor Cost . . . . .</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

Continuation...

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>2.00</b>	<b>ARCHITECTURAL WORKS</b>				
2.04	DOORS & WINDOWS				
<b>A</b>	<b>MATERIAL COST</b>				
2.04.01	Doors	4	sets		
	D-1 1200mm x 2100mm Single- leaf Swing Out Hollow Core Door, Painted Finish w/ Kick Plate (800mm x 300mm) (with complete door hardware and accessories)	1	set		
	D-2 850mm x 2100mm Single- leaf Swing In Hollow Core Door, Painted Finish w/ Kick Plate (550mm x 300mm) (with complete door hardware and accessories)	1	set		
	D-3 850mm x 2100mm Single- leaf Swing In Hollow Core Door, Painted Finish w/ Kick Plate (550mm x 300mm) (with complete door hardware and accessories)	1	set		
	D-4 850mm x 2100mm Single- leaf Swing In Hollow Core Door, Painted Finish w/ Kick Plate (550mm x 300mm) (with complete door hardware and accessories)	1	set		
2.04.02	Windows	4	sets		
	W-1 2250mm x 600mm Six- bay Sliding Glass Window on Powder Coated Aluminum Frame Aluminum Frame (6mm thk Clear Glass) (with complete window hardware and accessories)	2	set		
	W-2 1200mm x 600mm Three- bay Sliding Glass Window on Powder Coated Aluminum Frame (6mm thk Clear Glass) (with complete window hardware and accessories)	1	set		
	W-3 600mm x 600mm One- bay Sliding Glass Window on Powder Coated Aluminum Frame (6mm thk Clear Glass) (with complete window hardware and accessories)	1	set		
				<b>Material Cost. ....</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Foreman	1	7		
	Skilled Labor/Installer	2	7		
	Common Labor	2	7		
				<b>Labor Cost .....</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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:		
			Printed Name:		
			Position:		
			Name Company:		
			Date:		



(Contractor's Logo On Main Page)

**DETAILED ESTIMATE FORM**

NAME OF PROJECT		:	CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT			
LOCATION		:	Bicol International Airport, Daraga, Albay			
SUBJECT		:	Bill of Materials & Cost Estimate			

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.01	LIGHTING & POWER CONDUITS & FITTINGS				
<b>A</b>	<b>MATERIAL COST</b>				
	15mmØ X 3m Electrical Metallic Tubing, 1/2"	35.00	pc		
	15mmØ Flexible Metal Conduit, 1/2"	20.00	lnm		
	15mmØ EMT Coupling	35.00	pc		
	15mmØ EMT Connector w/ Locknut & Bushing	90.00	pc		
			<b>Material Cost. ....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Electrician	1	2		
	Skilled Labor/Electrician	1	2		
	Common Labor	2	2		
			<b>Labor Cost ....</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

Continuation...

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.02	WIRES & CABLES				
<b>A</b>	<b>MATERIAL COST</b>				
	3.5mm <sup>2</sup> THHN/THW-2 600V 90°C Copper Wire, UL Listed	2.00	roll		
	2.0mm <sup>2</sup> THHN/THW-2 600V 90°C Copper Wire, UL Listed	1.00	roll		
				<b>Material Cost. ....</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Electrician	1	1		
	Skilled Labor/Electrician	1	1		
	Common Labor	4	1		
				<b>Labor Cost ....</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.03	ELECTRICAL WIRING & DEVICES				
<b>A</b>	<b>MATERIAL COST</b>				
	Hand Dryer Outlet (Universal type w/ ground)	4.00	set		
	1-gang Switch, 16A, 250V, wide series w/ mounting strap & device plate cover	4.00	set		
	2-gang Switch, 16A, 250V, wide seires w/ mounting strap & device plate cover	1.00	set		
	3-gang Switch, 16A, 250V, wide seires w/ mounting strap & device plate cover	3.00	set		
				<b>Material Cost. ....</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Skilled Labor/Electrician	1	1		
				<b>Labor Cost ....</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

**Continuation...**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.04	LIGHTING FIXTURES				
<b>A</b>	<b>MATERIAL COST</b>				
	4"Ø recessed type vertical lamp downlight fixture, powder coated white finish steel housing, matte aluminum reflector & full frosted glass cover w/ 1x5W, 500-Lumen warm white LED bulb	2.00	set		
	4"Ø surface mounted vertical lamp downlight fixture, powder coated white finish steel housing, matte aluminum reflector & full frosted glass cover w/ 1x5W, 500-Lumen warm white LED bulb	4.00	set		
	6"Ø recessed type vertical lamp downlight fixture, powder coated white finish steel housing, matte aluminum reflector & full frosted glass cover w/ 1x11W, 1100-Lumen warm white LED bulb	9.00	set	-	-
	4"x12"Ø outdoor wall lamp with die-cast bracket, frosted glass diffuser, waterproof and durable silicone rubber gasket with 2x7.5W warm white LED bulb	2.00	set	-	-
	1.2m T5 LED tube, 18-Watts, 1800-Lumen, warm white and box type set with connecting cable and end cap	5.00	set	-	-
	0.6m T5 LED tube, 10-Watts, 1000-Lumen, warm white and box type set with connecting cable and end cap	1.00	set	-	-
	Heavy Duty Emergency Lamp Dual Optics, 2x5W LED bulb	2.00	set		
			<b>Material Cost. ....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Electrician	1	2		
	Skilled Labor/Electrician	1	2		
	Common Labor	3	2		
			<b>Labor Cost .....</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR's PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

Continuation...

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.05	BOX & PULLBOXES				
<b>A</b>	<b>MATERIAL COST</b>				
	Octagonal Junction Box, Steel Gauge 16	39.00	pc		
	4x2 Utility Box, Steel Gauge 16	12.00	pc		
	Metal Pull Box, 300mmx300mmx100mm, gauge 16	1.00	pc		
				<b>Material Cost . . . . .</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Skilled Labor	1	2		
				<b>Labor Cost . . . . .</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.06	PANELBOARD				
<b>A</b>	<b>MATERIAL COST</b>				
	Main: 100AT, 100AF, 3-Pole, 10KAIC, 230V, 60Hz				
	Branches: 6 - 20AT, 100AF, 2-Pole, 230V, 10KAIC, bolt-on				
	6 - 30AT, 100AF, 2-Pole, 230V, 10KAIC, bolt-on				
	With Grounding Bus Bar, Terminal Lugs and Bolted Dead Front	1.00	assy		
	Enclosure: NEMA-1 Gauge 16, Powder coated gray finish				
				<b>Material Cost . . . . .</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Electrician	1	2		
	Skilled Labor	1	2		
	Common Labor	2	2		
				<b>Labor Cost . . . . .</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

## Continuation...

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.07	FEEDER CONDUCTORS				
<b>A</b>	<b>MATERIAL COST</b>				
	22 mm <sup>2</sup> THHN/THWN-2 x 150m 600V 90°C Copper Wire, UL Listed	3.00	roll		
	8.0 mm <sup>2</sup> THHN/THWN-2 600V 90°C Copper Wire, UL Listed	110.00	lnm		
				<b>Material Cost .....</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Electrician	1	3		
	Skilled Labor	1	3		
	Common Labor	2	3		
				<b>Labor Cost .....</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR's PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>3.00</b>	<b>ELECTRICAL WORKS</b>				
3.08	FEEDER CONDUITS & FITTINGS				
<b>A</b>	<b>MATERIAL COST</b>				
	32mm diameter x 3m PVC	42.00	pc		
	32mm diameter PVC Coupling	42.00	pc		
	32mm diameter PVC Adapter with locknut	2.00	pc		
	32mm diameter PVC Elbow	3.00	pc		
				<b>Material Cost .....</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Electrician	1	5		
	Skilled Labor/Electrician	1	5		
	Common Labor	2	5		
				<b>Labor Cost .....</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR's PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

*Continuation...*

ITEM	DESCRIPTION				QUANTITY	UNIT	UNIT PRICE		AMOUNT	
3.00	ELECTRICAL WORKS									
3.09	VENTILATION									
A	MATERIAL COST									
		14"x14" white ceiling type exhaust fan w/ complete standard accessories, Aluminum vent caps & ducts			5.00	set				
						Material Cost .....				
B	LABOR COST				QTY	DUR. (DAYS)	RATE/DAY			
		Master Electrician			1	1				
		Skilled Labor/Electrician			1	1				
		Common Labor			2	1				
						Labor Cost .....				
A	TOTAL MATERIAL COST									
B	TOTAL LABOR COST									
C	TOTAL EQUIPMENT COST								-	
D	TOTAL DIRECT COST									
INDIRECT COSTS										
1. OCM				15.0%	of Estimated Direct Cost					
2. CONTRACTOR's PROFIT				10.0%	of Estimated Direct Cost					
E. TOTAL OCM & PROFIT				25.0%	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										
ITEM	DESCRIPTION				QUANTITY	UNIT	UNIT PRICE		AMOUNT	
3.00	ELECTRICAL WORKS									
3.10	TERMINATION ACCESSORIES									
A	MATERIAL COST									
		GI Tie Wire Gauge 16			1.00	kg				
		Electrical Tape, 0.016mmx19mm16m			2.00	roll				
		Rubber tape			1.00	roll				
						Material Cost .....				
B	LABOR COST				QTY	DUR. (DAYS)	RATE/DAY			
		Common Labor			1	1				
						Labor Cost .....				
A	TOTAL MATERIAL COST									
B	TOTAL LABOR COST									
C	TOTAL EQUIPMENT COST								-	
D	TOTAL DIRECT COST									
INDIRECT COSTS										
1. OCM				15.0%	of Estimated Direct Cost					
2. CONTRACTOR's PROFIT				10.0%	of Estimated Direct Cost					
E. TOTAL OCM & PROFIT				25.0%	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:					
					Printed Name:					
					Position:					
					Name Company:					
					Date:					

(Contractor's Logo On Main Page)

**DETAILED ESTIMATE FORM**

NAME OF PROJECT	:	CONSTRUCTION OF GENDER NEUTRAL TOILET AT BICOL INTERNATIONAL AIRPORT
LOCATION	:	Bicol International Airport, Daraga, Albay
SUBJECT	:	Bill of Materials & Cost Estimate

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>4.00</b>	<b>PLUMBING WORKS</b>				
4.01	FIXTURES & ACCESSORIES				
<b>A</b>	<b>MATERIAL COST</b>				
	Hand Grab Bar - Stainless Steel anti-bacterial grab bar	1.00	pc		
	24" Straight type anti-bacterial ABS grab bar	2.00	pc		
	12mm thk Phenolic board w/ Fittings for Toilet Partition	12.11	m <sup>2</sup>		
	Water closet - 3/6LPF, vitreous china class "AA", complete w/ fittings, outlet connector set, floor fixing set w/ cap, stop valve, water supply braided flexible hose & anti-bac seat and cover	5.00	pc		
	Urinal Vitreous - Stall type with lever flush mechanism and complete fittings	5.00	pc		
	Bidet spray w/ complete accessories, stainless steel 304, flexible hose 1200 x 1/2 x 1/2 w/ max working pressure of 75psi; spray head 102mmL x 62mmW & handspray wall holder 35mm dia	5.00	set		
	Lavatory Including Fittings & Accessories (American Standard or equivalent)	6.00	set		
	Hand Sanitizer	4.00	pc		
	Hand dryer Automatic 220V AC; 2000 Watts, sensor range	4.00	pc		
	Tissue Holder w/ cover - Stainless, rust-proof, anti-corrosion, the suction cup is made of ABS & PVC material	5.00	pc		
	700mm x 850mm Bevelled Mirror	1.00	pc		
	700mm x 2450mm Bevelled Mirror	1.00	pc		
	Floor drain, 100mm x 100mm, stainless steel	9.00	pc		
	Stainless Ledge	3.00	pc		
	20mm Granite Counter Top	4.00	m <sup>2</sup>		
	Hose Bibb	2.00	set		
			<b>Material Cost. ....</b>		
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Plumber	1	10		
	Skilled Labor	2	10		
	Common Labor	2	10		
			<b>Labor Cost .....</b>		
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					

## Continuation...

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>4.00</b>	<b>PLUMBING WORKS</b>				
4.02	SEWER LINE SYSTEM				
<b>A</b>	<b>MATERIAL COST</b>				
	4" x 3m PVC Pipe, Series 1000	8.00	pc		
	2" x 3m PVC Pipe, Series 1000	20.00	pc		
	2"Ø x 4"Ø PVC Sanitary Tee	15.00	pc		
	2" x 2" PVC Sanitary C- Tee	1.00	pc		
	2"Ø PVC Sanitary Tee	24.00	pc		
	2"Ø x 2"Ø PVC 45deg. Elbow	12.00	pc		
	2"Ø PVC P-trap	13.00	pc		
	2"Ø PVC 90 deg Elbow	9.00	pc		
	Solvent cement	2.00	can		
				<b>Material Cost . . . . .</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Plumber	1	3		
	Skilled Labor	2	3		
	Common Labor	2	3		
				<b>Labor Cost . . . . .</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>4.00</b>	<b>PLUMBING WORKS</b>				
4.03	WATERLINE SYSTEM				
<b>A</b>	<b>MATERIAL COST</b>				
	1"Ø Gate Valve	1.00	pc		
	1"Ø Cast-iron body Water Meter	1.00	pc		
	1"Ø Check Valve	1.00	pc		
	1/2" x 4m PPR Pipe, PN20	14.00	pc		
	1/2" PPR 90 deg. Elbow	32.00	pc		
	1/2" PPR Tee	23.00	pc		
	Teflon tape	10.00	roll		
	1HP booster pump w/ accessories	1.00	set		
	Stainless pressurized water tank 82 gal	1.00	set		
				<b>Material Cost . . . . .</b>	
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Plumber	1	2		
	Skilled Labor	2	2		
				<b>Labor Cost . . . . .</b>	
<b>C</b>	<b>EQUIPMENT RENTAL COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Heat fusing Machine	1	2		
				<b>Equipment Cost . . . . .</b>	
<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		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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>					



**Continuation...**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>4.00</b>	<b>PLUMBING WORKS</b>				
4.04	STORM DRAINAGE SYSTEM				
<b>A</b>	<b>MATERIAL COST</b>				
	4"x3m PVC pipe, Series 1000	6.00	pc		
	2"x3m PVC pipe, Series 1000	5.00	pc		
	4" 90° PVC elbow	1.00	pc		
	2" 90° PVC elbow	8.00	pc		
	4" PVC P-trap	4.00	pc		
	4" dia brass roof drain, dome type with strainer	4.00	set		
	Solvent cement	2.00	cans		
			<b>Material Cost .....</b>		<b>-</b>
<b>B</b>	<b>LABOR COST</b>	QTY	DUR. (DAYS)	RATE/DAY	
	Master Plumber	1	1		
	Skilled Labor	2	2		
	Common Labor	2	2		
			<b>Labor Cost .....</b>		
<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>-</b>
<b>D</b>	<b>TOTAL DIRECT COST</b>				
<b>INDIRECT COSTS</b>					
1. OCM		15.0%	of Estimated Direct Cost		
2. CONTRACTOR'S PROFIT		10.0%	of Estimated Direct Cost		
<b>E. TOTAL OCM &amp; PROFIT</b>		25.0%	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:		
			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

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

**Note: Please refer to GPPB Resolution No. 15-2021, dated 14 October 2021 page 7 of 29**

#### Technical Documents

- ☐ (e) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (f) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (g) Philippine Contractors Accreditation Board (PCAB) License;  
**or**  
Special PCAB License in case of Joint Ventures;  
**and** registration for the type and cost of the contract to be bid; **and**
- ☐ (h) 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 **(Please use Form per GPPB Resolution No. 16-2020); and**
- ☐ (i) Project Requirements, which shall include the following:
- ☐ a. Organizational chart for the contract to be bid;
- ☐ b. List of contractor’s key personnel (*e.g.*, Project Manager, Civil Engineer, Safety Officer, and Construction Foreman), to be assigned to the contract to be bid, with their certificate of employment, and complete qualification and experience data (please see sample forms of Qualification of Key Personnel Proposed to be assigned to the Project, Key Personnel’s Certificate of Employment and Key Personnel Bio Data Form);

- ☐ c. 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; **and**
- ☐ (j) 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.

**(Please use Revised Form per GPPB Resolution No. 16-2020.)**

**Financial Documents**

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

**The computation of a prospective bidder; NFCC must be at least equal to the ABC to be bid, calculated as follows:**

NFCC + [(Current Assets minus Current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the contract to be bid.

The values of the domestic bidder's current assets and current liabilities shall be based on the **latest Audited Financial Statements submitted to the BIR.**

**Class "B" Documents**

- ☐ (m) 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**

- ☐ (n) Original of duly signed and accomplished Financial Bid Form; and
- (o) Bid Proposal (Annex “B” Form 2)

### **Other documentary requirements under RA No. 9184**

- ☐ (p) Original of duly signed Bid Prices in the Bill of Quantities (Annex “B” Form 1);
- ☐ (q) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid (Annex “B” Form 3); and
- ☐ (r) Cash Flow by Quarter.

# ***Bidding Forms Sample***

# 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>12</sup> for this purpose;

<sup>12</sup> currently based on GPPB Resolution No. 09-2020

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, 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].

l. 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: \_\_\_\_\_



# Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

---

## CONTRACT AGREEMENT

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the “Entity”) and *[name and address of Contractor]* (hereinafter called the “Contractor”).

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called “the Works”) and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:

a. Philippine Bidding Documents (PBDs);

i. Drawings/Plans;

ii. Specifications;

iii. Bill of Quantities;

iv. General and Special Conditions of Contract;

v. Supplemental or Bid Bulletins, if any;

b. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;

c. Performance Security;

d. Notice of Award of Contract and the Bidder’s conforme thereto; and

e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid. *GPPB Resolution No. 16-2020, dated 16 September 2020*

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

**IN WITNESS WHEREOF**, the parties thereto have caused this Agreement to be executed the day and year first before written.

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

for:

for:

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

#### **Acknowledgment**

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

**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, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

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

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

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

**10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

**IN WITNESS WHEREOF**, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED  
REPRESENTATIVE]*

*[Insert signatory's legal capacity]*  
Affiant

***[Jurat]***

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

## **Bid Securing Declaration Form**

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

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]*

**AUTHORITY OF SIGNATORY  
(SPECIAL POWER OF ATTORNEY)**

I, \_\_\_\_\_, President of \_\_\_\_\_ (Name of the Bidder), a corporation incorporated under the laws of the Republic of the Philippines with its registered office at \_\_\_\_\_, by virtue of Board Resolution No. \_\_\_\_\_ dated \_\_\_\_\_, has made, constituted and appointed \_\_\_\_\_ true and lawful attorney, for it and its name, place and stead, to do, execute and perform any and all acts necessary and/or represent \_\_\_\_\_ in the bidding of \_\_\_\_\_ (Name of the Project) as fully and effectively as corporation might do if personally present with full power of substitution and revocation and hereby confirming all that said representative shall lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_\_\_ date of \_\_\_\_\_, 20\_\_\_\_ at \_\_\_\_\_.

Signed in the Presence of:

\_\_\_\_\_

**ACKNOWLEDGEMENT**

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

## **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 Civil Engineer, Electrical Engineer, Master Electrician, Safety Officer, and Construction Foreman.

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

### ***Note:***

Organizational Chart must tally with List of contractor's personnel to be assigned to the contract to be bid, with their certificate of employment, and complete qualification and experience data (please see sample forms of Qualification of Key Personnel Proposed to be assigned to the Project, Key Personnel's Certificate of Employment and Key Personnel Bio Data Form).



## Key Personnel's Certificate of Employment

*Date of Issuance*

Head of the Procuring Entity

*Designation*

*Address*

Dear Sir:

I am (Name of Nominee) 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 to it.

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 COMPLETED
_____	_____		
_____	_____		
_____	_____		
_____	_____		

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.

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) thereof, if the contract is awarded to him since I understand that to do so will be a sufficient ground for any disqualification as (Designation) in my future (Name of the Procuring Entity) bidding or employment with any Contractor doing business with the (Name of the Procuring Entity).

\_\_\_\_\_  
(Signature of Personnel)

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.

2. Authorized Managing Officer / Representative

3. Sustained Technical Employee

4. Name: \_\_\_\_\_

5. Date of Birth: \_\_\_\_\_

6. Nationality: \_\_\_\_\_

7. Education and Degrees: \_\_\_\_\_

8. Specialty: \_\_\_\_\_

9. Registration: \_\_\_\_\_

10. Length of Service with the Firm: \_\_\_\_\_ Year from \_\_\_\_\_ (months) \_\_\_\_\_ (year)

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

11. Years of Experience:

12. 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 \_\_\_\_\_

13. Experience:

This should cover the required no. of years of experience. (Attached as many pages as necessary to show involvement of personnel in projects using the format below).

14. Name: \_\_\_\_\_

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

16. Name and Address of the Owner's Engineer (Consultant): \_\_\_\_\_

17. Indicate the Features of Project(particulars of the project components andany other particular interest connected with the project): \_\_\_\_\_

18. Contract Amount Expressed in Philippine Currency: \_\_\_\_\_

19. Position: \_\_\_\_\_
20. Structures for which the employee was responsible: \_\_\_\_\_
21. Assignment Period: from \_\_\_\_\_(months) \_\_\_\_\_(years)  
to \_\_\_\_\_(months) \_\_\_\_\_(years)

\_\_\_\_\_  
Name and Signature of Personnel

It is hereby certified that the above personnel can be assigned to this project, if the contract is awarded to our company.

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

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

(Contractor's Logo on Main Page)  
***Qualification of Key Personnel Proposed to be Assigned to the Project***

Business Name : \_\_\_\_\_  
Business Address : \_\_\_\_\_

	Project Manager/Engineer	Civil Engineer	Foreman	Construction Safety and Health Personnel	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					

Minimum Requirements : Civil Engineer  
: Safety Officer  
: Foreman

Note : Attached individual resume and PRC License of the (professional) personnel.  
Submitted by : \_\_\_\_\_  
(Signature Over Printed Name)

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

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

**Business Name:** \_\_\_\_\_

**Business Address** \_\_\_\_\_

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 Purchase Agreement</u>							
I.							
II.							
III							
IV.							
V							

**List of Minimum equipment required for the project:**

**Note: Attach Proof of Ownership, Leased Agreement or Purchased Agreement**

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

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

CASH FLOW BY QUARTER AND PAYMENT SCHEDULE

PARTICULAR	%WT.	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 Bidder  
  
\_\_\_\_\_  
Date:

