PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

Sixth Edition
July 2020

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the "Works") through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv) the obligations, duties, and/or functions of the winning Bidder.

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

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

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

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

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

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

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

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

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Glossary of 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

Notes on the Invitation to Bid

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

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

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

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

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

d. Any important bid evaluation criteria.

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

REPUBLIC OF THE PHILIPPINES
MUNICIPALITY OF MARIVELES
MARIVELES, BATAAN

Invitation to Bid for *Rehabilitation and Construction of Drainage Canal at Concepcion Street Brgy. Poblacion Mariveles, Bataan*

1. The ***LGU-Mariveles***, through the ***Budget of the Contract Approved by the Sanggunian of 2022*** intends to apply the sum of ***Two Million Pesos (Php2,000,000.00)*** being the Approved Budget for the Contract (ABC) to payments under the contract for ***Rehabilitation and Construction of Drainage Canal at Concepcion Street Brgy. Poblacion Mariveles, Bataan.*** Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The ***LGU-Mariveles*** now invites bids for the above Procurement Project. Completion of the Works is required ***within 55 calendar days upon receipt of the Notice to Proceed.*** Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

4. Interested bidders may obtain further information from ***Secretariat Office/Procurement Unit, Municipal Hall Compound Mariveles, Bataan*** and inspect the Bidding Documents at the address given below from ***8:00-5:00p.m., weekdays except holidays.***

5. A complete set of Bidding Documents may be acquired by interested bidders on A***ugust. 12, 2022 until 10:00a.m. of September 6, 2022*** from given address and website/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 Pesos (Php5,000.00).*** The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.

6. The ***LGU-Mariveles*** will hold a Pre-Bid Conference[1] on ***August 23, 2022 at 10:00a.m.*** at ***BAC Secretariat Office, Municipal Hall Compound Mariveles, Bataan*** and/or through videoconferencing/webcasting *via* ***zoom*** which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before ***12:00 n.n., September 6, 2022.*** Late bids shall not be accepted.

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

8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

9. Bid opening shall be on ***September 6, 2022 at 2:00p.m.*** at the given address below and/or through ***zoom***. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

10. The schedule of the procurement activities shall be as follow:

Procurement Activity	Date and Time	Venue/Remarks
Advertisement / Availability of Bid Documents	August 12, 2022 until 10:00a.m. of September 6, 2022	LGU and PhilGEPS website
Pre-bid Conference	August 23, 2022 at 10:00a.m.	BAC Secretariat Office
Site Inspection	August 24, 2022 at 10:00 a.m.	Concepcion Street Brgy. Poblacion Mariveles, Bataan.
Last day for submission of written clarifications	At least 10 days before the deadline of submission of bids	Bids and Awards Committee Secretariat Office and lgu_bacmariveles@yahoo.com.ph
Last day for issuance of bid bulletins	At Least 7 days before the opening of bids	BAC Secretariat Office, LGU and philGEPS website
Deadline for submission of bids	Until 12:00n.n. of September 6, 2022	BAC Secretariat Office
Opening of Bids	2:00p.m. of September 6, 2022	BAC Secretariat Office

11. The ***LGU-Mariveles*** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:

    Secretariat Office/Procurement Unit
    LGU – Mariveles
    Municipal Hall Compound
    Poblacion Mariveles, Bataan
    Tel. No. (047) 935-4620
    Email address: ***lgu_bacmariveles@yahoo.com.ph***

13. You may visit the following websites:
    For downloading of Bidding Documents: *marivelesbataan.gov.ph*

[Date of Issue]

_____

Engr. Chito L. Riego de Dios
BAC, Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, ***LGU-Mariveles*** invites Bids for the ***Construction of Drainage Canal at Concepcion Street Brgy. Poblacion Mariveles, Bataan*** Project Identification Number ***CW2022-08-002.***

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

2. Funding Information

2.1. The GOP through the source of funding as indicated below for *2022* in the amount of ***Two Million Pesos (Php2,000,000.00).***

2.2. The source of funding is:

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

3. Bidding Requirements

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

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

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

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

5. Eligible Bidders

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

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

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

5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

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

8. Pre-Bid Conference

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

Notes on the Bid Data Sheet (BDS)

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

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

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

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

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

Bid Data Sheet

<table>
<tr><th>ITB Clause</th><th></th></tr>
<tr><td>5.2</td><td>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:

Construction of Drainage Canal. The works shall consist of:
- Billboard and Signages
- Traffic Management
- Construction Health and Safety
- Equipment Mobilization and Demobilization
- Cutting of Concrete
- Removal of Concrete Drainage Structure
- Removal of Existing Concrete Pavement
- Structure Excavation (Common Soil)
- Structural of Concrete Class “A”
- Reinforcing Steel Bars
- Formworks
- Steel and Painting Works
- Site Cleaning

Scope of works in the submitted SLCC which are not listed above shall not be considered in the calculation of the SLCC requirement.</td></tr>
<tr><td>7.1</td><td>Subcontracting is not allowed.</td></tr>
<tr><td>10.3</td><td>Prospective bidders must have at least a license category “AAA and a license classification “Large B” from the Philippine Contractors Accreditation Board (PCAB) for General Engineering (GE-1). The PCAB license must be valid and effective at the time of submission of the bid.</td></tr>
<tr><td>10.4</td><td>The key personnel must meet the required minimum years of experience set below:
<table>
<tr><th>No.</th><th>Key Personnel</th><th>Qualifications/Relevant Experience</th><th>Minimum Required</th></tr>
<tr><td>1</td><td>Project Engineer</td><td>Must be a Licensed Civil Engineer with 5 year minimum experience as Project Engineer for building construction.</td><td>1</td></tr>
<tr><td>2</td><td>Materials Engineer</td><td>Must be a DPWH Accredited Materials Engineer with 1 year minimum experience as Material Engineer</td><td>1</td></tr>
<tr><td>3</td><td>Site Engineer</td><td>(Must be a Licensed Civil Engineer with 5 year minimum experience as Site</td><td>1</td></tr>
</table></td></tr>
</table>

		Engineer for Building Construction	
4	Part-time Safety Officer / Practitioner	Must be a DOLE-accredited Safety Officer for at least five (5) years and with at least three (3) years of experience as DOLE accredited Health and Safety Officer.	1
5	First Aider	Must have a valid "Standard First Aid and Basic Life Support" training certificate issued by Red Cross with at least 1 year experience as first aider	1
6	Foreman	Must have a 3 years minimum experience as a Foreman in building construction	1
7	Carpenters	Must have a 3 years minimum experience as a Carpenter	2
8	Skilled Mason	Must have a 3 years minimum experience as a Mason	2
9	Welder	Must have a 3 years minimum experience as a Welder	2
10	Painters	Must have a 3 years minimum experience as a Painter	2
11	Steelman	Must have a 3 years minimum experience as a Steelman	2

The bidder is not allowed to combine work experiences of two or more personnel in order to meet the required minimum years of experience.

The bidder is not allowed to nominate a person more than once.

The licenses of the nominated key personnel must be valid during the submission of bids.

The list must be supported by the following documents:

1.) Individual resumes to show proof of the following:
   a.) that the proposed personnel meets the required relevant experience;

	b.) list of projects handled with the corresponding position and its inclusive years of experience (e.g. Construction of Roads and/or Site Development Project Manager, 2012-2017). 2.) Photocopy of PRC Licenses/DOLE-OHSC/DPWH Accreditation. Expired PRC License may be accepted provided that the proof for the renewal of application is attached. Valid and renewed PRC license of all key personnel assigned must be submitted during Post-Qualification.
10.5	The minimum major equipment requirements are the following: No. — Type of Equipment — Number of Units 1. Low Bed Trailer w/ Prime Mover — 1 2. Concrete Cutter — 1 3. Jack Hammer — 1 4. Backhoe — 1 5. Bagger mixer — 1 6. Concrete vibrator — 1 7. Water Truck (1000 gal.) — 1 8. Bar Cutter — 1 9. Bar Bender — 1 10. Cargo Truck (10 T, 270hp) — 1 11. Service Vehicle — 1 Acceptable proof of ownership/leased/under purchase agreement: 1.) If owned, supported by proof of ownership such as but not limited to: a.) Official Receipt b.) Deed of Sale c.) OR/CR d.) Sales invoice showing payment of VAT e.) Proforma invoice supported by a Sales Invoice f.) Letter of Credit from bank with attached Purchase Order supported by a Sales Invoice g.) Acknowledgement Receipt from Supplier h.) Commercial Receipt/Commercial Invoice i.) Original Invoice with attached Packing List j.) Bill of Lading k.) Collection Receipt l.) Delivery Receipt and Certificate of Availability of Key Personnel and Equipment to certify its availability for the duration of the project. 2.) If lease, Lease Agreement between lessor and lessee, Proof of Ownership of the Lessor to be included in the Technical Proposal and Certificate of Availability of the Equipment from the Lessor for the duration of the project 3.) If under Purchase Agreement, Purchase Agreement between the bidder and the owner and Certificate of Availability of the Equipment from the vendor for the duration of the project.
11.1	In addition to the Bid form and Bill of Quantities, the following shall be included in the Financial Component: 1.) Detailed estimates, including a summary sheet (Dayworks Form) indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid considering 12% VAT; and

	2.) Cash flow by quarter or payment schedule. Notes: 1.) Bidders with incomplete submission and/or omissions shall be disqualified. 2.) In filling out the bid form, bidders shall provide a discount offer in the form of amount, in figures and in words, including its application and methodology. In case of no discount offered, bidders shall write "none." 3.) For the bill of quantities, in case of any discrepancy/ies between the editable (excel) version and PDF version, the latter shall govern. The BAC and the procuring entity are not responsible for any omissions made by the bidder in accomplishing this form.
12	*[Insert Value Engineering clause if allowed.] ***no further instruction****
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than ***Php40,000.00****[(2%) of ABC]*, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. The amount of not less than ***Php 100,000.00*** *[(5%) of ABC]* if bid security is in Surety Bond.
16	Each bidder shall submit one (1) original hardcopy and two (2) hardcopies of its bid.
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	For purposes of Post-Qualification the following documents(s) shall be required to be submitted within five(5) calendar days from receipt of notice from the BAC: 1.) Income Tax Returns for year 2021 (BIR Form 1701 or 1702); 2.) Latest Value Added Tax Returns (Forms 2550M and 2550Q) or Percentage Tax Returns (Form 2551M) for the last six (6) months (November 2021 – April 2022)before the deadline of the submission of bids. The income tax and business tax returns stated above should have been filed through the Electronic Filing and Payment System (eFPS). 3.) Proof of Ongoing and Awarded Contracts but not yet started as identified in the Statement of All Ongoing Government & Private Contracts, which shall include the following: a.) Notice to Proceed or equivalent; and b.) Certificate of accomplishments signed by the Owner or Owner's Project Engineer or in case the project was just awarded or still in the mobilization stage, a certification in lieu of the certificate of accomplishment signed by the Owner or Owner's Project Engineer should be submitted.

	4.) Valid and updated PhilGEPS Certificate of Registration (Platinum Membership) during opening of bids. 5.) Valid PRC licenses of key personnel assigned (if the bidder opt to submit expired PRC license together with the proof of renewal during the opening of bids. 6.) One (1) softcopy of its original bid in PDF format, in case of discrepancies and technical issues in the submitted drive, it shall not be a ground for disqualification and the original hardcopy shall prevail in terms of its contents. 7.) Detailed Bill of Quantities of Single Largest Completed Contract showing breakdown of cost for categories of works listed under BDS 5.2.
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as: - construction schedule and S-curve; - manpower schedule; - construction methods; - equipment utilization schedule; and - construction safety and health program approved by the DOLE

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

1. Scope of Contract

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

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

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

4.1. 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.

4.2. 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

Notes on the Special Conditions of Contract

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

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

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

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

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

Special Conditions of Contract

GCC Clause	
1	The works shall consist of rehabilitation of construction of drainage canal including: - Billboard and Signages - Traffic Management - Construction Health and Safety - Equipment Mobilization and Demobilization - Cutting of Concrete - Removal of Concrete Drainage Structure - Removal of Existing Concrete Pavement - Structure Excavation (Common Soil) - Structural of Concrete Class "A" - Reinforcing Steel Bars - Formworks - Steel and Painting Works - Site Cleaning
2	Sectional completion is not applicable. The intended completion of the project is within ***fifty-five (55)***calendar days upon receipt of the Notice to Proceed
4.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor upon receipt of the Notice to Proceed.
7.2	[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:] **Five (5) years**.
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's representative within ten (10) calendar days of delivery of the Notice of Award. The Program of Work shall be updated and shall be submitted to Procuring Entity's assigned Project Manager for approval: - On the first working day of the week following a Weekly Accomplishment Report indicating the slippage; and - Together with the request for Variation Orders, either in the form of a change order or extra work order, that shall cover any increase or decrease in the original quantities of the Contract.
11.2	The amount to be withheld for late submission of an updated Program of Work is at least equal to one-tenth (1/10) of one percent (1%) of the cost of the unperformed portion for every day of delay.

<table>
<tr><td>13</td><td>The amount of the advance payment is 15% percent of the contract price.</td></tr>
<tr><td>14</td><td>The terms of payment shall be as follows:

<table>
<tr><th>Payment/Progress Billing</th><th>Description</th><th>Weight</th></tr>
<tr><td>Advance Payment

Accomplishment of 20%</td><td>15% of the contract cost

Contractor may bill 20% of the contract cost</td><td>-

20%</td></tr>
<tr><td>Accomplishment of 40%</td><td>Contractor may bill 20% of the contract cost</td><td>20%</td></tr>
<tr><td>Accomplishment of 50%</td><td>Contractor may bill 10% of the contract cost</td><td>10%</td></tr>
<tr><td>Accomplishment of 60%</td><td>Contractor may bill 10% of the contract cost</td><td>10%</td></tr>
<tr><td>Accomplishment of 70%</td><td>Contractor may bill 10% of the contract cost</td><td>10%</td></tr>
<tr><td>Accomplishment of 80%</td><td>Contractor may bill 10% of the contract cost</td><td>10%</td></tr>
<tr><td>Accomplishment of 90%</td><td>Contractor may bill 10% of the contract cost</td><td>10%</td></tr>
<tr><td>Accomplishment of 100%</td><td>Contractor may bill 10% of the contract cost</td><td>10%</td></tr>
<tr><td></td><td>TOTAL</td><td>100%</td></tr>
</table></td></tr>
<tr><td>15.1</td><td>The As-Built Drawings shall be required before the issuance of a Certificate of Completion.</td></tr>
<tr><td>15.2</td><td>The final payment shall be withheld for failing to submit the complete set of As-Built Drawings.</td></tr>
</table>

Section VI. Specifications

Notes on Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of specifications from previous similar projects are useful in this respect. The use of metric units is mandatory. Most specifications are normally written specially by the Procuring Entity or its representative to suit the Works at hand. There is no standard set of Specifications for universal application in all sectors in all regions, but there are established principles and practices, which are reflected in these PBDs.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

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

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted

subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.

SPECIFICATIONS

ITEM 101 - REMOVAL OF STRUCTURE AND OBSTRUCTION

CONSIST OF THE REMOVAL WHOLLY OR IN PART, AND SATISFACTORY DISPOSAL OF ALL BUILDINGS, FENCES,STRUCTURES, OLD PAVEMENTS, ABANDONED PIPE LINES, AND ANY OTHER OBSTRUCTIONS WHICH ARE NOT DESIGNATED OR PERMITTED TO REMAIN, EXCEPT FOR THE OBSTRUCTIONS TO BE REMOVED AND DISPOSED OFF UNDER OTHER ITEMS IN THE CONTRACT. IT SHALL ALSO INCLUDE THE SALVAGING OF DESIGNATED MATERIALS AND BACKFILLING THE RESULTING TRENCHES, HOLES, AND PITS.

1. REMOVAL OF EXISTING BRIDGES, CULVERTS, AND OTHER DRAINAGE STRUCTURES

IT SHALL BE IN ACCORDANCE WITH ALL THE REQUIREMENTS OF SUBSECTION 101.2.2, REMOVAL OF EXISTING BRIDGES, CULVERTS, AND OTHER DRAINAGE STRUCTURES. 2. REMOVAL OF PIPES OTHER THAN PIPE CULVERTS UNLESS OTHERWISE PROVIDED, ALL PIPES SHALL BE CAREFULLY REMOVED AND EVERY PRECAUTION TAKEN TO AVOID BREAKAGE OR DAMAGED. PIPES TO BE RELAID SHALL BE REMOVED AND STORED WHEN NECESSARY SO THAT THERE WILL BE NO LOSS OF DAMAGE BEFORE RE-LAYING. THE CONTRACTOR SHALL REPLACE SECTIONS LOST FROM STORAGE OR DAMAGE BY NEGLIGENCE, AT HIS OWN EXPENSE.

2. REMOVAL OF EXISTING PAVEMENT, SIDEWALKS, CURBS, ETC.

ALL CONCRETE PAVEMENT, BASE COURSE, SIDEWALKS, CURBS, GUTTERS, ETC., DESIGNATED FOR
REMOVAL, SHALL BE:
(1) BROKEN INTO PIECES AND USED FOR RIPRAP ON THE PROJECT, OR
(2) BROKEN INTO PIECES, THE SIZE OF WHICH SHALL NOT EXCEED 300 MM (12 INCHES) IN ANY DIMENSION AND STOCKPILED AT DESIGNATED LOCATIONS ON THE PROJECT FOR USE BY THE GOVERNMENT, OR
(3) OTHERWISE DEMOLISHED AND DISPOSED OFF AS DIRECTED BY THE ENGINEER. WHEN SPECIFIED, BALLAST,
GRAVEL, BITUMINOUS MATERIALS OR OTHER SURFACING OR PAVEMENT MATERIALS SHALL BE REMOVED AND
STOCKPILED AS REQUIRED IN SUBSECTION 101.2.1, OTHERWISE SUCH MATERIALS SHALL BE DISPOSED OFF AS
DIRECTED.

ITEM 103 - STRUCTURE EXCAVATION

1. EXCAVATION

1.1 THE CONTRACTOR SHALL NOTIFY THE ENGINEER SUFFICIENTLY IN ADVANCE OF THE BEGINNING OF ANY EXCAVATION OF ALL STRUCTURES, SO THAT CROSS-SECTIONAL ELEVATIONS AND MEASUREMENT MAY BE TAKEN ON THE UNDISTURBED GROUND. THE NATURAL GROUND ADJACENT TO THE STRUCTURES SHALL NOT BE DISTURBED WITHOUT PERMISSION OF THE ENGINEER. · PIPE CULVERTS : THE WIDTH OF THE PIPE TRENCH SHALL BE SUFFICIENT TO PERMIT SATISFACTORY JOINTING OF THE PIPE AND THOROUGH TAMPING OF THE BEDDING MATERIAL UNDER AND AROUND THE PIPE. · WIDTH OF EXCAVATION SHALL BE AT LEAST 300 MM (12 INCHES) GREATER THAN THE HORIZONTAL OUTSIDE DIAMETER OF THE PIPE. · THE EXCAVATION BELOW GRADE SHALL BE BACKFILLED WITH SELECTED FINE COMPRESSIBLE MATERIAL, E.G. SILTY CLAY OR LOAM, AND LIGHTLY COMPACTED IN LAYERS NOT OVER 150 MM. (6 INCHES)

1.3 UTILIZATION OF EXCAVATED MATERIALS

- ALL EXCAVATED MATERIALS, SO FAR AS SUITABLE WILL BE UTILIZED AS BACKFILL OR EMBANKMENT. · SURPLUS MATERIALS SHALL BE DISPOSED OFF AS DESIGNATED BY THE ENGINEER. · NO EXCAVATED MATERIALS SHALL BE DEPOSITED AT ANY TIME TO ENDANGER THE PARTLY

FINISHED STRUCTURE.

1.3 BACKFILL AND EMBANKMENT FOR STRUCTURES OTHER THAN PIPE CULVERTS

- EMBANKMENT AND BACKFILLING SHALL BE LAYER BY LAYER NOT OVER 150 MM. (6 INCHES) IN THICKNESS UP TO THE LEVEL OF ORIGINAL GROUND.

ITEM 404 - REINFORCING STEEL BARS

THIS ITEM SHALL CONSIST OF FURNISHING, BENDING, FABRICATING AND PLACING OF STEEL REINFORCEMENT OF THE TYPE, SIZE, SHAPE AND GRADE REQUIRED IN ACCORDANCE WITH THIS SPECIFICATION AND IN CONFORMITY WITH THE REQUIREMENTS SHOWN ON THE PLANS OR AS AS DIRECTED BY THE ENGINEER.

MATERIAL REQUIREMENTS

· REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ITEM 730, REINFORCING STEEL AND WIRE ROPE.

ITEM 405 - STRUCTURAL CONCRETE

THIS ITEM SHALL CONSIST OF FURNISHING, BENDING,PLACING AND FINISHING CONCRETE IN ALL STRUCTURES EXCEPT PAVEMENTS IN ACCORDANCE WITH THIS SPECIFICATION AND CONFORMING TO THE LINES, GRADES, AND DIMENSIONS SHOWN ON THE PLANS. CONCRETE SHALL CONSIST OF A MIXTURE OF PORTLAND CEMENT, FINE AGGREGATE, COARSE AGGREGATE, ADMIXTURE WHEN SPECIFIED, AND WATER MIXED IN THE PROPORTIONS SPECIFIED OR APPROVED BY THE ENGINEER. THE CLASSES OF CONCRETE WILL GENERALLY BE USED AS FOLLOWS:

CLASS A - ALL SUPERSTRUCTURES AND HEAVILY REINFORCED SUBSTRUCTURES. THE IMPORTANT PARTS OF THE STRUCTURE INCLUDED ARE SLABS, BEAMS, GIRDERS, COLUMNS, ARCH RIBS, BOX CULVERTS, REINFORCED ABUTMENTS, RETAINING WALLS, AND REINFORCED FOOTINGS.

MATERIAL REQUIREMENTS

PORTLAND CEMENT - IT SHALL CONFORM TO ALL THE REQUIREMENTS OF SUBSECTION 311.2.1.
FINE AGGREGATE - IT SHALL CONFORM TO ALL THE REQUIREMENTS OF SUBSECTION 311.2.2.
COARSE AGGREGATE - IT SHALL CONFORM ALL THE REQUIREMENTS OF SUBSECTION 311.2.3 EXCEPT THAT GRADATION SHALL CONFORM TO TABLE 405.1.

ITEM 503 - DRAINAGE STEEL GRATING

THIS ITEM SHALL CONSISTS* OF FURNISHING ALL MATERIALS, TOOLS AND EQUIPMENT INCLUDING LABOR REQUIRED IN UNDERTAKING THE PROPER APPLICATION OF STEEL GRATING AS SHOWN ON THE APPROVED PLANS AND IN ACCORDANCE WITH THIS SPECIFICATION.

ITEM 709 - PAINTS

THIS ITEM COVERS ALL PAIN MATERIALS INCLUDING VEHICLES, PIGMENTS, PASTES, DRIERS AND MIXED PAINTS FOR STEEL AND WOODEN STRUCTURES.

MATERIAL REQUIREMENTS

IT SHALL CONFORM TO ALL THE REQUIREMENTS OF SUBSECTION 709.2.1

ITEM 414 - FORMS AND FALSEWORKS

THIS ITEM SHALL CONSIST OF DESIGNING, CONSTRUCTING AND REMOVING FORMS AND FALSEWORKS TO TEMPORARILY SUPPORT CONCRETE, GIRDERS AND OTHER STRUCTURAL ELEMENTS UNTIL THE STRUCTURE IS COMPLETED TO THE POINT IT CAN SUPPORT ITSELF.

MATERIAL REQUIREMENTS

FORMSWORKS - IT SHALL CONFORM TO ALL THE REQUIREMENTS OF SUBSECTION 414.2.1
FORMSWORKS ACCESSORIES - IT SHALL CONFORM TO ALL THE REQUIREMENTS OF SUBSECTION414.2.1.1

Section VII. Drawings

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

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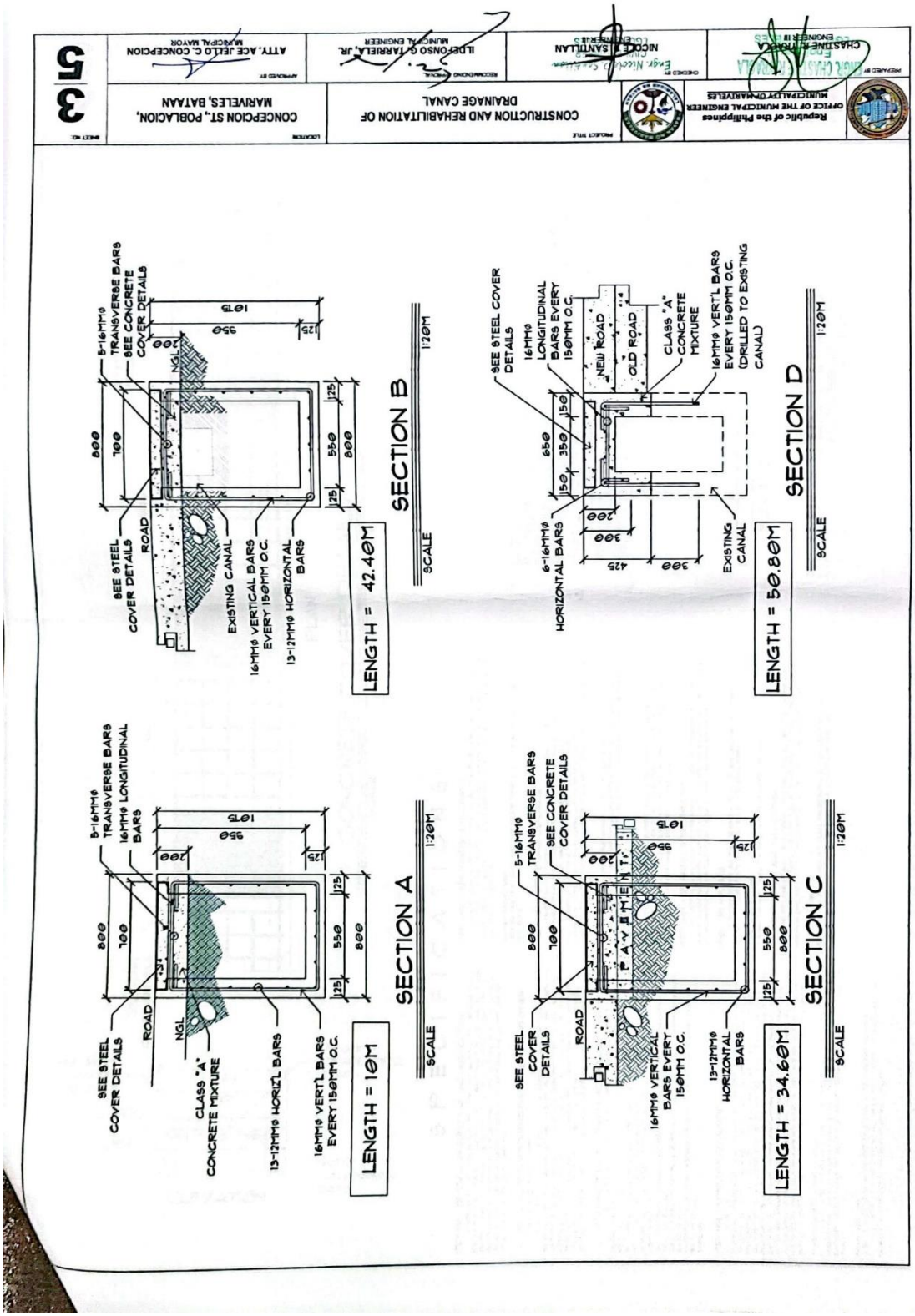

SECTION A
SCALE 1:20M
LENGTH = 10M
SEE STEEL COVER DETAILS
ROAD
NGL
CLASS "A" CONCRETE MIXTURE
13-12MMØ HORIZ'L BARS
16MMØ VERT'L BARS EVERY 150MM O.C.
5-16MMØ TRANSVERSE BARS
16MMØ LONGITUDINAL BARS
SECTION B
SCALE 1:20M
LENGTH = 42.40M
SEE STEEL COVER DETAILS
ROAD
EXISTING CANAL
16MMØ VERTICAL BARS EVERY 150MM O.C.
13-12MMØ HORIZONTAL BARS
5-16MMØ TRANSVERSE BARS
SEE CONCRETE COVER DETAILS
SECTION C
SCALE 1:20M
LENGTH = 34.60M
SEE STEEL COVER DETAILS
ROAD
16MMØ VERTICAL BARS EVERY 150MM O.C.
13-12MMØ HORIZONTAL BARS
5-16MMØ TRANSVERSE BARS
SEE CONCRETE COVER DETAILS
SECTION D
SCALE 1:20M
LENGTH = 50.80M
SEE STEEL COVER DETAILS
16MMØ LONGITUDINAL BARS EVERY 150MM O.C.
NEW ROAD
OLD ROAD
CLASS "A" CONCRETE MIXTURE
16MMØ VERT'L BARS EVERY 150MM O.C. (DRILLED TO EXISTING CANAL)
6-16MMØ HORIZONTAL BARS
EXISTING CANAL
CONSTRUCTION AND REHABILITATION OF DRAINAGE CANAL
CONCEPCION ST., POBLACION, MARIVELES, BATAAN
ATTY. ACE JELLO C. CONCEPCION
MUNICIPAL MAYOR
ILDEFONSO G. TARRIELA, JR.
MUNICIPAL ENGINEER
NICOLE B. SANTILLAN
Republic of the Philippines
OFFICE OF THE MUNICIPAL ENGINEER
MUNICIPALITY OF MARIVELES
3
5

Republic of the Philippines
OFFICE OF THE MUNICIPAL ENGINEER
MUNICIPALITY OF MARIVELES

CONSTRUCTION AND REHABILITATION OF DRAINAGE CANAL

CONCEPCION ST., POBLACION, MARIVELES, BATAAN

4/5

CASTINE R. MARCIA
Engineer

NICOLE D. SANTILLAN
Engineer III

ILDEFONSO G. TARRIELA, JR.
MUNICIPAL ENGINEER

ATTY. ACE JELLO C. CONCEPCION
MUNICIPAL MAYOR

SPECIFICATIONS

ITEM 101 - REMOVAL OF STRUCTURE AND OBSTRUCTION

ITEM 404 - REINFORCING STEEL BARS

ITEM 405 - STRUCTURAL CONCRETE

ITEM 503 - DRAINAGE STEEL GRATING

ITEM 105 - PAINTS

ITEM 313 - STRUCTURE EXCAVATION

ITEM 404 - FORMS AND FALSEWORKS

CONCRETE COVER DETAILS
SCALE 1:20M

PLAN

ELEVATION

5-16MMØ TRANSVERSE BARS

16MMØ LONGITUDINAL BARS

SEE STEEL COVER DETAILS

1500

1500

888

856

SEE STEEL COVER DETAILS

ROAD

NGL

888

881

5-16MMØ TRANSVERSE BARS

16MMØ LONGITUDINAL BARS

ELEVATION

100

575

PLAN

1" X 3" ANGLE BAR PAINTED WITH 2 COAT OF EPOXY PRIMER

2MM G.I. PERFORATED METAL SHEET (¼" HOLES)

1" X 3" ANGLE BAR PAINTED WITH 2 COAT OF EPOXY PRIMER

ELEVATION

STEEL COVER DETAILS
SCALE 1:15M

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Republic of the Philippines
OFFICE OF THE MUNICIPAL ENGINEER
MUNICIPALITY OF MARIVELES
CONSTRUCTION AND REHABILITATION OF
DRAINAGE CANAL
CONCEPCION ST., POBLACION,
MARIVELES, BATAAN
4
5
SPECIFICATIONS
CONCRETE COVER DETAILS
SCALE 1:20M
PLAN
ELEVATION
STEEL COVER DETAILS
SCALE 1:15M
PLAN
ELEVATION
5-16MMØ TRANSVERSE BARS
16MMØ LONGITUDINAL BARS
SEE STEEL COVER DETAILS
ROAD
NGL

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and

b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.

b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

PROGRAM OF WORKS / BUDGET COST
REHABILITATION AND CONSTRUCTION OF DRAINAGE CANAL AT CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN

IMPLEMENTING OFFICE:	MUNICIPAL ENGINEER'S OFFICE	IMPLEMENTATION PROCEDURES:	( )	ADMIN.
NAME OF PROJECT:	REHABILITATION AND CONSTRUCTION OF DRAINAGE CANAL		(✓)	CONTRACT
LOCATION:	CONCEPCION ST., POBLACION, MARIVELES, BATAAN	CALENDAR DAYS TO COMPLETE:	55	DAYS
APPROPRIATION/ AMOUNT:	2,000,000.00			

SUMMARY / ESTIMATED COST

ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QTY.	UNIT PRICE	TOTAL AMOUNT
SPL-I	Billboards and Signages	2.49%	l.s.	all	38,370.13	38,370.13
SPL-II	Traffic Management	4.53%	l.s.	all	69,750.00	69,750.00
SPL-III	Construction Health and Safety	4.47%	l.s.	all	68,850.00	68,850.00
SPL-IV	Equipment Mobilization and Demobilization	1.94%	l.s.	all	29,900.00	29,900.00
101-5	Cutting of Concrete	1.38%	m.	179.40	118.31	21,225.00
101(2)	Removal of Concrete Drainage Structure	0.39%	cum.	3.39	1,768.87	6,000.00
101(3)a	Removal of Existing Concrete Pavement	0.31%	sqm.	94.46	51.35	4,850.00
103(1)a	Structure Excavation (Common Soil)	0.88%	cum.	57.34	235.43	13,500.00
405	Structural Concrete Class "A"	15.12%	cum.	41.25	5,646.02	232,925.25
404	Reinforcing Steel Bars	24.74%	kg.	6342.62	60.10	381,211.00
SPL-V	Formworks	13.31%	l.s.	all	205,012.50	205,012.50
311	Steel and Painting Works	30.24%	l.s.	all	465,955.88	465,955.88
SPL-VI	Site Cleaning	0.21%	l.s.	all	3,200.00	3,200.00
	TOTAL	100.00%				1,540,749.75

BREAKDOWN ESTIMATED COST:		AMOUNT
A. DIRECT COST:		
1.	Materials	1,111,055.75
2.	Labor	87,294.00
3.	Equipment	342,400.00
	Sub-Total	1,540,749.75
B. INDIRECT COST:		
1.	O.C.M. (Quality Control, others) (11.50%)	157,440.72
	a.) Engineering Supervision (3.5%)	151,084.98
2.	Contractor's Profit (10%)	47,916.74
	Sub-Total	356,442.44
C. V A T (5%):		94,859.61
D. GRAVEL TAX		9,095.63
	TOTAL AMOUNT OF PROJECT	2,001,147.42
	SAY	2,000,000.00

Prepared By:

CHASTINE R. ZAOLA
Engineer III

Checked By:

NICOLE D. SANTILLAN
Engineer II

Recommending Approval:

ILDEFONSO G. TARRIELA, JR.
Municipal Engineer

Approved:

ATTY. ACE JELLO C. CONCEPCION
Municipal Mayor

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APPROVED BUDGET FOR THE CONTRACT
REHABILITATION AND CONSTRUCTION OF DRAINAGE CANAL
CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN
Project Name and Location

Item No.	Description	Quantity	Unit	Estimated Direct Cost	Mark-up in Percent OCM	Profit	ES	Total Mark-up %	Value	Value Added Tax	Total Gravel Tax	Total Cost
{1}	{2}	{3}	{4}	{5}	{6}	{7}	{8}	{9}	{10}	{11}	{12}	{13}
								{6}+{7}+{8}	{5} x {9}	5%{5}+{10}		{5}+{10}+{11}+{12}
SPL-I	Billboards and Signages	all	l.s.	38,370.13	11.5%	10%	3.5%	25%	9,592.53	2,398.13		50,360.79
SPL-II	Traffic Management	all	l.s.	69,750.00		10%		10%	6,975.00	3,836.25		80,561.25
SPL-III	Construction Health and Safety	all	l.s.	68,850.00		10%		10%	6,885.00	3,786.75		79,521.75
SPL-IV	Equipment Mobilization and Demobilization	all	l.s.	29,900.00				0%	-	1,495.00		31,395.00
101-5	Cutting of Concrete	179.4	m.	21,225.00	11.5%	10%	3.5%	25%	5,306.25	1,326.56		27,857.81
101(2)	Removal of Concrete Drainage Structure	3.392	cum.	6,000.00	11.5%	10%	3.5%	25%	1,500.00	375.00		7,875.00
101(3)a	Removal of Existing Concrete Pavement	94.455	sqm.	4,850.00	11.5%	10%	3.5%	25%	1,212.50	303.13		6,365.63
103(1)a	Structure Excavation (Common Soil)	57.3425	cum.	13,500.00	11.5%	10%	3.5%	25%	3,375.00	843.75		17,718.75
405	Structural Concrete Class "A"	41.2548	cum.	232,925.25	11.5%	10%	3.5%	25%	58,231.31	14,557.83	9,095.63	314,810.02
404	Reinforcing Steel Bars	6342.62	kg.	381,211.00	11.5%	10%	3.5%	25%	95,302.75	23,825.69		500,339.44
SPL-V	Formworks	all	l.s.	205,012.50	11.5%	10%	3.5%	25%	51,253.13	12,813.28		269,078.91
311	Steel and Painting Works	all	l.s.	465,955.88	11.5%	10%	3.5%	25%	116,488.97	29,122.24		611,567.09
SPL-VI	Site Cleaning	all	l.s.	3,200.00		10%		10%	320.00	176.00		3,696.00
				1,540,749.75						94,859.61		2,001,147.42

Prepared by:
ENGR. CHAUTHIER R. YRAOLA
CHASTINE R. YRAOLA
Engineer III
LGU MARIVELES

Checked by:
Engr. Nicole A. Santillan
NICOLE A. SANTILLAN
Engineer
CIVIL ENGINEER
LGU MARIVELES

Recommending Approval:
ILDEFONSO G. TARRIELA, JR.
Municipal Engineer

Approved:
ATTY. ACE JELLO C. CONCEPCION
Municipal Mayor

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BILL OF MATERIALS AND LABOR FOR THE REHABILITATION AND CONSTRUCTION OF DRAINAGE CANAL AT CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN

A. **SCOPE OF WORK**

a. Billboards and Signages
b. Traffic Management
c. Construction Health and Safety
d. Equipment Mobilization and Demobilization
e. Cutting of Concrete
f. Removal of Concrete Drainage Structure
g. Removal of Existing Concrete Pavement
h. Structure Excavation (Common Soil)
i. Structural Concrete Class "A"
j. Reinforcing Steel Bars
k. Formworks
l. Steel and Painting Works
m. Site Cleaning

B. **DETAILED COST ESTIMATES**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
SPL-I	Billboards and Signages				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	Tarpaulin	64	sqft	₱ 22.00	₱ 1,408.00
	1/4" thk. Marine Plywood	2	pcs	515.00	1,030.00
	2" x 3" Coco Lumber	43	bdft	36.75	1,580.25
	2" x 2" Coco Lumber	22	bdft	36.75	808.50
	Pre Fabricated Bollards with reflectorized t	34	pcs	440.00	14,960.00
	Caution Tape (3" x 300m)	1	pc	700.00	700.00
	4' x 2' Road Signage made of Coco Lumber, Marine Plywood and Tarpaulin	6	pc	630.00	3,780.00
	Consumables (assorted nails,tiewire,etc....)	1	lot	4,303.38	4,303.38
				sub-total	₱ 28,570.13
	B. EQUIPMENT EXPENSES				
		none			
	C. LABOR COST				
1	Construction Foreman	2	m-day	₱ 650.00	₱ 1,300.00
2	Skilled Laborer/Equipment Operator	2	m-day	550.00	2,200.00
7	Laborer	2	m-day	450.00	6,300.00
				sub-total	₱ 9,800.00

SUMMARY OF COST

A. MATERIAL COST	₱	28,570.13
B. EQUIPMENT EXPENSES		-
C. LABOR COST		9,800.00
DIRECT COST	₱	**38,370.13**

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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
SPL-II	**Traffic Management**				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	Flags (red and green)	2	pcs	₱ 75.00	₱ 150.00
	Reflectorized Traffic Vest	2	pcs	350.00	700.00
				sub-total	₱ 850.00
	B. EQUIPMENT EXPENSES	none			
	C. LABOR COST				
	2 Laborer	53	m-day	₱ 650.00	₱ 68,900.00
				sub-total	₱ 68,900.00

SUMMARY OF COST

A. MATERIAL COST	₱	850.00
B. EQUIPMENT EXPENSES		-
C. LABOR COST		68,900.00
DIRECT COST	₱	**69,750.00**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
SPL-III	**Construction Health and Safety**				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	Safety Helmet	14	set	₱ 450.00	₱ 6,300.00
	Safety Shoes/Boots	14	pair	1,000.00	14,000.00
	Reflectorized Safety Vest	14	pcs	350.00	4,900.00
	Hand Gloves	14	pair	50.00	700.00
				sub-total	₱ 25,900.00
	B. EQUIPMENT EXPENSES	none			
	C. LABOR COST				
	1 Part Time Safety Officer/Practitioner	28	m-day	₱ 650.00	₱ 18,200.00
	1 First Aider	55	m-day	450.00	24,750.00
				sub-total	₱ 42,950.00

SUMMARY OF COST

A. MATERIAL COST	₱	25,900.00
B. EQUIPMENT EXPENSES		-
C. LABOR COST		42,950.00
DIRECT COST	₱	**68,850.00**

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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
SPL-IV	**Equipment Mobilization and Demobilization**				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	B. EQUIPMENT EXPENSES	none			
	1 Low Bed Trailer w/ Prime Mover	2	w-day	₱ 14,400.00	₱ 28,800.00
				sub-total	₱ 28,800.00
	C. LABOR COST				
	1 Skilled Laborer/Equipment Operator	2	m-day	₱ 550.00	₱ 1,100.00
				sub-total	₱ 1,100.00

SUMMARY OF COST

A. MATERIAL COST	₱ -
B. EQUIPMENT EXPENSES	28,800.00
C. LABOR COST	1,100.00
DIRECT COST	₱ **29,900.00**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
101-5	**Cutting of Concrete**				
	Length = 179 m.				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)"				
	B. EQUIPMENT EXPENSES	none			
	1 Concrete Cutter	18.8	w-hours	₱ 562.50	₱ 10,575.00
				sub-total	₱ 10,575.00
	C. LABOR COST				
	1 Construction Foreman	3	m-days	₱ 650.00	₱ 1,950.00
	2 Skilled Laborer/Equipment Operator	3	m-days	550.00	3,300.00
	4 Laborer	3	m-days	450.00	5,400.00
				sub-total	₱ 10,650.00

SUMMARY OF COST

A. MATERIAL COST	₱ -
B. EQUIPMENT EXPENSES	10,575.00
C. LABOR COST	10,650.00
DIRECT COST	₱ **21,225.00**
UNIT COST	₱ **118.31**

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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
101(2)	Removal of Concrete Drainage Structure				
	Volume= 3.39 cum				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	none				
	B. EQUIPMENT EXPENSES				
	1 Jack Hammer	6.9	w-hours	₱ 500.00	₱ 3,450.00
				sub-total	₱ 3,450.00
	C. LABOR COST				
	1 Construction Foreman	1	m-days	₱ 650.00	₱ 650.00
	1 Skilled Laborer/Equipment Operator	1	m-days	550.00	550.00
	3 Laborer	1	m-days	450.00	1,350.00
				sub-total	₱ 2,550.00
	SUMMARY OF COST				
	A. MATERIAL COST				₱ -
	B. EQUIPMENT EXPENSES				3,450.00
	C. LABOR COST				2,550.00
				DIRECT COST	₱ 6,000.00
				UNIT COST	₱ 1,768.87

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
101(3)a	Removal of Existing Concrete Pavement				
	Area = 94.5 sq.m.				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	none				
	B. EQUIPMENT EXPENSES				
	1 Jack Hammer	4.4	w-hours	₱ 500.00	₱ 2,200.00
				sub-total	₱ 2,200.00
	C. LABOR COST				
	1 Construction Foreman	1	m-days	₱ 650.00	₱ 650.00
	2 Skilled Laborer/Equipment Operator	1	m-days	550.00	1,100.00
	2 Laborer	1	m-days	450.00	900.00
				sub-total	₱ 2,650.00
	SUMMARY OF COST				
	A. MATERIAL COST				₱ -
	B. EQUIPMENT EXPENSES				2,200.00
	C. LABOR COST				2,650.00
				DIRECT COST	₱ 4,850.00
				UNIT COST	₱ 51.35

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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
103(1)a	Structure Excavation (Common Soil)				
	Volume = 57.34 cum				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	none				
	B. EQUIPMENT EXPENSES				
1	Backhoe	7	w-hour	₱ 1,500.00	₱ 10,500.00
				sub-total	₱ 10,500.00
	C. LABOR COST				
1	Construction Foreman	1	m-days	₱ 650.00	₱ 650.00
1	Skilled Laborer/Equipment Operator	1	m-days	550.00	550.00
4	Laborer	1	m-days	450.00	1,800.00
				sub-total	₱ 3,000.00
	SUMMARY OF COST				
	A. MATERIAL COST				₱ -
	B. EQUIPMENT EXPENSES				10,500.00
	C. LABOR COST				3,000.00
				DIRECT COST	₱ **13,500.00**
				UNIT COST	₱ **235.43**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
405	Structural Concrete Class "A"				
	Volume = 41.3 cum				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	40kg Portland Cement	476	bags	₱ 241.50	₱ 114,954.00
	Washed Sand	22.5	cum	892.50	20,081.25
	3/4" Gravel	45	cum	1,575.00	70,875.00
				sub-total	₱ 205,910.25
	B. EQUIPMENT EXPENSES				
1	One Bagger Mixer	3	w-days	₱ 1,200.00	₱ 3,600.00
1	Concrete Vibrator	0.3	w-days	19,600.00	5,880.00
1	Water Truck (1000 gal.)	3	w-days	700.00	2,100.00
	Minor Tools (5% of Labor)				735.00
				sub-total	₱ 12,315.00
	C. LABOR COST				
1	Construction Foreman	3	m-days	₱ 650.00	₱ 1,950.00
2	Skilled Laborer/Equipment Operator	3	m-days	550.00	3,300.00
7	Laborer	3	m-days	450.00	9,450.00
				sub-total	₱ 14,700.00
	SUMMARY OF COST				
	A. MATERIAL COST				₱ 205,910.25
	B. EQUIPMENT EXPENSES				12,315.00
	C. LABOR COST				14,700.00
				DIRECT COST	₱ **232,925.25**
				UNIT COST	₱ **5,646.02**
				GRAVEL TAX	₱ **9,095.63**

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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
404	**Reinforcing Steel Bars**				
	Weight =	6342.62	kg		
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	16mmØ x 6m RSB	614	pcs	₱ 472.50	₱ 290,115.00
	12mmØ x 6m RSB	217	pcs	273.00	59,241.00
	G.I. Tie Wire	72	kg	115.50	8,316.00
				sub-total	₱ 357,672.00
	B. EQUIPMENT EXPENSES				
	1 Bar Cutter	2	w-days	₱ 1,750.00	₱ 3,500.00
	1 Bar Bender	2	w-days	2,800.00	5,600.00
	1 Cargo Truck (10 T, 270 Hp)	0.6	w-days	1,065.00	639.00
				sub-total	₱ 9,739.00
	C. LABOR COST				
	1 Construction Foreman	4	m-days	₱ 650.00	₱ 2,600.00
	1 Skilled Laborer/Equipment Operator	4	m-days	550.00	2,200.00
	5 Laborer	4	m-days	450.00	9,000.00
				sub-total	₱ 13,800.00
	SUMMARY OF COST				
	A. MATERIAL COST				₱ 357,672.00
	B. EQUIPMENT EXPENSES				9,739.00
	C. LABOR COST				13,800.00
				DIRECT COST	₱ **381,211.00**
				UNIT COST	₱ **60.10**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
SPL-V	**Formworks**				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	1/2" Marine Plywood	64	pcs	₱ 924.00	₱ 59,136.00
	2" x 2" Good Lumber	1260	pcs	71.40	89,964.00
	CWN	12.5	kg	105.00	1,312.50
				sub-total	₱ 150,412.50
	B. EQUIPMENT EXPENSES				
	Minor Tools (5% of Labor)				₱ 2,600.00
				sub-total	₱ 2,600.00
	C. LABOR COST				
	1 Construction Foreman	13	w-days	₱ 650.00	₱ 8,450.00
	2 Skilled Laborer/Equipment Operator	13	w-days	550.00	14,300.00
	5 Laborer	13	w-days	450.00	29,250.00
				sub-total	₱ 52,000.00
	SUMMARY OF COST				
	A. MATERIAL COST				₱ 150,412.50
	B. EQUIPMENT EXPENSES				2,600.00
	C. LABOR COST				52,000.00
				DIRECT COST	₱ **205,012.50**

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ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
311	**Steel and Painting Works**				
	A. MATERIALS (Delivered @ CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
	3" x 1/4" Angle Bar	89	pcs	₱ 2,572.50	₱ 228,952.50
	Welding Rod	7	pcs	152.25	1,065.75
	3/8" hole x 2mm thick BI Perforated Sheet	17	pcs	4,830.00	82,110.00
	Epoxy Primer with Catalyst	20	gal	908.25	18,165.00
	Misc. Expenses (Cutting disc, etc)	1	lot	11,447.63	11,447.63
				sub-total	₱ 341,740.88
	B. EQUIPMENT EXPENSES				
	Minor Tool (5% Labor)				5,915.00
				sub-total	₱ 5,915.00
	C. LABOR COST				
1	Construction Foreman	26	m-day	₱ 650.00	₱ 16,900.00
3	Skilled Laborer/Equipment Operator	26	m-day	550.00	42,900.00
5	Laborer / Helper	26	m-day	450.00	58,500.00
				sub-total	₱ 118,300.00

SUMMARY OF COST

A. MATERIAL COST	.....	₱ 341,740.88
B. EQUIPMENT EXPENSES	.....	5,915.00
C. LABOR COST	.....	118,300.00
	DIRECT COST	₱ **465,955.88**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
SPL-VI	**Site Cleaning**				
	A. MATERIALS (Recovered from Site CONCEPCION ST., BRGY. POBLACION, MARIVELES, BATAAN)				
		none			
	B. EQUIPMENT EXPENSES				
1	Service Vehicle	1	w-day	₱ 1,200.00	₱ 1,200.00
				sub-total	₱ 1,200.00
	C. LABOR COST				
1	Construction Foreman	1	m-day	₱ 650.00	₱ 650.00
3	Laborer / Helper	1	m-day	450.00	1,350.00
				sub-total	₱ 2,000.00

SUMMARY OF COST

A. MATERIAL COST	.....	₱ -
B. EQUIPMENT EXPENSES	.....	1,200.00
C. LABOR COST	.....	2,000.00
	DIRECT COST	₱ **3,200.00**

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Republic of the Philippines
Province of Bataan
Municipality of Mariveles

Office of the Municipal Engineer

CONSTRUCTION METHOD

BRIEF DESCRIPTION OF THE PROJECT

The project has a title of Rehabilitation and Construction of Drainage Canal and is located at Concepcion St., Poblacion, Mariveles, Bataan. This project should be done in 55 Calendar Days.

CONSTRUCTION METHODOLOGY OF THE PROJECT

1 Fabrication and Installation of Billboards and Signages.
2 Proper Implementation of Occupational Safety and Health Policy on site.
3 Proper Implementation of Traffic Management
4 Mobilization of equipments, manpower, materials and accessories
5 Cutting and Removal of Existing Concrete Pavement including disposal of waste materials
6 Removal of Existing Concrete Drainage Structure including disposal of waste materials
7 Excavation of Structure
8 Fabrication and Installation of Rebars
9 Fabrication and Installation of Formworks for reinforced drainage canal
10 Mixing and Pouring of Concrete Mixture
11 Fabrication, Painting and Installation of Steel Gratings
12 Clean Up and Demobilization.

Prepared By:

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Engineer III

Checked By:

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Engineer III

Approved By:

ILDEFONSO G. TARRIELA, JR.
Municipal Engineer

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Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);

or

☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;

and

☐ (c) Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;

and

☐ (e) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

☐ (f) 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**

☐ (g) 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**

☐ (h) 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**

☐ (i) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;

or

Original copy of Notarized Bid Securing Declaration; **and**

(j) 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, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;

☐ 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**

☐ (k) Original duly signed Omnibus Sworn Statement (OSS);

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

Financial Documents

☐ (l) 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**

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

Class "B" Documents

☐ (n) 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

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

Other documentary requirements under RA No. 9184

☐ (p) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (q) Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen rentals used in coming up with the Bid; **and**

☐ (r) Cash Flow by Quarter.

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Government Procurement Policy Board