

PHILIPPINE BIDDING DOCUMENTS

**Procurement of
INFRASTRUCTURE
PROJECTS**

Government of the Republic of the Philippines

**PROVISION OF LABOR, MATERIALS, EQUIPMENT
AND OTHER INCIDENTALS NEEDED FOR THE
CONSTRUCTION OF FARM
MACHINERY/EQUIPMENT SHED AT DA-INREC,
DINGRAS, ILOCOS NORTE**

IB No.: DA-RFO 1-2022-INFRA-054

**Sixth Edition
July 2020**

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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



Republic of the Philippines
DEPARTMENT OF AGRICULTURE
 Regional Field Office No. 1
 Aguila Road, Sevilla, San Fernando City, La Union
 Telephone Nos. (072) 242 1045/1046



INVITATION TO BID FOR THE PROVISION OF LABOR, MATERIALS, EQUIPMENT AND OTHER INCIDENTALS NEEDED FOR THE CONSTRUCTION OF FARM MACHINERY/EQUIPMENT SHED AT DA-INREC, DINGRAS, ILOCOS NORTE

- The Department of Agriculture Regional Field Office 1 (DA-RFO 1), through the GAA FY 2022 Fund, intends to apply the sum of **Three Million Five Hundred Sixty-Four Thousand Four Hundred Twenty-Three Pesos and Thirty-Five Centavos (PhP3,564,423.35)** being the Approved Budget for the Contract (ABC) to payment under the contract for the **PROVISION OF LABOR, MATERIALS, EQUIPMENT AND OTHER INCIDENTALS NEEDED FOR THE CONSTRUCTION OF FARM MACHINERY/EQUIPMENT SHED AT DA-INREC, DINGRAS, ILOCOS NORTE** with **(IB No. DA-RFO 1-2022-INFRA-054)**. Bids received in excess of the ABC shall be automatically rejected at the bid opening.
- The DA-RFO 1 now invites bids for the above procurement project with the following details and specifications:

DETAILS AND SPECIFICATIONS		
Project Location: Brgy. DA-INREC, Dingras, Ilocos Norte		
Project Description: Establishment of Farm Machinery/Equipment Shed with Guard Room and Silage Area with a total floor area of 294.75 sq.m.		
Scope of work to be done:		
Description	Qty	Unit
I. General Requirements (Permits & Project Billboard)	1.00	lot
II. Safety and Health	1.00	lot
III. Mobilization and Demobilization	1.00	lot
IV. Establishment of Temporary Facility	1.00	lot
V. Demolition Works	139.53	cu.m.
VI. RSB Works	7,821.67	kgs
VII. Form Works and Scaffoldings	1,540.00	bd.ft.
VIII. Concrete Works (Class A)	77.00	cu.m.
IX. Masonry Works (including plastering)	149.00	sq.m.
X. Doors, Windows and Toilet Partitions	1.00	lot
XI. Ceiling Works (including eaves)	290.00	sq.m.
XII. Steel Works	1,922.08	kgs.
XIII. Tinsmithry Works	86.00	ln.m.
XIV. Painting Works	1.00	lot
XV. Electrical Works	43.00	outlets
XVI. Plumbing Works	1.00	lot

XVII. Septic Tank	1.00	lot
XVIII. Catch Basin	1.00	cu.m.

MINIMUM TECHNICAL PERSONNEL REQUIRED:

- 1 Project Engineer
- 1 Foreman
- 6 Wheeler-Dump Truck Driver
- 4 Skilled Workers
- 8 Unskilled Workers

MINIMUM EQUIPMENT REQUIRED:

- 1 One-Bagger Mixer
- 1 Bar Cutter
- 1 Bar Bender
- 1 Welding Machine
- 1 Cut-off Machine
- 1 Concrete Vibrator
- 1 6-Wheeler Dump Truck
- Minor Tools

Completion of the Works is **ninety (90) 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 a non-discretionary “pass/fail” criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least seventy-five percent (75%) interest or outstanding capital stock belonging to citizens of the Philippines.

4. Prospective bidders may obtain further information from and inspect the Bidding Documents at the address given below during **office hours at 8:00 AM to 5:00 PM, Monday to Friday.**

**Department of Agriculture - Regional Field Office 1
Aguila Rd., Sevilla, City of San Fernando, La Union**

5. A complete set of Bidding Documents may be acquired by interested Bidders from **September 23, 2022 to October 12, 2022** from the address given and websites 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 **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 **DA-RFO 1** will hold a Pre-Bid Conference on **30 September 2022, 10:00 AM** at DA-RFO 1 5th Floor Conference Room, Aguila Road, Sevilla, City of San Fernando, La Union and/or through video conferencing/webcasting via Google Meet and Cisco Webex, which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat through manual submission and receipt at the office address indicated above on or before **12 October 2022, 10:00 AM. Late bids shall not be accepted.**
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
9. **Bid opening** shall be on **12 October 2022, 10:00 AM** at DA-RFO 1 5th Floor Conference Room, Aguila Road, Sevilla, City of San Fernando, La Union and/or through video conferencing/webcasting. Bids will be opened in the presence of the bidders' representatives who choose to attend the bid opening.
10. **ADDITIONAL INSTRUCTIONS TO BIDDERS:**
 - a. The bidders or their duly authorized representatives may attend the bid opening;
 - b. In case a representative will be attending the Bid Opening, a Special Power of Attorney (SPA), Secretary's Certificate, Board Resolution or any other forms of authorization indicating the name/title of the project, as the case may be, together with the Company-issued Identification Card or any valid ID must be presented upon submission of the bid proposal at the BAC Secretariat
 - c. Each Bidder shall submit one copy of the first and second components of its Bid. Bidders shall submit their bids with proper index tabbing using the forms specified in the Bidding Documents in two (2) separate sealed bid envelopes, and which shall be submitted simultaneously;

The Technical Eligibility requirements must be soft-bound, marked with the **name of the contract** and its **IB No., name and address of the bidder**, and enclosed in an envelope, sealed with signature and marked with the **name of the contract, name and address of the bidder**, addressed to the **Bids and Awards Committee (BAC) DA RFO-1 City of San Fernando, La Union**, the **specific Identification No.** and the warning **"DO NOT OPEN BEFORE..."** the date and time for the bid opening.

The Financial requirements may be soft-bound/fastened in a folder, marked with the **name of the contract** and its **IB No., name and address of the bidder**, and enclosed in an envelope, sealed with signature and marked with the **name of the contract, name and address of the bidder**, addressed to the **Bids and Awards Committee (BAC) DA RFO-1 City of San Fernando, La Union**, the **specific Identification No.** and the warning **"DO NOT OPEN BEFORE..."** the date and time for the bid opening.

Both the Technical and Financial Requirement envelopes shall be enclosed in another/separate envelope with the same sealing and markings.

Non-compliance with index tabbings shall not be a ground for outright disqualification or declaration of ineligibility. The improper index tabbings must be duly acknowledged by the bidder/representative and be subject to the bid evaluation and post-qualification of the Technical Working Group (TWG) as to their substance.

- d. The bidder shall submit Certificate of Site Inspection signed by the Project Recipient/s or LGU (MAO or Brgy. Captain or Brgy. Officials), as part of the project requirements (Tab f), during the bid opening.
 - e. All **documents** in the **Financial Requirements envelope** must be **duly signed and/or initialed**, as needed, by the bidder/authorized representative on each and every page thereof.
11. The **DA-RFO 1** 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 Section 41 of the 2016 Revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

JACINTA MARISSA D. OLALAN, Ph.D.
Chairperson, Bids and Awards Committee 1
Department of Agriculture - Regional Field Office 1
Aguila Road, Sevilla, City of San Fernando, La Union
Tel. No.:(072) 242/1045-46, Ext. 07
E-mail add: darfo1.bacsec1@gmail.com

For downloading of Bidding Documents, you may visit the following websites:

DA-RFO1 Website: <https://ilocos.da.gov.ph/>

PhilGEPS Website: <https://www.philgeps.gov.ph/>

September 21, 2022

Approved by:

Ph.D.

Committee 1

JACINTA MARISSA D. OLALAN,

Chairperson, Bids and Awards

Invitation to Bid Identification No. DA-RFO 1-2022-INFRA-054

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **Department of Agriculture - Regional Field Office 1 (DA-RFO 1)** invites Bids for the **PROVISION OF LABOR, MATERIALS, EQUIPMENT AND OTHER INCIDENTALS NEEDED FOR THE CONSTRUCTION OF FARM MACHINERY/EQUIPMENT SHED AT DA-INREC, DINGRAS, ILOCOS NORTE** with Project Identification Number **DA-RFO 1-2022-INFRA-054**.

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 GAA FY 2022 in the amount of **Three Million Five Hundred Sixty-Four Thousand Four Hundred Twenty-Three Pesos and Thirty-Five Centavos (PhP3,564,423.35)**.

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 and either at its physical address, **5th Floor Conference Room, Aguila Road, Sevilla, City of San Fernando, La Union** 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:*

- a. 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 **February 9, 2023**. 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 15 shall be submitted for each contract (lot) separately.

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

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause																						
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: CONSTRUCTION OF WAREHOUSE OR ONE-STOREY BUILDING																					
7.1	N/A																					
10.3	N/A																					
10.4	The key personnel must meet the required minimum years of experience set below: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Key Personnel</th> <th style="text-align: center;">General Experience</th> <th style="text-align: center;">Relevant Experience</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1 Project Engineer</td> <td style="text-align: center;">3 years</td> <td style="text-align: center;">Construction Supervision</td> </tr> <tr> <td style="text-align: center;">1 Foreman</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">Masonry/Carpentry</td> </tr> </tbody> </table>	Key Personnel	General Experience	Relevant Experience	1 Project Engineer	3 years	Construction Supervision	1 Foreman	2 years	Masonry/Carpentry												
Key Personnel	General Experience	Relevant Experience																				
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10.5	The minimum major equipment requirements are the following: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Equipment</th> <th style="text-align: center;">Capacity</th> <th style="text-align: center;">No. of Units</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Hand Tools</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">Mixer</td> <td style="text-align: center;">one-bagger</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">Bar Cutter</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">Welding Machine</td> <td></td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">Cut-off Machine</td> <td></td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">Plate Compactor</td> <td></td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Equipment	Capacity	No. of Units	Hand Tools		1	Mixer	one-bagger	1	Bar Cutter		1	Welding Machine		2	Cut-off Machine		2	Plate Compactor		1
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Plate Compactor		1																				
12	N/A																					
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than Php71,288.47 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 Php178,221.17 if bid security is in Surety Bond. 																					
19.2	Partial bids is not allowed.																					
20	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.																					
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, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.																					

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	N/A
4.1	Schedule of construction in full shall start within 7 calendar days from receipt of the Notice to Proceed
6	The site investigation reports are: <ul style="list-style-type: none"> • Certificate of Site Inspection
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	a. 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 10 days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is 10% of the 15% Advance Payment.
13	The amount of the advance payment is 15% of the Contract Price.
14	Materials and equipment delivered on the site but not completely put in place shall not be included for payment.
15.1	The “as built” Drawings and/or operating and maintenance manuals shall be required prior to the final payment.
15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is 10% of the final billing.

Section VI. Specifications

Section VII. Drawings

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

Section VIII. Bill of Quantities

Section IX. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

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

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- (d) Special PCAB License in case of Joint Ventures; **and** registration for the type and cost of the contract to be bid; **and**
- (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; **or**
Original copy of Notarized Bid Securing Declaration; **and**
- (f) 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**
- (g) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

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

Class “B” Documents

- (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence; **or**
duly notarized statements from all the potential joint venture partners stating

that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

- (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (l) 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; **and**
- (m) Cash Flow by Quarter.



BILL OF QUANTITIES (BOQ)

PROJECT NAME:

Construction of Farm Machinery/Equipment Shed

PROJECT LOCATION:

DA-INREC Dingras

PROJECT DESCRIPTION:

Establishment of Farm Machinery / Equipment shed with guard room and silage area with a total floor area of 294.75 sqm.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
I	General Requirements (Permits & Project Billboard)	lot	1.00		
II	Safety and Health	lot	1.00		
III	Mobilization & Demobilization	lot	1.00		
IV	Establishment of Temporary Facility	lot	1.00		
V	Demolition Works	cu.m.	139.53		
VI	RSB Works	kgs	7,821.67		
VII	Form Works & Scaffoldings	bd.ft.	1,540.00		
VIII	Concrete Works (Class A)	cu.m.	77.00		
IX	Masonry Works(including plastering)	sq.m.	149.00		
X	Doors, Windows and Toilet Partitions	lot	1.00		
XI	Ceiling Works (including eaves)	sq.m.	290.00		
XII	Steel Works	kgs	1,922.08		
XIII	Tinsmithry Works	ln.m.	86.00		
XIV	Painting Works	lot	1.00		
XV	Electrical Works	outlets	43.00		
XVI	Plumbing Works	lot	1.00		
XVII	Septic Tank	lot	1.00		
XVIII	Catch Basin	cu.m.	1.00		

NUMBER OF DAYS TO COMPLETE THE PROJECT: **90 CALENDAR DAYS**

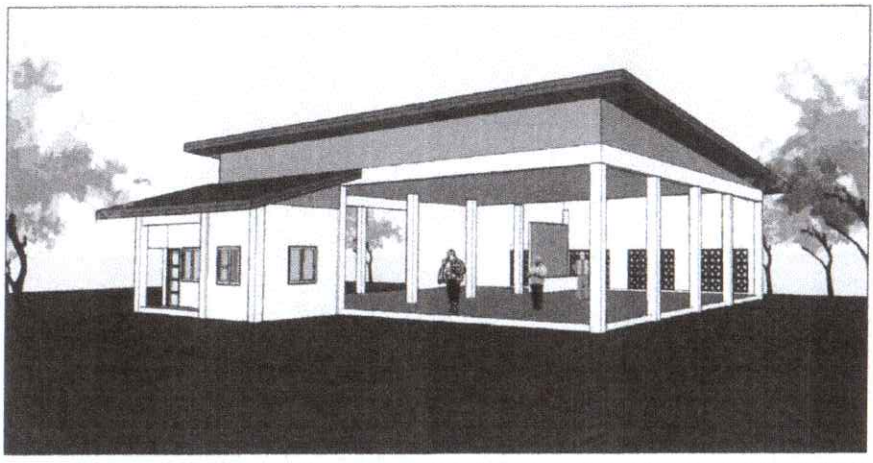
TOTAL AMOUNT OF BID (in words and figures): _____

Company Name

Address: _____

Name in print & signature of bidder

P E R S P E C T I V E



T A B L E O F C O N T E N T S

- 1 SITE DEVELOPMENT PLAN VICINITY MAP
- 2 GROUND FLOOR PLAN ROOF PLAN SECTIONS
- 3 ELEVATIONS DOOR AND WINDOW SCHEDULE
- 4 STRUCTURAL NOTES
- 5 FOUNDATION PLAN BEAM DETAILS COLUMN AND FOOTING DETAILS
- 6 ROOF FRAMING PLAN ROOF BEAM PLAN HALF TRUSS AND STRUT DETAILS
- 7 LIGHTING LAYOUT POWER LAY OUT RIBBON DIAGRAM ELECTRICAL LOAD COMPUTATION
- 8 WATERLINE LAY OUT SEWER LAY OUT SEPTIC TANK DETAILS
- 9 PLUMBING DETAILS

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

OFFICE OF THE BUILDING OFFICIALS

MUNICIPALITY OF SIAL, PANGASINAN

LINE AND GRADE

LAND USE & ZONING

ARCHITECTURAL

STRUCTURAL

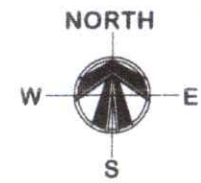
PLUMBING

ELECTRICAL

MECHANICAL

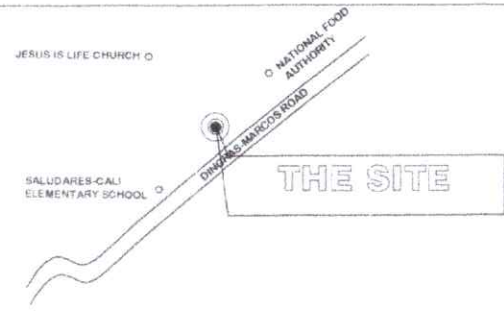
FIRE DEPARTMENT

S I T E D E V E L O P M E N T P L A N



	DISTANCE	NS	BEARING	EW
1	193.7100	N	60°27'00	
2	8.3500	N	55°58'00	
3	3.8000	N	48°31'00	
4	4.1800	N	77°58'00	
5	5.9100	N	15°50'00	
6	4.2000	N	7°14'00	
7	113.3600	N	22°13'00	
8	117.1500	N	23°34'00	
9	30.1800	N	20°54'00	
10	1.3600	S	67°22'00	
11	79.7700	S	67°22'00	
12	32.1600	N	21°32'00	
13	11.0300	S	15°08'00	
14	80.3300	S	63°52'00	
15	7.4700	S	83°52'00	
16	4.2900	S	9°34'00	
17	1.7500	S	43°19'00	
18	8.0000	S	43°49'00	
19	77.0200	S	23°22'00	
20	226.7900	S	27°30'00	

V I C I N I T Y M A P



PREPARED FROM THE OFFICE OF THE
REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD OFFICE I
625 V ROAD, SEVILLA SAN FERNANDO CITY, LA UNION
REGIONAL AGRICULTURAL ENGINEERING DIVISION

PROJECT TITLE:
CONSTRUCTION OF
MACHINERY/EQUIPMENT SHED

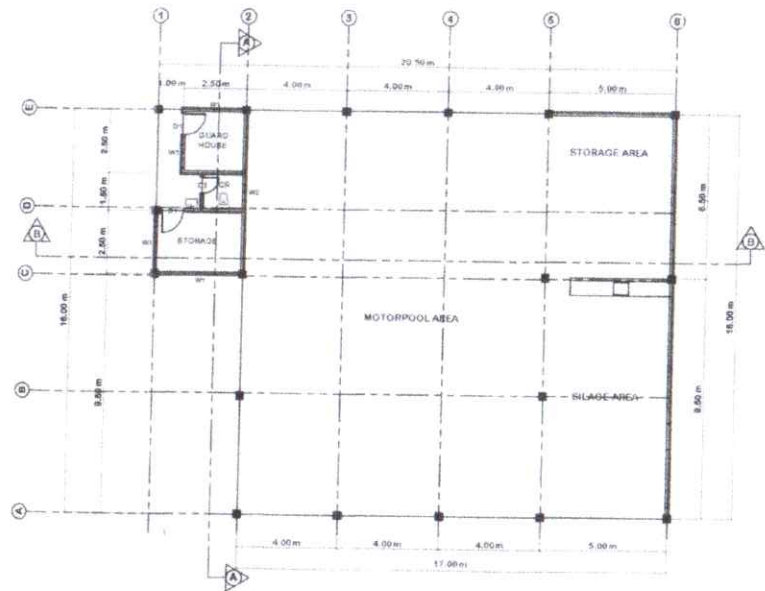
PREPARED BY:
April Diane Dansem
APRIL DIANE DANSEM
TECHNICAL STAFF

CHECKED & REVIEWED BY:
Joylene G. Bunnabung
JOYLENE G. BUNNABUNG, ABE
SECTION ENGINEER - CIVIL

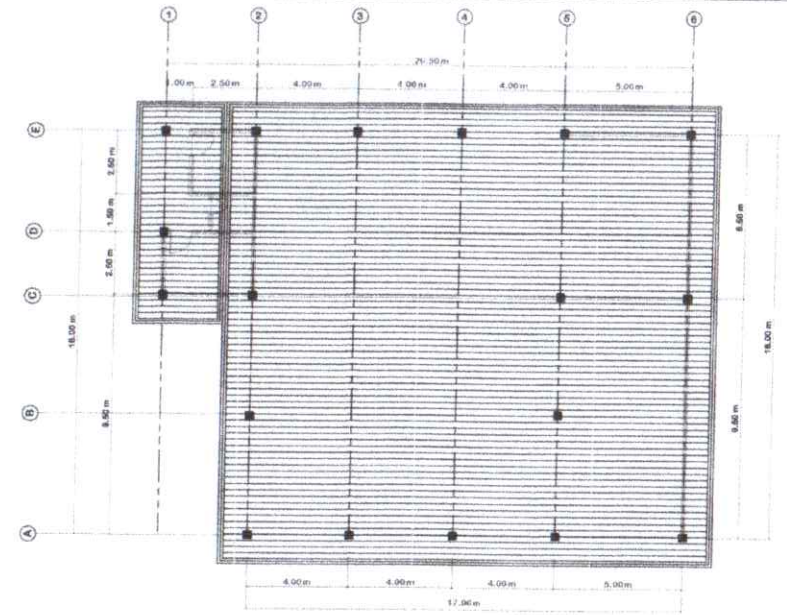
RECOMMENDING APPROVAL:
Mark Harry G. Pastor
MARK HARRY G. PASTOR, ABE
CHG. RAED

APPROVED:
Nestor D. Domenden
NESTOR D. DOMENDEN, CESO IV
EXECUTIVE DIRECTOR IN-CHARGE, REGIONAL EXECUTIVE DIRECTOR

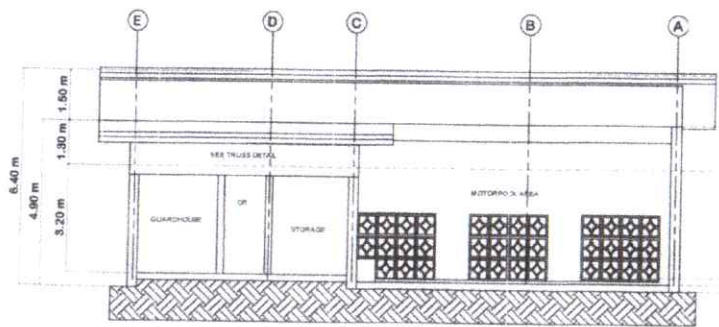
SHEET CONTENTS: AS SHOWN
SHEET NO. 1/9



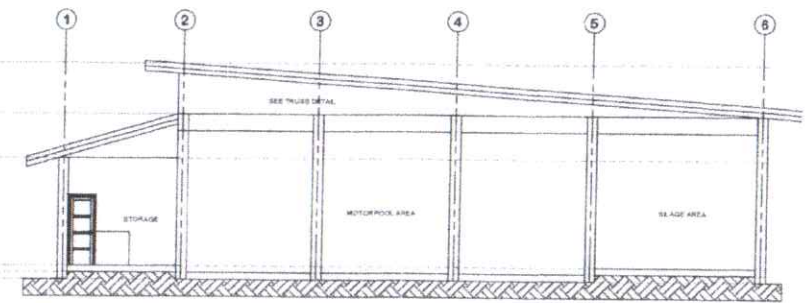
GROUND FLOORPLAN
SCALE 1:200 M



ROOF PLAN
SCALE 1:200 M



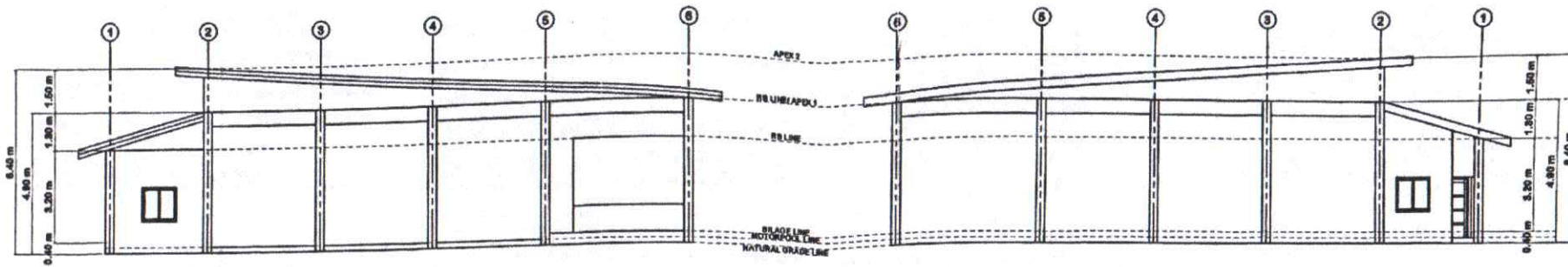
CROSS SECTION
SCALE 1:150 M



LONGITUDINAL SECTION
SCALE 1:150 M

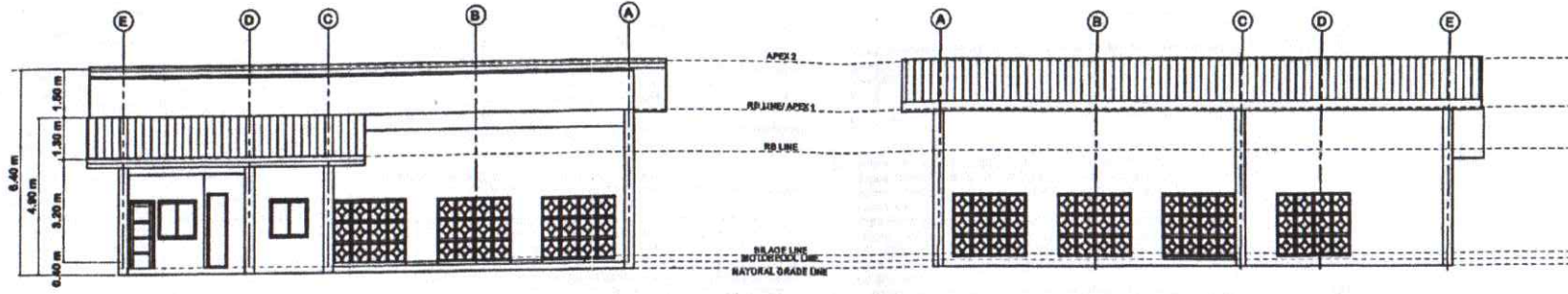


PREPARED FROM THE OFFICE OF THE DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE 1 AGULAYAN ROAD, SEVILLA, SAN FERNANDO CITY, LA LUNA REGIONAL AGRICULTURAL ENGINEERING DIVISION	PROJECT TITLE	PREPARED BY:	CHECKED & REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS.	SHEET NO.
	CONSTRUCTION OF MACHINERY/EQUIPMENT SHED	APRIL DIANE CAREN TECHNICAL STAFF	JOYLENE G. BUNGUBUNG, ABE SECTION CHIEF (POSS-NAED)	MARK HARRY G. PASTOR, ABE OIC, RAED	NESTOR D. DOMENDEN, CESO IV EXECUTIVE DIRECTOR FOR REGIC, REGIONAL EXECUTIVE DIRECTOR		
LOCATION: DA INRUG, DINGRAS STATION, ILOCOS NORTE							



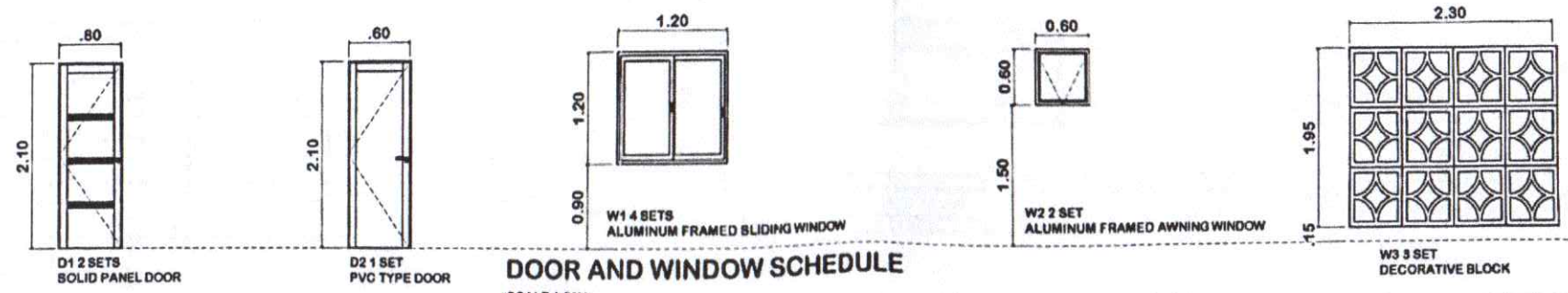
FRONT ELEVATION
SCALE 1:150 M

REAR ELEVATION
SCALE 1:150 M



LEFT ELEVATION
SCALE 1:150 M

RIGHT ELEVATION
SCALE 1:150 M



DOOR AND WINDOW SCHEDULE
SCALE 1:50M

	PREPARED FROM THE OFFICE OF THE DEPARTMENT OF AGRICULTURE REGIONAL OFFICE 2 - DIVISA REGIONAL AGRICULTURAL ENGINEERING DIVISION	PROJECT TITLE: CONSTRUCTION OF MACHINERY/EQUIPMENT SHED	PREPARED BY: APRIL DIANE EASEN TECHNICAL STAFF	CHECKED & REVIEWED BY: JOYLENE G. BUNGBUNG, ABE SENIOR STAFF ENGINEER	RECOMMENDING APPROVAL: MARK HARRY G. PASTOR, ABE I/C, RAED	APPROVED: NESTOR D. DOMENDEN, CESO IV EXECUTIVE DIRECTOR REGIONAL, REGIONAL EXECUTIVE DIRECTOR	SHEET CONTENTS: AS SHOWN	SHEET NO.: 3 9
	LOCATION: DA BRREC, DIVORAS STATION, 3 OCCASORITE							
	PREPARED BY THE OFFICE OF THE DEPARTMENT OF AGRICULTURE REGIONAL OFFICE 2 - DIVISA REGIONAL AGRICULTURAL ENGINEERING DIVISION							

A. NOTES:

- CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN MODIFY ONLY AS INSTRUCTED BY THE DESIGNER.
- SHOP DRAWINGS WITH ERECTION AND PLANNING DIAGRAM OF ALL STRUCTURAL STEEL, PRECAST WORK ETC. SHALL BE SUBMITTED FOR STRUCTURAL ENGINEER APPROVAL.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ANY WORK IS DONE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE BRACING FOR THE STRUCTURE.
- IN THE INTERPRETATION OF THESE DRAWINGS, INDICATED DIMENSIONS SHALL GOVERN.
- ALL CONCRETE WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS IN SO FAR THEY DO NOT CONFLICT WITH LOCAL BUILDING CODE.

B. CONCRETE REINFORCEMENT

- ALL CONCRETE DEVELOP A MINIMAL ULTIMATE COMPRESSIVE STRENGTH AT THE END OF 28 DAYS WITH CORRESPONDING MAXIMUM SIZE OF AGGREGATES AND SLUMPS AS FOLLOWS:

LOCATION	STRENGTH	MAX SIZE	AGGREG.	MAX SLUMP
FOUNDATION	20MPa	20mm	1.50	100mm
CONCRETE SLAB	20MPa	20mm	2.00	100mm
ALL OTHERS	20MPa	20mm	2.00	100mm

- CONCRETE SHALL BE IN ITS FINAL POSITION WITH THE FOLLOWING PLACING SHALL BE DONE WITH BUCKETS OR WHEEL BARROWS NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE.
- NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITH THE USE OF VIBRATOR UNLESS AUTHORIZED BY THE STRUCTURAL ENGINEER.
- ALL REINFORCING BAR SHALL CONFORM TO ASTM 515.
- IN GENERAL, THE LATEST EDITION OF ACI 315 MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE NOTED.
- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEELS.
- SPLICING SHALL BE SECURELY WROD.
- PROVIDE DOWELS FOR STRUT OF COLUMN BEARING OF BEAMS AND WALLS DOWEL.
- DEVELOPMENT LENGTH AND LAP SPLICE SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- DEVELOPMENT LENGTH
- LAP SPLICE LENGTH

- ALL ANCHOR BOLTS DOWEL AND OTHER INSERTS SHALL BE PROPERLY POSITIONED AND SECURED.

	TENSION	COMPRESSION
TOP BARS	0.16Fy db	0.10Fy db
BOTTOM BARS	0.12Fy db	0.26Fy db

NOTE:

- DEVELOPMENT LENGTH PER SPLICE SHALL NOT BE LESS THAN 300MM.
- BASIC DEVT LENGTH PER TENSION BAR SHALL BE MULTIPLIED BY 1.30 FOR TOP BARS.
- DB= BAR DIAMETER
- Fy= YIELD STRENGTH OF STEEL

- CONTRACTOR SHALL NOTE AND PROVIDE MISCEL LANE CURB STILLS AND STOODS. EQUIPMENT AND MECHANICAL BARS ARE REQUIRED BY THE ARCHITECTURAL ELECTRICAL AND MECHANICAL DWGWS.
- ALL CONCRETE SHALL KEPT MOIST FOR A MINIMUM OF 7 CONSECUTIVE DAYS AFTER POURING.
- STRIPPING OF FORMS AND SHORES

FOUNDATION	SUSPENDED SLAB	WALLS AND COLUMNS	BEAMS
24 HRS	14 DAYS	2 DAYS	14 DAYS

- CONCRETE AND REINFORCING BARS TEST FREQUENCY AS STATED IN THE LATEST ACI CODE SHOULD BE DONE AT A REPUTABLE TESTING INSTITUTION AND MUST BE WITNESSED BY THE PROJECT MANAGER AND OWNER'S REPRESENTATIVE.

C. MASONRY CONCRETE BLOCKS:

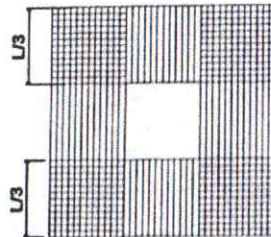
- CONCRETE BLOCKS SHALL BE NORMAL WEIGHT NON LOAD BEARING TYPE.
- PROVIDE 1 16MM VERTICAL BARS AT CORNER INTERSECTIONS AND OF WALLS EACH SIDE OF OPENING.
- LINTEL BEAMS SHALL ATLEAST 0.20M ON EACH SIDE OF MASONRY WALL OPENING.
- WALL REINFORCEMENT SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINF.
125MM	10MM	10MM
100MM	10MM	10MM

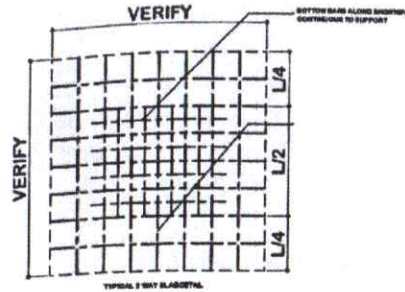
- REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 1.3 WHERE SPLICED DOWELS FROM CONCRETE FOOTING OR SLAB SHALL EXTEND INTO THE BLOCK WALL.
- FOR EXTERIOR WALLS, ALL CELLS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUTS, FOR INTERIOR WALLS ONLY CELLS CONTAINING REINFORCING BARS ON INSERTS SHALL BE FILLED WITH CONCRETE GROUT.
- OTHER ALTERNATIVES SHALL BE SUBMITTED FOR THE STRUCTURAL ENGINEER'S APPROVAL.

D. NOTES ON CONCRETE SLAB CONSTRUCTION:

- ALL SLAB REINFORCEMENT SHALL BE ATLEAST 20MM CLEAR MIN FROM BOTTOM & TOP OF SLAB.
- FOR TWO WAY SLAB BARS ALONG THE SHORT SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN AT THE CENTER AND OVER THE LONGER STANDARD NEAR THE SUPPORTS.
- TEMPERATE BARS FOR SLABS SHALL BE GENERALLY PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.02 LENGTH OF BAR CUT OFF SHALL BE AS SPECIFIED IN THE FIGURE BELOW.
- UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS CAMBER ALL RX SLABS ALONG SHORTER SPAN 3MM PER 3000MM.

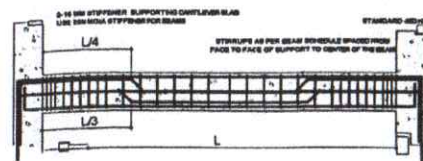


DETAIL OF TOP BARS

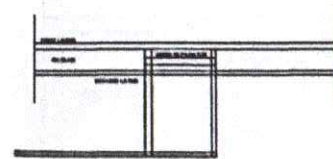


TYPICAL 1 WAY SLAB DETAIL

- NOTES ON CONCRETE BEAMS AND GIRDERS
- UNLESS OTHERWISE NOTED IN PLANS AND SPECS, CAMBER ALL RC BEAMS ATLEAST 8MM FOR EVERY 4000MM AT CLEAR SPAN EXCEPT CANTILEVERS FOR WHICH THE CAMBER SHALL BE NOTED IN PLANS AS ORDERED BY THE DESIGNER BUT INCREASE LESS THAN 16MM FOR EVERY 3000MM FREE SPAN.



- FOR BEAMS NOT SUBJECT TO TORSION AND FOR DEPTHLESS THAN 800 THERE IS NO NEED FOR STIFFENER BARS FOR EVERY 400MM OR LESS INCREASE DEPTH PROVIDE 1-16MM DIA BARS EACH SIDE.
- IF BEAM REINFORCING BARS END IN WALL THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE WALL SHALL NOT BE LESS THAN 5 BAR DIAMETERS THE REINFORCING BARS SHALL TERMINATE ON A STANDARD HOOK MINIMUM EMBEDMENT SHALL BE SPECIFIED.
- IF THERE ARE 2 OR MORE LAYERS OF REINFORCING BARS USE 25MM SEPARATORS BETWEEN LAYERS OF BARS INCREASE BE LESS THAN TWO SEPARATORS BETWEEN LAYERS OF BARS.
- MINIMUM CONCRETE PROTECTION OF REINFORCING BARS ARE SHAPES AS SHOWN



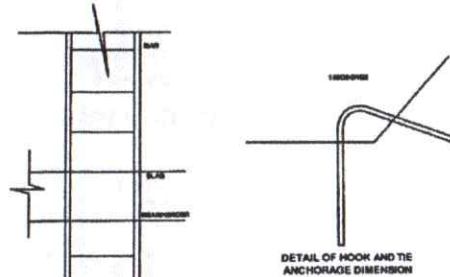
- WHEN A BEAM CROSSES A GIRDER BEAM BARS SHALL BE ON TOP OF GIRDER BARS THA 50 PERCENT OF THE BARS AT ANY SECTION SHALL BE SPLICED THEREIN.
- NO CONSTRUCTION JOINTS SHALL BE PERMITTED ON BEAMS AND SLABS AT POINTS WHERE CRITICAL STRESSES.

F. NOTES ON PIPES PASSING THROUGH BEAMS

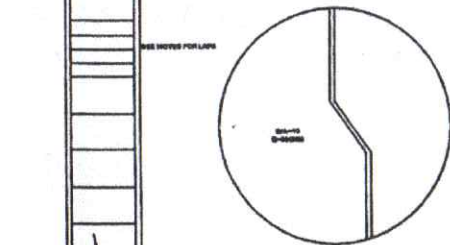
MIN. SIZE OF PIPE SLEEVES SHALL ONLY BE ALLOWED TO PASS THROUGH BEAMS ON SIDES BUT NOT VERTICALLY OR ALONG THE LENGTH OF THE BEAM.

G. NOTES ON COLUMNS

- CONFINEMENT TIES SHALL BE PROVIDED ON ALL COLUMNS AT BEAM INTERSECTION OF A MINIMUM THICKNESS OF 40MM.
- SPLICING SHOULD BE MADE WITHIN THE CENTER HALF OF THE COLUMN LENGTH AND BE EQUAL TO 40BAR DIAMETER.
- SPLICING TO BE CONFIRMED BY THREE LINKS TOPMOST LINK TO BE AT THE TOP OF A LOWER SPLICE BAR EACH OTHER.
- NO BAR SHALL BE FARTHER THAN 150MM CLEAR ON EACH SIDE ALONG THE TIE FROM SUCH A LATERALLY SUPPORTED BAR.



DETAIL OF HOOK AND TIE ANCHORAGE DIMENSION



CRANK DETAIL

INTERIOR COLUMN

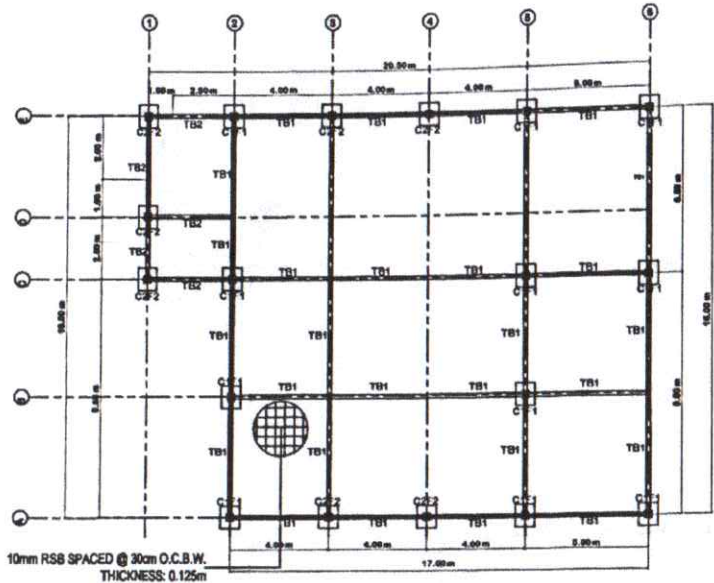
H. FOUNDATION

- ON ALL FOOTINGS PUT EXTRA HORIZONTAL BARS SAME AS FOOTING REINFORCEMENT BARS DEPENDING ON FOOTING THICKNESS.



DEPARTMENT OF AGRICULTURE
 REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF AGRICULTURE
 REGIONAL OFFICE 1
 MARIKINA ROAD, MARIKINA CITY, LA LUNA
 REGIONAL AGRICULTURAL ENGINEERING DIVISION

PROJECT TITLE:	PREPARED BY:	CHECKED & REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
CONSTRUCTION OF MACHINERY/EQUIPMENT SHED	APRIL DIANE CASER TECHNICAL STAFF	JOYLINE G. BUNRUBING, ABE SECTION CHIEF (ENGINEER)	MARK HARRY G. PASTOR, ABE OIC, RAED	NESTOR D. DOMENDEN, CESO IV EXECUTIVE DIRECTOR (RPOC), REGIONAL EXECUTIVE DIRECTOR	AS SHOWN	4 9

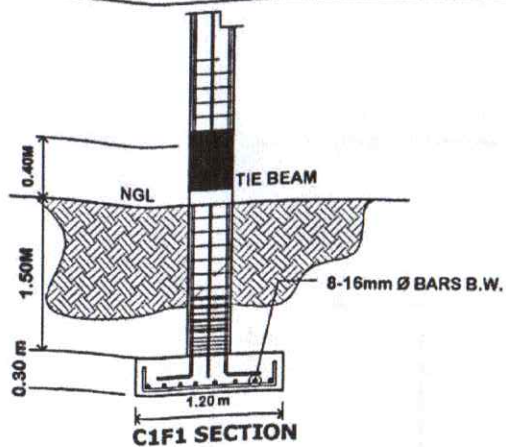


FOUNDATION PLAN

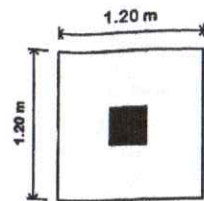


SCALE

1:200 M



C1F1 SECTION



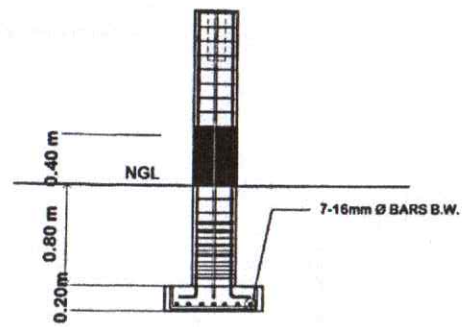
C1F1 PLAN

C1F1 DETAIL

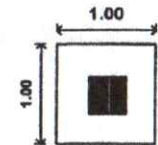


SCALE

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C2F2 SECTION



C2F2 PLAN

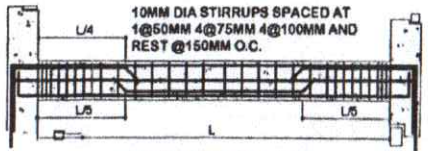
C2F2 DETAIL



SCALE

1:30 M

DESCRIPTION		CONFIGURATION(REBARS)		
DESIGNATION	SIZE	AT SUPPORT	AT MIDSPAN	STIRRUPS
TB1	200x400	4-12MM DIA TOP BARS 4-12MM DIA BOT BARS	2-12MM DIA TOP BARS 3-12MM DIA BOT BARS	USE 10MM DIA STIRRUPS SPACED 2 @50MM, 5 @75MM 5@100MM, REST @150MM O.C. TO MIDSPAN
TB2	200x300	3-12MM DIA TOP BARS 3-12MM DIA BOT BARS	3-12MM DIA TOP BARS 3-12MM DIA BOT BARS	USE 10MM DIA STIRRUPS SPACED 2 @50MM, 5 @75MM 5@100MM, REST @150MM O.C. TO MIDSPAN
RB	200x300	3-12MM DIA TOP BARS 3-12MM DIA BOT BARS	3-12MM DIA TOP BARS 3-12MM DIA BOT BARS	USE 10MM DIA STIRRUPS SPACED 2 @50MM, 5 @75MM 5@100MM, REST @150MM O.C. TO MIDSPAN



SCHEDULE OF BEAMS

MARK	C1	C2
SECTION		
10MM DIA TIES	3 TIES 10MM DIA TIES SPACED 5 @75MM, 4 @100MM REST @150MM O.C.	3 TIES 10MM DIA TIES SPACED 5 @75MM, 4 @100MM REST @150MM O.C.



PREPARED FROM THE OFFICE OF THE
 DEPARTMENT OF AGRICULTURE
 REGIONAL AGRICULTURAL ENGINEERING DIVISION
 REGIONAL OFFICE 1
 ADELPHI ROAD, SEVILLA SAN FERNANDO CITY, LA UNION
 1989

PROJECT TITLE:
CONSTRUCTION OF MACHINERY/EQUIPMENT SHED
 LOCATION: DA HERR, DUKOPAS STATION, 8, DOB081075

PREPARED BY:

APRIL DIANE BASEM
 TECHNICAL STAFF

CHECKED & REVIEWED BY:

JOYLINE G. BUNGBUNG, ABE
 SECTION CHIEF, SPORTS-FIELD

RECOMMENDING APPROVAL:

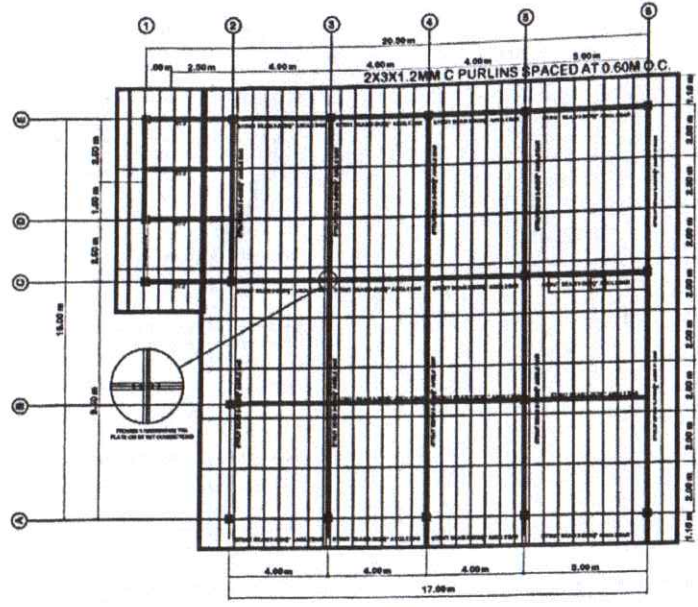
MARK HARRY G. PASTOR, ABE
 OIC, RAED

APPROVED:

NESTOR D. DOMENDEN, CESO IV
 EXECUTIVE DIRECTOR SPHC, REGIONAL EXECUTIVE OFFICER

SHEET CONTENTS:
 AS SHOWN

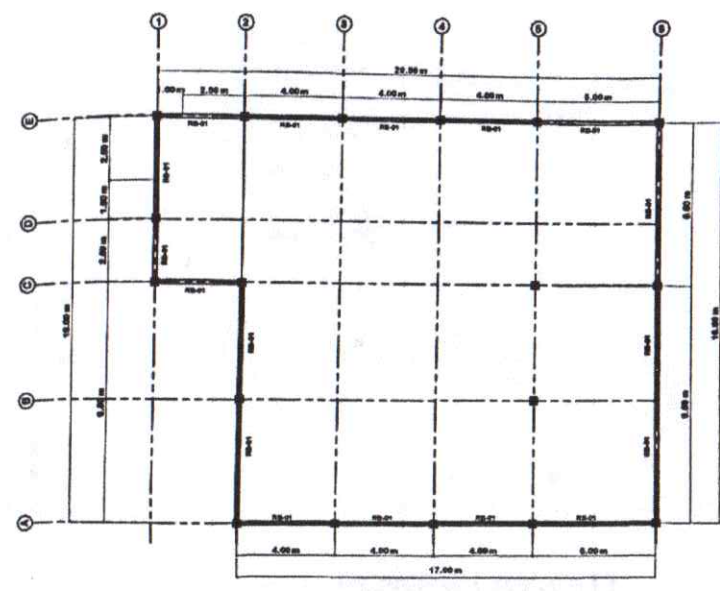
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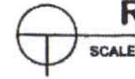
ROOF FRAMING PLAN



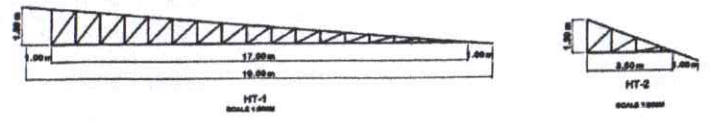
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ROOFBEAM PLAN

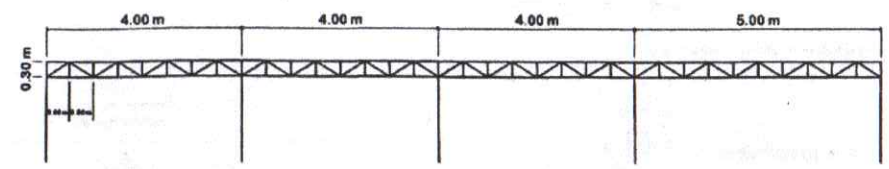


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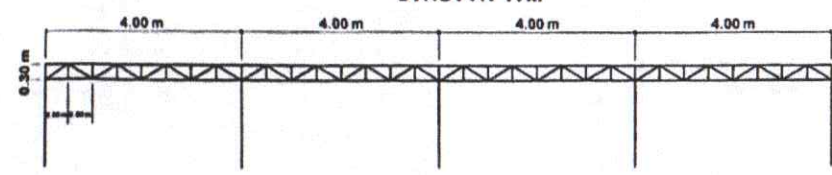


HT-1
SCALE 1:200 M

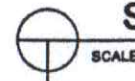
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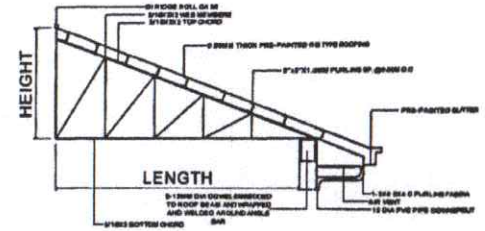
STRUT AT 17M



STRUT BEAM DETAIL




SCALE 1:100 M



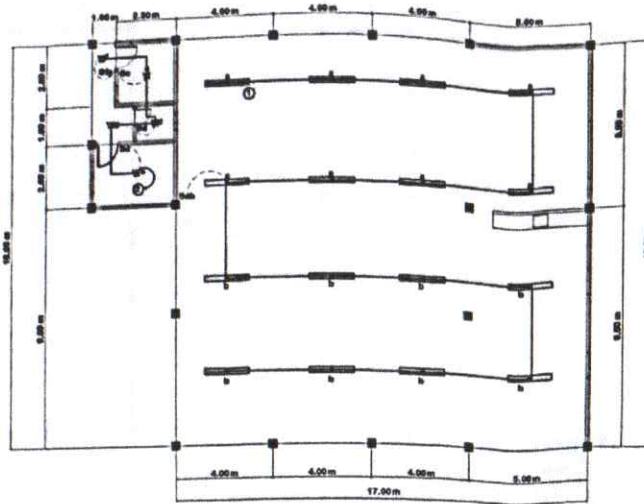
TRUSS DIAGRAM



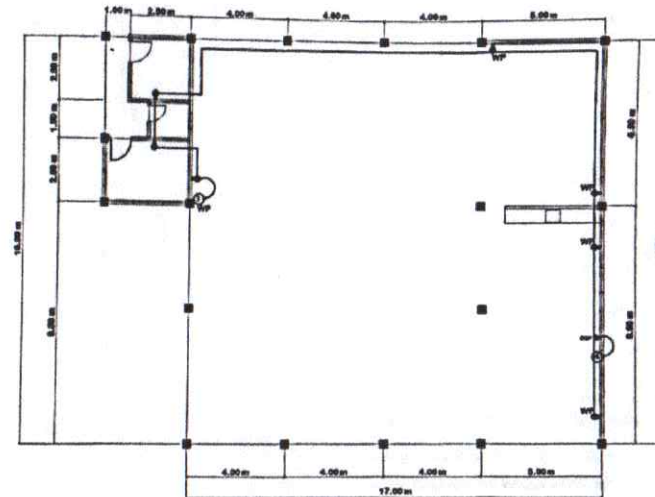
 <p>DEPARTMENT OF AGRICULTURE 1988</p>	<p>PREPARED FROM THE OFFICE OF THE DIRECTOR GENERAL OF AGRICULTURE REGIONAL AGRICULTURAL ENGINEERING DIVISION</p>	<p>PROJECT TITLE: CONSTRUCTION OF MACHINERY/EQUIPMENT SHED</p>	<p>PREPARED BY: <i>April Diane Castm</i> APRIL DIANE CASTM TECHNICAL STAFF</p>	<p>CHECKED & REVIEWED BY: <i>Joyling G. Bonolusund</i> JOYLING G. BONOLUSUND, ABE SECTION CHIEF, EPDAS-RAED</p>	<p>RECOMMENDING APPROVAL: <i>Mark Harry G. Pastor</i> MARK HARRY G. PASTOR, ABE OIC, RAED</p>	<p>APPROVED: <i>Nestor D. Domenden</i> NESTOR D. DOMENDEN, CESO IV EXECUTIVE DIRECTOR BRAC, REGIONAL EXECUTIVE DIRECTOR</p>	<p>SHEET CONTENTS: AS SHOWN</p>	<p>SHEET NO.: 6 9</p>
	<p>LOCATION: DA INREC, DORAN STATION, 8 CORONADO</p>	<p>DATE: 10/06/2020</p>	<p>SCALE: 1:200 M</p>	<p>SCALE: 1:200 M</p>	<p>SCALE: 1:100 M</p>	<p>SCALE: 1:100 M</p>	<p>SCALE: 1:100 M</p>	<p>SCALE: 1:100 M</p>
	<p>DATE: 10/06/2020</p>	<p>DATE: 10/06/2020</p>	<p>DATE: 10/06/2020</p>	<p>DATE: 10/06/2020</p>	<p>DATE: 10/06/2020</p>	<p>DATE: 10/06/2020</p>	<p>DATE: 10/06/2020</p>	<p>DATE: 10/06/2020</p>

ELECTRICAL SPECIFICATION

- ALL ELECTRICAL WORKS AND INSTALLATION HEREIN INDICATED SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRIC CODE (PEC), WITH THE REGULATIONS OF THE NATIONAL AND LOCAL AUTHORITIES CONCERNED IN THE ENFORCEMENT OF ELECTRICAL LAWS AND ORDINANCES AND THE LOCAL POWER COMPANY.
- POWER SERVICE STRUCTURE SHALL BE 220 V, 2 - WIRES, 60 Hz. SYSTEM.
- UNLESS OTHERWISE SPECIFIED IN THE PLAN, MINIMUM SIZES
- OF WIRES AND CONDUITS SHALL BE ϕ 1.60MM. AND ϕ 18.0MM. RESPECTIVELY. WIRES SHALL BE INSULATED FOR RATING FOR EQUIPMENT SERVED.
- GENERAL USE OF RECEPTACLES SHALL BE RATED 10 A, 250 V. WITH PARALLEL SLOTS, SPECIAL PURPOSE OUTLETS SHALL BE OF TYPE AND SUITED FOR THE EQUIPMENT USED.
- TYPES OF CONDUITS TO BE USED SHALL BE AS FOLLOWS:
 - RSC - RIGID STEEL CONDUIT - FOR MAIN ENTRANCE.
 - PVC - POLYVINYL CHLORIDE PIPE - FOR ALL LIGHTING AND POWER
- BRANCH CIRCUIT RACEWAYS RUNNING IN CONCRETE SLABS AND WALLS AND OTHER AUXILIARY SYSTEM RACEWAYS; PROVIDE GROUND WIRES.
- ALL PANEL BOARDS SHALL BE PROVIDED WITH GROUNDING KIT TERMINALS, WITH NUMBER OF TERMINALS TO THE NUMBER OF BRANCH CIRCUITS.
- ALL MATERIALS TO BE USED SHALL BE NEW AND OF APPROVED TYPE FOR THE LOCATION AND PURPOSE INTENDED.
- ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY REGISTERED AND LICENSED ELECTRICAL ENGINEER.
- IN CASE OF DOUBT, CONSULT THE DESIGNER FOR CLARIFICATION AND DECISION.
- THESE DRAWINGS, ETC. ARE THE PROPERTY OF THE DESIGNER AND SHALL NOT BE COPIED OR DUPLICATED WITHOUT THE EXPRESSED PERMISSION IN WRITING.



LIGHTING LAY-OUT
SCALE 1:200 M

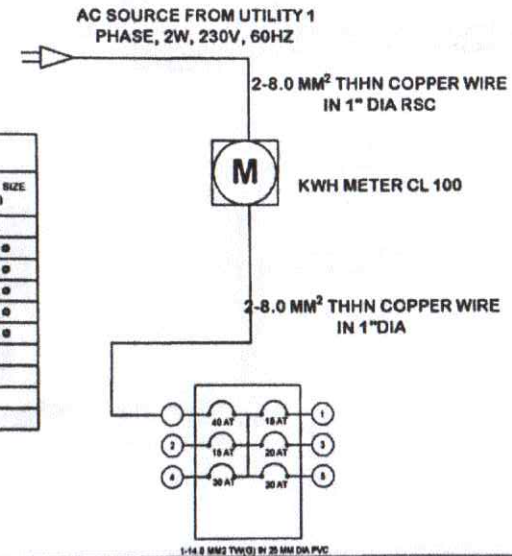


POWER LAY-OUT
SCALE 1:200 M

LEGEND: ELECTRICAL SYMBOLS

- POWER SERVICE ENTRANCE
- KILO WATT HOUR METER
- CIRCUIT BREAKER
- CIRCUIT HOMERUN
- DUPLEX CONVENIENCE OUTLET
- WEATHER PROOF CONVENIENCE OUTLET
- LIGHTING OUTLET
- FLOURESCENT LIGHT OUTLET
- ONE GANG SWITCH
- TWO GANG SWITCH
- THREE GANG SWITCH
- THREE WAY SWITCH
- PANEL BOARD
- SPO
- GROUND
- COVELKHT

PB SCHEDULE OF ELECTRICAL LOADS & COMPUTATIONS																	
PB	CKT. NO.	LOC.	LOAD DESC.	TYPE OF LOAD			SNAP SWITCHES				VA per CKT	LOAD (AMP.)	CKT. BREAKER	WIRE SIZE	CONDUIT SIZE (PVC)		
				L.O.	C.O.	Others	S1	S2	S3	R=						Typical	TOTAL
C-1	GF	LO	10					1			100	1000	1.0000	7.2727	15	2 - 2.0 MM ²	15 MM ϕ
C-2	GF	LO	8					1			100	800	0.8000	2.2727	15	2 - 2.0 MM ²	15 MM ϕ
C-3	GF	CO	7								180	1260	1.2600	8.7273	20	2 - 2.0 MM ²	15 MM ϕ
C-4	GF	SPO	1								2000	2500	2.5000	11.9036	30	2 - 5.5 MM ²	15 MM ϕ
C-5	GF	SPARE	1								1000	1000	1.0000	4.8485	20	2 - 3.5 MM ²	15 MM ϕ
			TOTAL	21	9			3	2	#	#	6600	8.860000	31.181818			
5860 ± 80 % D.F. = 220											34.8458	AMP.					
											MAIN CIRCUIT BREAKER		USE: 40 AMP. PLUG IN TYPE MAIN CIRCUIT BREAKER				
											FOR SERVICE ENTRANCE		USE: 2 PCB - 4.0 MM ² THHN AWG IN 1" ϕ PVC PIPE				
											GROUND WIRE		USE:				



PREPARED FROM THE OFFICE OF THE:
 REGIONAL OFFICE OF THE PHILIPPINE
 DEPARTMENT OF AGRICULTURE
 REGIONAL OFFICE 1
 MARIKINA ROAD, BELLINA, SAN FERRANDO CITY, LAAGUI
 REGIONAL AGRICULTURAL ENGINEERING DIVISION
 1999

PROJECT TITLE:
**CONSTRUCTION OF
 MACHINERY/EQUIPMENT SHED**

PREPARED BY:

APRIL DIANE CAREM
 TECHNICAL STAFF

CHECKED & REVIEWED BY:

JOYLENE G. BUNGUBUNG, ABE
 (SIC) DIVISION CHIEF, CPDSS-HAED

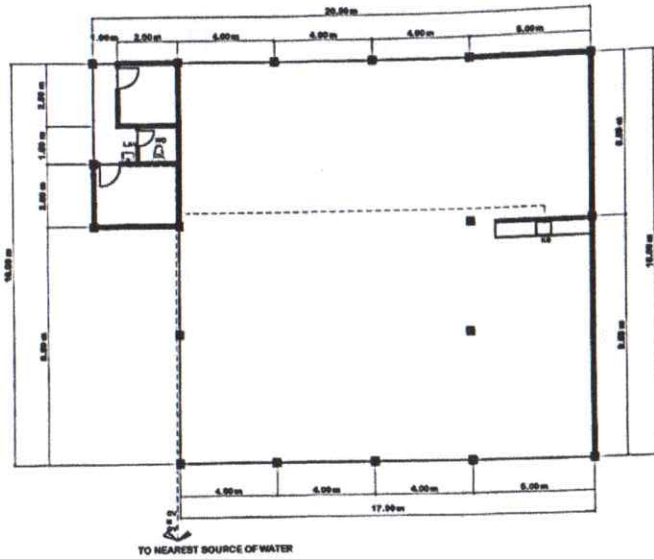
RECOMMENDING APPROVAL:

MARK HARRY G. PASTOR, ABE
 OIC, RAED

APPROVED:

NESTOR D. DOMENDEN, CEO IV
 EXECUTIVE DIRECTOR (SIC), REGIONAL EXECUTIVE (SIC) DIVISION

SHEET CONTENTS:
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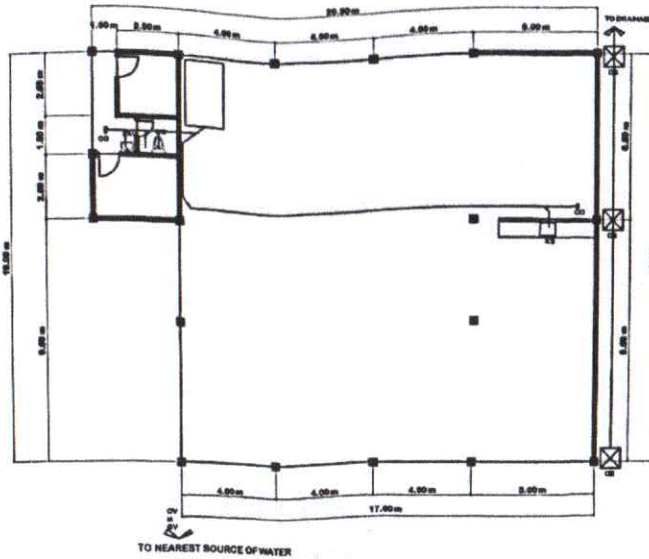


WATERLINE LAY OUT



SCALE

1:200 M



SEWER LAY OUT

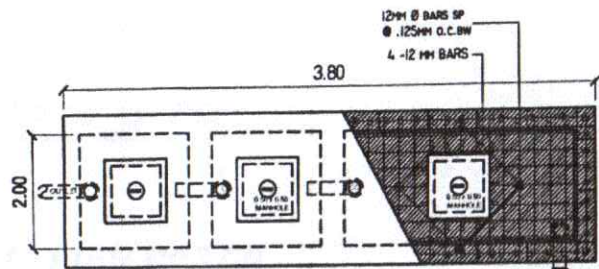


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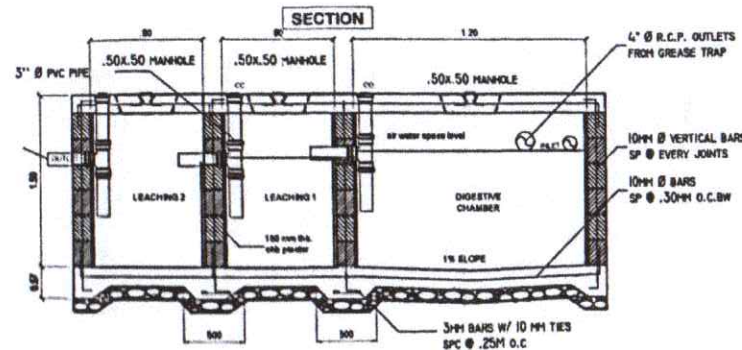
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PLUMBING NOTES:

1. GRADES OF HORIZONTAL PIPINGS
RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE NOT LESS THAN TWO PERCENT (2%)
2. CHANGE IN DIRECTION
ALL CHANGE IN DIRECTION SHALL BE MADE BY APPROPRIATE USE OF FORTY-FIVE DEGREES (45') WYES, LONG SWEEP QUARTER BEND, SIXTH-EIGHT OR SIXTEENTH BEND. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL A SINGLE 1/8 BEND COMBINATION MAYBE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTE LINE, TEE AND CROSSES MAYBE USED IN BENT PIPES.
3. PROHIBITED FITTINGS
NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL AND WASTE LINES, THE DRILLINGS AND TAPPING OF HOUSE DRAIN, WASTE OR VENT PIPES AND USED OF SADDLE HUB AND BEND ARE PROHIBITED.
4. PIPE CLEAN-OUTS
CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
a) EVERY CHANGE OF HORIZONTAL DIRECTION EXCEEDING TWENTY TWO AND ONE-HALF DEGREES (22 1/2').
b) ONE AND ONE-HALF METERS (1.50m.) INSIDE THE PROPERTY LINES BEFORE THE HOUSE DRAINAGE CONNECTION.
c) EVERY FIFTEEN METERS (10.00m) IN HORIZONTAL RUN OF PIPES.
d) AT THE END OF ANY HORIZONTAL PIPE LINES.
5. THE DIGESTION CHAMBER OF SEPTIC VAULT MUST BE WATERPROOFED.
6. NOT LESS THAN 0.30 METER OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF VAULT ROOF SLAB.
7. NO SEPTIC VAULT SHALL BE CONSTRUCTED UNDER THE BUILDING.
8. ALL PLUMBING WORKS SHALL BE UNDER THE SUPRVISION OF A LICENSED MASTER PLUMBER AND A LICENCED PLUMBING CONTRACTOR.



PLAN



SEPTIC TANK DETAIL

SCALE

NTS



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD OFFICE
ABUJALA ROAD, BANGAL, SAN FERNANDO CITY, LAUNUM
REGIONAL AGRICULTURAL ENGINEERING DIVISION
1999

PROJECT TITLE:
CONSTRUCTION OF MACHINERY/EQUIPMENT SHED

LOCATION: DA HREC, DINORAS STATION, BOCOR HORTE

PREPARED BY:
Adm
APRIL DIANE CASIM
TECHNICAL STAFF

CHECKED & REVIEWED BY:
Joylene Q. Bujung
JOYLENE Q. BUJUNG, ABE
SECTION CHIEF (ELECTRICAL)

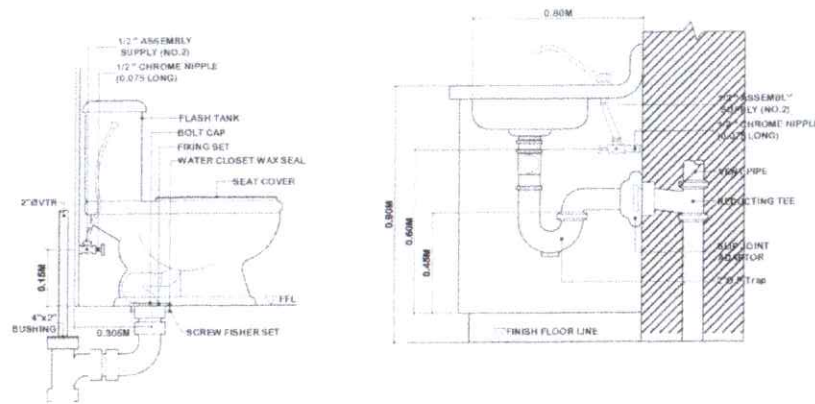
RECOMMENDING APPROVAL:
Mark Harry G. Pastor
MARK HARRY G. PASTOR, ABE
DIO, RAED

APPROVED:
Nestor D. Domenden
NESTOR D. DOMENDEN, CESO IV
EXECUTIVE DIRECTOR (RPO), REGIONAL EXECUTIVE DIRECTOR

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	9

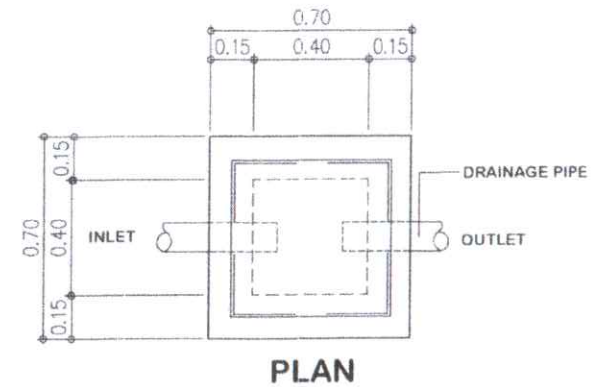
**TYPICAL PLUMBING
LEGEND:**

- PT BLADDER/PNEUMATIC TANK
- E ELECTRIC MOTOR
- D PUMP
- U UNION PATENTE
- FTV FOOT VALVE
- FV FLOAT VALVE
- PP PRIMING PCRT
- CB CATCH BASIN
- CV CHECK VALVE
- HB HOSE BIBB
- FD FLOOR DRAIN
- CWL COLD WATERLINE
- GV GATE VALVE
- MH MAN-HOLE
- PVCD S POLYVINYL CHLORIDE DOWNSPOUT
- PVCDP POLYVINYL CHLORIDE DRAIN PIPE
- PVCD S POLYVINYL CHLORIDE DOWNSPOUT
- CC CLEAN OUT
- PVCVTR/W POLYVINYL CHLORIDE
- RD ROOF DRAIN
- UD URINAL DRAIN
- WC WATER CLOSET
- LAV LAVATORY
- SP SANITARY PIPE
- SINK SINK

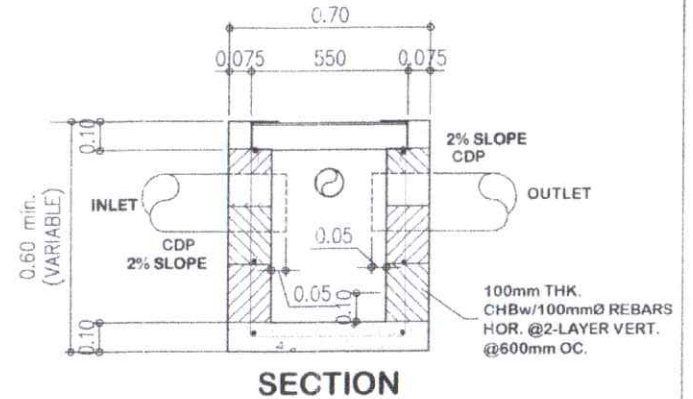


LAVATORY INSTALLATION

SCALE: 1:100



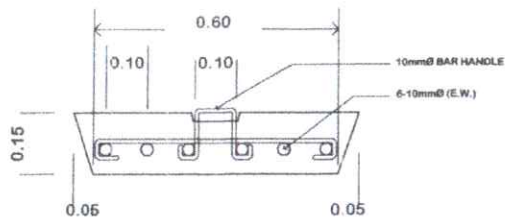
PLAN



SECTION

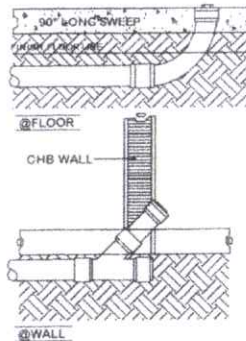
CATCH BASIN DETAIL

SCALE: 1:100M



COVER DETAIL

SCALE: 1:100M



DETAIL OF CLEANOUT

SCALE: 1:100



PREPARED FROM THE OFFICE OF THE REGIONAL OFFICE OF THE ENGINEER DEPARTMENT OF AGRICULTURE REGIONAL OFFICE AGUAYAN, NORTHERN MARIANA ISLANDS REGIONAL AGRICULTURAL ENGINEERING DIVISION	PROJECT TITLE: CONSTRUCTION OF MACHINERY/EQUIPMENT SHED	PREPARED BY: <i>April Diane Casem</i> APRIL DIANE CASSEM TECHNICAL STAFF	CHECKED & REVIEWED BY: <i>Joylene S. Fundacion, ABE</i> JOYLENE S. FUNDACION, ABE SECTION CHIEF, EPI/RS/RAED	RECOMMENDING APPROVAL: <i>Mark Harry G. Pastor, ABE</i> MARK HARRY G. PASTOR, ABE OIC, RAED	APPROVED: <i>Nestor D. Bomenen, CESO IV</i> NESTOR D. BOMENDEN, CESO IV EXECUTIVE DIRECTOR R/AG, REGIONAL EXECUTIVE DIRECTOR	SHEET CONTENTS: AS SHOWN	SHEET NO.: 9 9
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**Republic of the Philippines
Department of Agriculture
Regional Field Office No.1
City of San Fernando, La Union**

SPECIFICATIONS AND SCOPE OF WORK

PROJECT NAME: CONSTRUCTION OF FARM MACHINERY/EQUIPMENT

LOCATION: DA-INREC, Dingras, Ilocos Norte

BRIEF DESCRIPTION: Construction of Farm Machinery/ Equipment Shed w/ Guard Room And Silage Area with a total floor area of 294.75 sq. m.

I. GENERAL REQUIREMENTS (PERMITS AND PROJECT BILLBOARD) 1.00 lot

- The contractor shall be responsible for securing all necessary permits related to the project, which shall include but not limited to building permits, occupancy permit, etc.).
- All related documents shall be submitted to the End User.
- The contractor is responsible to secure and obtain information from the regulatory agencies in municipality for all and any other required permits not listed below. A copy of the required permits shall be submitted to the end user within 24 hours of obtaining such permits.
- Electrical permit and plans (if required by Building Official), is the contractor's responsibility.
- Health department approval and septic connections, contractor's responsibility. Contractor is required to check with the department to obtain information on the required plans and permits, if any.
- The new billboard design layout and dimension shall be install on a standard billboard, measuring 1200mm x 2440mm (4' x 8') using 12mm (1/2 inch) thick marine plywood or tarpaulin posted on 5mm (3/16 inch) marine plywood.
- For each building project, the billboard shall be installed in front of the project site.

II. SAFETY AND HEALTH 1.00 lot

Construction workers must be oriented, instructed and trained by the construction project manager to assure safe handling of equipment and of disposing waste. All employees must have protective equipment for the eyes, face, feet and all crucial body parts when exposed to hazardous work procedures. A safety officer is required onsite for every ten units of heavy equipment to ensure proper handling.

Emergency health personnel and facilities are expected depending on the number of construction personnel. 8

III. MOBILIZATION & DEMOBILIZATION

1.00 lot

The Contractor shall provide all labor and equipment costs necessary to move personnel, equipment, supplies and incidentals to and from the Project Site, establish offices, buildings, and other facilities necessary for the Work, obtain bonds, required insurance and any other pre-construction expenses necessary to perform the Work. This section shall exclude the cost of construction materials.

IV. ESTABLISHMENT OF TEMPORARY FACILITY

1.00 lot

- Provide security and facilities to protect Work, existing facilities, and Owner's operations from unauthorized entry, vandalism, or theft to a degree approved by the Owner.
- Provide temporary insulated weather-tight closure of exterior openings to accommodate acceptable working conditions and protection for Products, to allow for temporary heating and maintenance of required ambient temperatures identified in individual specification sections, and to prevent entry of unauthorized persons.

V. DEMOLITION WORKS

139.53 cu.m.

- A. Demolish and remove existing construction only to the extent required by new construction and as indicated on the drawings. Use methods required to complete the work within limitations of governing regulations and as follows:
 1. Proceed with selective demolition systematically, from higher to lower level.
 2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
 3. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
 4. Do not use cutting torches until work area is clear of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain adequate ventilation when using cutting torches.
 5. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
 6. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
 7. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
 8. Dispose of demolished items and materials promptly.
- B. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted, items may be remove to a suitable, protected storage location during selective demolition, cleaned, and reinstalled in their original locations after selective demolition operations are complete.

VI. RSB WORKS

5726.98 kgs.

- All reinforcement shall be placed in accordance with plans furnished by the Engineer. In case of any doubt or ambiguity in placing of steel, the Contractor shall consult the Engineer whose decision shall be final in such cases.
- All reinforcing steel bars used shall be new and free from rust, oil, defects, grease or links. All loose rust or scale, adhering materials and all oil or either materials which tend to destroy bond between the concrete and the reinforcement shall be removed before placing the steel and before concreting begins.
- Metal reinforcement shall be accurately placed and adequately secured by concrete or metal chair spacers. The minimum distance between the parallel bars shall be one and one-half times the diameter for round bars and twice the side dimensions for square bars. In no case shall the clear distance between bars shall be less one or more than one and one-third times the minimum size of the coarse aggregates. Where bars are used in two or more layers, the bars in the upper layers at distance of not less than one inch.
- All steel reinforcing bars shall be accurately placed and secured against displacement by tying them together at each bar intersection with Gauge No. 16 galvanized iron wire.
- All main reinforcing steel used in the structure shall conform to ASTM Grade 40 (Intermediate Grade) with yield strength of 40 ksi (276 MPa).
- All temperature bars shall conform to ASTM Grade 30 Structural Grade with minimum yield strength of 30 ksi (207 MPa).
- Always apply red oxide for the exposed RSB to eliminate from rusting.

VII. FORM WORKS & SCAFFOLDINGS

1540.00 bd. ft.

1. Provide forms that will produce correctly aligned concrete. Column forms shall be checked for plumpness before concrete is deposited. Hand holes shall be provided in column forms at lowest points of pour lifts to render this space accessible for cleaning.
2. Joints in forms shall be horizontal or vertical. Lumber once used in forms shall be nailed withdrawn and surfaces to be in contact with concrete shall be thoroughly wetted with water in advance of pouring. Woods to be used shall be kiln dried and treated with anti-termite chemical. And all lumber surfaces in contact with concrete and masonry shall receive one brush of bituminous paint.
3. Immediately after the removal of the form, all projecting wires and bolts and other devices used for holding forms shall be cut off at least one-half centimeter beneath the finished surfaces. All holes and defects shall be thoroughly wetted and then painted up solid with cement putty mortar of the same proportions as the mortar. All parts protruding beyond the surfacing shall be treated. Remove all the lines and marks impressed by the form work.

4. Forms shall be removed in a manner which will prevent damage to the concrete and 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 posts or shoring must be placed under the beams or girders until they have attained their strength. Forms shall not be removed until approval of the Design Engineer. Any repair of surface imperfections shall be performed at once and airing shall be started as soon as the surface is sufficiently hard to permit it without further damage.
5. Provide forms that will produce correctly aligned concrete. Column forms shall be checked for plumpness before concrete is deposited. Hand holes shall be provided in column forms at lowest points of pour lifts to render this space accessible for cleaning.
6. Joints in forms shall be horizontal or vertical. Lumber once used in forms shall be nailed withdrawn and surfaces to be in contact with concrete shall be thoroughly wetted with water in advance of pouring. Woods to be used shall be kiln dried and treated with anti-termite chemical. And all lumber surfaces in contact with concrete and masonry shall receive one brush of bituminous paint.
7. Immediately after the removal of the form, all projecting wires and bolts and other devices used for holding forms shall be cut off at least one-half centimeter beneath the finished surfaces. All holes and defects shall be thoroughly wetted and then painted up solid with cement putty mortar of the same proportions as the mortar used in the body of the work. All parts protruding beyond the surfacing shall be treated in such manner as to effectively remove all the lines and marks impressed by the form works.
8. Forms shall be removed in a manner which will prevent damage to the concrete and 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 posts or shoring must be placed under the beams or girders until they have attained their strength. Forms shall not be removed until approval of the Design Engineer. Any repair of surface imperfections shall be performed at once and airing shall be started as soon as the surface is sufficiently hard to permit it without further damage.

VIII. CONCRETE WORKS (CLASS A)

77.00 cu. m.

o Materials

Fine aggregates shall be clean, well graded, hard, natural sand or manufactured sand or a combination of both. The maximum size of the aggregates shall not be larger than one-fifth (1/5) of the narrowest dimension between forms and not larger than three-fourths (3/4) of the minimum clear spacing between reinforcing bars, and in no case larger than two inches in diameter. Coarse aggregates shall be hard, durable, uncoated gravel, crushed gravel, free from any deleterious materials like alkali, loam, silt and any organic matter.

Water used in making the concrete mass shall reasonably clean, potable, and free from injurious amount of oils, acids, alkali organic materials and other deleterious substances.

o Mixing Concrete

No hand mixing shall be allowed except in cases of emergency such as mixer breakdown during pouring operations and shall stop at the first allowed construction joint. All concrete

shall be machine-mixed for at least one and one-half minutes after all materials, including water, are in the mixing drum.

The mixer shall be of approved size and type which will ensure a uniform distribution of materials throughout the mass. It shall be equipped with a device for accurately measuring and controlling the amount of water in each batch.

The first batch of concrete materials placed in the mixer shall contain a sufficient excess of cement, sand and water to coat inside of the drum without reducing the cement content of the mix to be discharged.

- **Specified Compressive Strength**

Class	Psi	MPa
AA	4,000	27.57
A	3,000	20.68
B	2,500	17.23
C	2,000	13.78

- Class AA: For septic tanks and other work as indicated.
- Class A: For slabs, beams, and wall above grade, columns and for all reinforced work not otherwise indicated or specified.
- Class B: For slabs on grade, and the beams, footings and for such concrete work as indicated or specified. (Not indicated in the plan).
- Class C: For all concrete not reinforce except as otherwise indicated or specified. (Not indicated in the plan).

- **Conveying and Placing of Concrete**

Concrete shall be conveyed from mixer to form as rapidly as practicable. There will be no vertical drop greater than 1.50 meters except where suitable equipment is provided to prevent segregation and where specifically authorized by the Architect and or the Structural Engineer or Project Engineer.

Concrete shall be worked readily into the corners and angles of the forms and around all reinforcements and embedded items without permitting materials to segregate. Concrete shall be deposited as close as possible to its final position so that flow within the mass does not exceed two meters and consequently segregation is reduced to a minimum near forms or embedded items, or elsewhere is directed, the discharge shall be so controlled that the concrete may be effectively connected into horizontal layers not exceeding 30 centimeters in depth within the maximum lateral movement specified.

In placing concrete through reinforcement, care shall be taken that no segregation of the coarse aggregate occurs. On the bottom of beams and slabs, where the congestion of steel near the forms makes placing difficult, a layer of mortar of the same cement-sand ratios as used in concrete shall be first deposited to cover the surfaces.

- **Curing**

Compressive strength of concrete at 28 days curing period shall attain 3000 psi (20.7 MPa) with well graded aggregates having a maximum size of 2 inches (50mm).

All plumbing and sanitary work for the building will be done in accordance with the provisions of the National Plumbing Code of the Philippines and such other regulations prescribed by the plumbing and sanitary regulations of the Municipality.

IX. MASONRY WORKS (INCLUDING PLASTERING)

149.00 sq. m.

1. The cells of the concrete hollow blocks to be laid shall be filled with 1:3 cement mortars (1 part Portland cement and three parts sand, by volume). They shall be reinforced with 10mm diameter horizontal deformed bars every three blocks and 10mm diameter vertical bars deformed bars at 400mm O.C. Unless specified on the elevation drawing, the cement plaster mixture for masonry walls shall be 1:3 (1-part cement, and 3 parts sand, by volume).

Minimum Compressive Strength of Concrete Hollow Blocks is as follows:

Class A	900 psi
Class B	750 psi

2. Held in place by horizontal and vertical reinforcing and interior surfaces of hollow blocks shall be thoroughly soaked with water before laying. Hold all units in storage for a period not less than 28 days (including curing period) and do not deliver prior to that time unless strength and other tests indicate compliance with these specifications.
3. Mortar aggregates shall be natural river sand, clean and free from soluble salts and organic matter, graded from fine to coarse, compatible with the thickness of joints in which used. Mix mortar from three to five minutes in such quantities as are needed for immediate use.
4. Lay units in common bond with uniform causing and jointing. All concrete block jointing shall be of uniform thickness. Butler vertical and horizontal jointing full with mortar. Bond course and corners and intersections and tie to abutting walls. Do not lay cracked, broken or deface blocks. Cut edges shall be clean and sharp. The first row of block shall be properly and thoroughly anchored to the concrete columns, walls of slabs. Course shall be laid straight and well plumbed.

Plastering

The Plastering of CHB wall should be 20mm thick using Portland Cement and sand. The mixture ratio should be (1:2).

X. DOORS, WINDOWS AND TOILET PARTITIONS

1.00 lot

(D1) Entrance/Storage Room	Solid Paneled Door 50mm thk Solid Tanguile Wood
(D2) Comfort Rooms	Flush Core Door PVC Type Door
(W1)	6mm thk Aluminum Fra
(W2)	6mm thk Aluminum Fra
(W3)	Decorative Block

5. Upon completion of the painting works, the painting Contractor shall remove any paint spots from all finished work. He shall present his work to the in charge of the Construction, free from blemishes and rubbish generated by his workers.
6. It shall be the painting Contractor's responsibility to protect his work and those of other Contractors during the time his work is underway. He shall be responsible for any damage to the work or property of others caused by his employees or by himself.
7. Before any painting is 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.
8. 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 brands shall be allowed without the consent of the Architect and End user.
9. All other materials specifically indicated and illustrated on plans shall be taken as part of this specification regardless whether or not written and such other materials shall be approved by the end user before they are set in place.

XV. ELECTRICAL WORKS

43.00 outlets

- The builder shall install all materials as indicated in the drawings and the necessary panel boards or circuit breakers. Install all equipment and materials in a neat and professional manner. Leave all exposed parts of the electrical works in a neat, clean and usable condition, with painted surfaces unblemished and polished surfaces re polished. Panel boards to be used shall be flush mounted when located in areas that are visible.
- All electrical works for the building will be done in accordance with the provisions of the Latest Philippine National Electric Code and the rules and regulations of the Electrical Ordinance of the Municipality, and rules and regulations of other governing authorities.
- All works shall follow the pertinent provisions of the latest edition Philippine Electrical Code and its respective implementing rules and regulations together with requirement of the local power company.
- The work shall be of the highest quality and accordance with the latest standards of engineering practices
- The work shall be under the responsible charge of/or supervision of a duly licensed Electrical Engineer or a Master Electrician in conformity with the field of competence of each grade.
- Data presented on this plan are as accurate as preliminary survey that planning can determined, but accuracy is guaranteed and field verification of all dimension is directed of the actual execution of the work this plan is for guidance and assistance, but the levels will be governed by field condition.
- Where field condition requires deviations from plan, all suggested the supervising authorities to avoid unnecessary conflict with other trade should first check change.

XI. CEILING WORKS (INCLUDING EAVES)**290.00 sq. m**

Use ¼" thk fiber cement board with metal furring frame spaced at 600mm on center both ways. Provide carrying channel hanger spaced at every 1200mm. Use 0.60mm thk spandrel for the eaves.

XII. STEEL WORKS**1922.08 kgs.**

Use 2" x 2" x 3/16" thk Angle Bar for the roof trusses.
Use 2" x 3" x 1.2mm thk C-Purlins for the roof framing.

Use 2- 2" x 2" x ¼" thk Angle bar fo Strutt Beam.
Use 130mm x 300mm x 5mm thk Steel Plate for connection of Strutt Beam.

All materials used shall be in paint finish. No welded joints shall be left unpainted or exposed.

XIII. TINSMITHRY WORKS**86.00 ln. m.**

Use 0.60mm thk Pre-painted rib type roofing on a 2" x 3" x 1.2 mm thk c-purlins as its framing.
Use 0.60mm thk Pre-painted gutter on a 2" x 6" x 1.2mm thk as ist fascia board.

See plans for details.

XIV. PAINTING WORKS**1.00 lot**

1. All painting works for this project, except as hereinafter specified, shall be done with the use of paint products.
2. 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 this project. The painting contractor shall store his materials in one place in the building to be kept near and clean, care being taken in the storage of paints, oils, etc. to prevent danger of fire. Oil rags shall be kept in metal containers and shall be removed from the building every end of the working day. All paintings are to be done in good workmanship manner. No painting shall be done on all surfaces before neutralizing and proper sand papering is through. No painting on damp weather is to be done.
3. All concrete surfaces to be painted shall first be coated with concrete neutralizer. Exterior walls shall be finished with Solvent-Based Acrylic Paint, first coated with Penetrating sealer. Interior wall shall be finished with Latex Paint, first Painted with concrete sealer. Steel or iron surfaces must first be painted with anti-rust proofing. All color schemes for painting the building shall be decided by the Architect and end user, to be implemented upon completion of the construction. The Contractor shall submit color samples and finishes for approval by the Architect and End user before final application.
4. Cracks and holes shall be filled with putty compatible with the surface to be painted and the paint materials to be applied. All wooden door jambs and cabinet frames and shelves to come in contact with masonry surfaces must be painted with SOLIGNUM wood preservative.

XVI. PLUMBING WORKS

1.00 lot

- **EXCAVATION**

Trenches of all underground pipelines shall be excavated to the required depth and grades. Bell holes shall be provided so that the pipe will rest on well-thumped solid ground for its entire length. Where rock is encountered, excavation shall extend to a depth six inches below the pipe bottom and before pipe is laid, the space between the bottom of pipe or other approved filling materials.

- **PIPE LAYING**

Pipe in trenches shall be laid true to line and grade on a stable and suitable prepared foundations, each section of the pipe being bedded and bottom of the trench shaped to fit the lowest quadrant of the pipe circumference. All pipes, except concrete pipes, that will run underground shall be protected with concrete, Class "B" casing with a minimum protection of four inches around the perimeter of the pipe, then inches below the finished grade. Where vehicles shall pass over the pipe laying shall be made deeper, depth shall be lower than 0.90 meters. Pipes to be used for water lines must be PPR type.


- **BACKFILLING**

After pipe lines have been tested, inspected and approved prior to the backfilling all forms and bracing shall be removed and the excavated materials cleaned from debris. Materials for backfilling shall be free from large or big rocks. Backfilling shall be placed in horizontal layers, properly moistened and compacted to an optimum density that will prevent excessive settlement and shrinkage. Maximum 6 inches layer of backfill shall be overlaid for another compaction process.

- **INSTALLATION**

Install plumbing fixtures free and open to afford easy access for cleaning. Install plumbing fixture as indicated on drawings, furnishing all brackets, cleats, plates and anchors required to support fixtures rigidly in place. Install all fixtures and accessories in locations directed in accordance with manufacturer's instructions, minimizing pipe fittings. Protect items with approval means to maintain perfect conditions. Remove worked damage or defective and replace with perfect work without extra cost to end user.

Provide in each bathroom and toilet a standard water closet, compact type, complete with fittings and all incidental materials of local procedures or equally good quality. Provide in each bathroom and toilet and other rooms as provided with a standard lavatory, with complete fittings. Showerheads shall be provided in all bathrooms, spray type, shivel head, chrome plated with valve. Provide and set in place soap holders for each bathroom. Provide and set in place holders in each toilet near the water closet. Provide and set in place as shown in the plans, floor drains, and traps complete.

All soil and drainage pipes shall have a minimum slope of 1% and a maximum slope of 2%. Vertical pipes shall be secured strongly by hooks to building frame. Provide suitable brackets or chairs at the floors from which they can start. Where an end or circuit vent pipe from any fixtures or any line of fixtures is connected to a vent line serving other fixtures, connection shall be at least four feet (1.20 meters) above floor in which fixtures are located, to prevent use of any vent line as a waste. Horizontal pipes shall be supported by well-secured strap hangers. 

- **ROUGH-IN**

Provide correctly located opening of proper sizes where required in walls and floors for passing of pipes. All items to be embedded in concrete shall be thoroughly cleaned and free from all rust, scale and paint. All changes in pipe size on soil wash and draft lines shall be provided with reducing fitting or recesses reducers. For changes in pipe sizes, provide reducing fittings. High corrosive natural ground within site shall be taken into account by the plumber. Protective features shall be installed to prevent corrosion of all water pipes installed underground.

Extend piping to all fixtures, outlets and equipment from gate valves installed in the branch, near the riser. All pipes shall be cut accurately to measurements, and worked into place without springing or forcing. Care shall be taken as not to weaken structural portion of the building.

vi. All drain lines shall be graded from the outlet of the tank and distribution box with a downward slope of 0.3 % to 0.5%.

vii. Distance between laterals shall be no less than ninety centimeters with 2.40 meters or more recommended.

viii. The maximum lateral length shall not exceed 25 meters and when more than one lateral is used all trenches shall be the same lengths as near as practical with topographic condition.

ix. In the disposal of septic tank effluent, grease and/or kitchen waste or laundry waste, pumps, dry wells, seepage pits or drain wells shall not be used.

x. The area of absorption field shall be determined from maximum daily sewage flow as estimated after conduction of percolation test.

xi. Distribution boxes shall be provided on all drain field and shall be of sufficient size to accommodate the required number of drain field lines. Each drain field lines shall be connected individually to the distribution box.

xii. Areas for absorption beds of drain fields shall consists of uniform soils free of impervious materials to depth of 1.8 meters and shall give an adequate percolation time under saturated conditions.

3. Plumbing Connections - All plumbing installations shall be in accordance with the National Plumbing Code of the Philippines and shall have proper size installed and maintained as to carry adequate quantities of water and to properly convey sewage and other liquid wastes from the toilet compartments to the sewerage or sewage disposal system.

XVII. SEPTIC TANK

1.00 lot

1. Shall be generally rectangular in shape built of concrete or other materials. Brick or concrete blocks may be used where practical. The walls of the septic tank shall be plastered inside, be water tight and free from leaks. Septic tank of any other type or materials shall need the approval of the health authority before being installed.

2. The septic tank effluent shall be discharged into a subsurface soil absorption field where applicable or shall be treated with some type of purification device. The treated effluent shall conform to the quality standards prescribed by the National Pollution Control Commission. The requirement of absorption field is as follows: ♂

XVII. CATCH BASIN

1.00 cu.m.

Contractor shall construct storm drain manholes in accordance with the Drawings and Standard Details. In the invert of manholes, Contractor shall construct a catch of eighteen inches (18") minimum depth, unless otherwise specified.

After connecting the storm drainpipe to reinforced concrete manhole or catch basin, seal annular space around pipe penetrations with cement mortar, or an approved equal. Cement mortar shall conform to the requirements of ASTM C-150, Type II. After the mortar has firmly set, shall cut the pipe evenly so that no more than two inches (2") of the pipe protrudes into the manhole.

The above specifications are intended for the **CONSTRUCTION OF FARM MACHINERY/EQUIPMENT SHED at DA- INREC, DINGRAS, ILOCOS NORTE**

Prepared and Submitted by:


NATHANIEL C. ACOSTA, CE
Technical Staff

Checked and Reviewed by:


MARK HARRY G. PASTOR, ABE
OIC, RAED

DEPARTMENT OF AGRICULTURE-REGIONAL FIELD OFFICE 1
NAME OF PROCURING ENTITY

PROJECT REFERENCE NO.: _____
 NAME OF PROJECT: _____

**STATEMENT OF ALL ON-GOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET
 STARTED, IF ANY, WHETHER SIMILAR OR NOT SIMILAR IN NATURE AND COMPLEXITY TO THE CONTRACT TO BE BID**

CONTRACT TO BE BID: _____
BUSINESS NAME: _____
BUSINESS ADDRESS: _____

Name of Contract/ Location Project Cost	a. Owner's Name b. Address c. Telephone Nos.	NATURE OF WORK	CONTRACTOR'S ROLE		a. Date Awarded b. Date Started c. Date Completion	% Accomplishment		Value of Outstanding Works
			Description	%		Planned	Actual	

Note: This statement shall be supported with:
 1. Notice of Award and/or Contract
 2. Notice to Proceed issued by the Owner

Submitted by:

Name of Representative of Bidder
Position
 Date: _____

Statement identifying the Bidder's Single Largest Completed Contract (SLCC) similar in nature

Contract to be Bid: _____
 Business Name: _____
 Business Address: _____

Name of Client	a. Owner's Name b. Address c. Telephone Nos.	Title of the Project in the Contract	Nature of Work	a. Date Awarded b. Contract Effectivity c. Date Completed	Contractor's Role (whether sole contractor, subcontractor, or partner in a JV)		a. Total Contract Value at Award b. Total Contract Value at Completion c. Contract Duration
					Description	%	
<u>Government</u>							
<u>Private</u>							

Note: This statement shall be supported with:

1. Notice of Award
2. Notice to Proceed
3. Contract
4. Owner's Certificate of Acceptance OR Constructors Performance Evaluation Summary (CPES) Rating

Submitted by : _____
 (Printed Name and Signature)
 Designation : _____
 Date : _____

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: **DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE 1**
City of San Fernando, La Union

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]

DEPARTMENT OF AGRICULTURE-REGIONAL FIELD OFFICE 1

NAME OF PROCURING ENTITY

Standard Form Number: SF-INFR-48
 Revised on: August 11, 2004

Contract Reference No.: _____

Name of the Contract: _____

Location of the Contract: _____

(LIST) Qualification of Key Personnel Proposed to be Assigned to the Contract

Business Name: _____

Business Address: _____

		Project Manager/Engineer	Materials Engineer	Foreman	Construction Safety and Health Personnel	Other positions deemed required by the Applicant for the project
1	Name					
2	Address					
3	Date of Birth					
4	Employed since					
5	Experience					
6	Previous Employment					
7	Education					
8	PRC Licence					

Minimum Requirements : Project Manager/Engineer
 : Materials Engineer
 : Foreman
 : Foreman

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

Submitted by : _____
 (Printed Name and Signature)

Designation : _____

Date : _____

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz, Project Manager, Project Engineers, Materials Engineers and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel signed written commitment to work for the project once awarded the contract).

DEPARTMENT OF AGRICULTURE-REGIONAL FIELD OFFICE 1
NAME OF PROCURING ENTITY

Contract Reference Number
Name of the Contract
Location of the Contract

- 1. Name : _____
- 2. Name and Address of Owner : _____
- 3. Name and Address of the
Owner's Engineer : _____
(Consultant)
- 3-4. Indicate the Features of Project
(particulars of the project
Components and any other particular
Interest connected with the project): _____
- 5. Contract Amount Expressed in
Philippine currency : _____
- 6. Position : _____
- 7. Structures for which the employee
was responsible : _____
- 8. Assignment Period : from _____ (months)
: to _____ (months)

Name and Signature of Employee

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)

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz, Project Manager, Project Engineers, Materials Engineers and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel signed written commitment to work for the project once awarded the contract). _____ SF-INFR-47b

Standard Form Number: SF-INFR-47
Revised on: August 11, 2004

KEY PERSONNEL
(FORMAT OF BIO-DATA)

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

- Authorized Managing Officer/Representative
- Sustained Technical Employee

1. Name	:	_____
2. Date of Birth	:	_____
3. Nationality	:	_____
4. Education and Degrees	:	_____
5. Specialty	:	_____
6. Registration	:	_____
7. Length of service with the Firm	:	_____
8. Years of Experience	:	_____

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

<u>Name and Address of employer</u>	<u>Length of Service</u>
_____	_____ year(s) from _____ to _____
_____	_____ year(s) from _____ to _____
_____	_____ year(s) from _____ to _____

10. Experience:

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

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz, Project Manager, Project Engineers, Materials Engineers and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel signed written commitment to work for the project once awarded the contract). _____ SF-INFR-47a

DEPARTMENT OF AGRICULTURE-REGIONAL FIELD OFFICE 1
NAME OF PROCURING ENTITY

Contract Reference Number
Name of the Contract
Location of the Contract

Standard Form Number: SF-INFR-46
Revised on: August 11, 2004

Key Personnel's Certificate of Employment

Issuance Date

DIR. NESTOR

Position of the Head of the Procuring Entity

DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE 1

CITY OF SAN FERNANDO, LA UNIONO

Dear Sir/Madame:

I am (Name of Nominee) a Licensed _____ 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 Contract), 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 projects:

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 manage 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 my disqualification as (Designation) in any future (Name of the Procuring Entity) bidding or employment with any Contractor doing business with the Name of the Procuring Entity .

(Signature of Engineer)

DRY SEAL

Republic of the Philippines)
_____) S.S.

SUBSCRIBED AND SWORN TO before me this _____ day of _____ 2022 affiant exhibiting to me his/her Residence Certificate No. _____ issued on _____ at _____.

Notary Public
Until December 31, 20____

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz, Project Manager, Project Engineers, Materials Engineers and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel signed written commitment to work for the project once awarded the contract). _____ SF-INFR-46a

Standard Form Number: SF-INFR-49

Revised on August 11, 2004

LIST OF EQUIPMENT, OWNED OF LEASED and/or under PURCHASE AGREEMENT, PLEDGED TO THE PROPOSED PROJECT

Business Name : _____

Business Address : _____

Description	Model/Year	Capacity/ Performance/ Size	Plate No.	Motor No./ Body No.	Location	Condition	Proof of Ownership/ Lessor or Vendor

List of minimum equipment required for the project

Submitted by : _____

(Print name and affix signature)

Designation : _____

Date : _____

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;

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]

COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)

Summary of the Applicant Supplier's/Distributor's assets and liabilities on the basis of the attached Income Tax Return and Audited Financial Statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent for the immediately preceding year.

		Year 20__
1	Total Assets	
2	Current Assets	
3	Total Liabilities	
4	Current Liabilities	
5	Net Worth (1-3)	
6	Net Working Capital (2-4)	

The Net Financial Contracting Capacity (NFCC), which must be at least equal to the ABC to be bid, based on the above data is calculated as follows:

NFCC = [(Current asset 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

Or,

If the prospective bidder opts to submit a Committed Line of Credit (CLC), it must be at least equal to ten percent (10%) of the ABC to be bid and shall be confirmed or authenticated by a local universal or commercial bank.

Name of Bank _____ Amount _____

Herewith attached are certified true copies of the Income Tax Return and Audited Financial Statement Stamped "RECEIVED" by the BIR authorized collecting agent for the immediately preceding year.

Submitted by:

Name of Supplier/Distributor/Manufacturer

Printed Name and Signature of Authorized Representative

Date:

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date: _____

Project Identification No.: _____

To: **DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE 1**
City of San Fernando, La Union

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 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 allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹² for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, 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: _____