

PHILIPPINE BIDDING DOCUMENTS

**Procurement of
One lot Supply, Delivery and Installation of
the Harvester and Barges' Conveyor System,
Steering Assembly, Controls System, and
Hydraulics System - NEGOTIATED**

Government of the Republic of the Philippines

**Sixth Edition
November 2023**

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; and (iv) the obligations, duties, and/or functions of the winning bidder.

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

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

- a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the Procurement Project, Project Identification Number, and Procuring Entity, in addition to the date of issue.

- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

Table of Contents

| | |
|--|-----------|
| Glossary of Acronyms, Terms, and Abbreviations | 4 |
| Section I. Invitation to Bid..... | 7 |
| Section II. Instructions to Bidders..... | 10 |
| 1. Scope of Bid | 11 |
| 2. Funding Information..... | 11 |
| 3. Bidding Requirements | 11 |
| 4. Corrupt, Fraudulent, Collusive, and Coercive Practices..... | 11 |
| 5. Eligible Bidders..... | 11 |
| 6. Origin of Goods | 13 |
| 7. Subcontracts | 13 |
| 8. Pre-Bid Conference | 13 |
| 9. Clarification and Amendment of Bidding Documents | 14 |
| 10. Documents comprising the Bid: Eligibility and Technical Components | 14 |
| 11. Documents comprising the Bid: Financial Component | 14 |
| 12. Bid Prices | 14 |
| 13. Bid and Payment Currencies | 15 |
| 14. Bid Security | 15 |
| 15. Sealing and Marking of Bids | 16 |
| 16. Deadline for Submission of Bids | 16 |
| 17. Opening and Preliminary Examination of Bids | 16 |
| 18. Domestic Preference | 16 |
| 19. Detailed Evaluation and Comparison of Bids | 16 |
| 20. Post-Qualification | 17 |
| 21. Signing of the Contract | 17 |
| Section III. Bid Data Sheet | 18 |
| Section IV. General Conditions of Contract | 20 |
| 1. Scope of Contract | 21 |
| 2. Advance Payment and Terms of Payment | 21 |
| 3. Performance Security | 21 |
| 4. Inspection and Tests | 21 |
| 5. Warranty | 22 |
| 6. Liability of the Supplier | 22 |
| Section V. Special Conditions of Contract | 23 |
| Section VI. Schedule of Requirements | 28 |
| Section VII. Technical Specifications | 29 |
| Section VIII. Checklist of Technical and Financial Documents | 32 |

Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria (*e.g.*, the application of a margin of preference in bid evaluation).

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



**INVITATION TO BID FOR
Procurement of One lot Supply, Delivery and Installation of the
Harvester and Barges' Conveyor System, Steering Assembly,
Controls System, and Hydraulics System-Rebidding**

1. The *METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER* through the *MIRDC FY 2023 GIA Project entitled "Development of Floating Solid Waste Collector System for DENR" Other Professional Services* intends to apply the sum of **Six Million Eight Hundred Thousand Pesos (Php6,800,000.00)** being the ABC to payments under the contract for *Procurement of Procurement of One lot Supply, Delivery and Installation of the Harvester and Barges' Conveyor System, Steering Assembly, Controls System, and Hydraulics System –Rebidding per PR#23112041*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER* now invites bids for the above Procurement Project. Delivery of the Goods is ninety (90) calendar days from the date of acceptance of Notice to Proceed (NTP). Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the 2016 revised IRR of RA No. 9184.

4. Prospective Bidders may obtain further information from *Ms. Mary Grace B. Opon/ Kristine A. Gealan, BAC Secretariat, MIRDC* and inspect the Bidding Documents at the address given below during *office hours, from Monday to Friday, 7:00 A.M. to 4:00 PM*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on December 18, 2023 from the given address and through this website www.mirdc.dost.gov.ph and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Six Thousand Eight Hundred Pesos (P6,800.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.
6. The *METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER* will hold a Pre-Bid Conference on December 4, 2023 (9:00am) at DOST-MIRDC COMPOUND, GOLD BLDG, NEW MERCURY CONFERENCE ROOM, which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below on or before *December 22,2023 (9:00 am)*. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on *December 22,2023 (9:00 am)* at the given address below and/or via *zoom application*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The Bidders shall submit Three (3) sets of their Eligibility/Technical Documents and Financial Documents which are contained in two separately sealed envelopes, properly marked. All three sets will be wrapped together by a manila paper, properly marked, signed and sealed
11. The *METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

RODNEL O. TAMAYO

BAC Chairperson

Metals Industry Research and Development Center

MIRDC Compound, Gen. Santos Ave., Bicutan, Taguig City

Tel. No. 837-0431 local 442 and 444

bac@mirdc.dost.gov.ph Fax No. 837-0430

www.mirdc.dost.gov.ph

13. You may visit the following websites:

For downloading of Bidding Documents: www.mirdc.dost.gov.ph

Engr. Robert O. Dizon

Executive Director

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, *METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER* wishes to receive Bids for the Procurement of One lot Supply, Delivery and Installation of the Harvester and Barges' Conveyor System, Steering Assembly, Controls System, and Hydraulics System *per PR23112041*;

The Procurement Project (referred to herein as "Project") is composed *Procurement of One lot Supply, Delivery and Installation of the Harvester and Barges' Conveyor System, Steering Assembly, Controls System, and Hydraulics System*, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for FY 2023 in the amount of **Six Million Eight Hundred Thousand Pesos (Php6,800,000.00)**

2.2. The source of funding is:

MIRDC FY 2023 GIA Project *"Development of Floating Solid Waste Collector System for DENR"*

3. Bidding Requirements

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

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

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

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

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

5. Eligible Bidders

- 5.1. Only Bids or Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. *[Select one, delete other/s]*
- a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
 - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
 - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
 - iii. When the Goods sought to be procured are not available from local suppliers; or
 - iv. When there is a need to prevent situations that defeat competition or restrain trade.
 - b. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

[Select one, delete the other/s]

- a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
- b. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty-five percent (25%) of the ABC.
- c. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of public bidding: the Bidder should comply with the following requirements: *[Select either failure or monopoly of bidding based on market research conducted]*

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies*] of the ABC for this Project; and
 - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

The Procuring Entity has prescribed that:

Pls refer to Terms of Reference

- 7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.2. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.
- 7.3. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on December 4, 2023 (9:00am) at DOST-MIRDC COMPOUND, GOLD BLDG, NEW MERCURY CONFERENCE ROOM.

9. Clarification and Amendment of Bidding Documents

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

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within *five(5) years* prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of 7RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

- a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in the **BDS**.
- b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in the **BDS**.

13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in:

- a. Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration¹ or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until *one hundred twenty (120) calendar days from the date of opening of bids*. Any Bid not accompanied by an

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

acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit three (3) copies of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

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

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

18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

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 the 2016 revised IRR of RA No. 9184.

- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case may be. In this case, the Bid Security as required by **ITB** Clause 14 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:

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

20. Post-Qualification

- 20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, 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

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet

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

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

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

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

Bid Data Sheet

| ITB Clause | |
|------------|---|
| 5.3 | <p>For this purpose, contracts similar to the Project shall be:</p> <ol style="list-style-type: none"> a. The winning bidder (or joint venture) must submit contract documentations of at least three (3) projects involving the supply, delivery, fabrication, machining, installation and commissioning of fabricated mechanical equipment with integrated hydraulic and control systems (electronic or electrical). b. The submitted projects must be of comparable complexity - they must contain multiple hydraulic actuators consisting of at least two (2) hydraulic motors or at least four (4) hydraulic cylinders. c. The winning bidder must have at least five (5) years' experience in the fabrication, supply and delivery of various mechanical, hydraulics, and control systems (electrical/electronic). d. completed within five (5) years prior to the deadline for the submission and receipt of bids. |
| 7.1 | <p><i>[Specify the portions of Goods to be subcontracted, which shall not be a significant or material component of the Project as determined by the Procuring Entity.]</i> <i>Pls see Terms of reference</i></p> |
| 12 | <p>The price of the Goods shall be quoted DDP (<i>BRGY. PATUNHAY, CARDONA RIZAL OR OTHER TESTING SITES WITHIN METRO MANILA TO BE IDENTIFIED BY MIRDC TEAM</i>) or the applicable International Commercial Terms (INCOTERMS) for this Project.</p> |
| 14.1 | <p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> a. The amount of not less than <i>two percent (2%) of ABC</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than <i>five percent (5%) of ABC</i> if bid security is in Surety Bond. |
| 19.3 | <p><i>[In case the project will be awarded by item, list each item indicating its quantity and ABC.]</i></p> <p><i>Procurement of One lot Supply, Delivery and Installation of the Harvester and Barges' Conveyor System, Steering Assembly, Controls System, and Hydraulics System per PR#23112041</i> <i>ABC: Six Million Eight Hundred Thousand Pesos (Php6,800,000.00)</i></p> |
| 20.2 | <p><i>For purposes of post-qualification , the following are required to be submitted:</i></p> |

| | |
|------|--|
| | <p><i>a. Latest Income and business tax returns filed and paid through the BIR electronic and filing and payment system; and</i></p> <p><i>Articles of Incorporation / Articles of Partnership / DTI Certificate whichever is applicable</i></p> |
| 21.2 | <i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i> |

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

1. Scope of Contract

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

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

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section VII (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 5.1 In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 5.2 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

| GCC Clause | |
|------------|--|
| 1 | <p><i>[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]</i></p> <p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered [Final functional testing to Brgy. Patunhay, Cardona, Rizal or other testing sites within Metro Manila to be identified by the MIRDC team]. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered [Final functional testing to Brgy. Patunhay, Cardona, Rizal or other testing sites within Metro Manila to be identified by the MIRDC team]. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is (Final functional testing to Brgy. Patunhay, Cardona, Rizal or other testing sites within Metro Manila to be identified by the MIRDC team)</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ol style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided |

| | |
|--|---|
| | <p>that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</p> |
| | <p>e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</p> <p>f. <i>[Specify additional incidental service requirements, as needed.]</i></p> <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ol style="list-style-type: none"> 1. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and 2. in the event of termination of production of the spare parts: <ol style="list-style-type: none"> i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested. <p>The spare parts and other components required are listed in Section VI (Schedule of Requirements) and the costs thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of <i>[indicate here the time period specified. If not used indicate a time period of three times the warranty period]</i>.</p> <p>Spare parts or components shall be supplied as promptly as possible, but in any case, within <i>[insert appropriate time period]</i> months of placing the order.</p> |

| | |
|--|---|
| | <p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p> |
| | <p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p> |

| | |
|-----|---|
| | <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p> |
| | <p>Regular and Recurring Services –</p> <p><i>[In case of contracts for regular and recurring services, state:]</i> “The contract for regular and recurring services shall be subject to a renewal whereby the performance evaluation of the service provider shall be conducted in accordance with Section VII. Technical specifications.”</p> |
| 2.2 | <p>“The terms of payment shall be as follows: GOVERNMENT PAYMENT TERMS: BANK TRANSFER WITHIN 15 DAYS UPON ACCEPTANCE OF GOODS / SERVICES/.</p> |
| 4 | <p>The inspections and tests that will be conducted are: <i>[Pls see technical specifications]</i></p> |

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

| Item Number | Description | Quantity | Total | Delivered, Weeks/Months |
|--------------------|--------------------|-----------------|--------------|--------------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Section VII. Technical Specifications

Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

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

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words “*or at least equivalent.*” References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

In case of Renewal of Regular and Recurring Services, the Procuring Entity must indicate here the technical requirements for the service provider, which must include the set criteria in the conduct of its performance evaluation.

Technical Specifications

[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]

| TECHNICAL SPECIFICATIONS | State here “COMPLY ” OR “NOT COMPLY” |
|---|--|
| <p style="color: #008080;">DUE TO FILE SIZE, THE TECHNICAL SPECIFICATIONS ARE ATTACHED SEPARATELY</p> <p style="color: #008080;">NOTE: PLS INDUCATE “COMPLY’ OR “NOT COMPLY” AGAINST EACH INDIVIDUAL REQUIREMENTS</p> | COMPLY |
| Sample requirement | COMPLY |
| Sample requirement | COMPLY |

Section VIII. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. Any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) **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 for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) 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**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) 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

- (g) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC) **or** A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class “B” Documents

- (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

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

- (j) Original of duly signed and accomplished Price Schedule(s).

Other documentary requirements under RA No. 9184 (as applicable)

- (k) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (l) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

BID FORMS

APPENDIX “1”

Bid Form for the Procurement of Goods
[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

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

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

If our Bid is accepted, we undertake:

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

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

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

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

| |
|-------|
| _____ |
| _____ |
| _____ |

(if none, state “None”)]

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

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

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

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

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

Name: _____

Legal capacity: _____

Signature: _____

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

Date: _____

Price Schedule for Goods Offered from Abroad

Name of Bidder _____.

Invitation to Bid² Number _____.

Page ____ of ____.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------|-------------|-------------------|----------|---|--|--|--------------------------------------|---------------------------------------|
| Item | Description | Country of origin | Quantity | Unit price CIF port of entry (specify port) or CIF named place (specify border point or place of destination) | Total CIF or CIF price per item (col. 4 x 5) | Unit Price Delivered Duty Unpaid (DDU) | Unit price Delivered Duty Paid (DDP) | Total Price delivered DDP (col 4 x 8) |
| | | | | | | | | |

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

² If ADB, JICA and WB funded projects, use IFB.

Price Schedule for Goods Offered From Within the Philippines
 Name of Bidder _____.

Invitation to Bid³ Number _____
 Page ____ of ____.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|-------------|-------------------|----------|-------------------------|---|--|--|-------------------------------------|---|
| Item | Description | Country of origin | Quantity | Unit price EXW per item | Transportation and Insurance and all other costs incidental to delivery, per item | Sales and other taxes payable if Contract is awarded, per item | Cost of Incidental Services, if applicable, per item | Total Price, per unit (col 5+6+7+8) | Total Price delivered Final Destination (col 9) x (col 4) |
| | | | | | | | | | |

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____.

³ If ADB, JICA and WB funded projects, use IFB.

Contract Agreement Form for the Procurement of Goods (Revised)

[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT made the ____ day of _____ 20____ between [name of PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called “the Supplier”) of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures in specified currency]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
 - i. Philippine Bidding Documents (PBDs);
 - i. Schedule of Requirements;
 - ii. Technical Specifications;
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
 - ii. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including

corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- iii. Performance Security;
 - iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
 - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid. 4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

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

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

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

AFFIDAVIT

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

1. *[Select one, delete the other:] [If a sole proprietorship:]* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

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

2. *[Select one, delete the other:] [If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of

[Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

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

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

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. *[Select one, delete the rest:]*
[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree; *[If a partnership or cooperative:]* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with**

unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

Bank Guarantee Form for Advance Payment
(if winning bidder will request 15% mobilization fee)

To : DOST - METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

**Gen. Santos Avenue, Bicutan
Taguig City 1631**

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 10 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called the "Supplier") shall deposit with the PROCURING ENTITY a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the PROCURING ENTITY on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the PROCURING ENTITY and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

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

I/We, the undersigned, declare that:

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED
REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

Jurat

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

STATEMENT OF SINGLE LARGEST COMPLETED GOVERNMENT OR PRIVATE CONTRACTS

Within five (5) years from the date of submission of bids which is similar in nature and the amount of which should be equivalent to at least fifty (50%) or greater than the ABC.

Please fill up the required information below:

| No. | Contract Name | Contract & Contract duration | Date | Owner's name and address | Kinds of Goods/Services | Amount of Contract | Value of Outstanding Contracts | Date of Delivery | Government or Private ("G" or "P") |
|-----|---------------|------------------------------|------|--------------------------|-------------------------|--------------------|--------------------------------|------------------|------------------------------------|
| 1 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |

Total: _____

Note: This statement shall be supported with:

1. Notices of Award and/or Notices to Proceed/ Contract;
2. Official Receipts issued for the contract
3. Certificate of Acceptance, if applicable

Submitted by : _____
(Printed Name & Signature)

Designation : _____

Date : _____

STATEMENT OF ALL ON-GOING GOVERNMENT OR PRIVATE CONTRACTS

Please fill up the required information below:

| No. | Contract Name | Contract Date & Contract Duration | Owner's name, address and contact number | Kinds of Goods/Services | Amount of Contract | Value of Outstanding Contracts | Date of Delivery | Government or Private ("G" or "P") |
|-----|---------------|-----------------------------------|--|-------------------------|--------------------|--------------------------------|------------------|------------------------------------|
| 1 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |

Total: _____

Note: Supporting documents are not required.

Submitted by : _____

(Printed Name & Signature)

Designation : _____

Date : _____

COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)

This is to certify that our **Net Financial Contracting Capacity (NFCC)** is **Philippine Pesos** _____ (_____ PhP) which is at least equal to the Approved Budget for the Contract (ABC). The amount is computed as follows:

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

| | | |
|---|----|-------|
| Current Assets | ₱ | _____ |
| Less: Current Liabilities | | _____ |
| Net Current Assets | | |
| Multiply by: | 15 | _____ |
| | ₱ | |
| Less: Value of On-going Contracts & Awarded contracts yet started | | _____ |
| NFCC | ₱ | _____ |

CERTIFIED CORRECT:

Name of Company:

Signature of Authorized Representative:

Name and Designation:

Date:

Notes:

1. The values of the bidder's current assets and current liabilities be based on the latest Audited Financial Statements (2020) which includes the data submitted to BIR through its Electronic Filing and Payment System.
2. Value of all outstanding or uncompleted contracts refers those listed in your Statement of All its Ongoing Government and Private Contracts.
3. The detailed computation using the required formula must be shown as provided above.

Republic of the Philippines





Procurement of One (1) Lot Supply, Delivery, and Installation of the Harvester and Barges' Conveyor System, Steering Assembly, Controls System, and Hydraulics System

Approved Budget for the Contract (ABC): PhP 6,800,000.00

| Item | Technical Specifications |
|--|--|
| A. For one (1) Unit Harvester | |
| 1. Conveyor system fabrication | Included |
| 1. Size | |
| 2. Frame design and specifications | Refer to Conveyor System Drawings (Chain wheels to be supplied by MIRDC) |
| 3. Conveyor design and specifications | |
| 4. Color | Gray and black |
| 5. Finish/coating | Surface finish - 2 primers (epoxy), 1 topcoat (marine) |
| 6. Hydraulic motors mounting provisions | Refer to Conveyor System Drawings |
| 7. Hydraulic cylinders mounting provisions | |
| 8. All couplings, fixtures, connectors (bolts, screws, nuts, locks and lock washers, etc.) | Included |
| 2. Propulsion and steering assembly fabrication | Included |
| 1. Size | Refer to Steering Assembly Drawings (Propellers to be supplied by MIRDC) |
| 2. Materials schedule | Gray and black |
| 3. Color | Surface finish - 2 primers (epoxy), 1 topcoat (marine) |
| 4. Finish/coating | |
| 5. Mounting to harvester provisions | Refer to Steering Assembly Drawings |
| 6. Hydraulic motors mounting provisions | |
| 7. Hydraulic cylinders mounting provisions | |
| 8. All couplings, fixtures, connectors (bolts, screws, nuts, locks and lock washers, etc.) | Included |
| 3. 4D35 engine to main hydraulic pump connection | (To be supplied by MIRDC) |
| 1. Size | Refer to Engine Mountings Drawings |
| 2. Materials schedule | Gray |
| 3. Color | Surface finish - 2 primers(epoxy), 1 topcoat (standard) |
| 4. Finish/coating | Included (Engine unit will be provided by MIRDC) |
| 5. Fabrication and installation | Included |
| 6. All fixtures | |
| 4. Hydraulic components | |
| 1. Fittings, elbows, locks, etc. | |
| 2. Hydraulic valve set | 1. Present the specifications and hydraulic circuit of your offers that meet the hydraulic requirements. |
| 3. Oil filter | |
| 4. Hydraulic pump | |

| | |
|--|---|
| 5. Hydraulic hose and clamps | 2. Integration of hydraulic oil water cooling for the hydraulic system to be included. Cooling pipes to be supplied by MIRDC. 3. Include provision for future air cooling of the hydraulic system, in case the water cooling system is not enough. |
| 6. Flow dividers | |
| 5. Two (2) units Hydraulic oil tanks | |
| 1. Volume | 200L each for a total capacity of 400L |
| 2. Material | Mild steel with paint (epoxy), at least 3mm thickness |
| 3. Dimensions | Please submit drawing of hydraulic tanks, for approval |
| 6. Hydraulic oil | Included |
| 1. Viscosity | Viscosity grade 68 |
| 7. Hydraulic cylinders | Included |
| 1. One (1) unit for propeller tilting | Refer to Figure H1.1, and Table A1.5-6 |
| 2. One (1) unit for propeller steering | |
| 3. Two (2) units for top conveyor | Refer to Figure H1.0 and Table A1.3-4 |
| 4. Two (2) units for bottom conveyor | |
| 8. Hydraulic motors | Included |
| 1. Two (2) units for propellers | Refer to Figure H1.1, Table A1.7 |
| 2. Two (2) units for cutters | Refer to Figure H1.0, Table A1.0-2 |
| 3. One (1) unit for front conveyor | |
| 4. One (1) unit for storage conveyor | |
| 9. Control panel set | Included |
| 1. Five (5) units of gauge set | Refer to Figure C1.0 and Table P1.0 |
| 2. Two (2) units of push buttons | |
| 3. One (1) unit of ignition Key | |
| 4. One (1) unit of emergency Stop | |
| 5. Five (5) units of joysticks | |
| 6. One (1) unit of toggle Switch | |
| 7. Two (2) units of selector Switch | |
| B. For two (2) Units Barges | |
| 1. Conveyor system fabrication | Included |
| 1. Size | Refer to Conveyor System Drawings |
| 2. Frame schedule | |
| 3. Conveyor schedule | |
| 4. Color | Gray and black |
| 5. Finish/coating | Surface finish - 2 primers(epoxy), 1 topcoat (marine) |

| | | |
|---|--|---|
| 6. Hydraulic motors mounting provisions | Refer to Conveyor System Drawings | |
| 7. Hydraulic cylinders mounting provisions | | |
| 8. Outboard motors' mounting provisions | | |
| 2. GX390T2 LBP Mega Engines to hydraulic pumps connection | | (To be supplied by MIRDC) |
| 1. Size | | Refer to Engine Mountings Drawings |
| 2. Materials schedule | | Gray |
| 3. Color | | Surface finish - 2 primers(epoxy), 1 topcoat (standard) |
| 4. Finish/coating | | Included (Engine unit will be provided by MIRDC) |
| 5. Fabrication and installation | Included | |
| 6. All fixtures | Included | |
| 3. One (1) unit hydraulic oil tank | Included | |
| 1. Volume | 60L capacity | |
| 2. Material | Mild steel with paint (epoxy), 3mm thickness | |
| 3. Dimensions | Please submit drawing of hydraulic tanks, for approval | |
| 4. Hydraulic oil | Included | |
| 1. Viscosity | Viscosity grade 68 | |
| 5. Hydraulic motor | | |
| 1. One (1) unit for barge conveyor | Refer to Figure H2.0 and Table B1.0 | |
| 6. Control systems | | |
| 1. Two (2) units of gauge set | Refer to Figure C2.0 and Table P2.0 | |
| 2. One (1) unit of lever set | | |
| 7. Hydraulic components | | |
| 7.1 Fittings, elbows, locks etc | | |
| 7.2 Hydraulic valve | | |
| 7.3 Oil filter | | |
| 7.4 Hydraulic pump | | |
| 7.5 Hydraulic hose and clamp | | |
| C. Hydraulic system requirements | <ol style="list-style-type: none"> 1. Present the specifications and hydraulic circuit of your offer that meet the hydraulic requirements. 2. Include provision for future hydraulic cylinders, for barge's front support <ul style="list-style-type: none"> • These requirements apply to all drawings and tables included in this Terms of Reference. • The hydraulic system must be designed to achieve the functions of both the harvester and barges as outlined in this Terms of Reference. • Solenoid operated valves to control the flow of the hydraulic system electronically in the harvester. • Lever operated valves for two (2) barges • Rust-proof fittings, elbows, locks - stainless steel for actuators exposed to water, steel for those with no contact with water. • The hydraulic system for both harvester and barges must be designed to an operating pressure of 125 bar. • The harvester's hydraulically-driven mechanical systems must function as outlined in this Terms of Reference | |

| | |
|---|---|
| | <ul style="list-style-type: none"> • The required RPMs of concerned hydraulic motors in the harvester must be achieved with the 4D35 engine running at nominal RPM of 1600. • The required RPMs of concerned hydraulic motors in the barges must be achieved with the GX390T2 LBP Mega engine running at nominal RPM of 1800. • There must be no flow control valves for the hydraulic motors in both the harvester's and barges' hydraulic circuits. |
| <p>D. Control system requirements</p> | <ul style="list-style-type: none"> • The control system must be designed to achieve the functions of both harvester and barges as outlined in this Terms of Reference. • 24VDC power supply in the whole harvester's control system components • Lever directional valves for barges • Marine grade electrical wires with cable lugs • Engraved word labels, with font style Arial and size 12 bold for component name and size 10 for control options, on metal sheets for all control components, please refer to Figures C1.0 and C2.0 • Water splash proof of control components (IP65 rating) • Industrial rated controls • Rust proof controls • Coated with dielectric grease for protection of electrical connections • A DC motor coupled and mounted to the engine's throttle valve controls the output RPM, depending on the mode selector switch. • With capacitive proximity sensors installed in the propeller assembly for the automatic positioning of the maneuvering cylinder. |
| <p>E. Fabrication, delivery, and testing</p> | <p>Delivered, installed, and initially tested to the shipyard of the hulls' fabricator/s. The winning bidder shall provide all of the materials, labor, and equipment (i.e., crane, truck, etc.) related to the delivery, testing and commissioning of Goods.</p> <p>Final functional testing to Brgy. Patunhay, Cardona, Rizal or other testing sites within Metro Manila to be identified by the MIRDC team. The winning bidder shall provide all of the materials, labor, and equipment related to the testing and commissioning of Goods.</p> <p>The winning bidder shall provide a comprehensive activities schedule indicating the detailed milestone of the harvester's construction process on the time of execution of various activities leading to the completion of the contract in the form of Gantt Chart.</p> <p>The winning bidder shall provide the board/lodging/staff house of two (2) MIRDC authorized personnel who will</p> |

| | |
|--|---|
| | <p>inspect the contractor's works for the whole duration of fabrication, delivery, testing and commissioning.</p> <p>The winning bidder should go to their installation area/s upon the approval of the MIRDC team.</p> |
| <p>F. Test requirements for Conveyors</p> | <ul style="list-style-type: none"> • Functional testing for all of the conveyors • Functional testing for steering assembly <p>The winning bidder shall conduct all tests in the presence of MIRDC authorized inspector/personnel.</p> <p>Once the trials are completed, machineries and equipment will be inspected, correcting any irregularities present, & repeating the trials if necessary.</p> <p>Winning bidder should shoulder the cost of fuel for the complete testing services requested.</p> |
| <p>G. Test requirements for Hydraulic Systems</p> | <ul style="list-style-type: none"> • Leak test • Visual inspection • Noise and vibration • Air, water, and particulate contamination • Hydraulic oil temperature monitoring <p>The winning bidder shall conduct all tests in the presence of MIRDC authorized inspector/personnel.</p> <p>Once the trials are completed, machineries and equipment will be inspected, correcting any irregularities present, & repeating the trials if necessary.</p> |
| <p>H. Test requirements for Control Systems</p> | <ul style="list-style-type: none"> • Functional testing in each component • Temperature and pressure gauges monitoring • Electrical issues • Inaccurate components <p>The winning bidder shall conduct all tests in the presence of MIRDC authorized inspector/personnel.</p> <p>Once the trials are completed, machineries and equipment will be inspected, correcting any irregularities present, & repeating the trials if necessary.</p> |
| <p>I. Inspections</p> | <ul style="list-style-type: none"> • The MIRDC technical inspection staffs can inspect the fabrication of conveyors, steering assembly, mountings, and other necessary standard parts (at any time) and will be given free access to the shop of the winning bidder, and all means to satisfy requirements. • MIRDC inspectors have the right to reject any defective materials and can scrap the piece of work as may be deemed necessary. |
| <p>J. Maintenance support</p> | <p>One (1) year of maintenance support, free parts and service, including but not limited to preventive maintenance (PMS)</p> |

| | |
|--|---|
| | <p>every six (6) months for hydraulic line checkups, conveyor and steering assembly inspections and testing activities. Replacement of hydraulic oil in both harvester and barges during PMS.</p> |
| K. Warranty | <p>One (1) year free parts and labor/services</p> |
| L. Local training | <p>The winning bidder shall provide operations and maintenance training to MIRDC authorized personnel/s for at least one (1) day on the conveyors, hydraulics, controls and powering system to be conducted at Brgy. Patunhay, Cardona Rizal or other testing sites within Metro Manila, as specified by the MIRDC team.</p> |
| M. Acceptance | <p>Delivered, tested, commissioned in shipyard as witnessed/accepted by DOST-MIRDC personnel and/or authorized personnel. They shall provide all the labor and materials for the test-run.</p> <p>The whole system must be functional and should conform to the technical specifications, plans, and drawings as indicated in this TOR.</p> <p>All tests and trials should pass the criteria and is likewise acceptable to the MIRDC team. Additionally, the winning bidder should prepare all the documentations (i.e., images, videos, data tabulations, certifications, etc.) signed by the bidder's authorized personnel and be submitted in both printed and electronic copies.</p> <p>Winning bidder should shoulder the cost of fuel (for barges' engines, connected to hydraulic pump) and hydraulic oils for the complete testing of harvester and barges, until it is accepted by the end-user.</p> <p>All switches, push buttons (if any), and other controls should be properly labelled and named.</p> |
| N. Other requirements | <ul style="list-style-type: none"> The winning bidder (or joint venture) must have an in-house Hydraulics Engineer and Controls Engineer with experience and understanding with each specialization. |
| O. Similar contract | <ul style="list-style-type: none"> The winning bidder (or joint venture) must submit contract documentations of at least three (3) projects involving the supply, delivery, fabrication, machining, installation and commissioning of fabricated mechanical equipment with integrated hydraulic and control systems (electronic or electrical). The submitted projects must be of comparable complexity - they must contain multiple hydraulic actuators consisting of at least two (2) hydraulic motors or at least four (4) hydraulic cylinders. The winning bidder must have at least five (5) years' experience in the fabrication, supply and delivery of various mechanical, hydraulics, and control systems (electrical/electronic). |
| P. Intellectual property rights | <p>The winning bidder shall execute a non-disclosure agreement with the Procuring Entity.</p> |

| <p>Q. Fabrication, delivery, and commissioning period</p> | <p>Ninety (90) Calendar Days from receipt of Notice to Proceed (NTP).</p> <p>Deliverables stated in this TOR shall be completed on or before the deadline as specified.</p> | | | | | | | | | | | | | | | | |
|---|--|--|---|------|---------------------|---------------|--|--|---|----------------|---|-----------------------------|---|---------------|--|---------------------------|---|
| <p>R. Operations and maintenance manuals (English)</p> | <p>One (1) hard copy and one (1) electronic copy</p> | | | | | | | | | | | | | | | | |
| <p>S. Terms of payment</p> <p>1. Advance Payment (Mobilization fee)</p> <p>A. The Supplier shall, upon written request be allowed to collect advance payment an amount not exceeding fifteen percent (15%) of the total contract price. The advance payment shall be made only upon submission to and acceptance by the MIRDC of an irrevocable standby letter of credit of equivalent value from a commercial bank or a bank guarantee or advance payment bond.</p> <p>B. Supplier shall repay the advance payment by deducting an amount equal to the percentage of the total contract price used for the advance payment from each progress payment until the advance payment is fully liquidated.</p> <p>2. Progress Payment</p> <p>A. Progress Billing shall be made with the following scheme based on the actual computed area of accomplishment:</p> <table border="1" data-bbox="207 1115 1414 1654"> <thead> <tr> <th data-bbox="207 1115 363 1199">Progress Billing</th> <th data-bbox="370 1115 792 1199">Deliverables</th> <th data-bbox="799 1115 1029 1199">Date</th> <th data-bbox="1036 1115 1414 1199">Percentage of Claim</th> </tr> </thead> <tbody> <tr> <td data-bbox="207 1207 363 1312">First Billing</td> <td data-bbox="370 1207 792 1312">Complete fabrication of Harvester and Barges' conveyors, hydraulics, and controls.</td> <td data-bbox="799 1207 1029 1312">Upon completing 35% of the work activity</td> <td data-bbox="1036 1207 1414 1312">35% of Project as assessed & certified by the TWG</td> </tr> <tr> <td data-bbox="207 1320 363 1425">Second Billing</td> <td data-bbox="370 1320 792 1425">Complete installation and initial testing of Harvester's conveyors, hydraulics, and controls.</td> <td data-bbox="799 1320 1029 1425">35 days after first billing</td> <td data-bbox="1036 1320 1414 1425">70% of Project as assessed & certified by the TWG</td> </tr> <tr> <td data-bbox="207 1434 363 1654">Final Billing</td> <td data-bbox="370 1434 792 1654">Complete installation and testing of two (2) units Barges' conveyors, hydraulics, and controls; and Delivery and final testing of Harvester and Barges on the allocated testing site.</td> <td data-bbox="799 1434 1029 1654">100% of the work activity</td> <td data-bbox="1036 1434 1414 1654">100% Accomplishment of Project as assessed & certified by the TWG</td> </tr> </tbody> </table> <p>A. All progress billings shall be supported by a Statement of Work Accomplishment which shall be validated by MIRDC and the consultant/designer.</p> | | Progress Billing | Deliverables | Date | Percentage of Claim | First Billing | Complete fabrication of Harvester and Barges' conveyors, hydraulics, and controls. | Upon completing 35% of the work activity | 35% of Project as assessed & certified by the TWG | Second Billing | Complete installation and initial testing of Harvester's conveyors, hydraulics, and controls. | 35 days after first billing | 70% of Project as assessed & certified by the TWG | Final Billing | Complete installation and testing of two (2) units Barges' conveyors, hydraulics, and controls; and Delivery and final testing of Harvester and Barges on the allocated testing site. | 100% of the work activity | 100% Accomplishment of Project as assessed & certified by the TWG |
| Progress Billing | Deliverables | Date | Percentage of Claim | | | | | | | | | | | | | | |
| First Billing | Complete fabrication of Harvester and Barges' conveyors, hydraulics, and controls. | Upon completing 35% of the work activity | 35% of Project as assessed & certified by the TWG | | | | | | | | | | | | | | |
| Second Billing | Complete installation and initial testing of Harvester's conveyors, hydraulics, and controls. | 35 days after first billing | 70% of Project as assessed & certified by the TWG | | | | | | | | | | | | | | |
| Final Billing | Complete installation and testing of two (2) units Barges' conveyors, hydraulics, and controls; and Delivery and final testing of Harvester and Barges on the allocated testing site. | 100% of the work activity | 100% Accomplishment of Project as assessed & certified by the TWG | | | | | | | | | | | | | | |

B. All payments made to the Supplier shall be subjected to the required two percent (2%) Expanded Withholding Tax (EWT), five percent (5%) Final Withholding Tax on Government Money Payments (GMP), and five percent (5%) retention fee from every Progress Billing.

C. Retention Money

The total retention fee shall be due for release after one year from acceptance of the works.

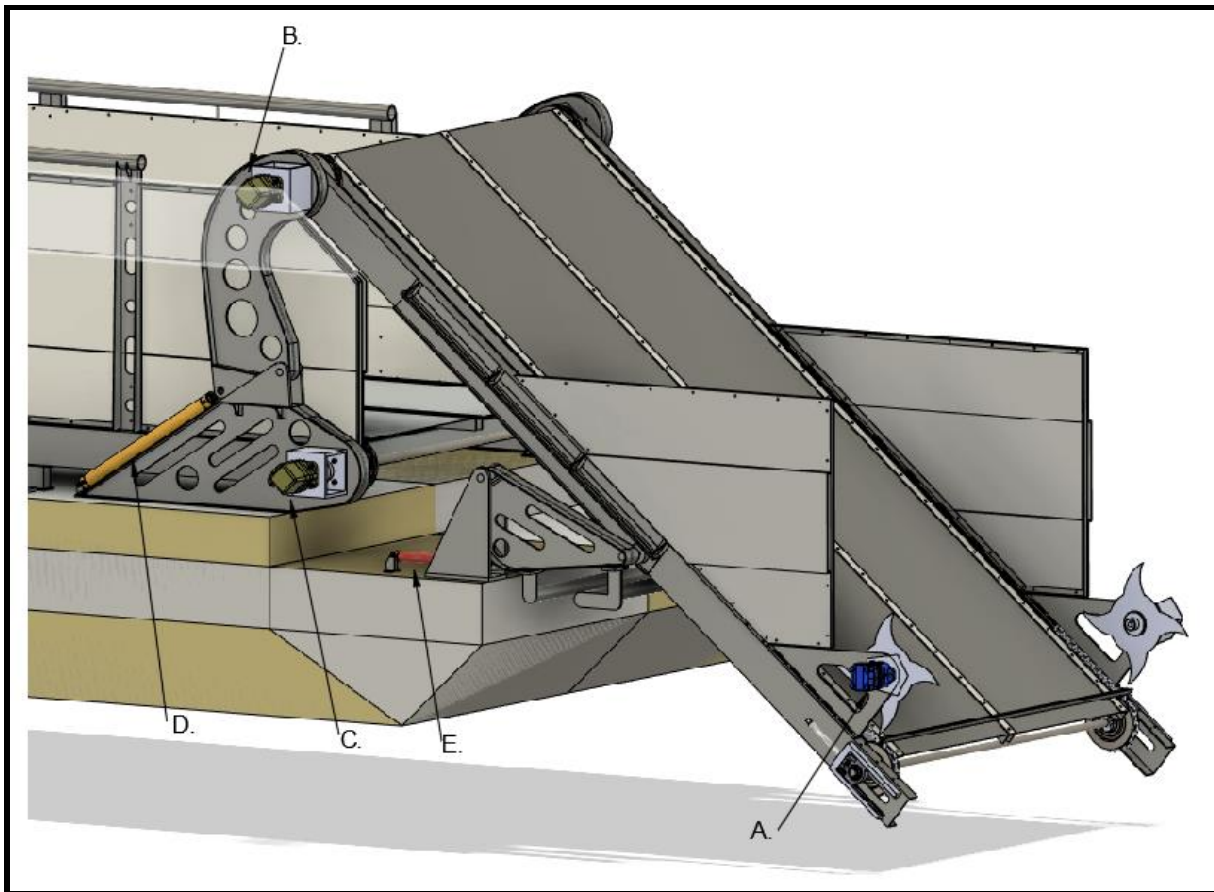


Figure H1.0 - Harvester's front and storage conveyors

| A. Cutter motor | Requirements |
|-----------------|----------------|
| Quantity | 2 pcs. |
| Power | 0.3 kW ea |
| Speed | 400 to 500 RPM |

| B. Front conveyor motor | Requirements |
|-------------------------|--------------|
| Quantity | 1 pc. |
| Power | 1.2 kW |
| Speed | 50 RPM |

| | |
|-----------------------------|-------------|
| Torque | 11 N-m |
| Shaft | Cylindrical |
| Mounting (Provide drawings) | 2 holes |

Table A1.0 Cutter

| | |
|-----------------------------|-------------|
| Torque | 300 N-m |
| Shaft | Cylindrical |
| Mounting (Provide drawings) | 4 holes |

Table A1.1 Front Conveyor

| C. Storage conveyor motor | Requirements | D. Top Cylinder | Requirements |
|----------------------------------|---------------------|---------------------------|---------------------|
| Quantity | 1 pc | Qty. | 2 pcs |
| Power | 2.62 kW | Type | Double acting |
| Speed | 50 RPM | Total load | 8 kN |
| Torque | 600 Nm | Stroke length of cylinder | 575 mm |
| Shaft | Cylindrical | Cylinder rod fork | Knuckle |
| Mounting (Provide drawings) | holes | Mounting style | Cap fixed clevis |
| | | Type of bracket | Single clevis |
| | | Rod diameter | 30mm |
| | | Bore diameter | 50mm |
| | | Speed | 25mm/sec |

Table A1.2 Storage Conveyor

Table A1.3 Top Cylinder

| E. Bottom Cylinder | Requirements |
|---------------------------|---------------------|
| Qty. | 2 pcs |
| Type | Double acting |
| Total load | 10.612 kN |
| Stroke length of cyl. | 380 mm |
| Cylinder rod fork | Rod clevis |
| Mounting style | Cap fixed clevis |
| Type of bracket | Single clevis |
| Rod diameter | 30mm |
| Bore diameter | 50mm |
| Speed | 25mm/sec |

Table A1.4 Bottom Cylinder

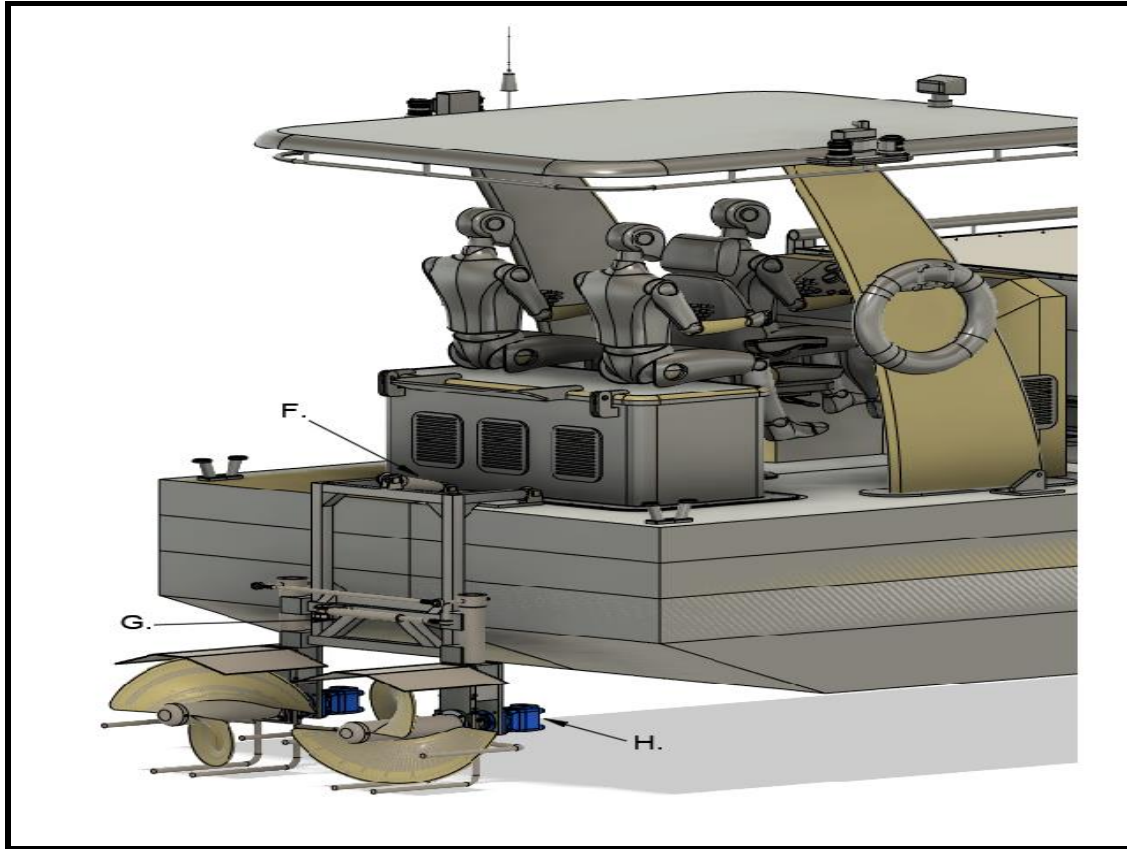


Figure H1.1- Harvester's propeller assembly

| F. Tilting cylinder | Requirements |
|-----------------------|-------------------|
| Qty. | 1 pc |
| Type | Double acting |
| Total load | 20 kN |
| Stroke length of cyl. | 150 mm |
| Cylinder rod fork | Knuckle |
| Mounting style | Cap fixed clevis |
| Type of bracket | double lug clevis |
| Rod diameter | 30mm |
| Bore diameter | 50mm |
| Speed | 25mm/sec |

Table A1.5 Tilting Cylinder

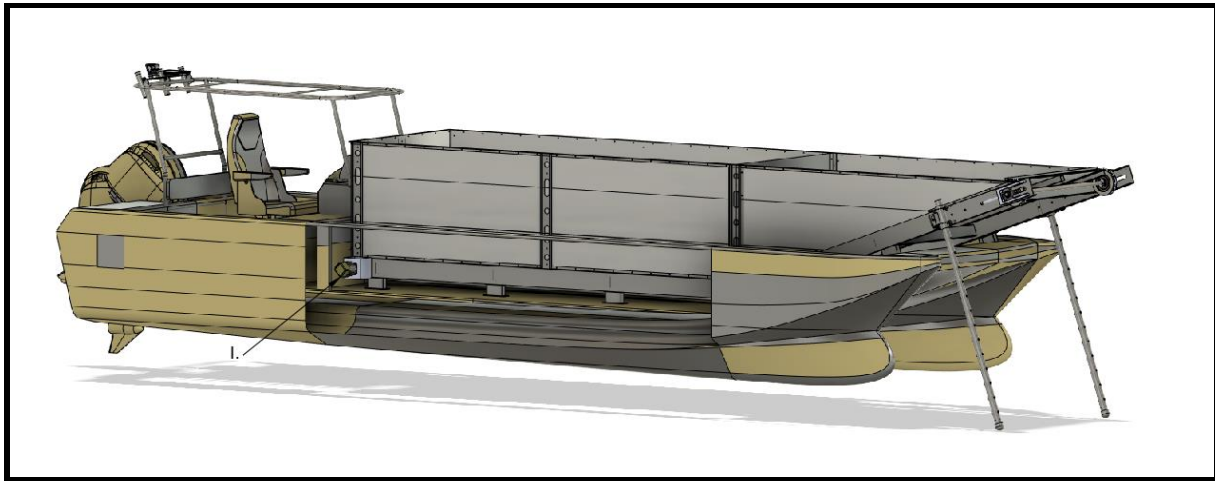
| Maneuvering cylinder | Requirements |
|-----------------------|---------------------------|
| Qty. | 1 pc |
| Type | Double acting |
| Total load | 20 kN |
| Stroke length of cyl. | 350 mm |
| Cylinder rod fork | Knuckle |
| Mounting style | Spherical bearing cap end |
| Type of bracket | double lug clevis |
| Rod diameter | 30mm |
| Bore diameter | 50mm |
| Speed | 25mm/sec |

Table A1.6 Maneuvering Cylinder

| H. Propeller motors | Requirements |
|---------------------|---|
| Qty. | 2 pcs |
| Power | 20 kW ea. |
| Speed | 600 RPM at Transit Mode 300 RPM at Harvesting Mode |
| Torque | 340 Nm |

| H. Propeller motors | Requirements |
|-----------------------------|--------------|
| Qty. | 2 pcs |
| Shaft | Splined |
| Mounting (Provide drawings) | 4 holes |

Table A1.7 Propeller Motors



Barge Hydraulic Layout- Figure H2.0

| I. Barge conveyor | Requirements |
|-----------------------------|--------------|
| Qty. | 1 pc |
| Power | 2.5 kW |
| Speed | 50 RPM |
| Torque | 600 Nm |
| Shaft | Cylindrical |
| Mounting (Provide drawings) | 4 holes |

Table B1.0 Barge Conveyor

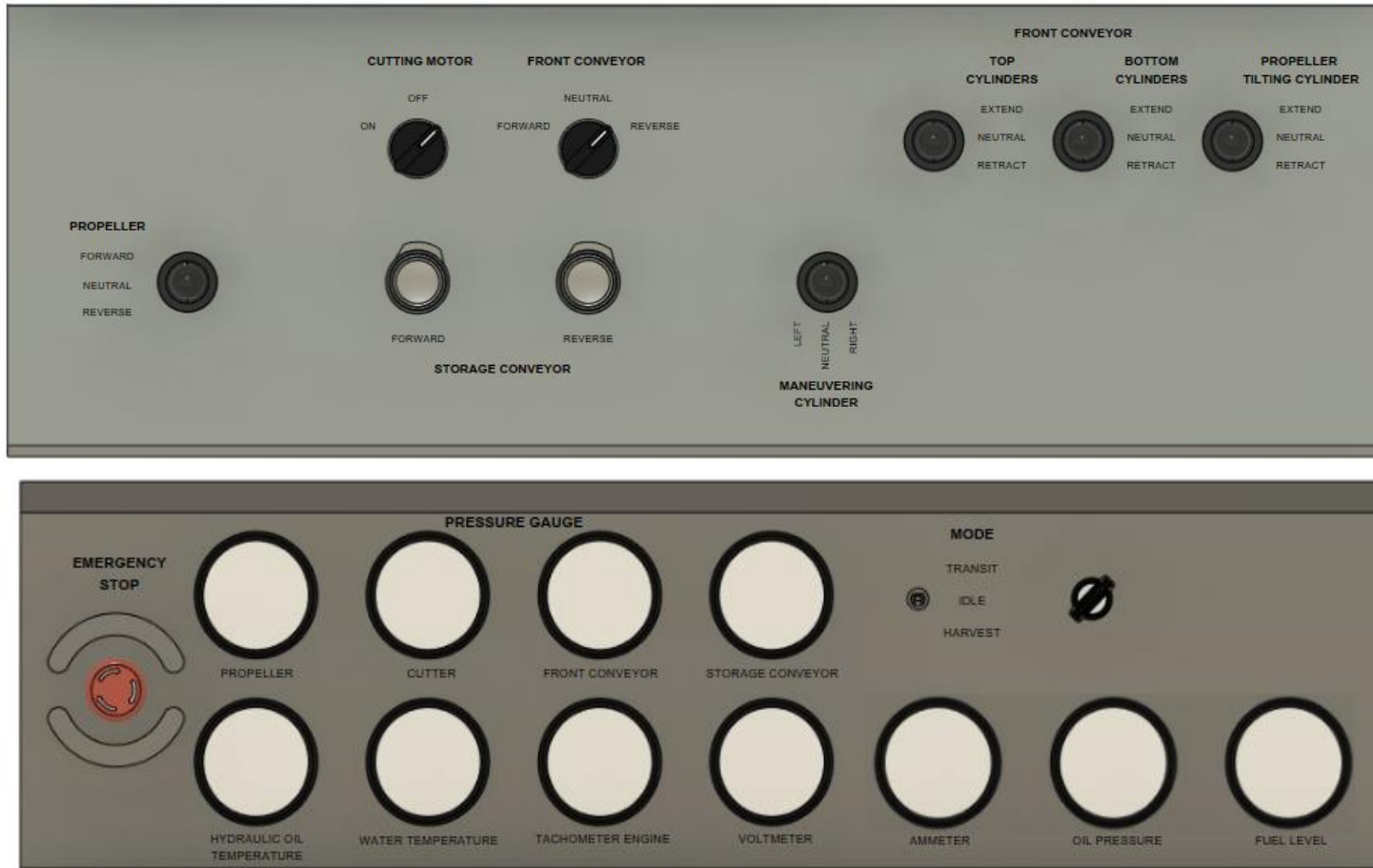


Figure C1.0 Harvester's Operator Control Panel with metal-engraved label

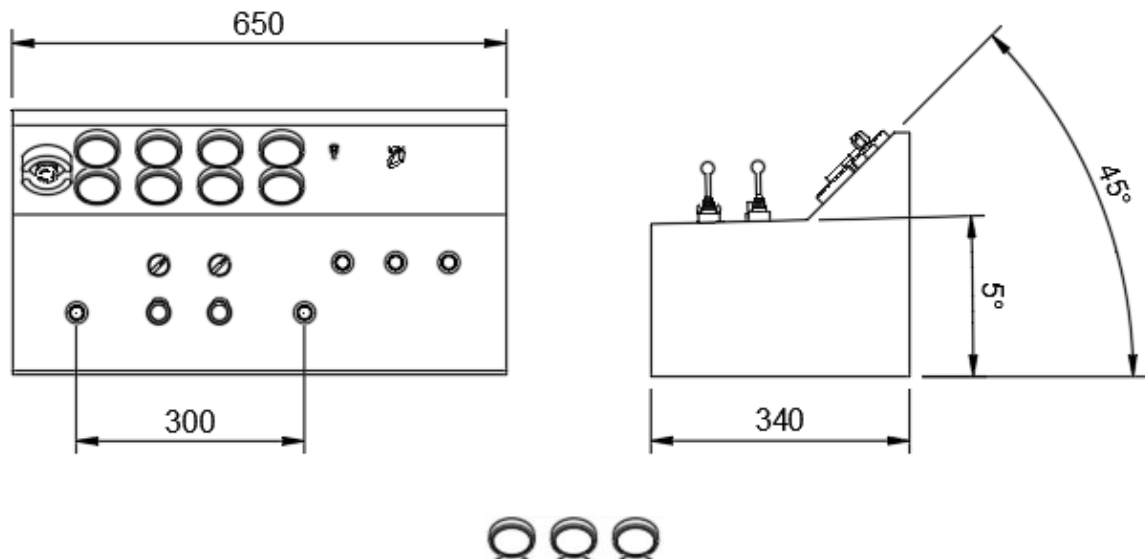


Figure C1.1 Harvester's Operator Control Panel Layout

| Panel Components | Sub Components | Labels | Function | How to use |
|---------------------------------|-----------------------|---------------|--|---------------------------|
| Toggle Switch for Selector mode | Idle mode | IDLE | Sets the engine condition to idle | Toggle to center position |
| | Transit mode | TRANSIT | <p>Sets the engine output to the power setting required for transit.</p> <p>The propulsion hydraulic motors must operate at the required RPM for transit mode.</p> <p>In this mode, only the harvester's cylinders and propulsion hydraulic motors can be engaged. All other hydraulic motors cannot be engaged.</p> | Toggle to upper position |
| | Harvesting mode | HARVEST | <p>Sets the engine output to the power setting required for harvesting mode.</p> <p>The engine output must automatically adjust to the required engine RPM needed for all required actuators to operate at required RPM.</p> <p>The propulsion hydraulic motors must operate at the required RPM for harvesting mode.</p> <p>In this mode, all hydraulic motors and cylinders can be engaged.</p> <p>The hydraulic system must be designed such that all continuously activated hydraulic motors in this mode are operating at required RPM.</p> | Toggle to lower position |
| | Front conv. forward | FORWARD | Continuously rotate forward | Turn to left position |

| | | | | |
|------------------------------------|--------------------------------------|---------|---|--------------------------------------|
| Selector switch for front conveyor | Front conv. reverse | REVERSE | Continuously rotate backward | Turn to right position |
| | Front conv. stop | NEUTRAL | Back to its neutral position | Turn to middle position |
| Selector switch for cutter disk | Cutting motor forward | ON | Continuously rotate forward | Turn to left position |
| | Cutting motor stop | OFF | Stop | Turn to middle position |
| Push buttons for storage conveyor | Storage conv. forward | FORWARD | Momentarily rotate forward | Press momentarily |
| | Storage conv. reverse | REVERSE | Momentarily rotate backward | Press momentarily |
| Joystick for propeller motor | Propeller forward | FORWARD | Momentarily rotate forward | Push forward momentarily |
| | Propeller reverse | REVERSE | Momentarily rotate backward | Pull backward momentarily |
| | Propeller stop | NEUTRAL | Back to its neutral position | Automatically returns when un-pulled |
| Joystick for maneuvering cylinder | Maneuvering cylinder retract | LEFT | Harvester is turning left while forwarding | Push towards left momentarily |
| | Maneuvering cylinder extend | RIGHT | Harvester is turning right while forwarding | Push toward right momentarily |
| | Maneuvering cylinder middle position | NEUTRAL | Automatically return to the middle position | Automatically returns when unpulled |
| Joystick for top cylinders | Top cylinders extend | EXTEND | Positions the front conveyor to its discharge mode | Push forward momentarily |
| | Top cylinders retract | RETRACT | Positions the front conveyor to its harvest mode | Pull backward momentarily |
| | Top cylinders stop | NEUTRAL | Holds its position | Automatically returns when unpulled |
| Joystick for bottom cylinder | Bottom cylinders extend | EXTEND | Positions the front conveyor to its discharge mode | Push forward momentarily |
| | Bottom cylinders retract | RETRACT | Positions the front conveyor to its harvesting mode | Pull backward momentarily |

| | | | | |
|---|--------------------------|------------------|---|--------------------------------------|
| | Bottom cylinders stop | NEUTRAL | Holds its position | Automatically returns when un-pulled |
| Joystick for tilting cylinder | Tilting cylinder extend | EXTEND | Moves propellers assembly to its transit position | Push forward momentarily |
| | Tilting cylinder retract | RETRACT | Moves propellers assembly to its rest position | Pull backward momentarily |
| | Tilting cylinder stop | NEUTRAL | Holds its position | Automatically returns when un-pulled |
| Push and pull button for emergency stop | Emergency stop | EMERGENCY STOP | Cuts all the control system when triggered, all actuators must stop | Press toward |
| Key knob | Starter motor | | Starts of the diesel engine | Turn right |
| Hydraulic pressure gauge | Propeller | PROPELLER | Monitors pressure of propellers | Analog gauge |
| | Cutter | CUTTER | Monitors pressure of cutter | Analog gauge |
| | Front conveyor | FRONT CONVEYOR | Monitors pressure of front conveyor | Analog gauge |
| | Storage conveyor | STORAGE CONVEYOR | Monitors pressure of storage conveyor | Analog gauge |
| Hydraulic temperature gauge | Hydraulic oil | HYDRAULIC OIL | Monitors temperature of hydraulic oil | Analog gauge |

*engine gauges not mentioned in the table above are not to be supplied

Table P1.0 Harvester's Control Components

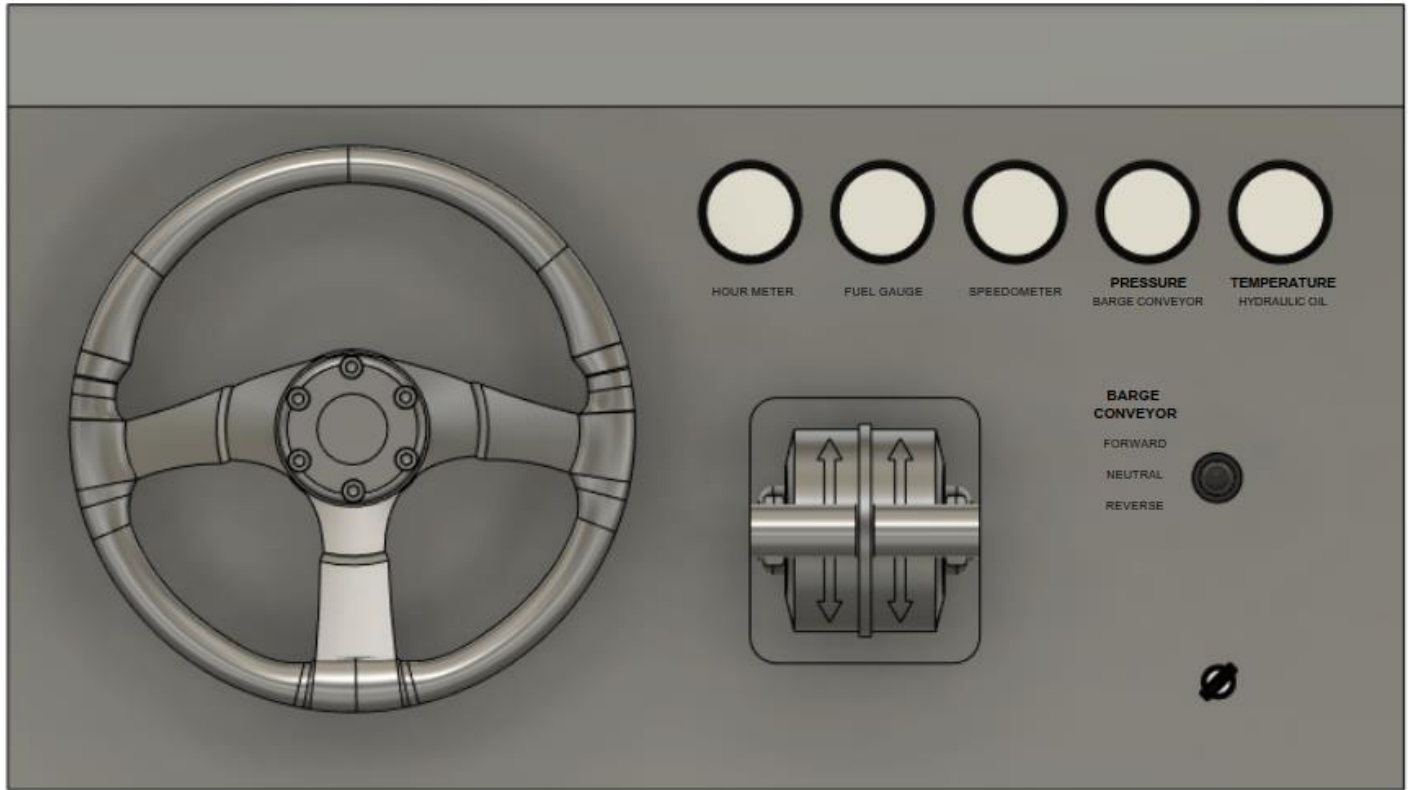


Figure C2.0 Barge's Operator Control Panel with metal-engraved label

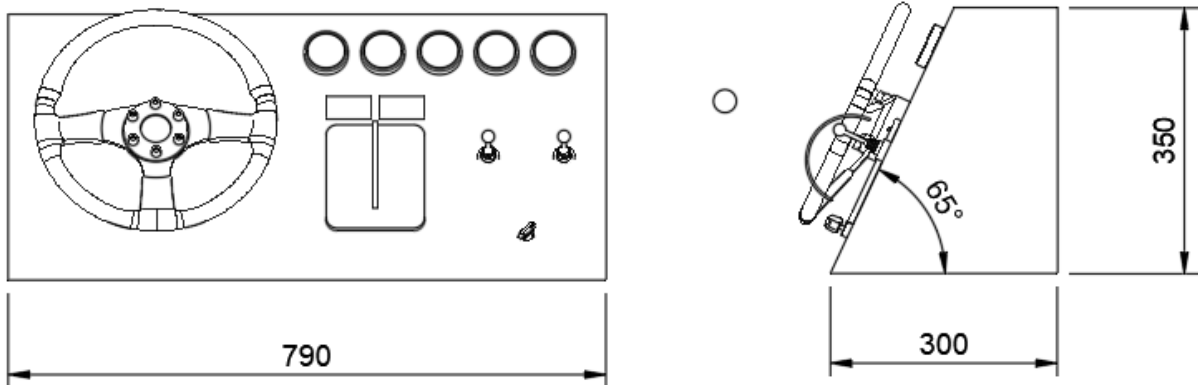


Figure C2.1 Barge's Operator Control Panel Layout

| Panel Components | Sub Components | Labels | Function | How to use |
|------------------|------------------------|---------|----------------------------|--------------------------|
| | Barge conveyor forward | FORWARD | Momentarily rotate forward | Push forward momentarily |

| | | | | |
|--|------------------------|------------------|---|--------------------------------------|
| Hydraulic lever valve for barge conveyor | Barge conveyor reverse | REVERSE | Momentarily rotate backward | Pull backward momentarily |
| | Barge conveyor stop | NEUTRAL | Back to its neutral position | Automatically returns when un-pulled |
| Hydraulic pressure gauge | Barge conveyor | STORAGE CONVEYOR | Monitors pressure of the barge conveyor | Analog gauge |
| Hydraulic temperature gauge | Hydraulic oil | HYDRAULIC OIL | Monitoring temperature of the hydraulic oil | Analog gauge |

*engine gauges not mentioned in the table above are not to be supplied

Table P2.0 Barge’s Control Components