



REPUBLIC OF THE PHILIPPINES
NATIONAL POWER CORPORATION
(Pambansang Korporasyon sa Elektrisidad)

BID DOCUMENTS

**Name of Project : AG4 REHABILITATION OF 2 X 45 TONS OVERHEAD
CRANE VALVE CHAMBER OF POWERHOUSE OF
AGUS 4 HPP**

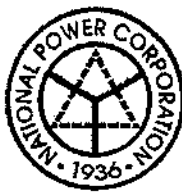
P.R. NO. : MG-A5M24-004

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SECTION I

INVITATION TO BID



National Power Corporation

INVITATION TO BID

PUBLIC BIDDING – BCS 2024-0197

- The NATIONAL POWER CORPORATION (NPC), through its approved Corporate Budget of CY 2024 intends to apply the sum of **(Please see schedule below)** being the Approved Budget for the Contract (ABC) to payments under the contract. Bids received in excess of the ABC shall be automatically rejected at Bid opening.

PR Nos./PB Ref No. & Description	Similar Contracts	Pre-bid Conference	Bid Submission / Opening	ABC/ Amt. of Bid Docs
MG-A5M24-004 / PB240416-RA00177 AG4 Rehabilitation of 2 x 45 Tons Overhead Crane Valve Chamber of Powerhouse of Agus 4 HPP	Rehabilitation, Technical Servicing, Test and Commissioning of Overhead Crane Travelling Crane of at least 30 Tons Capacity	04 April 2024 9:30 A.M.	16 April 2024 9:30 A.M.	₱ 18,000,000.00 / ₱ 25,000.00
Venue: Kañao Function Room, NPC Bldg. Diliman, Quezon City				

- The NPC now invites bids for Items listed above. Delivery of the Goods is required (see table below) specified in the Technical Specifications. Bidders should have completed, within (see table below) 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. (Instruction to Bidders).

PR No/s. / PB Ref No/s.	Delivery Period / Contract Duration	Relevant Period of SLCC reckoned from the date of submission & receipt of bids
MG-A5M24-004	Ninety (90) Calendar Days	Fifteen (15) Years

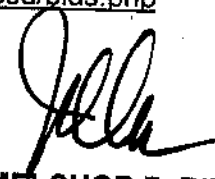
- Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

- Prospective Bidders may obtain further information from National Power Corporation, Bids and Contracts Services Division and inspect the Bidding Documents at the address given below during office hours (8:00AM to 5:00PM), Monday to Friday.
- A complete set of Bidding Documents may be acquired by interested Bidders from the given address and website(s) and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. Bidding fee may be refunded in accordance with the guidelines based on the grounds provided under Section 41 of R.A. 9184 and its Revised IRR.
- The National Power Corporation will hold Pre-Bid Conference (see table above) and/or through video conferencing or webcasting which shall be open to prospective bidders. Only registered bidder/s shall be allowed to participate in the conduct of virtual pre-bid conference. **Unregistered bidders may attend the Pre-Bid Conference at the Kañao Room, NPC subject to the following:**

- a. Only a maximum of two (2) representatives from each bidder / company shall be allowed to participate during the virtual pre-bid conference.
 - b. Wearing of Face Masks is recommended but not required in view of Proclamation No. 297 S.2023 lifting the State of Public Health Emergency Throughout the Philippines
 - c. The requirements herein stated including the medium of submission shall be subject to GPPB Resolution No. 09-2020 dated 07 May 2020
 - d. The Guidelines on the Implementation of Early Procurement Activities (EPA) shall be subject to GPPB Circular No. 06-2019 dated 17 July 2019
7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below; (ii) online or electronic submission before the specified time stated in the table above for opening of bids. 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 in the Kañao Function Room, NPC Head Office, Diliman, Quezon City and/or via online platform to be announced by NPC. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
 10. The National Power Corporation 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 R.A. No. 9184, without thereby incurring any liability to the affected bidder or bidders.
 11. For further information, please refer to:
**Bids and Contracts Services Division,
Logistics Department**
Gabriel Y. Itchon Building
Senator Miriam P. Defensor-Santiago Ave. (formerly BIR Road)
Cor. Quezon Ave., Diliman, Quezon City, 1100
Tel Nos.: Tel Nos.: 8921-3541 local 5564/5713
Email: bcسد@napocor.gov.ph
 12. You may visit the following websites:

For downloading of Bidding Documents: <https://www.napocor.gov.ph/bcsd/bids.php>



ATTY. MELCHOR P. RIDULME
Vice President, Office of the Legal Counsel and
Chairman, Bids and Awards Committee

SECTION II

INSTRUCTIONS TO BIDDERS

SECTION II – INSTRUCTIONS TO BIDDERS

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SECTION II – INSTRUCTIONS TO BIDDERS

1. Scope of Bid

The National Power Corporation (NPC or NAPOCOR) wishes to receive Bids for the Rehabilitation of 2x45 Tons Overhead Crane Valve Chamber of Powerhouse of Agus 4 HPP, with identification number MG-A5M24-004.

The Procurement Project (referred to herein as "Project") is composed of one (1) lot and will be awarded to one (1) Bidder in one complete contract, the details of which are described in Section VI (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for CY 2024 in the amount of ₱ 18,000,000.00.

2.2. The source of funding is the Corporate Operating Budget of the National Power Corporation.

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

- 5.2. Foreign ownership exceeding those allowed under the rules may participate when 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.

The foreign bidder claiming eligibility by reason of their country's extension of reciprocal rights to Filipinos shall submit a certification from the relevant government office of their country stating that Filipinos are allowed to participate in their government procurement activities for the same item/product. The said certification shall be validated during the post-qualification of bidders.

- 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 at least fifty percent (50%) of the ABC.
- 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

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the BDS, which shall not exceed twenty percent (20%) of the contracted Goods.

- 7.2. 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 the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the IB.

9. Clarification and Amendment of Bidding Documents

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

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in Section VIII (NPCSF-GOODS-01 - Checklist of Technical and Financial Documents).
- 10.2. The Bidder's SLCC as indicated in ITB Clause 5.3 should have been completed within Fifteen (15) 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.
- 10.4. The Statement of the bidder's Single Largest Completed Contract (SLCC) (NPCSF-GOODS-03) and List of all Ongoing Government & Private Contracts Including Contracts Awarded but not yet Started (NPCSF-GOODS-02) shall comply with the documentary requirements specified in the **BDS**.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in Section VIII (NPCSF-GOODS-01 - 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 RA 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 Philippine Pesos.

14. Bid Security

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

14.2. The Bid and bid security shall be valid for **One Twenty (120) calendar** days from the date of opening of bids. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit two (2) copies of the first and second components of its Bid, marked **Original** and photocopy. Only the original copy will be read and considered for the bid.

Any misplaced documents outside of the **Original** copy will not be considered. The photocopy is **ONLY FOR REFERENCE**.

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 maybe. 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 VI (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 to one (1) Bidder in one complete 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

20.1. 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

ITB Clause	
5.3	<p>For this purpose, similar contracts shall refer to rehabilitation, technical servicing, test, and commissioning of overhead crane travelling crane of at least 30 tons capacity.</p> <p>The Single Largest Completed Contract (SLCC) as declared by the bidder shall be verified and validated to ascertain such completed contract. Hence, bidders must ensure access to sites of such projects/equipment to NPC representatives for verification and validation purposes during post-qualification process.</p> <p>It shall be a ground for disqualification, if verification and validation cannot be conducted for reasons attributable to the Bidder.</p>
7.1	<p>Subcontracting may be allowed on transport, local/non-skilled labor under the supervision of the Bidder. The Bidder shall not be relieved from any liability or obligation that may arise from the performance of the Subcontractor.</p>
10.1	<p>The prospective bidder shall submit a valid and updated Certificate of PhilGEPs Registration under Platinum Membership (all pages including the Annex A of the said Certificate). Non-compliance shall be a ground for disqualification.</p>
10.4	<p>The list of on-going contracts (Form No. NPCSF-GOODS-02) shall be supported by the following documents for each on-going contract to be submitted during Post-Qualification:</p> <ol style="list-style-type: none"> 1. Contract/Purchase Order and/or Notice of Award 2. Certification coming from the project owner/client that the performance is satisfactory as of the bidding date/signed Status Report as of the bidding date from the Bureau of Construction containing relevant details of slippage, if any, for the declared on-going contracts with Department of Public Works and Highways (DPWH) <p>The bidder shall declare in this form all his on-going government and private contracts including contracts where the bidder (either as individual or as a Joint Venture) is a partner in a Joint Venture agreement other than his current joint venture where he is a partner. Non declaration will be a ground for disqualification of bid.</p> <p>The Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid (Form No. NPCSF-GOODS-03) shall be supported by the following documents to be submitted during Bid Opening:</p> <ol style="list-style-type: none"> 1. Certificate of Acceptance; or Certificate of Completion; or Official Receipt (O.R); or Sales Invoice <p>Any single bidder/s who already procured/secured the bidding documents but want to avail the Joint Venture Agreement (JVA) shall inform the BAC in writing prior to the bid opening for records and documentation purposes.</p>

<p>10.5</p>	<p>Bidders shall also submit the following requirements in their first envelope, Eligibility and Technical Component of their bid:</p> <ol style="list-style-type: none"> 1. Data and Information to be submitted with the Proposal as specified in of Clause TS-9.0(a) of Section VI - Technical Specifications; 2. Complete eligibility documents of the proposed sub-contractor, if any
<p>12</p>	<p>The price of the Goods shall be quoted DDP Project Site or the applicable International Commercial Terms (INCOTERMS) for this Project.</p>
<p>14.1</p>	<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 two percent (2%) of ABC, 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 five percent (5%) of ABC, if bid security is in Surety Bond.
<p>15.0</p>	<p>All bid submissions and related correspondences are confidential and for viewing only by the intended recipient/s. Any unauthorized access to review, reproduce, or disseminate the information contained therein is strictly prohibited. The National Power Corporation (NAPOCOR) does not guarantee the security of any information electronically transmitted.</p> <p>Bid submissions and related correspondences may contain personal and sensitive personal information, and are subject to the Data Privacy Act of 2012, its implementing rules, regulations and issuances of the National Privacy Commission of the Philippines ("Privacy Laws"). By viewing, using, storing, sharing and disposing (collectively "Processing"), such bids submissions and correspondences, you agree to comply with the Privacy Laws. By responding to correspondence, you consent to the Processing by NAPOCOR of the Personal Data contained in your submission/reply in accordance with NAPOCOR's Personal Data Privacy Policy which you can find at http://www.napocor.gov.ph.</p> <p>To report any privacy issue, contact the Data Privacy Officer at dpo@napocor.gov.ph.</p> <p>NAPOCOR is not liable for the proper and complete transmission of the information contained in bid submission/correspondences nor for any delay in its receipt.</p>
<p>19.3</p>	<p>The Goods are grouped together in one (1) lot and will be awarded to one (1) Bidder in one complete contract.</p> <p>Partial bid is not allowed. The Goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.</p> <p>The Bidders bid offer must be within the ABC of the lot.</p>

	Bid offers that exceed the ABC of the lot or with incomplete price, shall be rejected.
19.5	If the Bidder opted to submit a Committed Line of Credit (CLC), the bidder must submit a granted credit line valid/effective at the date of bidding.
20.1	<p>Additional documents to be submitted during Post-Qualification:</p> <ul style="list-style-type: none"> a. Class A-Eligibility Documents listed on the Annex A of Certificate of PhilGEPs Registration under Platinum Membership pursuant to Section 34.3 of the Revised IRR of R.A. 9184 b. Contract/Purchase Order and/or Notice of Award for the contracts stated in the List of all Ongoing Government & Private Contracts Including Contracts Awarded but not yet Started (NPCSF-GOODS-02); c. Certification coming from the project owner/client that the performance is satisfactory as of the bidding date for all ongoing contracts stated in Form NPCSF-GOODS-02; d. Contract/Purchase Order for the contract stated in the Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid (Form No. NPCSF-GOODS-03) e. Documents to be submitted during post-qualification process as specified in TS-9.0(b) of Section VI-Technical Specifications <p>Manufacturer's brochures, manuals and other supporting documents of equipment, materials, hardware and tools proposed by the bidders must comply with the technical specifications of such equipment, materials, hardware and tools. It shall be a ground for disqualification if the submitted brochures, manuals and other supporting documents are determined not complying with the specifications during technical evaluation and post-qualification process.</p> <p>Equipment, materials, hardware and tools proposed by the winning bidder to be supplied, which were evaluated to be complying with the technical specifications, shall not be replaced and must be the same items to be delivered/installed/used during the contract implementation. Any proposed changes/replacement of said items may be allowed on meritorious reasons subject to validation and prior approval by NPC.</p>
20.2	The licenses and permits relevant to the Project and the corresponding law requiring it as specified in the Technical Specifications, if any.
21.2	Notice to Proceed.

SECTION IV

**GENERAL CONDITIONS OF
CONTRACT**

SECTION IV – GENERAL CONDITIONS OF CONTRACT

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SECTION IV – GENERAL CONDITIONS OF CONTRACT

1. Scope of Contract

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

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

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

- 3.1. 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.
- 3.2. The performance bond to be posted by the Contractor must also comply with additional requirements specified in the **SCC**.

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 VI (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

SECTION V – SPECIAL CONDITIONS OF CONTRACT

GCC Clause	
1	<p>Delivery and Documents –</p> <p>The delivery terms applicable to the Contract is DDP delivered to the project site specified in the technical specifications, in accordance with INCOTERMS. 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 – Technical Specifications. The details of shipping and/or other documents to be furnished by the Supplier are as follows:</p> <p><i>For Goods supplied from within the Philippines</i></p> <p>Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:</p> <ul style="list-style-type: none"> (i) Original and four copies of the Supplier’s invoice showing Goods’ description, quantity, unit price, and total amount; (ii) Original and four copies of Supplier’s factory test/inspection report; (iii) Original and four copies of the certificate of origin (for imported Goods); (iv) Delivery receipt detailing number and description of items received signed by the Procuring Entity’s representative at the Project Site; (v) Certificate of Completion/Inspection Report signed by the Procuring Entity’s representative at the Project Site; (vi) Original and four copies of the Inspection Receiving Report signed by the Procuring Entity’s representative at the Project Site; (vii) Original and four copies of the Manufacturer’s and/or Supplier’s warranty certificate; and (viii) Documents specified in the Technical Specifications, if any. <p><i>For Goods supplied from abroad:</i></p> <p>Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by e-mail the full details of the shipment, including Contract Number, description of the Goods, quantity, vessel, bill of lading number and date, port of loading, date of shipment, port of discharge etc. Upon delivery to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents as applicable with the documentary requirements of any letter of credit issued taking precedence:</p>

- (i) Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Original and four copies of the negotiable, clean shipped on board bill of lading marked "freight pre-paid" and five copies of the non-negotiable bill of lading ;
- (iii) Original and four copies of Supplier's factory test/inspection report;
- (iv) Delivery receipt detailing number and description of items received signed by the Procuring Entity's representative at the Project Site;
- (v) Certificate of Completion/Inspection Report signed by the Procuring Entity's representative at the Project Site;
- (vi) Original and four copies of the Inspection Receiving Report signed by the Procuring Entity's representative at the Project Site;
- (vii) Original and four copies of the certificate of origin (for imported Goods); and
- (viii) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate including all other documents specified in the Technical Specifications, if any.

For purposes of this Clause the Procuring Entity's Representative at the Project Site is VP - Mindanao Generations.

Incidental Services –

The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VII - Schedule of Requirements:

- 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 that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- 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.

- f. Additional requirements specified in Section VI – Technical Specifications, if any.

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.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

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:
 - 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

The spare parts and other components required are listed in **Section VI (Technical Specifications)** and **Section VII (Schedule of Requirements/Bid Price Schedule)** and the costs thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for the period specified in the Technical Specifications.

Spare parts or components shall be supplied as promptly as possible, but in any case, within three (3) months of placing the order.

Packaging –

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.

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.

The outer packaging must be clearly marked on at least four (4) sides as follows:

- 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

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.

Transportation –

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.

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.

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.

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.

Intellectual Property Rights –

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.

2.2	<p>Advance payment not to exceed fifteen percent (15%) of the contract amount shall be allowed and paid within sixty (60) calendar days from effectivity of the contract and upon the submission to and acceptance by the Procuring Entity of an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank. The irrevocable letter of credit or bank guarantee must be for an equivalent amount, shall remain valid until the goods are delivered, and accompanied by a claim for advance payment.</p> <p>All progress payments shall first be charged against the advance payment until the latter has been fully exhausted.</p> <p>The terms of payment shall be as follows:</p> <p>1) For Supply and Delivery Contracts:</p> <p>(a) On Contract Effectivity: Advance payment of Fifteen percent (15%) of the total Contract Price shall be paid within sixty (60) days from effectivity of the Contract and upon submission of a claim and an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank for the equivalent amount valid until the Goods are delivered and, in the form, provided in Section VIII- Bidding Forms.</p> <p>(b) On Delivery: Eighty percent (80%) of the Contract Price of the delivered Goods shall be considered for payment, less the total amount of advance payment, if any and other deductions. If the amount is sufficient to fully recoup the advance payment, the remainder after deductions shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the <u>SCC</u> provision on Delivery and Documents. Otherwise, the total delivery payment shall be charged against the advance payment and the remaining advance payment will be fully recouped from the succeeding claims.</p> <p>(c) On Acceptance: The remaining twenty percent (20%) of the Contract Price of the delivered Goods shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's authorized representative. In the event that no acceptance certificate is issued by the Procuring Entity's authorized representative within forty five (45) days after successful test and commissioning, if required, the Supplier shall have the right to claim payment of the remaining twenty percent (20%) subject to the Procuring Entity's own verification of the reason(s) for the failure to issue documents (vii) and (viii) as described in the <u>SCC</u> provision on Delivery and Documents.</p> <p>2) For Supply, Delivery, Installation, Test and Commissioning Contracts:</p> <p>(a) On Contract Effectivity: Advance payment of Fifteen percent (15%) of the total Contract Price shall be paid within sixty (60) days from effectivity of the Contract and upon submission of a claim and an irrevocable letter of credit or bank guarantee issued by a Universal or</p>
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Commercial Bank for the equivalent amount valid until the Goods are delivered and, in the form, provided in Section VIII- Bidding Forms.

(b) On Delivery: Eighty percent (80%) of the price of the **delivered Goods**, excluding price for installation, test and commissioning, shall be considered for payment, less the total amount of advance payment, if any and other deductions. If the amount is sufficient to fully recoup the advance payment, the remainder after deductions shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the SCC provision on Delivery and Documents. Otherwise, the total delivery payment shall be charged against the advance payment and the remaining advance payment will be fully recouped from the succeeding claims.

(c) On Acceptance: The remaining twenty percent (20%) of the price of the **delivered Goods** plus price for installation, test and commissioning shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's authorized representative. In the event that no acceptance certificate is issued by the Procuring Entity's authorized representative within forty five (45) days after successful test and commissioning, the Supplier shall have the right to claim payment subject to the Procuring Entity's own verification of the reason(s) for the failure to issue documents (vii) and (viii) as described in the SCC provision on Delivery and Documents.

3) For Supply, Delivery, Installation, Test and Commissioning Contracts where Installation, Test and Commissioning prices are included in the supply price:

(a) On Contract Effectivity: Advance payment of Fifteen percent (15%) of the total Contract Price shall be paid within sixty (60) days from effectivity of the Contract and upon submission of a claim and an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank for the equivalent amount valid until the Goods are delivered and, in the form, provided in Section VIII- Bidding Forms.

(b) On Delivery: Sixty percent (60%) of the price of the **delivered Goods** shall be considered for payment, less the total amount of advance payment, if any and other deductions. If the amount is sufficient to fully recoup the advance payment, the remainder after deductions shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the SCC provision on Delivery and Documents. Otherwise, the total delivery payment shall be charged against the advance payment and the remaining advance payment will be fully recouped from the succeeding claims.

(c) On Acceptance: The remaining forty percent (40%) of the price of the **delivered Goods** shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's

	<p>authorized representative. In the event that no acceptance certificate is issued by the Procuring Entity's authorized representative within forty five (45) days after successful test and commissioning, the Supplier shall have the right to claim payment subject to the Procuring Entity's own verification of the reason(s) for the failure to issue documents (vii) and (viii) as described in the <u>SCC</u> provision on Delivery and Documents</p>
<p>3.2</p>	<ol style="list-style-type: none"> 1. The following must be indicated in the performance bond to be posted by the Contractor: <ol style="list-style-type: none"> i. Company Name ii. Correct amount of the Bond iii. Contract/Purchase Order Reference Number iv. Purpose of the Bond: "To guarantee the faithful performance of the Principal's obligation to undertake <u>(Contract/Purchase Order Description)</u> in accordance with the terms and conditions of <u>(Contract No. & Schedule/Purchase Order No.)</u> entered into by the parties." 2. The bond shall remain valid and effective until the duration of the contract <u>(should be specific date reckoned from the contract effectivity)</u> plus sixty (60) days after NPC's acceptance of the last delivery/final acceptance of the project. 3. In case of surety bond, any extension of the contract duration or delivery period granted to the CONTRACTOR shall be considered as given, and any modification of the contract shall be considered as authorized, as if with the expressed consent of the surety, provided that such extension or modifications falls within the effective period of the said surety bond. However, in the event that the extension of the contract duration or delivery schedule would be beyond the effective period of the surety bond first posted, it shall be the sole obligation of the CONTRACTOR to post an acceptable Performance Security within ten (10) calendar days after the contract duration/delivery period extension has been granted by NPC. 4. Other required conditions in addition to the standard policy terms issued by the Bonding Company: <ol style="list-style-type: none"> i. The bond is a penal bond, callable on demand and the entire amount thereof shall be forfeited in favor of the Obligee upon default of the Principal without the need to prove or to show grounds or reasons for demand for the sum specified therein; ii. The amount claimed by the Obligee under this bond shall be paid in full and shall never be subject to any adjustment by the Surety; iii. In case of claim, the Surety shall pay such claim within sixty (60) days from receipt by the Surety of the Obligee's notice of claim/demand letter notwithstanding any objection thereto by the Principal.
<p>4</p>	<p>The inspections and tests that will be conducted are specified in the Technical Specifications.</p>

SECTION VI

TECHNICAL SPECIFICATIONS

PART I – TECHNICAL SPECIFICATIONS PART II – TECHNICAL DATA SHEETS

SECTION VI

TECHNICAL SPECIFICATIONS

PART I – TECHNICAL SPECIFICATIONS

SECTION VI - TECHNICAL SPECIFICATIONS

PART 1 - Technical Specification

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Section VI – Technical Specifications

PART I – TECHNICAL SPECIFICATIONS

TS-1.0 GENERAL

This specification covers the technical requirements for the furnishing of labor, materials, tools and equipment for the **REHABILITATION OF 2X45 TONS OVERHEAD CRANE VALVE CHAMBER OF POWERHOUSE OF AGUS 4 HPP located in Brgy. Nangka, Balo-i Lanao del Norte.**

The powerhouse overhead crane equipment and its components/parts shall undergo upgrades and modifications to ensure safe and reliable operation. Any defective components must be promptly replaced to restore the equipment to its normal and reliable operating condition. The said overhead crane was installed and used prior to the commissioning of powerhouse in 1985.

All works necessary for the upgrading/modification of the equipment shall adhere to sound engineering procedures and practices. The work shall comply with applicable codes and standards, and all specifications before installation shall be subject to the approval of NPC.

As a general rule, all parts and materials provided by the Contractor must guarantee a quality at least equal or superior to the original parts slated for replacement.

All materials used in the rehabilitation process shall be new and meet the manufacturer's quality control and standards. The Contractor is responsible for all aspects of the work, including design, performance qualifications, documentation, and compliance with applicable codes and standards outlined in this specification.

Utmost care must be observed by the Contractor during the execution of works to prevent damage to the supplied equipment/components and existing structures at the site.

In the event of damage caused by the Contractor's carelessness, negligence, or fault, the Contractor shall bear the responsibility to repair or replace all damaged items at their own expense and to the satisfaction of NPC.

TS-2.0 SCOPE OF WORK

TS-2.1 General

The Contractor shall furnish high quality work, materials and equipment/parts/components meeting the requirements of this specification and industry standards.

The Contractor shall conduct actual inspection at site and thoroughly investigate and familiarize himself with all the conditions, make assessment on the existing

physical conditions and configurations of overhead crane for valve chamber to be repaired/ modified/ upgraded, determine possible sources of materials, components and equipment to be supplied/utilized, and verify the actual scope of works and relative costs.

The Contractor shall also be responsible to assess and determine all and every work and service although not specifically detailed but are deemed required to fully complete the work and placing ready for the safe and reliable operation of the overhead crane. Relative costs of any additional works or materials which the Contractor deemed required or necessary to complete the works shall be included in the bid proposal.

The Contractor shall provide the manpower requirements as specified in Section VI Technical Specifications – Part II Technical Data Sheets:

- a) One (1) Professional Mechanical Engineer
- b) One (1) Mechanical Engineer
- c) One (1) Safety Officer 2 (SO2)
- d) Three (3) Crane Technicians
- e) Two (2) Millwrights
- f) Two (2) Scaffolders

Any and/or all expenses arising through the lack of knowledge or understanding regarding the existing conditions of the site shall be the responsibility of the Contractor and no additional payment thereof shall be made by NPC.

TS-2.2

Contractor's Scope

The scope of works shall cover the furnishing of labor, materials, tools and equipment for the **REHABILITATION OF 2X45T OVERHEAD CRANE VALVE CHAMBER OF POWERHOUSE OF AGUS 4 HEP**. The work shall include all and every work and service although not specifically detailed herein but are required to fully complete for the safe and reliable operation of overhead crane for globe valve, which shall consist of, but not limited to the following:

1. Coordinate with the plant superintendent regarding the Rehabilitation work on Valve Crane
2. Coordinate with the Safety of Agus 4 HPP
3. Preparation of necessary work permits / Risk/Hazard assessments / Job Plans
4. Mobilization of tools, equipment and supplied materials
5. Lock Out Tag Out of equipment
6. Grab Assembly Mechanical / Electrical Inspection Works:
 - Hoist Suspensions
 - Rope suspension
 - Ropes
 - Bottom blocks and rehab necessarily
 - Top Block Traverse
 - Rope Drums
 - Rope Guides and Replace Necessarily
 - Pressure Rings
 - Hoisting Gear Main Speed
 - Hoisting Creep Speed
 - Hoisting Motor Main Speed

- Hoisting Motor Creep Speed
 - Safety Limit Switch
 - working limit switch
 - brake hoist motor
 - Bus bar power lines
 - Hoist Contactors
 - Current Supply
 - Current Collector
 - Pinion drives
 - Drive Gear
 - Drive Motor
 - Brake Drive Motor
 - Crane Runway
 - Crane Suspension
 - Crane Girder
 - Crane Carriage
 - Main Bolts
 - Crane Wheels
 - Motor Crane Travels
 - Brake Travel Motor
 - Isolator Switch
 - Push Botton control Switch
 - Isolation
 - Festoon System / cables
 - Oil level @ Main Gear
 - Oil level @ creep Gear
7. Greasing Works:
- Pinion Drive
 - Gear Drive
 - Rope
 - Limit Switch Rod
 - Bottom Block
 - Top Block
 - Pinion Drive wheels
8. Major Rehabilitation Works:
- Damaged Ropes (RH/LH)
 - Bottom Blocks
 - Top Block Traverse
 - Rope Drums
 - Rope Guides and Replace Necessarily
 - Pressure Rings
 - Hoisting Gear Main Speed
 - Hoisting Creep Speed
 - Hoisting Motor Main Speed
 - Hoisting Motor Creep Speed
 - Safety Limit Switch or Replace Necessarily
 - Brake Hoist Motor
 - Bus Bar Power Lines
 - Out Modeled Hoist Contactors
 - Current Supply
 - Current Collector
 - Pinion Drives
 - Drive Gear
 - Drive Motor

- Brake Drive Motor
 - Crane Runway
 - Crane Wheels
 - Motor Crane Travels
 - Brake Travel Motor
 - Isolator Switch
 - Push Botton Control Switch or Replace Necessarily
 - Festoon System / Cable
 - Rehabilitation And Repainting of Crane Girder
 - Rehabilitation And Repainting of Crane Carriage
 - Replace Gear Oil of Gearboxes
 - Regreasing Of All Bearings
 - Replacement Of Old Centralized Greasing System with Modern Time- Based Greasing System
 - Replacement Of Wireless Remote Controller and Pendant Control
 - Replacement Of Old Controller Contactors, Relays and Breakers
 - Replacement Of Old VFDs and Transformers
9. Installation of safety warning sounder beacon and lighting fixtures
 10. Painting and Finishing
 11. Load Testing using Water Bags and Load sensors and Certification
 12. Conduct proper Turn Over after satisfactory Rehabilitation
 13. Clearing and demobilization Works
 14. Submission of the Following Documents on or before completion of the project
 - Inspection and Rehabilitation Reports
 - Submission of Load Test Certificate

Other works and services to be performed by the Contractor shall generally consist of but not limited to the following:

1. Conduct actual inspection at site and make assessment on the existing physical conditions of the specified equipment and components/parts of overhead crane, and determine/verify the extent of the scope of works such as replacement parts/components necessary for the upgrading and modification of specified components/parts;
2. Submit necessary drawings and documents, in three (3) copies, for NPC's approval prior to procurement/implementation of materials and equipment such as schematics and wiring diagrams, control panel assembly and layout/arrangement, dimensioned drawings, interconnecting diagrams identifying by terminal numbers, dismantling procedures for all affected components;
3. Provide services of highly qualified and experienced technical personnel/engineers during the conduct of rehabilitation works;
4. Remove/clean-up all debris, waste materials & defective parts/components in the working areas and place them in a certain area to be specified by the authorized plant personnel;
5. Provide equipment/tools/instruments and consumables necessary during equipment dismantling, installation and operational/functional test for satisfactory completion of the work;

6. Turnover of the project for final inspection and acceptance with load test certificate from the certifying authority (DOLE);
7. Conduct testing and commissioning after complete installation of the project;
8. Conduct training/seminar at site of not less than ten (10) NPC personnel on proper operations and maintenance of the unit by highly qualified technical personnel after the completion of the project;
9. Provide technical assistance during warranty period, i.e., safety adjustment of controls and components, assessments of operating performance of preventive maintenance of the equipment, etc. at no cost to NPC. This shall include any maintenance services rendered upon request of NPC in the event of any abnormality occurs within the warranty period;
10. Responsible for all import duties, VAT and other taxes/levies imposed by the Philippine Government for all materials and equipment to be supplied by the Contractor;
11. Submission of drawings and documents as specified in clause TS-9.0.

TS-2.3**NPC's Scope**

- a) Supply of electrical power and water required by the Contractor. The Contractor shall supply necessary lines and interconnection works at source to be determined by NPC;
- b) Provide site space within the plant for temporary office and storage to be used by the Contractor during the implementation of the project;
- c) Provide reasonable assistance in securing necessary permits from the Philippine Government or other government agencies relative to the implementation of the project. Relative costs for securing such necessary permits shall be borne by the Contractor; and
- d) Review and approval of Manufacturer's/Contractor's drawings and documents to be submitted by the Contractor prior to procurement of parts and equipment as specified in the technical specifications and technical data sheets.

TS-3.0**CONTRACT PERIOD AND LOCATION**

The contract period shall be **NINETY (90) CALENDAR DAYS** reckoned from receipt of the Notice to Proceed.

The overhead crane components and/or replacement parts required for the upgrading and modification of the unit shall be delivered, installed and tested at Agus 4 HEP located in Balo-i, Lanao del Norte.

TS-4.0 TECHNICAL REQUIREMENTS**TS-4.1 General**

All materials and components/parts to be supplied under this contract shall be new and unused, free from defects and imperfections and best suited for the purpose intended.

Supplied materials and parts to be used for necessary modifications and upgrading of the specified auxiliaries/equipment shall match the specifications of the original ones. In case of difficulty in procuring such materials/parts, the Contractor may supply a different specification provided that such will guarantee a quality equal or superior than the original and with prior approval of the NPC. Equipment or components installed or used without NPC's approval shall be at the risk of subsequent rejections.

The Contractor shall fully utilize its technical expertise and experience to determine and identify the specific requirements of the equipment and components to be upgraded and modified for the safe and reliable operation of Globe Valve of Agus 4 HEP.

All replacement and additional materials/parts to be supplied by the Contractor shall match the specifications of the original ones. In case of difficulty in procuring such materials/parts, the Contractor may supply a different specification provided that such will guarantee a quality equal or superior than the original and with prior approval of the NPC.

The Contractor shall supply all materials/parts that may be damaged during dismantling works or those that are lacking in measure or quantity resulting to dismantling or assembly works and other necessary appurtenances to complete the work called for and to provide a safe, efficient, and reliable operation of the equipment and system.

The Contractor shall strictly observe the safety requirements/regulations of existing plant during the performance of the work. All works shall be coordinated with NPC at site so that interference in the performance of works will be avoided or on-going works/activities would not interfere or interrupt the operation of AGUS 4 HEP. In case interference occurs, NPC will decide which work is to be prioritized or relocated, as may be applicable.

The Contractor shall submit equipment specifications, brochures, catalogs, plan and layout drawings, wiring diagrams, and other related technical data and detailed drawings of all equipment and materials to be supplied by the Contractor under this contract for NPC's review and approval prior to procurement.

The relative experience of the Contractor shall comply with the following:

- a) Should have been in the business of supplying/upgrading/rehabilitation, installation, technical servicing, test and commissioning of at least 45 tons capacity overhead / gantry crane for not less than three (3) years; and

- b) The type of overhead/ gantry crane supplied/upgraded, installed, tested and commissioned should have been in the actual service (in the market) for not less than three (3) years.

NOTE: Contractor's Experience which is less than what is required will be ground for rejection of the bid proposal.

TS-4.2 Design Data

The overhead crane of Agus 4 shall be completely upgraded and modified to meet the technical requirements which the equipment has been designed with the following specifications:

- Main Hoist (M.H.) Rated Load : 2 x 45 Tons
- Main Hoist Tested Load : 2 x 56.25 Tons
- Span : 6.3 meters
- Lift (Main Hoist) : 18 meters
- Maximum Wheel Load : 22.5 Tons
- Runway Rail : 50 kg/mN
- Main Conductor : Side Wall Type
- Trolley Conductor : Cable Curtain
- Motor KW and Speed
 - a. Main Hoist : 15/0.15m/min 25/22 kW 25% ED 1200rpm
 - b. Trolley : 5m/min 40 kW 25% ED 1200rpm
 - c. Bridge : 20m/min 13 kW 25% ED 1200rpm
- Wire Rope
 - a. Main Hoist : 24 Ø x 8 parts
 - b. Power Source : 440 VAC 60Hz 3 Phase

Note:

The above data are for Bidder's reference/information only. The Bidder/s shall be responsible for the verification/confirmation of said data at the Plant during site inspection. Any deviation in data shall be referred to Agus-4 HEP Plant personnel for clarification.

Also attached are drawings and photos of the existing overhead crane for globe valve of Agus- 4 HEP for Bidder's information and reference (see ANNEX-A).

TS-4.3 Mechanical Requirements

a) Motor and Braking System

Motor and braking system for Main hoist, Auxiliary hoist, Crab cross travel, and long travel shall be repaired/overhauled. Brakes shall be provided so that the crane is capable of raising or lowering smoothly or holding in any position at any load up to and including the test load. Any modification on base mounting shall be done by the Contractor as required by the new braking systems.

The hoist shall be provided with spring set, electric thruster released friction-shoe type brakes with a rated capacity of not less than 150 percent of the rated full load torque of the motor and shall equally effective in either direction. The brake shall be arranged to set when the motor power supply is cut off or fails,

and to release when the hoist motor is operated. The brake enclosure shall be of weather-proof construction with convenient access to the enclosed mechanism. Means shall be provided for auto adjusting to compensate for wear.

The electric hoist shall also be fitted with an automatic, safety lowering brake to provide smooth and accurate control of the lowering speed regardless of load. The brake shall be inoperative and free from friction when the hoist motor is operating in the hoisting direction.

Nameplates shall be provided for each brake and attached to a part of the brake which ordinarily will not be rendered during its service life. Each nameplate shall conform to standard practice and clearly indicate the manufacturer's name, identification symbols, serial number, and salient design features such as type, frame, torque rating and voltage.

b) Wire Ropes

New wire ropes shall be supplied, installed and tested which will serve as replacement of the old wire ropes for the winch drum, but utilizing the existing bottom block and hook. Technical specifications of the wire ropes shall be the same as the existing.

The rope attachments to the drum shall be simple and secure so that adjustments and replacement of the ropes may be accomplished without dismantling the parts.

The wire ropes shall be cut from a common master run and match marked to exact length while under tension. The wire ropes shall be supplied by a reputable manufacturer of hoisting wire ropes. The wire ropes shall be adjusted so that each individual wire rope will carry its proportionate share of the total load. An equalizer shall be furnished if multi-wiring system is adopted. The wire ropes shall have sufficient length to provide the required lift, plus two turns on the drums in addition to adequate length for attaching to the drums. This safety factor of wire rope shall not be less than 5.

Hoist rope shall be equipped with overload device to prevent lifting loads in excess of 125%. Hoist shall also be equipped with upper and lower limit switches which are adjustable to set the extreme upper and lower limits of hook travel.

c) Lifting Hooks and Blocks

The blocks shall be arranged to lift without twisting and sideways pull of the load, and dead-end ropes shall be avoided. The blocks shall be provided with a hook which shall be drop-forged and heat-treated. The lifting hook with factor of safety not less than 5.0 shall be swiveled on an antifriction thrust bearing and shall be annealed forged alloy or carbon steel.

The bearings shall be totally enclosed, dust tight, and arranged to prevent leakage of grease. The hook under maximum load shall be easily rotated by hand on its bearing. The hook for the hoist shall be of the single hook type. The

cross head shall be made of annealed carbon or alloy steel and shall have such proportions as to provide ample sheave bearing area.

The block shall be constructed so as to guard the hoisting ropes fully and prevent them from leaving the sheaves under any operating condition. The guards shall be made of cast steel or plate steel, shall be fitted close to the periphery of the sheaves, and shall be arranged for proper drainage.

d) Gear Reducers

The gear reducers for the hoist and trolley shall be completely enclosed grease lubricating construction. All gears shall have standard involute teeth, machine cut from the cast or forged steel solid rim of adequate strength and durability to meet the requirements for the intended class of service and designed in accordance with American Gear Manufacturer's Association Standards or equivalent approved standards. All bearings shall be of the ball or roller type, and shall be designed to permit easy removal of the shaft and gears.

e) Travelling Wheels

The traveling wheels shall be made from the solid wrought or rolled steel wheel blanks machined accurately to size and the flanges tapered and radiused. The wheels shall be properly heat-treated to carry the maximum rated load under normal conditions without undue wear.

f) Drum

The drum shall be steel or minimum ASTM Grade A48-64 Class 40 Cast Iron or equal materials as specified by the crane manufacturer. It shall be designed to withstand combined crushing and bending loads.

g) Bolts and Set Screws

Bolts and Set Screws in rotating parts shall be locked, but this provision does not apply to set screws used for locking purposes.

h) Lubrication

Service lubrication of all bearings shall be by means of manual grease central feed systems with individual lubrication lines to each bearing. Ball and roller bearings shall be suitably lubricated before assembly.

i) Pendant Station

The crane operation shall be controlled by a pendant mounted push-button switch suspended from the crane. The pendant shall be able to move along the crane bridge during operation.

The control pendant shall be equipped with an emergency cut-out button, key operated buttons, signal lights for start-stop operation and a common switch for the crane's load lighting. The enclosure shall have durable, clearly marked

legend plates, guards to protect switches from damage or accidental actuation and shall allow for right- or left-hand operation.

TS-4.4 Electrical Requirements

The Contractor shall furnish and install all electrical equipment required for the upgrading and modification of the crane's control system including the bridge festoon system in accordance with the Crane Manufacturer's Standard. The work shall include the supply and installation of lighting system with warning sounder beacon light fixtures underneath the girder.

The Contractor shall state in his proposal the technical description of the electrical control panel, resistor banks, cables, joystick multi-axis controller and other accessories required to complete the electrical control system. The Control panels shall be installed on the existing maintenance catwalk.

The Contractor shall specify what control voltage he intends to use for the crane.

The electrical control panels to be supplied by the Contractor shall comply with the requirements of applicable codes and standards such as CMAA, NEC and PEC codes. Enclosure type shall be of watertight, dust tight and corrosion resistant. The electrical panels shall consist of necessary motors, controllers, resistor banks, contactors, relays, timers, with necessary wiring and conduit; limit switches, lights, and any other accessories required to complete the control system and necessary for proper and safe operation of the crane.

The crane operation shall also be remotely controlled by a joystick multi-axis controller complete with all control functions and with enclosure rating of IP65. The controller shall be able to move during operation. The controller shall be equipped with an emergency cut-out button, joystick, and signal lights for starts top operation.

The Contractor shall thoroughly assess whether the existing electrical cables require replacement or upgrading. Flat Type Flexible Power and Control Cable shall be used for all cables which require hanging loops. The cables shall be specifically designed for this duty. Loops shall be designed to allow consistent hanging and to avoid sharp bending radii. Loop lengths shall be such that the bottoms of loops are above hook height at the top of hook travel.

All wiring shall be factory installed unless otherwise stated in the Bid. Wiring ratings shall be determined in accordance with the Philippine Electrical Code. The conductors to the motors shall have a continuous current-carrying capacity not less than 125 percent of the rated full load primary current of the motors and shall be stranded copper.

Limit switches and all terminals shall be completely sealed, dust tight and oil tight. Limit switches shall be wired by a short flexible lead to a plug-in type connector mounted adjacent to the switch. The connector shall also be dust and oil tight. A spare limit switch, complete with flexible lead and plug, shall be provided for each type used with a minimum of three if all are the same.

Load lighting shall be upgraded located underneath the crane girder which includes warning sounder beacon light fixtures.

TS-4.5 Painting Requirements

The valve overhead crane and other structural surfaces shall be painted in accordance with first class standard practice suitable for the purpose.

Surfaces with existing final coating shall be applied with minimum of one coat of final coating or as recommend by paint Manufacturer/Supplier. Surfaces which are corroded or that show sign of corrosion shall first be applied with primer coating. But before any painting is made, all corroded surfaces must be prepared properly by removing all rusts, scales, grease and encrustation of any nature. Steel surfaces shall be prepared by wire brushing or power tool cleaning in accordance with Steel Structures Painting Council Standard. The various paints to be used shall be of approved quality and type.

All paint and primer to be used shall be of standard types of a well-known manufacturer subject to the approval of NPC.

As minimum, all new surfaces or corroded surfaces to be painted shall be applied with one (1) coat (80 microns) zinc rich epoxy primer and two (2) coats of chlorinated rubber of 80 microns DFT each coating. Final color of paint shall conform to the existing color of the equipment or as directed by NPC.

TS-5.0 MODIFICATION/UPGRADING WORK REQUIREMENTS

The Contractor shall furnish all necessary equipment, tools, labor and material to execute the rehabilitation works of the rehabilitation of two (2) 45 tons overhead crane valve chamber of powerhouse of Agus 4 HEP.

The rehabilitation works shall be in accordance with the Contractor's standard practice and other applicable codes and standards.

Disassembly and assembly of engine components shall be in accordance with the procedures/instructions specified in the Operation and Maintenance Manuals. It shall be performed by highly qualified and experienced technical people following the manufacturer's standard and industry standard practice.

The overhead crane shall perform satisfactorily after the modification and upgrading works.

Prior to installation, the Contractor shall submit in three (3) copies for NPC's review and approval detailed drawings covering the arrangement, actual layout, pipe conduit and cable routes, interface connections, wiring diagrams, manufacturer's details of equipment/devices, catalogues, and other information as specified in the relevant sections of this specification.

The Contractor shall strictly observe the safety requirements/regulations of existing plants during the performance of the work. All works shall be coordinated with NPC at site so that interference in the performance of works

will be avoided or on-going works/activities would not interfere or interrupt the operation of AGUS 4 HEP. In case interference occurs, NPC will decide which work is to be relocated.

Any required modification from the approved drawings or specification to suit actual site conditions, shall be permitted only with prior consent of NPC.

TS-6.0 PERFORMANCE REQUIREMENTS

The overhead crane shall perform satisfactorily after the modification and upgrading works.

The crane shall satisfy the manufacturer's standard factory test conducted at the manufacturer shop prior to delivery and the various functional tests conducted at site.

The crane shall be capable of raising, lowering, holding in any position and transporting a test load of 125 percent of the rated load without damage or distortion to any crane part.

TS-7.0 TESTING AND ACCEPTANCE CRITERIA

TS-7.1 General

The Contractor shall perform at his own expense all tests required to ensure adequacy of design, material, workmanship and conformance of the supplied equipment to the requirements of the specifications and standards. The supplied parts/components/materials shall be subjected to the manufacturer's standard factory tests prior to delivery. Certified test reports/results of all tests, inspection and measurements conducted shall be submitted to NPC for evaluation and acceptance. Necessary inspections at the place of delivery shall also be conducted for verification/confirmation.

Upon the arrival of equipment and/or materials at site, NPC and the Supplier/Contractor or their authorized representatives, shall jointly verify the delivered equipment and/or materials following the steps below:

- a) Inspection and verification of the packing list;
- b) Visual inspection of the condition of the packing and its surfaces; and
- c) Opening of the crates and plastic sheet protection to verify the content and its physical condition and to check the pilferage or damage during shipment and storage.

A record shall be prepared carefully noting all eventual shortages, defects or damages, signed by the Contractor and concurred by NPC. All shortages and damages noted shall be immediately replaced by the Contractor at his own cost. Contractor shall also ensure the timely delivery of such replacement without affecting the agreed overall contract implementation schedule.

After the completion of installation of components/parts and materials, the Contractor together with NPC authorized representative/s (witness) shall carry out functional/operational and performance test to confirm that the overhead

crane will operate and perform satisfactorily in accordance with the applicable standards and the requirements of the specifications and to the satisfaction of NPC representative/s.

If the equipment fails to pass the required test, NPC may, at his own judgment, direct the Contractor to make necessary corrections or alterations for defects or order the replacement materials as may be deemed appropriate. Any expenses due to additional tests or retests made necessary by failure of the Contractor's repaired equipment, i.e., failure to meet the guarantees and other requirements of the specifications, shall be borne by the Contractor.

The Contractor shall submit in Three (3) copies brochures, detailed drawings, schematic diagram (electrical and mechanical), as-built plans, operation and maintenance manuals. In addition, the Contractor shall conduct technical training on operation and maintenance after the completion of the project.

Upon acceptance, the Contractor shall provide technical and after sales support and commit to undertake repairs within 24 hours notification. The Contractor shall ensure that spare parts shall be made available during the minimum period of 10 years.

Acceptance Certificate shall be issued only upon completion of the following:

- a) All equipment of the crane shall operate without undue noise or vibration.
- b) The upgraded/modified crane shall be operated through a complete lift and lowering cycle and through a complete travel of the bridge and trolley to determine that the equipment
- c) All tests shall be carried out with the bridge crane equipment loaded at 125 percent of capacity. The Contractor shall provide the test weight loads. Any defects found during the test shall be corrected by the Contractor at his own expense.
- d) All required tests are satisfactorily conducted and results are acceptable to NPC. Inspection result/s shall be signed by the representatives of the Contractor and NPC. Load test certificate issued by certifying authority DOLE) shall be submitted by the Contractor.
- e) Submission of drawings and documents as specified hereto in Clause TS-9.0.

TS-7.2 Material Test

The Contractor shall furnish NPC with three (3) copies of certified mill and mechanical test reports for hoist ropes.

TS-7.3 Field Testing

The crane shall be tested by the Contractor in the presence of NPC authorized representative and at such time as will be directed by NPC. Before testing, the hoist shall be operated under light load for a period of time equivalent to several hours of continuous operation to run-in the gearing and ensure that all parts are properly lubricated. After this run-in period, the crane shall be inspected to see

that all parts have remained in alignment and that no excessive wear has occurred.

Adjustments shall be made in accordance with the manufacturer's recommendations or standard practice. All tests' instruments and weights shall be furnished by the Contractor. At least two observations or readings shall be made and recorded for each test. During all of the tests, volts, amperes and watts input for each applicable motor shall be recorded.

On compliance of the tests the crane will be inspected for misalignment, breakage and undue wear.

All equipment of the crane shall operate without undue noise or vibration.

The upgraded/modified crane shall be operated through a complete lift and lowering cycle and through a complete travel of the bridge and trolley to determine that the equipment shall perform smoothly and safely utilizing both the joystick and cab controllers.

Functional test shall be carried out at site with the presence of NPC authorized representative. Any defects found during the test shall be corrected by the Contractor at his own expense.

TS-8.0 SPARE AND TOOLS

The Contractor shall supply and deliver the required minimum fast moving spare parts necessary for replacement of repair works during the test and commissioning period and prior to NPC acceptance. The supply shall include spare parts that will be consumed or replaced during the test and commissioning at no cost to NPC.

Standard tools required for normal operation and maintenance/servicing of overhead crane particularly on the supplied components/parts shall be provided by the Contractor complete with tool box. Special tools necessary for installation of the equipment components/parts shall also be provided, if required.

The Supplier shall completely fill-out the attached tools lists/forms and submit with his bid for evaluation.

The Supplier shall also submit a letter of confirmation that a local agent or representative is available to provide after sales service and parts for the overhead crane. Name, address and contact number/person shall be provided.

TS-9.0 DRAWINGS AND DOCUMENTS TO BE SUBMITTED

a) Documents to be submitted with the bid/proposal for evaluation:

- a.1 Completely filled-out Technical Data Sheet;
- a.2 Letter of Authorization and Guarantee Statement from the Manufacturer (supplied crane components/parts);

- a.3 Letter of Confirmation that a local agent or representative is available to provide after sales service and parts for the overhead crane and components to be supplied. Name, address and contact number/person shall be provided;
 - a.4 Copies of brochures/catalogues of the overhead crane's supplied components/parts which contains information, data, and other technical features;
 - a.5 Site Inspection Certificate to be signed by NPC's authorized plant personnel; and
 - a.6 Implementation Schedule (Bar Chart) for the modification/upgrading works.
- b) Documents to be submitted during post-qualification:
- b.1 List of equipment/tools/instruments and consumables necessary during equipment installation, start-up, test, operation and normal maintenance including tool box for one (1) year operation.
- c) Documents to be submitted before or upon delivery:
- c.1 Three (3) sets of operation and maintenance manual (covering the supplied crane components/parts);
 - c.2 Assembly and dimensional drawings including schematic wiring diagrams (covering the supplied crane components/parts);
 - c.3 Test and Commissioning Procedure including Installation Manuals;
 - c.4 Certificate of Origin of the overhead crane components/parts;
 - c.5 Shop Test Certificates from Manufacturer(motors);
 - c.6 Certificate of Warranty on parts and services for one (1) year; and
 - c.7 Certificate of Commitment from Contractor to undertake repairs within 24 hours notification.

TS-10.0 GUARANTEE

The Contractor shall guarantee that he will repair and/or replace, at his own cost, the equipment/component against defect in design, workmanship and materials and shall include labor, parts and travel time for necessary repairs at the plant for a period of one (1) year after issuance of Acceptance Certificate by NPC.

The Contractor shall submit a Warranty Certificate effective from the date of acceptance by NPC.

After the lapse of the warranty period, provided that there are no defects found, NPC shall release the warranty security/certificate.

ANNEX A

SECTION VI

TECHNICAL SPECIFICATIONS

PART II – TECHNICAL DATA SHEETS

SECTION VI - Technical Specifications

Part II – Technical Data Sheets

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SECTION VI - Technical Specifications

Part II – Technical Data Sheets

REHABILITATION OF 2X45 TONS OVERHEAD CRANE VALVE CHAMBER OF POWERHOUSE FOR AGUS 4 HE PLANT

- a. The Bidder shall complete this technical data sheet and submit the filled-up form with the technical proposal. The Bidder shall use continuation sheets as necessary for any other additional information keeping to the format shown herein or by reproducing the same.
- b. NPC reserves the right to reject Bids without proper and/or specific data and information as required herein.
- c. The data required are technical features and characteristics of the Equipment/ component/material to be provided by the bidder. Bidder's proposal shall at least be equal or superior to the requirements specified by NPC.

1.0 OVERHEAD CRANE DATA

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
1.	Wire Rope	<ul style="list-style-type: none"> • 24MM Diameter • Multi Strand Hercules rope • 12(6+1) + 6(6+1) • Non-Rotating Rope • 155M x 2 = 310M • Min. Breaking Force@ 1960N/MM2 = 587KN • Lang Lay • Rotation resistant • Compacted outer strands • High breaking force • Load-bearing wires in outer strands / RCN acc. to ISO 4309 	
2.	Gear Oil for: - Travelling Gearbox - Main Hoist Gearbox1 - Main Hoist Gearbox2 - Traverse Gearbox1 - Traverse Gearbox2 - Low Speed Motor	<ul style="list-style-type: none"> • Gear Oil 220 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
3.	Bearing Bridge Wheel	<ul style="list-style-type: none"> • Spherical Roller Bearing 22222 x 32pcs 	
4.	Trolley Wheel	<ul style="list-style-type: none"> • Spherical Roller Bearing 22222 x 16pcs 	
5.	Hook Block 45T	<ul style="list-style-type: none"> • Cylindrical Roller Bearing E5032NR x 16 • Thrust Ball Bearing 51326 x 4pcs 	
6.	Upper Sheave Block	<ul style="list-style-type: none"> • Cylindrical Roller Bearing E5020NR x 8pcs 	
7.	Hoist Drum	<ul style="list-style-type: none"> • Spherical Roller Bearing 24024 x 4 pcs • Spherical Roller Bearing 22224 x 4 pcs 	
8.	Hoist Speed Reducer # 1	<ul style="list-style-type: none"> • Tapered Roller Bearing 30213 x 16pcs • Tapered Roller Bearing 30216 x 4 pcs • Spherical Roller Bearing 22226 x 4 pcs 	
9.	Hoist Speed Reducer # 2	<ul style="list-style-type: none"> • Tapered Roller Bearing 30213 x 20pcs • Tapered Roller Bearing 30216 x 4 pcs • Spherical Roller Bearing 22226 x 4 pcs 	
10.	Trolley Speed Reducer	<ul style="list-style-type: none"> • Tapered Roller Bearing 32212 x 2pcs 	
11.	Trolley Speed Reducer	<ul style="list-style-type: none"> • Tapered Roller Bearing 32310 x 2pcs • Tapered Roller Bearing 32315 x 4pcs • Tapered Roller Bearing 30320 x 4pcs 	
12.	Trolley Cyclo Speed Reducer	<ul style="list-style-type: none"> • Deep Groove Ball Bearing 6213NR x 2pcs • Deep Groove Ball Bearing 6215 x 2pcs • Cylindrical Roller Bearing NJ307 x 2pcs • Overall Eccentric Bearing 35UZ862935 x 2pcs 	
13.	Bridge Speed Reducer	<ul style="list-style-type: none"> • Tapered Roller Bearing 32210 x 2pcs • Tapered Roller Bearing 32308 x 2pcs • Tapered Roller Bearing 30310 x 4pcs 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		<ul style="list-style-type: none"> • Tapered Roller Bearing 30215 x 4pcs • Tapered Roller Bearing 30320 x 4pcs 	
14.	Hoist Speed Reducer #1	<ul style="list-style-type: none"> • Oil Seal SB 25 x 45 x 8 – 2pcs • Oil Seal SB 65 x 95 x 14 – 6pcs • Oil Seal MG 230 x 269 x 22 – 2pcs 	
15.	Hoist Speed Reducer #2	<ul style="list-style-type: none"> • Oil Seal SB 25 x 45 x 8 – 2pcs • Oil Seal SB 65 x 95 x 14 – 6pcs • Oil Seal MG 230 x 269 x 22 – 2pcs 	
16.	Trolley Speed Reducer	<ul style="list-style-type: none"> • Oil Seal TC 70 x 90 x 12 – 2pcs • Oil Seal TC 120 x 150 x 14 – 4 pcs • Oil Seal SC 120 x 150 x 14 – 4 pcs 	
17.	Bridge Speed Reducer	<ul style="list-style-type: none"> • Oil Seal TC 60 x 80 x 12 – 2pcs • Oil Seal TC 120 x 150 x 14 – 4 pcs • Oil Seal SC 120 x 150 x 14 – 4 pcs 	
18.	Trolley Cyclo Speed Reducer	<ul style="list-style-type: none"> • Oil Seal TC 85 x 110 x 13 – 2pcs • Oil Seal TC 855 x 78 x 12 – 2pcs 	
19.	Bridge Wheel Unit	<ul style="list-style-type: none"> • Oil Seal ZF 28 x 32 pcs • Oil Seal ZF 24 x 4 pcs 	
20.	Trolley Wheel Kit	<ul style="list-style-type: none"> • Oil Seal ZF 28 x 16pcs • Oil Seal ZF 24 x 4 pcs 	
21.	Hoist Equalizer Sheave	<ul style="list-style-type: none"> • Bushing Oil-less Dry Met 95 x 95 x 60 – 4pcs 	
22.	Hoist Brake Drum Coupling	<ul style="list-style-type: none"> • Bushing Rubber -32pcs 	
23.	Motor Brush	<ul style="list-style-type: none"> • Carbon Brush Hoist Motor #1 25KW, 6P, 25% ED – 6pcs • Carbon Brush Hoist Motor #2 25KW, 6P, 25% ED – 6pcs • Carbon Brush Trolley Motor 4KW, 6P, 25% ED – 9pcs 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		<ul style="list-style-type: none"> • Carbon Brush Bridge Motor 13KW, 6P, 25% ED – 9pcs 	
24.	Screw Type Limit	<ul style="list-style-type: none"> • Limit Switch LLS-21D – 2pcs 	
25.	Weight Operated	<ul style="list-style-type: none"> • Limit Switch LMWD-1C-1 – 2pcs 	
26.	Trolley and Bridge End	<ul style="list-style-type: none"> • Limit Switch LLF-2 – 2pcs 	
27.	Hoist Brake	<ul style="list-style-type: none"> • Lining ADCB-60BB – 4pcs 	
28.	Trolley Brake	<ul style="list-style-type: none"> • Lining ACT-132C – 2pcs 	
29.	Bridge Brake	<ul style="list-style-type: none"> • Lining ACT-160C – 2pcs 	
30.	Pilot Lamp	<ul style="list-style-type: none"> • Pilot lamp SL 18V 2W E-12 -1pc 	
31.	Control Panel	<ul style="list-style-type: none"> • Fuse Element C3 3Amp – 9pcs • Fuse Element C5 5Amp – 6pcs • Fuse Element C15 15Amp – 4pcs • Fuse AAC-15 AC 250V 15Amp – 2pcs • Fuse AAC-5 AC 250V 5Amp – 7pcs • RPD Breaker Fuse QA25-15 250V 15A – 4pcs 	
32.	Contactors	<ul style="list-style-type: none"> • Movable contacts MF-03 / MF-04 -3pcs • Stationary Contacts MF-03 / MF-04 – 6pcs • Coil MF-04 AC 220V 60Hz – 1pc • Coil MF-04 AC 110V 60Hz – 1pc 	
33.	Contactors	<ul style="list-style-type: none"> • Movable contacts MF-07 / MF-11 -3pcs • Stationary Contacts MF-07 / MF-11 – 6pcs • Coil MF-07 AC 220V 60Hz – 1pc 	
34.	Contactors	<ul style="list-style-type: none"> • Movable contacts MF-15 / MF-19 -3pcs • Stationary Contacts MF-15 / MF-19 – 6pcs • Coil MF-15 AC 220V 60Hz – 1pc 	
35.	Contactors	<ul style="list-style-type: none"> • Movable contacts MF-30 / MF-37 -3pcs 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		<ul style="list-style-type: none"> • Stationary Contacts MF-30 / MF-37 – 6pcs • Coil MF-30 AC 220V 60Hz – 1pc 	
36.	Trolley Drive Gear Coupling	<ul style="list-style-type: none"> • JSS – 10S • Motor shaft 32MM • Cycro Shaft 30MM • OD-118MM • Length 88MM 	
37.	Trolley Drive Gear Coupling	<ul style="list-style-type: none"> • JSS – 25L • Cycro shaft 60MM • Cycro Shaft 60MM • OD-212.7MM • Length 210MM 	
38.	Trolley Drive Gear Coupling	<ul style="list-style-type: none"> • JSS – 25L • RG Side shaft 100MM • Shaft 100MM • OD-279.4MM • Length 262MM 	
39.	Wheel Shaft Gear Coupling	<ul style="list-style-type: none"> • JSE – 35 • Wheel shaft 105MM H7 • Floating Shaft 106MM H7 • OD-279.4.7MM • Length 262MM 	
40.	Wheel Shaft Gear Coupling	<ul style="list-style-type: none"> • JSS – 35 • Wheel shaft 100MM H7 • Floating Shaft 106MM H7 • OD-279.4.7MM • Length 262MM 	
41.	Bridge Drive	<ul style="list-style-type: none"> • JSS – 35 • Wheel shaft 106MM H7 • Floating Shaft 100MM • OD-279.4.7MM • Length 262MM 	
42.	Hoist Drive	<ul style="list-style-type: none"> • JSS – 20S • Wheel shaft 55MM • Floating Shaft 50MM • OD-177.8MM • Length 150MM 	
43.	Hoist Drive	<ul style="list-style-type: none"> • JSS – 20S • Wheel shaft 55MM • Floating Shaft 45MM • OD-177.8MM • Length 150MM 	
44.	Hoist Drive	<ul style="list-style-type: none"> • JSS – 20S • Wheel shaft 50MM • Floating Shaft 60MM 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		<ul style="list-style-type: none"> • OD-177.8MM • Length 150MM 	
45.	Hoist Drive	<ul style="list-style-type: none"> • JSS – 20S • Wheel shaft 60MM • Floating Shaft 55MM • OD-177.8MM • Length 150MM 	
46.	Hoist Drive	<ul style="list-style-type: none"> • JSS – 20S • Wheel shaft 55MM • Floating Shaft 50MM • OD-177.8MM • Length 150MM 	
47.	Bridge Drive	<ul style="list-style-type: none"> • JSE – 35 • Wheel shaft 106MM • Floating Shaft 105MM H7 • OD-279.4.7MM • Length 262MM 	
48.	Bridge Drive	<ul style="list-style-type: none"> • JSS – 15S • Wheel shaft 48MM • Floating Shaft 50MM • OD-152.4MM • Length 108MM 	
49.	Main Hoist Drive Thrustor Brake	<ul style="list-style-type: none"> • ACT-200 • ML-21~24 • Drum Diameter 250MM • Drum Width 125 • Rated Torque 40kg-m 	
50.	Auxiliary Hoist Drive Thrustor Brake	<ul style="list-style-type: none"> • ACT-200 • ML-21~24 • Drum Diameter 250MM • Drum Width 125 • Rated Torque 40kg-m 	
51.	Trolley Drive Thrustor Brake	<ul style="list-style-type: none"> • ACT-200 • ML-21~24 • Drum Diameter 250MM • Drum Width 125 • Rated Torque 40kg-m 	
52.	Bridge Drive Thrustor Brake	<ul style="list-style-type: none"> • ACT-200 • ML-21~24 • Drum Diameter 250MM • Drum Width 125 • Rated Torque 40kg-m 	
53.	Remote Controller	<ul style="list-style-type: none"> • Double Joystick 	
54.	Audible Alarm	<ul style="list-style-type: none"> • Hand/Foot Operated 	
55.	Beacon Lighting	<ul style="list-style-type: none"> • AC220V 	
56.	Automatic Lubrication System	<ul style="list-style-type: none"> • Single point OPTIME C1 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		<ul style="list-style-type: none"> Lubricator that alerts via App when a lubrication point requires attention 	
57.	Warranty	One (1) year reckoned from the date of final acceptance	
58.	After Sales Support on Spare parts	Five (5) Years after the warranty period	
59.	Delivery / Completion Date	Ninety (90) Calendar Days from the Receipt of Notice to Proceed (NTP)	
60.	Delivery Point	Agus 4 HPP, Nangka Balo-I Lanao Del Norte	
61.	Authority to bid or letter of confirmation from the manufacturer of Aluminum that a local agent or representative is available to provide the "After Sales Service "to the supplied components / parts / accessories during and after the warranty period, Name address and contact number shall be provided	<p>Submit the authority to bid or letter of confirmation as part of the eligibility requirements to be included in Technical Components envelope coming from</p> <ol style="list-style-type: none"> The original Equipment Manufacturer or its Philippine Subsidiary Authorized product distributor. In this case, the bidder shall submit the distributorship agreement (DA) between the manufacturer and the said authorized distributor. The DA must also indicate that the distributor is vested with authority to distribute the product in the Philippines. If the bidder is an authorized distributor in the Philippines, submission of its DA with OEM in lieu of the authority to bid will suffice <p>The submitted Authority to bid and distributorship agreement should indicate the validity period and must still be valid during opening of bids</p>	
62.	Manpower Requirements	Submit copy of the valid License/Certificate as part of	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	<p>a. One (1) Professional Mechanical Engineer</p> <p>b. One (1) Mechanical Engineer</p> <p>c. One (1) Safety Officer 2 (SO2)</p> <p>d. Three (3) Crane Technicians</p> <p>e. Two (2) Millwrights</p> <p>f. Two (2) Scaffolders</p>	<p>the eligibility Requirements (to be included in the technical component envelope</p> <p>a. Licensed Professional Mechanical Engineer, with copy of valid PRC License</p> <p>b. Licensed Mechanical Engineer, with Copy of valid PRC License</p> <p>c. Safety Officer 2 – at least forty (40) hrs. of Construction Safety and Health Training from Occupational Safety and Health Center (OSHC) or Safety Training Organization (STOs) accredited by the Department of Labor and Employment (DOLE). Must be present during the duration of the project</p> <p>d. Three (3) Crane Technicians with Training Certificates from OEM</p> <p>e. Two (2) Millwright NCII Certified</p> <p>f. Two (2) Scaffolder NCII Certificate for TESDA / TESDA accredited training Institution</p> <p>Submit Copy of valid certificate work experience to be included in technical component envelope for</p> <p>a. Professional Mechanical Engineer with at least three (3) years' experience</p>	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		b. Mechanical Engineer with at least three (3) years' experience c. Safety Officer (SO2) with at least three (3) years' experience d. Crane Technicians with at least three (3) years' experience e. Millwrights with at least three (3) years' experience f. Scaffolders with at least three (3) years' experience g. Paint Inspector with at least three (3) years' experience	
63.	Evidence to support conformity with the technical specification	Submit the Manufacturers un-amended literature unconditional statement of specifications and compliance issued by the manufacturer, samples, independent test data etc. as appropriate of: a. Wire Rope b. Automatic Lubricator c. Thrustor Brake d. Gear Oils e. Remote Controller As evidence of the compliance to the required technical specification (to be included in the technical envelope)	
64.	Site Inspection to be conducted by competent technical personnel related to the project	Submit the Site Inspection Certificate signed by the Authorized NPC Representative as part of Post Qualification.	

Name of Bidder: _____

Signature of Bidder: _____

2.0 Main Hoist Variable Frequency Drive (VFD)

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
1.	Product or Component Type	Variable speed drive	
2.	Motor power kW	75 kW, 3 phase 380...480 V	
3.	Power supply voltage	380...480 V - 15...10 %	
4.	Phase	3 Phase	
5.	Line current	137 A 480 V 3 phase 75 kW / 100 hp	
6.	Output frequency	0.1...500 Hz	
7.	Protection type	<ul style="list-style-type: none"> - Against exceeding limit speed drive - Against input phase loss drive - Line supply overvoltage drive - Line supply undervoltage drive - Overcurrent between output phases and earth drive - Overheating protection drive - Overvoltages on the DC bus drive - Short-circuit between motor phases drive - Motor phase break motor - Thermal protection motor 	

3.0 Auxiliary Hoist Variable Frequency Drive (VFD)

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
1.	Product or Component Type	Variable speed drive	
2.	Motor power kW	55 kW, 3 phase 380...480 V	
3.	Power supply voltage	380...480 V - 15...10 %	
4.	Phase	3 Phase	
5.	Line current	150 A Max 480 V 3 phase 55 kW / 75 hp	
6.	Output frequency	0.1...500 Hz	
7.	Protection type	<ul style="list-style-type: none"> - Against exceeding limit speed drive - Against input phase loss drive - Line supply overvoltage drive - Line supply undervoltage drive - Overcurrent between output phases and earth drive - Overheating protection drive - Overvoltages on the DC bus drive - Short-circuit between motor phases drive - Motor phase break motor 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		- Thermal protection motor	

4.0 Trolley (Cross Travel) Variable Frequency Drive (VFD)

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
1.	Product or component type	Variable speed drive	
2.	Motor power kW	7.5 kW, 3 phases at 380...480 V	
3.	Power supply voltage	380...480 V - 15...10 %	
4.	Network number of phases	3 phases	
5.	Line current	max 25 A for 480 V 3 phases 7.5 kW / 10 hp	
6.	Output frequency	0.1...599 Hz	
7.	Protection type	<ul style="list-style-type: none"> - Against exceeding limit speed drive - Against input phase loss drive - Line supply overvoltage drive - Line supply undervoltage drive - Overcurrent between output phases and earth drive - Overheating protection drive - Overvoltages on the DC bus drive - Short-circuit between motor phases drive - Motor phase break motor - Thermal protection motor 	

5.0 Bridge (Long Travel) Variable Frequency Drive (VFD)

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
1.	Product or Component Type	Variable speed drive	
2.	Motor power kW	22 kW, 3 phase 380...480 V	
3.	Power supply voltage	380...480 V - 15...10 %	
4.	Phase	3 Phase	
5.	Line current	42 A 480 V 3 phase 22 kW / 30 hp	
6.	Output frequency	0.1...599 Hz	
7.	Protection type	<ul style="list-style-type: none"> - Against exceeding limit speed drive - Against input phase loss drive - Line supply overvoltage drive - Line supply undervoltage drive - Overcurrent between output phases and earth drive - Overheating protection drive - Overvoltages on the DC bus drive 	

Name of Bidder: _____

Signature of Bidder: _____

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		<ul style="list-style-type: none">- Short-circuit between motor phases drive- Motor phase break motor- Thermal protection motor	

Name of Bidder: _____

Signature of Bidder: _____

SECTION VII

SCHEDULE OF REQUIREMENTS (BID PRICE SCHEDULE)

SECTION VII - SCHEDULE OF REQUIREMENTS
AG4 REHABILITATION OF 2X45 TONS OVERHEAD CRANE VALVE
CHAMBER OF POWERHOUSE OF AGUS 4 HPP
PR. NO. MG-A5M24-004

ITEM NO.	DESCRIPTION	QTY.- UNIT	C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED						TOTAL PRICE
				Unit Price of Goods Delivered up to Philippine Port >(Phil. Peso)	Import Duties & other Levies Imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes Imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site <(Phil. Peso)	Labor (Installation, Testing and Commissioning) >(Phil. Peso)	Total Unit Price (E+F+G+H+I)	Local Currency (Phil. Peso) (K = J x C)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1.0	AG4 Rehabilitation of 2x45 Tons Overhead Crane Valve Chamber of Powerhouse of Agus 4 HPP including all other works and services as specified in the Technical Specifications.	1 Lot								
	----- Nothing Follows -----									

- * Bidders shall enter a code representing the Country of Origin of all Imported Equipment, Materials and Accessories
- + Cost of equipment, freight, insurance, etc. up to Phil. port of entry
- < Unit Price for Local Transportation, insurance and other local costs incidental to delivery of the goods from the Phil port of entry to final delivery site
- > Unit Price for Local Transportation, insurance and other local costs incidental to delivery of the goods from local source to final delivery site

Code	Country of Origin

Name of Bidder: _____

Signature of Bidder: _____

Note: Final delivery site of the equipment shall be at:

Agus 4 HEP Plant, Balo-i, Lanao Del Norte

SECTION VIII

BIDDING FORMS

SECTION VIII – BIDDING FORMS

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Sample Form	- Bank Guarantee Form for Advance Payment
Sample Form	- Certification from DTI as Domestic Bidder

Standard Form No: NPCSF-GOODS-01

Checklist of Technical & Financial Envelope Requirements for Bidders**A. THE 1ST ENVELOPE (TECHNICAL COMPONENT) SHALL CONTAIN THE FOLLOWING:****1. ELIGIBILITY DOCUMENTS****a. (CLASS A)**

➤ Any of the following:

- PhilGEPS Certificate of Registration and Membership under Platinum Category (all pages) in accordance with Section 8.5.2 of the IRR;

Note: The failure by the prospective bidder to update its Certificate with current and updated Class "A" eligibility documents shall result in the automatic suspension of the validity of its Certificate until such time that all of the expired Class "A" eligibility documents has been updated.

- Statement of all its ongoing government and private contracts if any, whether similar or not similar in nature and complexity to the contract to be bid (NPCSF-GOODS-02)
- The Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, and whose value, adjusted to current prices using the Philippine Statistics Authority (PSA) consumer price index, must be at least 50% of the ABC (NPCSF-GOODS-03) complete with the following supporting documents:

1. Certificate of Acceptance; or Certificate of Completion; or Official Receipt (O.R); or Sales Invoice

(The Single Largest Completed Contract (SLCC) as declared by the bidder shall be verified and validated to ascertain such completed contract. Hence, bidders must ensure access to sites of such projects/equipment to NPC representatives for verification and validation purposes during post-qualification process.

It shall be a ground for disqualification, if verification and validation cannot be conducted for reasons attributable to the Bidder.)

- Duly signed computation of its Net Financial Contracting Capacity (NFCC) at least equal to the ABC (NPCSF-GOODS-04) or a Committed Line of Credit (CLC) at least equal to ten percent (10%) of the ABC, issued by a Universal or Commercial Bank; If the Bidder opted to submit a Committed Line of Credit (CLC), the bidder must submit a granted credit line valid/effective at the date of bidding.

b. (CLASS B)

➤ For Joint Venture (if applicable), any of the following:

- Valid Joint Venture Agreement (NPCSF-GOODS-05)

OR

- Notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA, if awarded the contract

- Certification from the relevant government office of their country stating that Filipinos are allowed to participate in their government procurement activities for the same item/product *(For foreign bidders claiming eligibility by reason of their country's extension of reciprocal rights to Filipinos)*

2. Technical Documents

- Bid Security, any one of the following:

Standard Form No: NPCSF-GOODS-01

- Bid Securing Declaration (NPCSF-GOODS-06c)
- OR
- Cash or Cashier's/Manager's check issued by a Universal or Commercial Bank— 2% of ABC;
- OR
- Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: (NPCSF-GOODS-06a) - 2% of ABC;
- OR
- Surety Bond callable upon demand issued by a reputable surety or insurance company (NPCSF-GOODS-06b) - 5% of ABC, with
 - Certification from the Insurance Commission as authorized company to issue surety
- Duly signed, completely filled-out and notarized Omnibus Sworn statement (Revised) (NPCSF-GOODS-07), complete with the following attachments:
 - For Sole Proprietorship:
 - Special Power of Attorney
 - For Partnership/Corporation/Cooperative/Joint Venture:
 - Document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)
- Documents to be submitted with the Proposal as specified in Clause TS-9.0(a) of Section VI - Technical Specifications;
- Complete eligibility documents of the proposed subcontractor, if any

B. THE 2ND ENVELOPE (FINANCIAL COMPONENT) SHALL CONTAIN THE FOLLOWING:

- Duly signed Bid Letter indicating the total bid amount in accordance with the prescribed form (NPCSF-GOODS-08)
- Duly signed and completely filled-out Schedule of Requirement (Section VII) indicating the unit and total prices per item and the total amount in the prescribed Price Schedule form.
- For Domestic Bidder claiming for domestic preference:
 - Letter address to the BAC claiming for preference
 - Certification from DTI as Domestic Bidder in accordance with the prescribed forms provided

CONDITIONS:

1. Each Bidder shall submit Two (2) copies of the first and second components of its Bid, marked Original and photocopy. Only the original copy will be read and considered for the bid. Any misplaced document outside of the Original copy will not be considered. The photocopy is ONLY FOR REFERENCE. NPC 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.

Standard Form No.: NPCSF-GOODS-01

2. *In the case of foreign bidders, the eligibility requirements under Class "A" Documents (except for Tax Clearance) may be substituted by the appropriate equivalent documents, if any, issued by the country of the foreign bidder concerned. The eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. If the eligibility requirements or statements, the bids, and all other documents submitted to the BAC are in foreign language other than English, it must be accompanied by a translation of the documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country; and 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.*

These documents shall be accompanied by a Sworn Statement in a form prescribed by the GPPB stating that the documents submitted are complete and authentic copies of the original, and all statements and information provided therein are true and correct. Upon receipt of the said documents, the PhilGEPS shall process the same in accordance with the guidelines on the Government of the Philippines – Official Merchants Registry (GoP-OMR).

3. *A Bidder not submitting bid for reason that his cost estimate is higher than the ABC, is required to submit his letter of non-participation/regret supported by corresponding detailed estimates. Failure to submit the two (2) documents shall be understood as acts that tend to defeat the purpose of public bidding without valid reason as stated under Section 69.1.(i) of the revised IRR of R.A. 9184.*

Standard Form Number: NPCSF-GOODS-02

List of All Ongoing Government and Private Contracts Including Contract Awarded But Not Yet Started

Business Name : _____
 Business Address : _____

Name of Contract/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Bidder's Role		a. Date Awarded b. Date Started c. Date of Completion or Contract Duration/ Date of Delivery	Value of Outstanding Works / Undelivered Portion
			Description	%		
Government						
Private						
Total Cost						

The bidder shall declare in this form all his on-going government and private contracts including contracts where the bidder (either as individual or as a Joint Venture) is a partner in a Joint Venture agreement other than his current joint venture where he is a partner. Non declaration will be a ground for disqualification of bid.

- Note : This statement shall be supported with the following documents for all the contract(s) stated above which shall be submitted during Post-qualification:
1. Contract/Purchase Order and/or Notice of Award
 2. Certification coming from the project owner/client that the performance is satisfactory as of the bidding date.

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

Standard Form Number: NPCSF-GOODS-03

The Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid

Business Name : _____
 Business Address : _____

Name of Contract	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Amount at Award b. Amount at Completion c. Duration	a. Date Awarded b. Contract Effectivity c. Date Completed
			Description	%		

- Notes: 1. The bidder must state only one (1) Single Largest Completed Contract (SLCC) similar to the contract to be bid.
 2. Supporting documents such as any of the following: Certificate of Acceptance; or Certificate of Completion; or Official Receipt (O.R); or Sales Invoice for the contract stated above shall be submitted during Bid Opening.

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

Standard Form Number: NPCSF-GOODS-04

NET FINANCIAL CONTRACTING CAPACITY (NFCC)

- A. Summary of the Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the income tax return and audited financial statement for the immediately preceding calendar year are:

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

- B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = [(Current assets minus current liabilities) x 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 for this Project.

NFCC = P _____

Herewith attached is certified true copy of the audited financial statement, stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the immediately preceding calendar year.

Submitted by:

Name of Supplier / Distributor / Manufacturer

Signature of Authorized Representative

Date : _____

Standard Form Number: NPCSF-GOODS-05

JOINT VENTURE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

That this JOINT VENTURE AGREEMENT is entered into by and between: _____, of legal age, (*civil status*) _____, authorized representative of _____ and a resident of _____.

- and -

_____, of legal age, (*civil status*) _____, authorized representative of _____ a resident of _____.

That both parties agree to join together their capital, manpower, equipment, and other resources and efforts to enable the Joint Venture to participate in the Bidding and Undertaking of the hereunder stated Contract of the **National Power Corporation**.

NAME OF PROJECT

CONTRACT AMOUNT

That the capital contribution of each member firm:

NAME OF FIRM	CAPITAL CONTRIBUTION
1.	P
2.	P

That both parties agree to be jointly and severally liable for their participation in the Bidding and Undertaking of the said contract.

That both parties agree that _____ and/or _____ shall be the Official Representative/s of the Joint Venture, and are granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the Joint Venture in the Bidding and Undertaking of the said contract, as fully and effectively and the Joint Venture may do and if personally present with full power of substitution and revocation.

That this Joint Venture Agreement shall remain in effect only for the above stated Contract until terminated by both parties.

Name & Signature of Authorized Representative

Official Designation

Name of Firm

Name & Signature of Authorized Representative

Official Designation

Name of Firm

Witnesses

1. _____

2. _____

[Jurat]

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

Standard Form Number: NPCSF-GOODS-06a

FORM OF BID SECURITY (BANK GUARANTEE)

WHEREAS, (Name of Bidder) (hereinafter called "the Bidder") has submitted his bid dated (Date) for the [name of project] (hereinafter called "the Bid").

KNOW ALL MEN by these presents that We (Name of Bank) of (Name of Country) having our registered office at _____ (hereinafter called "the Bank" are bound unto National Power Corporation (hereinafter called "the Entity") in the sum of [amount in words & figures as prescribed in the bidding documents] for which payment well and truly to be made to the said Entity the Bank binds himself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this _____ day of _____ 20____.

THE CONDITIONS of this obligation are that:

- 1) if the Bidder withdraws his Bid during the period of bid validity specified in the Bidding Documents; or
- 2) if the Bidder does not accept the correction of arithmetical errors of his bid price in accordance with the Instructions to Bidder; or
- 3) if the Bidder, having determined as the LCB, fails or refuses to submit the required tax clearance, latest income and business tax returns and PhilGEPs registration certificate within the prescribed period; or
- 4) if the Bidder having been notified of the acceptance of his bid and award of contract to him by the Entity during the period of bid validity:
 - a) fails or refuses to execute the Contract; or
 - b) fails or refuses to submit the required valid JVA, if applicable; or
 - c) fails or refuses to furnish the Performance Security in accordance with the Instructions to Bidders;

we undertake to pay to the Entity up to the above amount upon receipt of his first written demand, without the Entity having to substantiate its demand, provided that in his demand the Entity will note that the amount claimed by it is due to the occurrence of any one or combination of the four (4) conditions stated above.

The Guarantee will remain in force up to 120 days after the opening of bids or as it may be extended by the Entity, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE _____

SIGNATURE OF THE BANK _____

WITNESS _____

SEAL _____

(Signature, Name and Address)

Standard Form Number: NPCSF-GOODS-06b

FORM OF BID SECURITY (SURETY BOND)

BOND NO.: _____ DATE BOND EXECUTED: _____

By this bond, We (Name of Bidder) _____ (hereinafter called "the Principal") and (Name of Surety) _____ of (Name of Country of Surety) _____, authorized to transact business in the Philippines (hereinafter called "the Surety") are held and firmly bound unto National Power Corporation (hereinafter called "the Employer") as Obligee, in the sum of (amount in words & figures as prescribed in the bidding documents), callable on demand, for the payment of which sum, well and truly to be made, we, the said Principal and Surety bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.

SEALED with our seals and dated this _____ day of _____ 20 _____

WHEREAS, the Principal has submitted a written Bid to the Employer dated the _____ day of _____ 20 _____, for the _____ (hereinafter called "the Bid").

NOW, THEREFORE, the conditions of this obligation are:

- 1) if the Bidder withdraws his Bid during the period of bid validity specified in the Bidding Documents; or
- 2) if the Bidder does not accept the correction of arithmetical errors of his bid price in accordance with the Instructions to Bidder; or
- 3) if the Bidder, having determined as the LCB, fails or refuses to submit the required tax clearance, latest income and business tax returns and PhilGEPs registration certificate within the prescribed period; or
- 4) if the Bidder having been notified of the acceptance of his bid and award of contract to him by the Entity during the period of bid validity:
 - d) fails or refuses to execute the Contract; or
 - e) fails or refuses to submit the required valid JVA, if applicable; or
 - f) fails or refuses to furnish the Performance Security in accordance with the Instructions to Bidders;

then this obligation shall remain in full force and effect, otherwise it shall be null and void.

PROVIDED HOWEVER, that the Surety shall not be:

- a) liable for a greater sum than the specified penalty of this bond, nor
- b) liable for a greater sum than the difference between the amount of the said Principal's Bid and the amount of the Bid that is accepted by the Employer.

Standard Form Number: NPCSF-GOODS-06b
Page 2 of 2

This Surety executing this instrument hereby agrees that its obligation shall be valid for 120 calendar days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Surety is hereby waived.

PRINCIPAL _____

SURETY _____

SIGNATURE(S) _____

SIGNATURES(S) _____

NAME(S) AND TITLE(S) _____

NAME(S) _____

SEAL _____

SEAL _____

Standard Form No: NPCSF-GOODS-06c

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.**BID-SECURING DECLARATION**
AG4 REHABILITATION OF 2X45 TONS OVERHEAD CRANE VALVE CHAMBER OF
POWERHOUSE OF AGUS 4 HPP (PR NO. MG-A5M24-004)To: **National Power Corporation**
BIR Road cor. Quezon Ave.
Diliman, Quezon CityI/We¹, 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 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 R.A. 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;
 - (c) I am/we are declared as the bidder with the Lowest Calculated and Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/we have hereunto set my hand this ____ day of ____
20____ at _____, Philippines._____
[Name and Signature of Bidder's Representative/
Authorized Signatory]
[Signatory's legal capacity]
Affiant**[Jurat]**

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

¹ Select one and delete the other. Adopt same instruction for similar terms throughout the document.

Standard Form No: NPCSF-GOODS-07

Omnibus Sworn Statement (Revised)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]

Standard Form No: NPCSF-GOODS-08

BID LETTER

Date: _____

To: **THE PRESIDENT**
 National Power Corporation
 Senator Miriam P. Defensor-Santiago Avenue
 (Formerly BIR Road) Corner Quezon Avenue,
 Diliman, Quezon City, Philippines 1100

Gentlemen:

Having examined the Bidding Documents including Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to perform **AG4 REHABILITATION OF 2X45 TONS OVERHEAD CRANE VALVE CHAMBER OF POWERHOUSE OF AGUS 4 HPP (MG-A5M24-004)** in conformity with the said Bidding Documents for the sum of *[total Bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to supply and deliver the goods and perform other services, if required within the contract duration and in accordance with the scope of the contract specified in the Schedule of Requirements and Technical Specifications.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in Bid Documents and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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 Bidding Documents.

We likewise certify/confirm that the undersigned, *[for sole proprietorships, Insert: as the owner and sole proprietor or authorized representative of [Name of Bidder]* has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the *[Name of Project]* of the National Power Corporation *[for partnerships, corporations, cooperatives, or joint ventures, Insert: is granted full power and authority by the [Name of Bidder]* to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for *[Name of Project]* of the National Power Corporation.

We acknowledge that failure to sign each and every page of this Bid Letter, including the attached Schedule of Requirements (Bid Price Schedule), shall be a ground for the rejection of our bid.

[name and signature of authorized signatory] *[in the capacity of]*

Duly authorized to sign Bid for and on behalf of _____
[name of bidder]

Bank Guarantee Form for Advance Payment

To: **THE PRESIDENT**
National Power Corporation
Senator Miriam P. Defensor-Santiago Avenue
(Formerly BIR Road) Corner Quezon Avenue,
Diliman, Quezon City, Philippines 1100

[name of Contract]

Gentlemen and/or Ladies:

In accordance with the Advance Payment Provision, of the General Conditions of Contract, *[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 *[name of the universal/commercial bank]*, 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 the advance payment is received by the Supplier under the Contract and until the Goods are accepted by the PROCURING ENTITY.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

CERTIFICATION AS A DOMESTIC BIDDER

This is to certify that based on the records of this office, (Name of Bidder) is duly registered with the DTI on _____.

This further certifies that the articles forming part of the product of (Name of Bidder) which are/is (Specify) are substantially composed of articles, materials, or supplies grown, produced or manufactured in the Philippines. (Please encircle the applicable description/s).

This certification is issued upon the request of (Name of Person/Entity) in connection with his intention to participate in the bidding for the (Name of Project) of the National Power Corporation (NPC).

Given this ___ day of _____, 20__ at _____, Philippines

Name

Position

Department of Trade & Industry