



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

## **BID DOCUMENTS**

Name of Project : **SUPPLY, DELIVERY, AND TESTING OF POWER QUALITY ANALYZER, DIGITAL POWER METER AND SYNCHRONIZER FOR OCCIDENTAL MINDORO S/S & 69kV T/L**

Project Location : **PULANG LUPA, BRGY. CENTRAL, SAN JOSE, OCCIDENTAL MINDORO**

PR No. : **S1-OCS22-023**

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**Design and Development Department**



**ATTACHMENT 1**

**PR NO. S1-OCS22-023**

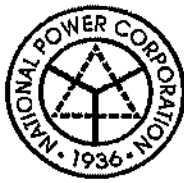
**SUPPLY AND DELIVERY OF OF POWER QUALITY ANALYZER, DIGITAL POWER METER AND SYNCHRONIZER FOR  
OCCIDENTAL MINDORO S/S & 69KV T/L**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>		<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
<b>3</b>	Power Quality Analyzer	1	UNIT	1,500,000.00	1,500,000.00
<b>1</b>	Digital Power Meter	12	PC	25,000.00	300,000.00
<b>2</b>	Synchronizer	1	SET	300,000.00	300,000.00
				<b>TOTAL:</b>	<b>2,100,000.00</b>

SECTION I

**INVITATION TO BID**





# National Power Corporation

## INVITATION TO BID

### PUBLIC BIDDING – BCS 2023-0054

1. The NATIONAL POWER CORPORATION (NPC), through its approved Corporate Budget of CY 2023 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
S1-CTL23-001 / PB230228-JD  Supply and Delivery of Transmission Line Protection and Line Hardwares at Catanduanes 69kV Transmission Line and Substation	Supply and Delivery of Transmission Line Hardware or and/or Electrical Parts / Components / Equipment for Transmission Line	15 February 2023 9:30 A.M	28 February 2023 9:30 A.M	₱ 2,075,000.00 / ₱ 5,000.00
S1-B0623-002 / PB230228-JL  Supply and Delivery of Mechanical Spare Parts for 3.6MW Daihatsu Diesel Engine, Model No. 12DK-32B for Power Barge 106	Supply and Delivery of Diesel Generating Sets or Mechanical and/or Electrical Parts / Components / Equipment for Diesel Generating Sets	15 February 2023 9:30 A.M	28 February 2023 9:30 A.M	₱ 6,431,525.00 / ₱ 10,000.00
S1-OCS22-023 / PB230228-JD00030  Supply and Delivery of Power Quality Analyzer, Digital Power Meter and Synchronizer for Occidental Mindoro S/S & 69kV T/L	Supply, Delivery and Testing of Power Monitoring / Electrical Testing Parts, Instrument, Tools or Equipment	15 February 2023 9:30 A.M	28 February 2023 9:30 A.M	₱ 2,100,000.00 ₱ 5,000.00
S1-MRO23-001 / PB230116-JD00448 (PB2)  Supply and Delivery of Security Spare Parts for 163kW Perkins Diesel Engine Generating Sets - Model No. 2006TG1 of Power Plants under Mindoro/Romblon Operations Division	Supply and Delivery of Diesel Generating Sets or Mechanical and/or Electrical Parts / Components / Equipment for Diesel Generating Sets	15 February 2023 9:30 A.M	28 February 2023 9:30 A.M	₱ 5,509,000.00 / ₱ 10,000.00
<b>Venue: Kañao Function Room, NPC Bldg. Diliman, Quezon City</b>				

2. 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
S1-CTL23-001	One Hundred Twenty (120) Calendar Days	Ten (10) Years
S1-B0623-002	Ninety (90) Calendar Days	Ten (10) Years
S1-OCS22-023	Sixty (60) Calendar Days	Ten (10) Years
S1-MRO23-001	Ninety (90) Calendar Days	Ten (10) Years

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

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

4. 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.
5. 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.
6. 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 for 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. A "No Face mask / No Entry" policy shall be implemented in the NPC premises. Face mask shall be 3-ply surgical or KN95 mask type.
  - 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 on 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**  
BIR Road cor. Quezon Avenue  
Diliman, Quezon City  
Tel Nos.: 8924-5211 and 8921-3541 local 5564/5211  
Fax No.: 8922-1622  
Email: [bcsd@napocor.gov.ph](mailto:bcsd@napocor.gov.ph) /
12. You may visit the following websites:

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

  
**RENE B. BARRUELA**  
Vice President, Corporate Affairs Group and  
Chairman, Bids and Awards Committee

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 **SUPPLY, DELIVERY, AND TESTING OF POWER QUALITY ANALYZER, DIGITAL POWER METER AND SYNCHRONIZER FOR OCCIDENTAL MINDORO S/S & 69KV T/L**, with identification number PR NO. S1-OCS22-023.

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 VII (Technical Specifications).

### 2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for CY 2022 in the amount of **₱ 2,100,000.00**.
- 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 Ten (10) 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:

## SECTION II – INSTRUCTIONS TO BIDDERS

- 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 Hundred 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 one copy of the first and second components of its Bid.

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

If the Procuring Entity allows the submission of bids through online submission 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 VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded 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**



## SECTION III - BID DATA SHEET

ITB Clause	
5.3	<p>For this purpose, similar contracts shall refer to supply, delivery and testing of power monitoring/electrical testing parts, instrument, tools or equipment.</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>
10.4	<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 <b>Post-Qualification</b>:</p> <ol style="list-style-type: none"> <li>1. Contract/Purchase Order and/or Notice of Award</li> <li>2. Certification coming from the project owner/client that the performance is satisfactory as of the bidding date</li> </ol> <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 <b>Bid Opening</b>:</p> <ol style="list-style-type: none"> <li>1. Contract/Purchase Order</li> <li>2. Certificate of Acceptance; or Certificate of Completion; or Official Receipt (O.R); or Sales Invoice</li> </ol> <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>



10.5	<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"> <li>1. Data and Information to be submitted with the Proposal as specified in Clause TS-7.0(a) 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> </li> <li>2. Complete eligibility documents of the proposed sub-contractor, if any</li> </ol>
12	<p>The price of the Goods shall be quoted DDP Project Site or the applicable International Commercial Terms (INCOTERMS) for this Project.</p>
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> <li>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</li> <li>b) The amount of not less than five percent (5%) of ABC, if bid security is in Surety Bond.</li> </ol>
19.3	<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 and ABC per item.</p> <p>Bid offers that exceed the ABC of the lot, ABC per item or with incomplete price, shall be rejected.</p>
19.5	<p>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.</p>

20.1	<p>Additional documents to be submitted during Post-Qualification:</p> <ul style="list-style-type: none"><li>a. Contract/Purchase Order and/or Notice of Award for the contracts stated in the List of all Ongoing Government &amp; Private Contracts Including Contracts Awarded but not yet Started (NPCSF-GOODS-02);</li><li>b. 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;</li><li>c. Documents to be submitted during post-qualification process as specified in TS-7.0(b) of Section VI-Technical Specifications</li></ul>
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 VII (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be

conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

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

## **5. Warranty**

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

## **6. Liability of the Supplier**

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

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

SECTION V

**SPECIAL CONDITIONS  
OF CONTRACT**



**SECTION IV – SPECIAL CONDITIONS OF CONTRACT**

GCC Clause	
1	<p><b>Delivery and Documents –</b></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"> <li>(i) Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;</li> <li>(ii) Original and four copies of Supplier's factory test/inspection report;</li> <li>(iii) Original and four copies of the certificate of origin (for imported Goods);</li> <li>(iv) Delivery receipt detailing number and description of items received signed by the Procuring Entity's representative at the Project Site;</li> <li>(v) Certificate of Completion/Inspection Report signed by the Procuring Entity's representative at the Project Site;</li> <li>(vi) Original and four copies of the Inspection Receiving Report signed by the Procuring Entity's representative at the Project Site;</li> <li>(vii) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate; and</li> <li>(viii) Documents specified in the Technical Specifications, if any.</li> </ul> <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 Vice President - SPUG.

**Incidental Services –**

The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. 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><b>1) For Supply and Delivery Contracts:</b></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 <b>delivered Goods</b> 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 <b>delivered Goods</b> 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><b>2) For Supply, Delivery, Installation, Test and Commissioning Contracts:</b></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"> <li>1. The following must be indicated in the performance bond to be posted by the Contractor:             <ol style="list-style-type: none"> <li>i. Company Name</li> <li>ii. Correct amount of the Bond</li> <li>iii. Contract/Purchase Order Reference Number</li> <li>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. &amp; Schedule/Purchase Order No.)</u> entered into by the parties."</li> </ol> </li> <li>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.</li> <li>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.</li> <li>4. Other required conditions in addition to the standard policy terms issued by the Bonding Company:             <ol style="list-style-type: none"> <li>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;</li> <li>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;</li> <li>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.</li> </ol> </li> </ol>
<p>4</p>	<p>The inspections and tests that will be conducted are specified in the Technical Specifications.</p>



## SECTION VI

# TECHNICAL SPECIFICATIONS

**SECTION VI - TECHNICAL SPECIFICATIONS**

**PART I - TECHNICAL SPECIFICATIONS**

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## Section VI – Technical Specifications

### PART I – TECHNICAL SPECIFICATIONS

**TS-1.0 GENERAL**

This specification covers the technical requirements for the **Supply, Delivery, and Testing of a Power Quality Analyzer, Digital Power Meter, and Synchronizer for Occidental Mindoro S/S & 69 kV & T/L.**

All supplied equipment and accessories shall be new and unused. They shall be suitable for the intended purpose and shall comply with all applicable regulations, quality, and dimension standards.

The Bidder shall accept full responsibility for his work including documentation, preparation for shipment, inspection, warranty provisions, and compliance with the applicable codes and standards and the requirements of this Specification.

**TS-2.0 SCOPE OF WORK**

The scope of work shall include the Supply, Delivery, and Testing of a Power Quality Analyzer, Digital Power Meter, and Synchronizer for Occidental Mindoro S/S & 69 kV & TL.

**TS-3.0 DELIVERY PERIOD AND LOCATION**

The delivery period shall be **Sixty (60) Calendar Days** reckoned from receipt of the Notice to Proceed.

The materials to be supplied shall be delivered to **National Power Corporation, Pulang Lupa, Brgy. Central, San Jose, Occidental Mindoro.**

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

**TS-4.0 CODES AND STANDARD**

The equipment to be furnished shall comply with any of the following codes and standards including all addenda, in effect at the time of purchase order unless otherwise stated in this specification:

- |  |      |
|--|------|
| 1. American National Standards Institute                 | ANSI |
| 2. Institute of the Electrical and Electronics Engineers | IEEE |
| 3. International Electrotechnical Commission             | IEC  |
| 4. Underwriters Laboratory                               | UL   |

In addition to the above codes and standards mentioned, the Bidder shall comply with all National and local laws, codes, regulations, statutes, and ordinances.



Equipment or materials meeting other internationally accepted standards, which ensure an equal or higher quality than the standards mentioned, will also be accepted.

In the event of any apparent conflict among standards, codes, or this specification, the Bidder shall refer the conflict to NPC for written resolution before delivery. The final decision regarding the acceptance of proposed standards is the prerogative of NPC.

Standards listed in the equipment specification are used mainly for NPC's references. Other internationally known standards, however, shall also apply, provided such standards are equivalent in all respect to the standard prescribed and to the specific requirements described in the individual equipment specification. The Bidder shall submit copies of such standards for NPC's review and approval.

**TS-5.0 GENERAL TECHNICAL REQUIREMENTS**

**TS-5.1 POWER QUALITY ANALYZER**

<b>Features</b>
<ul style="list-style-type: none"> <li>Automatically measure power and power quality parameters</li> <li>Intuitive user interface</li> <li>High-speed voltage transient capture</li> <li>Analysis software and reporting</li> </ul>
<b>Applications</b>
<ul style="list-style-type: none"> <li>Energy surveys and load testing</li> <li>Harmonic surveys</li> <li>Nuisance circuit breaker tripping</li> <li>Power utility power quality surveys</li> <li>Test equipment failures caused by transient</li> </ul>
<b>Voltage Inputs</b>
<ul style="list-style-type: none"> <li>4 inputs, 3 phases, and neutral referenced to PE (5 connectors)</li> <li>1000V CAT-III / 600V CAT-IV measurement category</li> <li>1000V RMS / 1000VDC maximum input voltage</li> <li>Wye and 1-phase: variable (50V~1000V) nominal voltage range</li> <li>Delta: Variable (100V~1000V) nominal voltage range</li> <li>At least 1 MS/s sampling rate</li> <li>Up to +/-8 kV measurement range</li> </ul>
<b>Current Inputs</b>
<ul style="list-style-type: none"> <li>4 inputs, 3 phases, and neutral, auto-range select to the attached sensor</li> <li>Supported AC range 1A~1500A, 3A~1500A, 6A~6000A, 4A~40mA</li> <li>Supported DC range 20A~200</li> </ul>
<b>Aux Inputs</b>
<ul style="list-style-type: none"> <li>2-inputs, Direct: 0VDC~+/-10VDC, 0~1000VDC</li> <li>User-configurable up to 8-characters display units</li> </ul>
<b>Data Acquisition (Voltage and Current)</b>
<ul style="list-style-type: none"> <li>DC, 60Hz ±15 % input mains frequency</li> <li>At least 32GB of data storage</li> </ul>
<b>Interface</b>



<ul style="list-style-type: none"> <li>• 1 GB 1000BASE-T Ethernet</li> <li>• USB Type-A and Type-C are supported</li> </ul>
<b>Electrical Measurement Accuracy Parameters</b>
<ul style="list-style-type: none"> <li>• Voltage Range: 1000V at 0.1V resolution</li> <li>• Voltage Transient: +/- 8kVpk</li> <li>• THD on Voltage: 100% at 0.1%/0.1mV resolution</li> <li>• THD on Current: 100% at 0.1% resolution</li> </ul>
<b>Environmental Specification</b>
<ul style="list-style-type: none"> <li>• Up to 50 °C operating temperature</li> <li>• 35°C~50°C operating humidity</li> </ul>
<b>Power Supply</b>
<ul style="list-style-type: none"> <li>• 100V~ 600V at -15 % voltage range</li> <li>• Li-Ion battery with an extended temperature range</li> </ul>
<b>Accessories</b>
<ul style="list-style-type: none"> <li>• Hard-carrying Case (IP-67)</li> <li>• Flexible A-24 in, 2.0M Test Cable Set</li> <li>• Flexible Current Probes (1,3,5kA)</li> <li>• 0.18M Test Lead Set (Non-stack/Stack)</li> <li>• Flat cable, 3-phase + N Voltage Test Lead</li> <li>• Alligator Clip (Black, Green)</li> <li>• Magnet Probe-1, 3-Red/ 1-Black for 4MM Banana</li> <li>• Cable Marker Set (Voltage &amp; Current)</li> <li>• Clamp-on Current Transformer</li> <li>• Current Clamp (AC/DC)</li> <li>• Power Adaptor Communication/Interface Cables</li> </ul>

**TS-5.2 DIGITAL POWER METER**

<b>Features</b>
<ul style="list-style-type: none"> <li>• Multifunction data logging power, and energy meter</li> <li>• Certified accuracy class 0.2 by ANSI and IEC standards</li> <li>• High-Resolution Frequency Measurements</li> <li>• Transformer Line Loss and CT/PT Compensation</li> <li>• Programmable Voltage Range to Any PT Ratio</li> <li>• Programmable Current to Any CT Ratio</li> <li>• Galvanic ally Isolated inputs up to 2500V</li> <li>• Support KYZ Pulse</li> </ul>
<b>Voltage Inputs</b>
<ul style="list-style-type: none"> <li>• Absolute Range: (20~576) Volts Line to Neutral, (0~721) Volts Line to Line</li> <li>• Universal Voltage Input</li> <li>• Programmable Voltage Range to Any PT Ratio</li> <li>• Supports: 3 Element WYE, 2.5 Element WYE, 2 Element Delta, 4 Wire Delta Systems</li> <li>• Input Impedance 1 MΩ/Phase</li> <li>• Burden: 0.36 VA/Phase at 600V; 0.014 VA at 120 Volts</li> </ul>
<b>Current Inputs</b>
<ul style="list-style-type: none"> <li>• Class 10:(0.005~10) A, 5A Nominal CT Secondary</li> <li>• Class 2:(0.001~2) A, 1A Nominal CT Secondary</li> <li>• Fault Current Withstand (at 23 °C): 100 A for 10 Seconds, 300 A</li> </ul>



<ul style="list-style-type: none"> <li>for 3 Seconds, 50 A for 1 Second</li> <li>• Continuous Current Withstand: 20A</li> <li>• Burden 0.005 VA per Phase Max at 11A</li> <li>• Pickup Current: 0.1% of Nominal (Class 10:5mA; Class 2:1mA)</li> </ul>
<b>Sensing Method</b>
<ul style="list-style-type: none"> <li>• True RMS</li> <li>• Support sampling Samples/Cycles on all measured Channels</li> <li>• Harmonics Resolution to 40th Order</li> <li>• Waveform up to 512 Samples/Cycle</li> </ul>
<b>Power Supply</b>
<ul style="list-style-type: none"> <li>• Power Supply 90~265VAC @ 50/60Hz</li> </ul>
<b>Communication Interface</b>
<ul style="list-style-type: none"> <li>• Support multi-protocol communication interface</li> <li>• Modbus RTU, ASCII, and DNP3 Protocols</li> </ul>

**TS-5.3 SYNCHRONIZER**

<b>Dual Frequency Meter</b>
<ul style="list-style-type: none"> <li>• Voltage input: 100/125VAC</li> <li>• Frequency inputs: 55/65 Hz</li> <li>• Accuracy: Class 0.5</li> <li>• Burden: &lt; 7VA</li> </ul>
<b>Dual Voltage Meter</b>
<ul style="list-style-type: none"> <li>• Voltage Input: 0/300VAC</li> <li>• Accuracy: Class 1.5</li> <li>• Frequency: 50/60Hz</li> <li>• Impedance: 900 Ohm/V</li> </ul>
<b>Voltage Rating-Synchro Scope and Synchro Check Relay</b>
<ul style="list-style-type: none"> <li>• 110, 120, 220, 230, 240 110/120 V</li> <li>• (115V nominal) Volts AC or via VT</li> <li>• 4VA maximum Suitable for 1 or 3-ph. systems</li> <li>• Dielectric protection up to 4kV RMS</li> <li>• BUS/GEN/RELAY isolation</li> </ul>
<b>Phase Difference</b>
<ul style="list-style-type: none"> <li>• +0~20°, +2%</li> </ul>
<b>Voltage Difference</b>
<ul style="list-style-type: none"> <li>• +0~20%, +/-2% 0~10%</li> </ul>
<b>Time Delay</b>
<ul style="list-style-type: none"> <li>• 0~2.5 seconds +10%</li> </ul>
<b>Transducer Basic Parameters Operation Method</b>
<ul style="list-style-type: none"> <li>• Direct connection without instrument transformer</li> <li>• Single-phase AC</li> <li>• Three-wire three-phase AC, balanced/ unbalanced</li> <li>• Four-wire three-phase AC, balanced/ unbalanced</li> </ul>
<b>System Frequency</b>
<ul style="list-style-type: none"> <li>• 50Hz, 60Hz, 16-2/3Hz</li> </ul>
<b>Voltage Inputs</b>
<ul style="list-style-type: none"> <li>• Without instrument transformer L - N in range 0~90V, 0~180V, 0~450V</li> </ul>



<ul style="list-style-type: none"> <li>With instrument transformer by indication in plain text: prim. /sec.</li> </ul>
<b>Current Inputs</b>
<ul style="list-style-type: none"> <li>Without instrument transformer in range 0~2A, 0~4A, 0~10A</li> <li>With instrument transformer by indication in plain text: prim. /sec.</li> </ul>
<b>Measuring Range</b>
<ul style="list-style-type: none"> <li>Entering primary measuring range with starting range/ end range (-100 to +100MW)</li> </ul>
<b>Output Signals</b>
<ul style="list-style-type: none"> <li>Entering output signal with starting range/ end range in the range -20 ~ +20mA or -10 ~ +10V (4~20 mA)</li> </ul>
<b>Output Signal Limit</b>
<ul style="list-style-type: none"> <li>Entering output signal limit with lower range/ upper range (lower range + 4mA/ upper range + 22mA)</li> </ul>
<b>Characteristic</b>
<ul style="list-style-type: none"> <li>Characteristic, linear</li> <li>With knee-point at measuring range/ at the output signal (knee-point at + 50MW and + 2mA)</li> </ul>
<b>Analog Output 1 (Measured Variable)</b>
<ul style="list-style-type: none"> <li>Selectable measured variable from total active power</li> </ul>
<b>Analog Output 2 and 3</b>
<ul style="list-style-type: none"> <li>No signal, unit in operation, signal upon transducer disturbance</li> <li>Limit signal</li> <li>Selectable signal on undershoot/ overshoot voltages</li> <li>Power pulse rate, power variable, total active power reference pulse rate at 10 pulses/kWh.</li> </ul>
<b>Universal Transducer Input (AC Voltage)</b>
<ul style="list-style-type: none"> <li>Maximum rated mains voltage Y 230 /Δ 400V and Δ500V</li> <li>Permissible control range UE = 600 V; IE = 10A</li> <li>Rated frequency IEN 50Hz, 60Hz, 16-2/3Hz</li> <li>Frequency range IE: 50/60Hz ± 5Hz</li> <li>Waveform: sinusoidal or distorted up to the 32nd harmonic</li> </ul>
<b>AC Input Current IE</b>
<ul style="list-style-type: none"> <li>Rated input current IEN (Min. 1A, max. 5A)</li> <li>Input range IE 0~10A</li> <li>Power consumption per current path 0.01 VA at IE =1A, 0.05 VA at IE=5A, 0.1VA at IE=10A</li> <li>Continuous overload capacity 12A</li> <li>Surges withstand capability 200A for 1s</li> </ul>
<b>AC Input Voltage UE</b>
<ul style="list-style-type: none"> <li>Rated voltage UEN: max. 500V Δ, Max. 288V Y and 1-phase</li> <li>Power consumption per line UL-N:0.02 VA at UE =100 V/3, 0.33VA at UE=230V</li> <li>Surges withstand UL-L ≤850 V/ 5 surges 1s at intervals of 5s</li> </ul>
<b>Analog Outputs</b>
<ul style="list-style-type: none"> <li>Electrically isolated Bipolar DC or DC voltage</li> <li>Rated output current IAN: 20mA</li> <li>Rated control range: 0 to IAN</li> <li>Permissible control range: ± 1.2 IAN</li> <li>No-load voltage UAL: ≤25 V</li> <li>Rated load RBIN: 7.5 V/IAN</li> </ul>



<ul style="list-style-type: none"> <li>• Operating load RB: 0~15 V/ IAN</li> <li>• Rated output voltage UAN: 10V</li> <li>• Rated control range: 0~UAN</li> <li>• Permissible control range: ± 1.2 UAN</li> <li>• Short-circuit current: ≤50 mA</li> <li>• Rated load RBIN: UAN / 2.5mA</li> <li>• Load current: ≤20mA</li> <li>• Residual ripple IPP: ≤0.5 % PP of IAN</li> <li>• Permissible voltage: ± 100 VDC or 100 VAC</li> <li>• Permissible current: 150mA continuously</li> <li>• 500mA for 100ms</li> <li>• Permissible operating frequency: ≤10Hz</li> <li>• Hysteresis at 2% of int. range limit</li> </ul>
<p>Auxiliary Power Acc. to EN 50082-2</p> <ul style="list-style-type: none"> <li>• Variant 1:             <ul style="list-style-type: none"> <li>• Rated output voltage UHN: 24~60 V DC</li> <li>• Voltage range UH: ± 20 % of the nominal range</li> </ul> </li> <li>• Variant 2:             <ul style="list-style-type: none"> <li>• Rated input voltage UHN: 100~230 V AC, 47~63 Hz</li> <li>• Voltage UH: ±10% of the nominal range or 110~250 VDC</li> <li>• Voltage range UH: ± 20% of the nominal range</li> <li>• Power consumption: 1.5-3W depending on the output wiring</li> </ul> </li> </ul>
<p>Errors and Influences Acc. to IEC 60688 (Relative Error Information with ± Sign)</p> <ul style="list-style-type: none"> <li>• Errors in case of reference conditions: referred to IAN or UAN</li> <li>• Current, voltage: ≤0.2%</li> <li>• Active, reactive, apparent power: ≤0.3%</li> <li>• Phase angle: ≤0.5%</li> <li>• Power factor: ≤1% (measured as from &gt;1% of the internal apparent power)</li> <li>• Frequency: ≤3mHz ± 0.2% of the output range (measure in L1 as from 20 % of the internal voltage range)</li> <li>• Energy: ≤0.2%</li> <li>• Reference conditions</li> <li>• Input current IE: IEN ±1%</li> <li>• Input voltage UE: UEN ±1%</li> <li>• Frequency IE: IEN ±1%</li> <li>• Sinusoidal waveform: harmonic distortion ≤5%</li> <li>• Load RB: RBIN ±1%</li> <li>• Auxiliary voltage UH: UHN</li> <li>• Warm-up time: ≤15min</li> <li>• Extraneous fields: none</li> <li>• Influences referred to AN of the input voltage: ≤0.2 % of UEN up to 1.2 UEN of the input current: ≤0,2%</li> <li>• IEN up to 1.2 IEN</li> <li>• the auxiliary voltage of 0.8 to 1.2 UHN: ≤0.1%</li> <li>• Ambient temperature: ≤0.2% / 10 K</li> <li>• Harmonics: ≤0.02% per 10% harmonic distortion, up to 32nd harmonic</li> <li>• Load: ≤0.1% in the event of a load change for 0 Ω to 15V/IAN</li> </ul>



- Heating up:  $\leq 0.3\%$

**TS-6.0 ACCEPTANCE CRITERIA**

- 6.1. The Bidder shall perform all inspections at his own expense to ensure the adequacy of the supplied electrical equipment's design, material, workmanship, and conformance to the requirements of the NPC specifications and standards.
- 6.2. A Certificate of Acceptance of the items shall be issued by NPC after the Bidder has completed the following activities:
  - 6.2.1. All equipment, devices, and materials have been delivered, installed, and configured.
  - 6.2.2. Power-on self-test and manufacturer-recommended diagnostic tests have been conducted and results submitted where applicable by the Bidder on all equipment and devices.
  - 6.2.3. Applicable integration of components has been set up.
  - 6.2.4. Actual testing of appropriate functionalities has been completed.
  - 6.2.5. All wireless devices located anywhere in the NPC building premises must have sufficient signal strength to avail of video conferencing, web browsing, file transfer, and other network services.
  - 6.2.6. Wireless devices must always be connected to the wireless network while moving from floor to floor, left-wing to right-wing, and vice versa without being disconnected.
  - 6.2.7. At least 10 working days of actual use of the network.

**TS-7.0 DOCUMENTS TO BE SUBMITTED**

- a. To be submitted with the bid/proposal for evaluation:
  - a.1 Completely filled-out Technical Data Sheets (TDS).
  - a.2 Manufacturer's Brochures/Catalogues/Drawings which contain information/data to support the Bidder's submitted and filled-out Technical Data Sheet.
  - a.3 The Bidder must submit a Certificate of Dealership or Reseller from the principal issued to the Bidder, directly addressed to the BAC-NPC, indicating therein the PR/Reference number.
  - a.4 The Bidder must submit a Certificate issued by the principal that the Bidder is an implementation partner of the proposed solution, and shall have at least five (5) years of experience in undertaking a similar contract.

- a.5 The Bidder shall provide a comprehensive Service Level Agreement for the maintenance and support within the scope of the project.

*Note: Authorization to bid and Certificate of Dealership or Reseller from the Manufacturer shall be current and valid on the date of bid opening as advertised.*

- b. To be submitted during post-qualification:

- b.1 Letter of Confirmation from the Manufacturer that a local agent or representative is available to provide "After Sales Service" to the supplied components/parts/accessories during and after the warranty period. Name, address, and contact number shall be provided.
- b.2 Certificate from their customer (End-user) duly addressed to the Bidder that the supplied equipment of the same brand to be offered has performed satisfactorily in service. The certification must indicate in the PR/Reference Number and date of issuance.

*Note: Authorization to bid shall be current and valid for at least six (6) months from the date of bid opening as advertised.*

- c. To be submitted before or upon delivery:

- c.1 "Certificate of Origin" from the Manufacturer;
- c.2 "Warranty Certificate" for one (1) year against factory defects/workmanship;
- c.3 User Manual;
- c.4 Test Certificate Traceable to National/International Standards;

Note: All documents in **Clause TS-7.0** shall be submitted to the **Manager-Mindoro Romblon Operations Division (MROD)** for evaluation and/or approval before the issuance of the acceptance certificate.

## **TS-8.0 GUARANTEE**

The Bidder shall guarantee to complete the repair, and/or replacement within **Sixty (60) Calendar Days**, of the supplied instruments and accessories at his own expense against defects in design, workmanship, and materials for **One (1) year** after acceptance by NPC. The Bidder must guarantee that the unit will perform in the manner outlined in the manual and the Contract.

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





After the warranty period lapses, provided that no defects are found and/or pending repair works, NPC shall release the warranty security/certificate.

**TS-9.0 MEASUREMENT OF PAYMENT**

NPC shall pay the Bidder within thirty (30) days from receipt of the complete supporting documents as required by NPC. Checks will be prepared for payment to the Bidder subject to existing taxes.

## Section VI – Technical Specifications

### PART II – TECHNICAL DATA SHEETS

#### TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	POWER QUALITY ANALYZER	VI-TDS-2
2.0	DIGITAL POWER METER	VI-TDS-4
3.0	SYNCHRONIZER	VI-TDS-5

## Section VI – Technical Specifications

### PART II – TECHNICAL DATA SHEETS

#### SUPPLY, DELIVERY AND TESTING OF POWER QUALITY ANALYZER, DIGITAL POWER METER, AND SYNCHRONIZER FOR OCCIDENTAL MINDORO S/S & 69kV T/L

##### Technical Requirements

- 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.

**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_

## Section VI – Technical Specifications

### PART II – TECHNICAL DATA SHEETS

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## Section VI – Technical Specifications

### PART II – TECHNICAL DATA SHEETS

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**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
<b>1.0</b>	<b>POWER QUALITY ANALYZER</b>		
	1. Manufacturer	By supplier	
	2. Place of Manufacturer	By supplier	
	3. Brand/Model	By supplier	
	4. No. of Units	1	
	5. Features	<ul style="list-style-type: none"> <li>• Automatically measure power and power quality parameters</li> <li>• Intuitive user interface</li> <li>• High-speed voltage transient capture</li> <li>• Analysis software and reporting</li> </ul>	
	6. Application	<ul style="list-style-type: none"> <li>• Energy surveys and load testing</li> <li>• Harmonic Surveys</li> <li>• Nuisance circuit breaker tripping</li> <li>• Power utility power quality surveys</li> <li>• Test equipment failures caused by transient</li> </ul>	
	7. Voltage Input		
	a. 4 inputs, 3 phases and neutral referenced to PE (5 connectors)	Included	
	b. Measurement Category	1000V CAT-III/600V CAT-IV or better	
	c. Maximum input voltage	1000V RMS/1000VDC or higher	
	d. Wye and 1-phase nominal voltage range	50v ~ 1000v or higher	
	e. Delta nominal voltage range	100V~1000V or higher	
	f. Sampling rate	At least 1 MS/s or better	
	g. Voltage Transients	Up to +/-8 kV	
	8. Current Inputs		
	a. 4 inputs, 3 phases and neutral, auto range select to the attached sensor	Included	
	b. Supported AC range	<1A to >6000A	
	c. Supported DC range	<20A to >200	
	9. Aux. inputs		
	a. 2-inputs, Direct: 0VDC~+/-10VDC, 0~1000VDC	Included	

**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	b. User-configurable display units	Up to 8-characters	
	10. Data Acquisition (Voltage and Current)		
	a. 2-inputs, Direct: 0VDC~ +/- 10VDC, 0~1000VDC	Included	
	b. User-configurable display units	Up to 8-characters	
	11. Interface	<ul style="list-style-type: none"> <li>• 1 GB 1000BASE-T Ethernet</li> <li>• USB Type-A and C</li> </ul>	
	12. Electrical Measurement Accuracy Parameters		
	a. Voltage Range	1000V at 0.1V resolution	
	b. Voltage Transient	+/- 8kVpk	
	c. THD on Voltage	100% at 0.1%/ 0.1mV resolution	
	d. THD on Current	100% at 0.1% resolution	
	13. Environmental Specification	<ul style="list-style-type: none"> <li>• Up to 50°C operating temperature</li> <li>• Up to 50°C operating humidity</li> </ul>	
	14. Power Supply		
	a. Voltage Range	100V~ 600V	
	b. Battery Type	Li-Ion battery with an extended temperature range	
	15. Accessories	<ul style="list-style-type: none"> <li>• Hard-carrying Case (IP-67)</li> <li>• Flexible A-24 in, 2.0M Test Cable Set</li> <li>• Flexible Current Probes (1,3,5kA)</li> <li>• 0.18M Test Lead Set (Non-stack/Stack)</li> <li>• Flat cable, 3-phase + N Voltage Test Lead</li> <li>• Alligator Clip (Black, Green)</li> <li>• Magnet Probe-1, 3-Red/ 1-Black for 4MM Banana</li> <li>• Cable Marker Set (Voltage &amp; Current)</li> <li>• Clamp-on Current Transformer</li> <li>• Current Clamp (AC/DC)</li> </ul>	

**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		<ul style="list-style-type: none"> <li>Power Adaptor Communication/Interface Cables</li> </ul>	
<b>2.0</b>	<b>DIGITAL POWER METER</b>		
	1. Manufacturer	By supplier	
	2. Place of Manufacturer	By supplier	
	3. Brand/Model	By supplier	
	4. No. of Units	12 units	
	5. Features	<ul style="list-style-type: none"> <li>Multifunction data logging power, and energy meter</li> <li>Certified accuracy class 0.2 by ANSI and IEC standards</li> <li>High-Resolution Frequency Measurements</li> <li>Transformer Line Loss and CT/PT Compensation</li> <li>Programmable Voltage Range to Any PT Ratio</li> <li>Programmable Current to Any CT Ratio</li> <li>Galvanic ally Isolated inputs up to 2500V</li> <li>Support KYZ Pulse</li> </ul>	
	6. Voltage inputs		
	a. Absolute Range	(20~576) Volts Line to Neutral, (0~721) Volts Line to Line	
	b. Supports	3 Element WYE, 2.5 Element WYE, 2 Element Delta, 4 Wire Delta Systems	
	c. Input Impedance	1 MΩ/Phase	
	d. Burden	0.36 VA/Phase at 600V; 0.014 VA at 120 Volts	
	e. Universal Input Voltage	Included	
	f. Programmable Voltage Range to Any PT Ratio	Included	
	7. Current Inputs		
	a. Class 10:(0.005~10) A, 5A	Included	

**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_



ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	Nominal CT Secondary		
	b. Class 2:(0.001~2) A, 1A Nominal CT Secondary	Included	
	c. Fault Current Withstand (at 23 °C)	100 A for 10 Seconds, 300 A for 3 Seconds, 50 A for 1 Second	
	d. Continuous Current Withstand	20A	
	e. Burden	0.005 VA per Phase Max at 11A	
	f. Pickup Current	0.1% of Nominal (Class 10:5mA; Class 2:1mA)	
	8. Sensing Method	<ul style="list-style-type: none"> <li>• True RMS</li> <li>• Support sampling Samples/Cycles on all measured Channels</li> <li>• Harmonics Resolution to 40th Order</li> <li>• Waveform up to 512 Samples/Cycle</li> </ul>	
	9. Power Supply	Power Supply 90~265VAC @ 50/60Hz	
	10. Communication Interface	<ul style="list-style-type: none"> <li>• Support multi-protocol communication interface</li> <li>• Modbus RTU, ASCII, and DNP3 protocols</li> </ul>	
<b>3.0</b>	<b>SYNCHRONIZER</b>		
	1. Manufacturer	By supplier	
	2. Place of Manufacturer	By supplier	
	3. Brand/Model	By supplier	
	4. No. of Units	1 unit	
	5. Dual Frequency Meter		
	a. Voltage Input	100/125VAC	
	b. Frequency Input	66/65 Hz	
	c. Accuracy	Class 0.5	
	d. Burden	< 7VA	
	6. Dual Voltage Meter		
	a. Voltage Input	0/300VAC	
	b. Accuracy	Class 1.5	
	c. Frequency	50/60 Hz	

**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	d. Impedance	900 Ohms/V	
7.	Voltage Ratings-Synchro scope and Synchro		
	a. Check Relay Voltage Input	100/125VAC	
	b. 110, 120, 220, 230, 240 110/120 V	Included	
	c. (115V nominal) Volts AC or via VT	Included	
	d. 4VA max. suitable for 1 or 3-ph. Systems	Included	
	e. Dielectric protection up to 4kV RMS	Included	
	f. BUS/GEN/RELAY isolation	Included	
8.	Phase Difference Voltage Input	0/300VAC +0~20°, +2%	
9.	Voltage Difference	+0~20%, +/-2% 0~10%	
10.	Time Delay	0~2.5 seconds +10%	
11.	Transducer Basic Parameters Operating Mode	<ul style="list-style-type: none"> <li>• Direct connection without instrument transformer</li> <li>• Single-phase AC</li> <li>• Three-wire three-phase AC, balanced/unbalanced</li> <li>• Four-wire three-phase AC, balanced/unbalanced</li> </ul>	
12.	System Frequency	50Hz, 60Hz, 16-2/3Hz	
13.	Voltage Inputs		
	a. Without Instrument Transformer L - N	range 0~90V, 0~180V, 0~450V	
	b. With Instrument Transformer by Indication in Plain Text	prim. /sec.	
14.	Current Inputs		
	a. Without Instrument Transformer	range 0~2A, 0~4A, 0~10A	
	b. With Instrument Transformer by Indication in Plain Text	prim. /sec.	
15.	Measuring Range	Entering primary measuring range with starting range/ end range (-100 to	

Name of Bidder : \_\_\_\_\_

Signature of Bidder : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		+100MW)	
	16. Output Signal	Entering output signal with starting range/ end range in the range -20 ~ +20mA or -10 ~ +10V (4~20 mA)	
	17. Output Signal Limit	Entering output signal limit with lower range/ upper range (lower range + 4mA/ upper range + 22mA)	
	18. Characteristic	Linear, with knee-point at measuring range at output signal (knee point at + 50MW and + 2mA)	
	19. Analog Output 1 (Measurable Variable)	Selectable measured variable from total active power	
	20. Analog Outputs 2 and 3	<ul style="list-style-type: none"> <li>• No signal, unit in operation, signal upon transducer disturbance</li> <li>• Limit signal</li> <li>• Selectable signal on undershoot/ overshoot voltages</li> <li>• Power pulse rate, power variable, total active power reference pulse rate at 10 pulses/kWh.</li> </ul>	
	21. Technical Specification of Universal Transducer Input (AC voltage)		
	a. Maximum rated Mains Voltage	Y 230 /Δ 400V and Δ500V	
	b. Permissible Control Range	UE = 600 V; IE = 10A	
	c. Rated Frequency IEN	50Hz, 60Hz, 16-2/3Hz	
	d. Frequency Range IE	50/60Hz ± 5Hz	
	e. Waveform	Sinusoidal or distorted up to the 32nd Harmonic	
	22. AC Input Current IE		
	a. Rated Input Current IEN	Min. 1A, max. 5A	
	b. Input Range IE	0~10A	
	c. Power Consumption per Current Path	0.01 VA at IE =1A	
	d. Continuous Overload	12A	

**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	Capacity		
	e. Surge Withstand Capability	200 for 1s	
	23. Input AC voltage IE		
	a. Rated Voltage UEN:	max. 500V Δ, Max. 288V Y and 1-phase	
	b. Power Consumption per Line UL-N	0.02 VA at UE =100 V/3, 0.33VA at UE=230V	
	c. Surge Withstand UL-L	≤850 V/ 5 surges 1s at intervals of 5s	
	24. Analog Outputs		
	a. Electrical Isolated Bipolar DC and DC Voltage	Included	
	b. Rated Output Current IAN	20mA	
	c. Rated Control Range	0 to IAN	
	d. Permissible Control Range	± 1.2 IAN	
	e. No-load Voltage UAL	≤25 V	
	f. Rated load RBIN	7.5 V/IAN	
	g. Operating Load RB	0~15 V/ IAN	
	h. Rated Output Voltage UAN	10V	
	i. Rated control Range	0~UAN	
	j. Permissible Control Range	± 1.2 UAN	
	k. Short Circuit Current	≤50 mA	
	l. Rated Load RBIN	UAN / 2.5mA	
	m. Load Current	≤20mA	
	n. Residual Ripple IPP	≤0.5 % PP of IAN	
	o. Permissible Voltage	± 100VDC/100VAC	
	p. Permissible Current	150mA continuously	
	q. 500mA for 100ms	Included	
	r. Permissible Operating Frequency	≤10Hz	
	s. Hysteresis	2% of int. range limit	
	t. Auxiliary Power	Acc. To EN 50082-2	
	t.1. Variant 1		
	t.1.1 Rated Output Voltage UHN	24~60 V DC	
	t.1.2 Voltage Range UH	± 20 % of the nominal range	
	t.2 Variant 2		

**Name of Bidder** : \_\_\_\_\_

**Signature of Bidder** : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	t.2.1. Rated Output Voltage UHN	100~230 V AC, 47~63 Hz	
	t.2.2. Voltage UH	±10% of the nominal range or 110~250 VDC	
	t.2.3. Voltage Range UH	± 20% of the nominal range	
	t.2.4. Power Consumption	1.5-3W depending on the output wiring	
	25. Errors and Influences	Acc. to IEC 60688 with relative error information with ± sign	
	a. Error in Case of Reference Conditions	Referred to IAN or UAN	
	b. Current to Voltage	≤0.2%	
	c. Active, Reactive, Apparent Power	≤0.3%	
	d. Phase Angle	≤0.5%	
	e. Power Factor	≤1% (measured as from >1% of the internal apparent power)	
	f. Frequency	≤3mHz ± 0.2% of the output range (measure in L1 as from 20 % of the internal voltage range)	
	g. Energy	≤0.2%	
	h. Reference Condition	Included	
	i. Input Current IE	IEN ±1%	
	j. Input Voltage UE	UEN ±1%	
	k. Frequency IE	IEN ±1%	
	l. Sinusoidal Waveform	Harmonic Distortion ≤5%	
	m. Load RB	RBIN ±1%	
	n. Auxiliary Voltage UH	UHN	
	o. Warm-up Time	≤15min	
	p. Extraneous Fields	None	
	q. Influences Referred to AN of the Input Voltage	≤0.2 % of UEN up to 1.2 UEN of the input current: ≤ 0.2%	
	r. IEN up to 1.2 IEN the auxiliary voltage of 0.8 of 1.2 UHN	≤0.1%	
	s. Ambient Temperature	≤0.2% / 10 K	
	t. Harmonics	≤0.02% per 10% harmonic	

Name of Bidder : \_\_\_\_\_

Signature of Bidder : \_\_\_\_\_

ITEM	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
		distortion, up to 32nd harmonic	
	u. Load	≤0.1% in the event of a load change for 0 Ω to 15V/IAN	
	v. Heating Up	: ≤0.3%	

**Name of Bidder** :

**Signature of Bidder** :

## SECTION VII

# SCHEDULE OF REQUIREMENTS

## Section VII - Schedule of Requirements

### SUPPLY, DELIVERY AND TESTING OF POWER QUALITY ANALYZER, DIGITAL POWER METER AND SYNCHRONIZER FOR OCCIDENTAL MINDORO S/S & 69kV T/L

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 (Testing) (Phil. Peso)>	Local Currency (Phil. Peso) ((E+F+G+H + I) x C)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
1	Power Quality Analyzer	1 sets							
2	Digital Power Meter	12 sets							
3	Synchronizer	1 sets							
	— 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

Note: Final delivery site of the equipment: Refer to TS-2.0 of the Technical Specifications

Code	Country of Origin

Name of Bidder: \_\_\_\_\_

Signature of Bidder: \_\_\_\_\_



SECTION VIII

**BIDDING FORMS**

## SECTION VIII – BIDDING FORMS

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Standard Form No: NPCSF-GOODS-01

**Checklist of Technical & Financial Envelope Requirements for Bidders****A. THE 1<sup>ST</sup> 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 in accordance with Section 8.5.2 of the IRR;

**OR:**

- The following updated and valid Class "A" eligibility documents enumerated under "Annex A" of the Platinum Membership:
  - Registration Certificate from the Securities and Exchange Commission (SEC) for corporations, Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives;
  - Mayor's/Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas.  
In cases of recently expired Mayor's/Business permits, it shall be accepted together with the official receipt as proof that the bidder has applied for renewal within the period prescribed by the concerned local government unit, provided that the renewed permit shall be submitted as a post qualification requirement in accordance with Section 34.2 of the Revised IRR of RA 9184.
  - The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.
  - Tax clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR or as stated under GPPB NPM-039-2014, for Non-Resident Foreign Corporation (NRFC) and Non-Resident Alien Not Engaged in Trade or Business (NRANETB), a Delinquency Verification Certificate may be submitted as a form of Tax Clearance;

**OR:**

- A combination thereof
- 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. Contract/Purchase Order
  2. 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.)*

## SECTION VIII – BIDDING FORMS

Standard Form No: NPCSF-GOODS-01

- 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:
  - 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)
- Data and Information to be submitted with the Bid/Proposal as specified in Clause TS-7.0(a) of Section VI - Technical Specifications
- Complete eligibility documents of the proposed subcontractor, if any

Standard Form No: NPCSF-GOODS-01

**B. THE 2<sup>ND</sup> 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 one copy of the first and second components of its Bid. 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.*
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	%		
<b>Government</b>						
<b>Private</b>						
<b>Total Cost</b>						

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 Contract/Purchase Order and 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**  
**SUPPLY, DELIVERY, AND TESTING OF POWER QUALITY ANALYZER, DIGITAL POWER METER AND SYNCHRONIZER FOR OCCIDENTAL MINDORO S/S & 69KV T/L (PR NO. PR NO. S1-OCS22-023)**

To: **National Power Corporation**  
BIR Road cor. Quezon Ave.  
Diliman, Quezon City

I/We<sup>1</sup>, 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]

\_\_\_\_\_

<sup>1</sup> 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  
BIR Road cor. Quezon Ave.  
Diliman, Quezon City

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 **SUPPLY, DELIVERY, AND TESTING OF POWER QUALITY ANALYZER, DIGITAL POWER METER AND SYNCHRONIZER FOR OCCIDENTAL MINDORO S/S & 69KV T/L (PR NO. PR NO. S1-OCS22-023)** 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]*



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**Bank Guarantee Form for Advance Payment**

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To: **THE PRESIDENT**  
National Power Corporation  
BIR Road cor. Quezon Ave.  
Diliman, Quezon City

*[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