



NATIONAL POWER CORPORATION

**MinGen**

**PHILIPPINE BIDDING DOCUMENTS**  
(Procurement of INFRASTRUCTURE PROJECTS)

FOR

INSTALLATION OF ADDITIONAL WORKING  
AREA/ CONFERENCE ROOM FOR  
OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE  
CONTROL ROOM OF PULANGI IV HE PLANT

P.R. No.: MG-PLM22-194

Contracts Management Office  
Logistics Division

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## *Glossary of Terms, Abbreviations, and Acronyms*

**ABC** – Approved Budget for the Contract.

**ARCC** – Allowable Range of Contract Cost.

**BAC** – Bids and Awards Committee.

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

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

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

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**CDA** – Cooperative Development Authority.

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

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

**Contractor** – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

**CPI** – Consumer Price Index.

**DOLE** – Department of Labor and Employment.

**DTI** – Department of Trade and Industry.

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

**GFI** – Government Financial Institution.

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

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

**GOP** – Government of the Philippines.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PCAB** – Philippine Contractors Accreditation Board.

**PhilGEPS** - Philippine Government Electronic Procurement System.

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

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**UN** – United Nations.

BID DOCUMENTS

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA/  
CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
PJLANGI IV HE PLANT  
PR NO/REF. NO.: MG-PLM22-194/INFR2021-AG5-047

SECTION I-INVITATION TO BID

## *Section I. Invitation to Bid*



NATIONAL POWER CORPORATION

MinGen

## Invitation to Bid for the Installation of Additional Working Area/ Conference Room for Operations & Maintenance Personnel at the Powerhouse Control Room of Pulangi IV HE Plant

1. The *NATIONAL POWER CORPORATION-MINDANAO GENERATION*, through the approved Corporate Budget of NPC for CY 2022 intends to apply the sum of **Four Million Seven Hundred Forty Thousand Eighty Five Pesos & 92/100 (PHP4,740,085.92)** being the Approved Budget for the Contract (ABC) to payments under the contract for **Installation of Additional Working Area/ Conference Room for Operations & Maintenance Personnel at the Powerhouse Control Room of Pulangi IV HE Plant (INFR2022-PUL-059)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *NATIONAL POWER CORPORATION-MINDANAO GENERATION* now invites bids for the above Procurement Project. Completion of the Works is required **Forty (40) calendar days**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *BAC Secretariat, NATIONAL POWER CORPORATION-MINDANAO GENERATION* and inspect the Bidding Documents at the address given below from **8:00 AM – 5:00 PM Monday to Friday**.
5. A complete set of Bidding Documents may be acquired by interested Bidders on **October 13 - 31, 2022** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Five Thousand Pesos (PHP 5,000.00)**. The Procuring Entity shall allow the bidder to pay online and present its proof of payment for the fees in person, by facsimile, or through electronic means.



For those prospective bidders who wish to pay online, below are the details of the account:

LandbankAccount name : NPC GENCO 5 COLLECTIONS FUND  
LandbankAccount number : 0321-1689-14

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

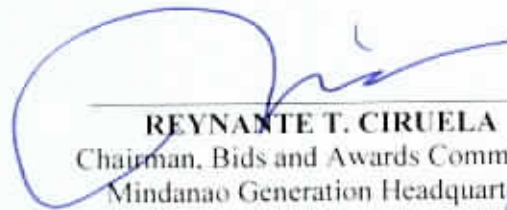
6. The *NATIONAL POWER CORPORATION–MINDANAO GENERATION* will hold a Pre-Bid Conference on *October 20, 2022 at 9:00 AM* at *Bidding Room, NPC-Mindanao Generation Headquarters, Maria Cristina, Iligan City* and/or through videoconferencing/webcasting via *ZOOM*, which shall be open to prospective bidders. Interested online attendees are required to pre-register one (1) day before the scheduled pre-bidding conference. For pre-registration, contact tel. no. (063)-222-3459 or email [logistics\\_afd\\_mingen@napocor.gov.ph](mailto:logistics_afd_mingen@napocor.gov.ph).
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before *October 31, 2022 at 9:30 AM*. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 15.
9. Bid opening shall be on *October 31, 2022 at 9:30 AM* at the *Bidding Room, NPC-Mindanao Generation Headquarters, Maria Cristina, Iligan City*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. *This project requires submission of at least:*
  - *Certificate of Site Inspection*
11. The *NATIONAL POWER CORPORATION–MINDANAO GENERATION* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

*BAC Secretariat  
Contracts Management Office  
Logistics Division  
Mindanao Generation Headquarters  
National Power Corporation*

*Maria Cristina, Iligan City*  
*logistics\_afd\_mingen@napocor.gov.ph*  
*Tel. No.: (063)222-3459*  
*Fax No.: (063)223-8355/(063)223-4604*  
*www.napocor.gov.ph*

13. You may visit the following websites:

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



**REYNANTE T. CIRUELA**  
Chairman, Bids and Awards Committee  
Mindanao Generation Headquarters

**Date of PhilGEPS Publication:** 13 October 2022

BID DOCUMENTS

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA/  
CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
PULANGI IV HE PLANT  
PR NO./REF. NO. MG-PLM22-194/INFR2021-AG5-047

SECTION II- INSTRUCTION TO BIDDERS

## *Section II. Instructions to Bidders*

## 1. Scope of Bid

The Procuring Entity, **NATIONAL POWER CORPORATION-MINDANAO GENERATION** invites Bids for the **Installation of Additional Working Area/ Conference Room for Operations & Maintenance Personnel at the Powerhouse Control Room of Pulangi IV HE Plant, with Project Identification Number INFRA2022-PUL-059.**

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

## 2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for CY 2022 in the amount of *Five Million Pesos (PHP5,000,000.00)*
- 2.2. The source of funding is:
  - a. GOCC and GFIs, the proposed Corporate Operating Budget.

## 3. Bidding Requirements

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

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

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

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

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

#### **5. Eligible Bidders**

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.  
  
A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the BDS.
- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

#### **6. Origin of Associated Goods**

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

#### **7. Subcontracts**

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the IB.

## 9. Clarification and Amendment of Bidding Documents

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

## 10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in Section IX. Checklist of Technical and Financial Documents.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the BDS.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the BDS.

## SECTION II- INSTRUCTION TO BIDDERS

- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the BDS.

### 11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in Section IX. Checklist of Technical and Financial Documents.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the IB shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

### 12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the BDS, alternative Bids shall not be accepted.

### 13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

### 14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

- 14.2. *Payment of the contract price shall be made in:*

a. Philippine Pesos.

### 15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the BDS, which shall be not less than the percentage of the ABC in accordance with the schedule in the BDS.
- 15.2. The Bid and bid security shall be valid until *One Hundred Twenty (120) Calendar Days from the Scheduled Bid Opening*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### 16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

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

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

### 17. Deadline for Submission of Bids

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

### 18. Opening and Preliminary Examination of Bids

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

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



- 18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

### **19. Detailed Evaluation and Comparison of Bids**

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the BDS shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by ITB Clause 16 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

### **20. Post Qualification**

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

### **21. Signing of the Contract**

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

BID DOCUMENTS

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA/  
CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
PULANGI IV HE PLANT

SECTION III – BID DATA SHEET

PR NO./REF. NO.: MG-PLM22-194/INFR2021-AG5-047

### *Section III. Bid Data Sheet*

## Bid Data Sheet

<b>ITB Clause</b>																	
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <b>Vertical Structures</b>																
7.1	Subcontracting is not allowed.																
10.3	None																
10.4	The key personnel must meet the required minimum years of experience set below:																
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;"><u>Key Personnel</u></th> <th style="text-align: left; width: 30%;"><u>General Expertise</u></th> <th style="text-align: left; width: 40%;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td>1 - Project Engineer</td> <td>Licensed Civil Engineer</td> <td>At least five (5) years experience in related works</td> </tr> <tr> <td rowspan="3">1 - Construction Foreman</td> <td>B.S. Civil Engineering Graduate</td> <td>At least three (3) years experience in similar works</td> </tr> <tr> <td>Civil Engineering Technology Graduate</td> <td>At least five (5) years experience in similar works</td> </tr> <tr> <td>Non-graduate</td> <td>At least five (5) years working experience as Construction Foreman in similar works</td> </tr> <tr> <td>1 - Construction Safety and Health Officer (SO2)</td> <td>Construction Safety Officer 2</td> <td>At least forty (40) hours of Construction Safety and Health (COSH) Training from Occupational Safety and Health Center (OSHC) or Safety Training Organizations (STOs) accredited by the Department of Labor and Employment (DOLE). Must be present during the whole duration of the project)</td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Expertise</u>	<u>Relevant Experience</u>	1 - Project Engineer	Licensed Civil Engineer	At least five (5) years experience in related works	1 - Construction Foreman	B.S. Civil Engineering Graduate	At least three (3) years experience in similar works	Civil Engineering Technology Graduate	At least five (5) years experience in similar works	Non-graduate	At least five (5) years working experience as Construction Foreman in similar works	1 - Construction Safety and Health Officer (SO2)	Construction Safety Officer 2	At least forty (40) hours of Construction Safety and Health (COSH) Training from Occupational Safety and Health Center (OSHC) or Safety Training Organizations (STOs) accredited by the Department of Labor and Employment (DOLE). Must be present during the whole duration of the project)
<u>Key Personnel</u>	<u>General Expertise</u>	<u>Relevant Experience</u>															
1 - Project Engineer	Licensed Civil Engineer	At least five (5) years experience in related works															
1 - Construction Foreman	B.S. Civil Engineering Graduate	At least three (3) years experience in similar works															
	Civil Engineering Technology Graduate	At least five (5) years experience in similar works															
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SECTION III – BID DATA SHEET

	<p>2 – Welders                      <u>NCII</u>                      At least three (3) years experience in welding/cutting works</p> <p>(1) Valid Professional Regulation Commission (PRC) license for professional personnel; (2) Certificate of Training with accreditation from DOLE for the Construction Safety &amp; Health Officer; (3) TESDA Training Certificate (NC II) of Welders; and (4) Diploma and/or Service Record/Certificate of Employment of previous and/or current employer for Project Engineer, Safety Officer, Construction Foreman and Welders <i>shall be submitted during post qualification by the winning bidder.</i></p> <p>Project Engineer or Foreman and Construction Safety &amp; Health Officer maybe one person, as long as he meets the requirements of the two positions. Provided however, that there is no overlapping of projects undertaken by the same contractor and supervised by the same person.</p> <p>The above key personnel must be either employed by the applicant or contracted by the applicant to be employed for the contract to be bid.</p>									
10.5	<p>The minimum major equipment requirements are the following:</p> <table border="1" data-bbox="446 1077 1388 1236"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Capacity</u></th> <th><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td>Welding Machine</td> <td>At least 300 Amps</td> <td>Two (2)</td> </tr> <tr> <td>Oxy-Acetylene Cutting Outfit Equipment</td> <td></td> <td>Two (2)</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Welding Machine	At least 300 Amps	Two (2)	Oxy-Acetylene Cutting Outfit Equipment		Two (2)
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>								
Welding Machine	At least 300 Amps	Two (2)								
Oxy-Acetylene Cutting Outfit Equipment		Two (2)								
12	N/A									
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than PHP94,801.72 (2% of ABC), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than PHP237,004.30 (5% of ABC), if bid security is in Surety Bond.</p>									
19.2	Partial bids are allowed, as follows:									
20	<p>Additional documents to be submitted during Post-Qualification:</p> <p>1. Other appropriate licenses and permits required by law and stated in the Bidding documents.</p> <p>a. <i>Original Bank Statement year ending prior to bid opening;</i></p>									

	<ul style="list-style-type: none"> <li>b. <i>Valid and updated PhilGEPS Registration (Platinum Membership) (all pages);</i></li> <li>c. <i>Registration Certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;</i></li> <li>d. <i>Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;</i></li> <li>e. <i>Valid Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR). Quarterly Income Tax Returns filed and paid through the BIR Electronic Filing and Payment System (eFPS);</i></li> <li>f. <i>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;</i></li> <li>g. <i>Philippine Contractors Accreditation Board (PCAB) License;</i></li> <li>h. <i>Board of Accountancy (BOA) Certificate;</i></li> </ul> <p>2. <i>Contract and/or Notice of Award as supporting documents for NPC MinGen Form No. NPCMGNSF-INFR-01, if applicable;</i></p> <p>3. <i>(a) Valid Professional Regulation Commission (PRC) license for professional personnel; (b) Certificate of Training with accreditation from DOLE for the Construction Safety &amp; Health Officer; (c) TESDA Training Certificate (NC II) of Welders or Electrician; and (d) Diploma and/or Service Record/Certificate of Employment of previous and/or current employer for Construction Foreman, Welders, Electrician &amp; Plumber - as supporting documents for NPC MinGen Form No. NPCMGNSF-INFR-05, if applicable.</i></p> <p>4. <i>Certificate of Site Inspection issued by Plant/Department Manager or his authorized representative.</i></p>
<p>21</p>	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, <u>prior to contract signing</u>, such as:</p> <ul style="list-style-type: none"> <li>a) Approved construction schedule and S-curve</li> <li>b) Approved manpower schedule</li> <li>c) Construction methods</li> <li>d) Approved equipment utilization schedule</li> <li>e) Construction safety and health program approved by the DOLE</li> <li>f) Approved Project Evaluation Review Technique/Critical Path Method (PERT/CPM)</li> </ul>

BID DOCUMENTS

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA/  
CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
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SECTION IV – GENERAL CONDITIONS OF  
CONTRACT

## *Section IV. General Conditions of Contract*

SECTION IV – GENERAL CONDITIONS OF  
CONTRACT**1. Scope of Contract**

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

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

**2. Sectional Completion of Works**

If sectional completion is specified in the Special Conditions of Contract (SCC), references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

**3. Possession of Site**

- 4.1. The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the SCC, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.
- 4.2. If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

**4. The Contractor's Obligations**

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with ITB Clause 10.3 and specified in the BDS, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

## 5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

## 6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

## 7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the SCC.

## 8. Liability of the Contractor



SECTION IV – GENERAL CONDITIONS OF  
CONTRACT

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

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

## 9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in ITB Clause 4.

## 10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

## 11. Program of Work

- 11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the SCC.
- 11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

## 12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

### **13. Advance Payment**

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the SCC, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

### **14. Progress Payments**

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

### **15. Operating and Maintenance Manuals**

- 15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the SCC.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the SCC from payments due to the Contractor.

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SECTION V – SPECIAL CONDITIONS OF  
CONTRACT

PR NO./REF. NO.: MG-PLM22-194/INFR2021-AG5-047

## *Section V. Special Conditions of Contract*

## Special Conditions of Contract

GCC Clause	
2	Sectional completion is not specified.
4.1	The Procuring Entity shall give possession of the Site to the Contractor <i>on the start date</i> .
6	The site investigation reports are: <b>NONE</b>
7.2	<b>Fifteen (15) years</b>
10	Dayworks are not applicable to the contract.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative <u>upon contract signing</u> or within <b>three (3) days</b> of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <b>Fifty (50) %</b> of the billed amount. The updating of Program of Work shall be done bi-monthly.
13	The amount of the advance payment is <b>15% of contract amount and paid in lump sum.</b>
14	No further instruction.
15.1	The date by which operating and maintenance manuals are required is <b>upon completion of the project.</b>  The date by which "as built" drawings are required is <b>upon completion of the project.</b>
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is <b>one hundred percent (100%) of the final billing.</b>

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## *Section VI. Specifications*

## PROJECT HIGHLIGHTS

### PH 1.0 GENERAL

*The proposed project is for the Installation of Additional Working Area/ Conference Room for Operations & Maintenance Personnel at the Powerhouse Control Room of Pulangi IV HE Plant. The purpose of the structure is to provide additional working area that will cater the Operations and Maintenance personnel especially during the day-to-day activity where they normally converge at the Powerhouse Control Room. Currently, the said room is constraint in physical space since the same serves as main central control and monitoring/surveillance station for the safe and proper operation of Pulangi IV HE Plant where a large physical facility, e.g. Control Engineer's work stations, mimic control board, video wall controllers, touch screen control systems, etc. are located.*

*The work to be done by the winning bidder shall consist of furnishing of all labor, materials, miscellaneous equipment, tools, technical know-how, supervision, transportation and other incidentals necessary to complete the project.*

*The project shall be completed within forty (40) calendar days reckoned from the receipt of the Notice to proceed.*

### PH 2.0 PROJECT LOCATION

*The project is located at Kiuntod, Camp I, Maramag, Bukidnon inside Pulangi IV HE Plant's Powerhouse.*

### PH 3.0 SCOPE OF WORK

The works and services to be performed by the Contractor for this undertaking shall essentially consist of, but not limited to the following:

- 1.0** Layout and verification of actual dimensions and measurements at site and establish correct location, line and elevation prior to fabrication and installation of the additional working area;
- 2.0** *Foundation Works.* Removal of existing floor tiles (0.5m x 0.5m x 0.07m each, preferably undamaged when removed) ready for base plates installation. Ensure that the bottom base after removal of tiles must be smoothly finished in preparation for the installation/erection of the columns;
- 3.0** *Steel Works.* Fabrication and installation of all steel base plates, columns, beams & plate brackets, ground & second floor joists, 2<sup>nd</sup> floor MS plate (1/2" thick), etc.;
- 4.0** *Ceiling Works.* Installation of 8mm dia. plain round bars for ceiling hanger wires and installation of PVC panel ceiling.

## SECTION VII-

**5.0 CR Renovation and Tiling Works.** Break existing concrete wall for door provision from the new working area going to CR and existing Control Room. Remove and replace all existing floor and wall tiles at the existing comfort room near Control Room. Remove and replace one (1) male urinal at the existing comfort room. Provide one (1) female urinal (as indicated in the drawing). Remove and replace existing lavatory. Remove and replace main door of the CR including two doors of partitions inside the CR.

**6.0 Glass Wall and Door Installations.** Installation of 3/4" thick transparent glass wall on 1/8" thick aluminum framing/window jambs and two (2) 1/4" thick transparent glass doors on 1/8" thick aluminum framing/door jambs (details are found on the drawing);

**7.0 Cladding Works.** Installation of at least 5mm thick quality wall cladding;

**8.0 Electrical Works.** Installation of electrical wirings, switches, convenience/special outlets, utility boxes, junction boxes, circuit breakers/panel board, lighting and lighting fixtures and two (2) type aircon units (one 5-ton floor mounted acu and one 2.5 hp split type acu), etc.

**9.0 Painting Works.**

**Metal** - Painting of all steel/metal (steel base plates, columns, beams & plate brackets, ground & second floor joists, 2<sup>nd</sup> floor MS plate (1/2" thick), etc.) with at least two (2) coats of Epoxy Primer paint and repainting of existing steel cabinet with at least to (2) coats of epoxy enamel. Apply rust converter to rusted areas of steel/ metal prior to application of primer paint.

**Wood** - Painting of all wood surfaces (CR ceiling, etc.) shall be repainted with at least two (2) coats of QDE (white) as topcoat.

Painting procedure & application shall be as per manufacturer's recommendation and in conformance to the general paint safety guidelines.

#### PH 4.0 TERMS AND CONDITIONS

1. Contractor must verify actual condition at site and shall include in their offer items of work not shown nor stated but are deemed necessary to complete the project;
2. Contractor to supply complete materials, labor, tools, miscellaneous equipment, technical know-how, supervision and transportation necessary to complete the project;
3. Contractor shall coordinate at all times to the project proponent / duly authorized representative, Safety, Pollution and Control officer during the execution of the contracted work;
4. Contractor shall submit two (2) pictures each 0% & 100% completion of work in at least three (3) distinct locations for documentation purposes;
5. Contractor shall warrant the works to be free of defects in materials and workmanship for (1) year. Within this period, contractor shall repair / renew and or make good all defective works without extra cost to NPC Pulangi IV HEP;
6. NPC Pulangi IV HEP reserves the right to make changes in the plans and specifications as the work progresses to suit to actual condition.

**PH 5.0 IMS/SAFETY REQUIREMENTS****IMS/Safety Requirements during Project Implementation:**

1. Winning Contractor and all his/her workers must undergo IMS orientation prior to work commencement;
2. Winning bidder must assign a Safety Officer with at least an SO-2 certification or with Construction Occupational Safety and Health Certificate (COSH) for the project to be undertaken and must be present during conduct of IMS briefing and during the implementation of the project. In case the proposed Safety Officer becomes unavailable, during actual project implementation, replacement is allowed provided he/she is also an SO-2 certified;
3. Winning Contractor shall secure Safe Work Permit prior to work commencement.
  - Contractor is directed to prepare Environmental, Health and Safety (EHS) Hazards Risk Assessment prior to approval of Safe Work Permit.
4. Contractor shall strictly provide to all his workers with Personal Protective Equipment (Skull Guard, Safety Shoes, Gloves, etc.) and uniform. Contractor's workers shall wear all prescribed PPEs during the execution of the requested work;
5. Fire Extinguisher shall be provided during any welding work and oxy/acety cutting works, if any;
6. When working on heights or above 2.0 meters from ground, safety harness shall be worn at all times;
7. Appropriate safety signage shall be provided during the course of the project undertaking;
8. Contractor shall be held liable for all damages to persons, materials and equipment that might occur as a result of the Contractor's negligence during the execution of the contracted works. In case of accident, the Contractor shall submit a written accident report to the Project Proponent / duly authorized representative as early as possible;
9. NPC corporate security, safety & health and environmental rules & regulation shall be strictly observed at all times until the completion of the contracted work.

**PH 6.0 CONTRACT PERIOD**

The contractor shall complete the works within **Forty (40) calendar days**. The total contract duration is inclusive of six (6) unworkable days considered unfavorable for the execution of work at site. The contract period shall be reckoned from the date of contract effectivity as specified in the Notice to Proceed.

**PH 7.0 CONTRACTOR'S CLASSIFICATION**

The Contractor must have a valid Philippine Contractors Accreditation Board (PCAB) license of at least **Category C or D - General Building** with inter-agency registration and classification of at least **Small B- Building or Industrial Plant**.



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The Contractor must have undertaken similar contracts that involves construction/ rehabilitation/ expansion of commercial, industrial or office building provided that the contract cost shall be at least equivalent to 50% of ABC.

## TECHNICAL SPECIFICATIONS

### 1.0 GENERAL SCOPE

- 1.0 These specifications are intended to cover all labor and materials required for the construction of this structure as shown on the drawings and described in these specifications. This entire work is to be finished in every part with a first-class workmanship to the owner (NPC-Pulangi IV HE Plant) or the project proponent / duly authorized representative.
- a) The Contractor shall check the dimensions on the plans. He will not be allowed any charges for extras in case any discrepancy should be discovered during the progress of the work. Should the contractor deviate from the intent of the plans and specifications without the consent of the owner or the project proponent / duly authorized representative, he shall be subjected to penalties in the form of liquidated damages.
  - b) The owner shall have the right to alter, and/or omit any part of the plans. The bill for extras must be submitted to the owner or the project proponent / duly authorized representative in writing before the final acceptance of the structure. A third person may be employed if the owner and the Contractor may not agree to the extra price of the alterations, additions or deductions due to the changes or omissions.
  - c) The Contractor shall be held responsible for any liabilities under the Workmen's Compensation Act. He shall be responsible for all direct accidents on the job and for all injuries to persons and damages of materials when caused by him or his workmen.
  - d) The Contractor must employ and select experienced foremen on the job, who can understand and speak English or Vernacular dialect and acceptable to the owner or the project proponent / duly authorized representative.
  - e) Before commencing the work, the Contractor shall clear the site from obstructions, and provide the necessary enclosures. After the construction is completed, all rubbish and superfluous structural materials be removed from the area.

### 2.0 SPECIFIC SCOPE

- 2.1 The Contractor and all his/her workers must undergo IMS orientation with the presence of their Safety Officer and shall secure Safe Work Permit prior to work commencement (Contractor is directed to prepare Environmental, Health and Safety (EHS) Hazards Risk Assessment prior to approval of Safe Work Permit). Likewise, the Contractor shall secure clearance from the Security office to start of work and for the issuance of worker's Identification Card (I.D.). Upon approval, the Contractor shall bring to the site all necessary tools, equipment and other incidentals necessary for the proper execution of all the activities. He shall construct

bunkhouse for the workmen and for the storage of all the construction materials on designated approved location.

## 2.2 Tiling Works

- a) Work Included  
The work included under this section shall include all tiling works (renovated CR and 2<sup>nd</sup> floor) for the construction of the working area.
- b) Materials  
All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.
- c) Workmanship and Installation  
Before start of tiling work ensure that the tiles type & color, mortar mix, glue, grout and method of application are acceptable to NPC project proponent or authorized representative. Also ensure that materials that are available are from approved manufacturers and in original packing (this will ensure that no counterfeit material is used for the project)

The surface to which tiles are to be fixed shall be thoroughly dry before fixing commences and free from all defects.

The areas to be tiled shall be brushed clean and all traces of grease, oil, loose particle, etc. must be removed.

Ensure that the laying of tiles shall be as per the direction and pattern agreed with the NPC project proponent or authorized representative.

Layout tile work so that the tiles less than ½ full size do not occur and with minimum of cutting. Carefully grind edges of cut tile. Ensure cut tiles are in corners and are equal on each wall face.

For concrete walls to be finished with tile, apply a leveling coat of plaster minimum 12mm thick, sufficient to cover the unevenness of the substrate and to make walls true vertical.

Plaster shall be finished rough in order to have a strong key for tiling works. Plaster curing period shall be completed before start of tiling work. To ensure rows of tiles are truly horizontal, a level line shall be established to position the starting course.

Tiles of specified and approved sizes shall be fixed to wall surfaces by approved adhesives. Mixing of adhesive shall be strictly followed in accordance with manufacturer's recommendations.

Mortar shall be used within 2 hours of mixing at normal temperatures or within the pot life of the mix whichever is achieved earlier. Material shall not be used after initial set has taken place.

- a) Measurement of payment

All measurement and payment shall be made at the contract unit price or lot, price of the various applicable items specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

### 2.3 Glass Works

a) Work Included

The work included under this section shall include the furnishing, fabrication, and/or installation of all glass walls and doors of the additional working area.

b) Materials

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

Glass walls and doors shall be capable of withstanding normal thermal movement and impact loads without failure. This shall include glass breakage attributable to defective manufacture, fabrication or installation; failure of sealants or gaskets to remain watertight and airtight; and other defects in construction.

Glass thicknesses indicated on the drawings are minimums and are for detailing only.

c) Measurement of payment

All measurement and payment shall be made at the contract unit price or lot, price of the various applicable items specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

### 2.4 Cladding Works

a) Work Included

The work included under this section shall include all cladding works as indicated in the project drawings and in these specifications.

b) Materials

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use. The cladding to be installed shall have a thickness of at least 5mm thick.

c) Delivery, Storage and Handling

Protect finish edges and store material in accordance with panel manufacturer's recommendations

d) Workmanship and Fabrication

Field measurements shall be taken prior to the completion of shop fabrication whenever possible. Field fabrication may be allowed to ensure proper fit.

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However, field fabrication shall be kept to an absolute minimum with the majority of the fabrication being done under controlled shop conditions.

Maximum deviation from vertical and horizontal alignment of erected panels: 6mm (1/4") in 6m (20') non-accumulative.

Cladding panel fabricator/installer shall assume undivided responsibility for all components of the panel system including, but not limited to attachment to sub-construction, panel to panel joinery, panel to dissimilar material joinery, and joint seal associated with the panel system.

Do not install component parts that are observed to be defective, including warped, bowed, dented, abraded, and broken members. Do not cut, trim, weld, or braze component parts during erection in a manner which would damage the finish, decrease strength, or result in visual imperfection or a failure in performance. Return component parts which require alteration to shop for refabrication, if possible, or for replacement with new parts.

Any additional protection, after installation, shall be the responsibility of the Contractor.

e) Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price of the various applicable items specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

## 2.5 Metals & Steel Works

a) Work Included

The work included under this section shall include the furnishing, fabrication, and/or installation of all steel support (columns, beams, joists, etc.) of the additional working area.

b) Materials

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

All materials to be used shall conform to applicable standard. If upon visual inspection the materials appear to be of poor quality or fail to meet the standard, the NPC Inspector has the authority to reject the same out rightly.

All arc-welding electrodes shall conform to the requirements of the American Welding Society "SPECIFICATIONS FOR IRON AND STEEL ARC-WELDING ELECTRODES" latest edition.

c) Workmanship and Fabrication

All connections shall be full welded unless otherwise indicated in the Plans. All connections shall develop full strength of members.

D  
C

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Workmanship and fabrication shall be in accordance with AISC "Specification for Fabrication and Erection of Structural steel for Buildings" and with the following outline.

Bearing surfaces shall be planed to true beds. Abutting surfaces shall be closely fitted

All columns and bearing stiffeners shall be milled to give full bearing over the cross section. It shall not be necessary to plane bottom surfaces of plate on grout beds.

Assembled parts shall be brought into close contact, and drift pin shall be used only for bringing members into position, not to enlarge or distort holes.

d) Welding

Welding in shop and field shall be done by operators having been previously qualified by test prescribed in the American Welding society "Standard Qualification Procedure" to perform the type of work required.

Equipment shall be of the type, which produce proper current so that operator may produce satisfactory welds. The welding machine shall be of 200 - 400 amperes, 200 -240 volts capacity.

Unless otherwise shown on the Plans, the following low hydrogen electrodes shall be used and shall be suitable for positions and other conditions of intended use in accordance with the instruction with each container.

<u>Welding</u>	<u>Electrode</u>	<u>Submerged Arc Process</u>
A-7 to A-7	E - 60 Series	Grade SAW-2
A-7 to A-36	E - 70 Series	Grade SAW-2
A-36 to A-36	E - 70 Series	Grade SAW-2

The technique of welding employed, the appearance and quality of welds made, and the methods of correcting defective work shall conform to the American Welding society code for arc Welding in Building Construction, "Section 4, Workmanship.

Surfaces to be welded shall be free from loose scale, rust, grease, paint and other foreign material except that mill scale, which withstands vigorous wire brushing, may remain

Finish members shall be true to line and free from twists, bends and open joints.

e) Measurement of Payment

*(Handwritten blue marks: a 'd' and a circular arrow)*

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All measurement and payment shall be made at the contract unit price or lot, price of the various applicable items specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

**2.6 Electrical Works**

This section shall cover all the electrical works needed of all the structures included and/or within the vicinity of the project site which is listed in the pay item of the contract.

All electrical works and installation shall comply with the provisions of the latest edition of the Philippine Electrical Code (PEC) with the Rules and Regulations of the National and Local Authorities concerned.

Service voltage shall be 220 volts, 60hz.

All installation shall be concealed from view, wirings shall be incased in polyvinyl chloride (PVC) pipe schedule 40.

Minimum wire and conduit size shall be No. 12 AWG THHN and 1/2" dia. PVC unless otherwise specified.

All materials to be used shall be new and appropriate type for both location and intended use.

No branch circuit shall have a load more than 80% of its rating.

All electrical installation shall be under the direct supervision of a duly licensed electrical Engineer or a Master Electrician.

**Measurement of Payment**

All measurement and payment shall be made at the contract unit price or lot, price of the various applicable items specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

**2.7 Painting Works****a) Work Included**

The work to be executed under this section shall include the furnishing of all materials, labor, tools and ladders, scaffolding and other facilities necessary for the satisfactory performance of all work necessary to complete all painting and finishing of all surfaces throughout the interior and exterior of the building except otherwise specified.

The Contractor shall examine all sections of this specification and perform all paintings called for therein.

All steel shall be painted with at least two (2) coats of epoxy primer, existing steel cabinet shall be painted with at least two (2) coats of epoxy enamel and wood surfaces (CR ceiling, etc.) shall be painted with at least two (2) coats of



QDE (white) as topcoat. Other surfaces as specified by the NPC Representative shall also be painted/varnished.

b) Inspection of Surfaces

Before starting the work, the Contractor shall inspect all surfaces to be painted. If the surfaces cannot be put in proper condition to receive paint by customary cleaning methods or sanding or sparkling, the Contractor shall notify the NPC representative in writing. The commencing of the work by the Contractor indicates his acceptance of the surfaces to be painted and assumes responsibility for the rectification of any unsatisfactory finishing, resulting from his negligence.

c) Materials

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

All materials to be used shall conform to applicable standard. If upon visual inspection the materials appear to be of poor quality or fail to meet the standard, the NPC Inspector has the authority to reject the same outrightly.

d) Workmanship

All work shall be done by skilled painters in a workmanlike manner. All paints shall be evenly applied so as to be free from sags, runs, crawls or other defects. All painting materials shall meet the requirements of stress and shall be in accordance with the relevant standards. All coatings shall be of proper consistency and well brushed out so as to show the minimum of brush marks, except enamel which shall be uniformly flowed on. All brushes shall be clean and in good condition, with heavy brushes preferred. Light brushes shall not be permitted.

Paint shall be thoroughly stirred so as to keep the pigment evenly in suspension when paint is being applied.

No painting shall be done under conditions that are unsuitable for the production of good results. No oil painting shall be done in damp weather.

Application of succeeding coats shall strictly follow the over-coating times specified by the paint manufacturer. If no specific data are available, all coats shall be thoroughly dry before painting shall be applied. At least twenty-four (24) hours shall be allowed between coats. Exterior painting under damp/wet conditions is not allowed.

Painting coat as specified are intended to cover the surfaces perfectly, if surfaces are not fully covered, further coat shall be applied to attain the desired evenness of the paint application.

e) Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot, price of the various applicable items specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

D

C



### 2.8 Clearing and Demobilization

Before moving out, the contractor shall restore the orderly state of worksite by clearing all temporary structures. Remove all excess/waste materials and store in designated areas.

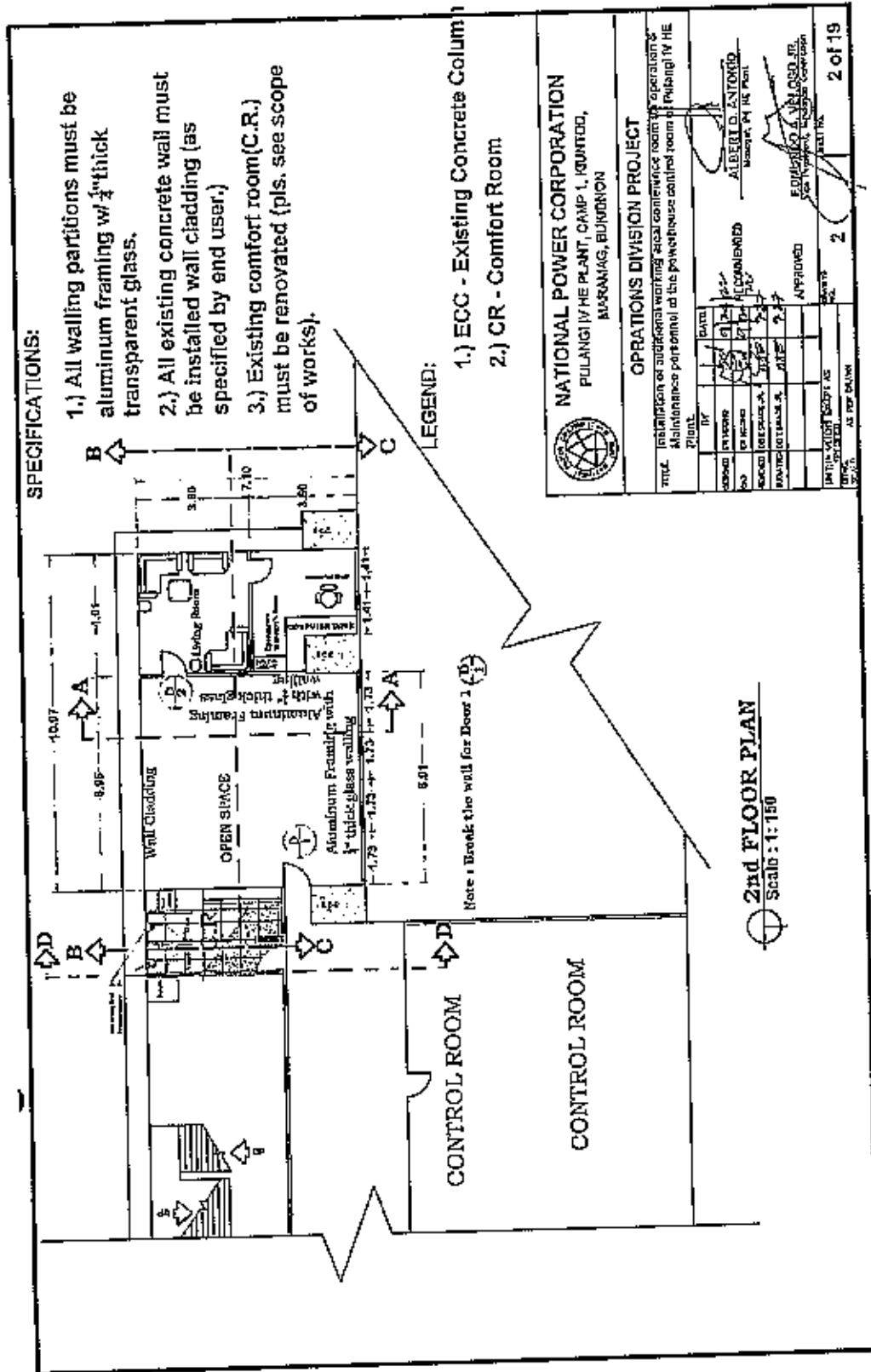
Before the Contractor will demobilize its construction equipment/ tools, materials and crew, he shall secure approval from NPC security office for the release of the contractor's equipment and to surrender the workers Identification (I.D) cards. A joint inspection with the NPC inspector and Contractor will be conducted to make sure that all his accomplishment / work that needs remedial attention or correction shall be done prior to the issuance of the Certificate of Completion. The Certificate of Completion will serve as basis for the processing of payments

## *Section VII. Drawings*

- Sheet 1 of 19 - Vicinity Map
- Sheet 2 of 19 - 2<sup>nd</sup> Floor Plan
- Sheet 3 of 19 - Foundation Plan
- Sheet 4 of 19 - Beam and Floor Joist Plan
- Sheet 5 of 19 - Column and Base Plate Detail
- Sheet 6 of 19 - Column and Beam Connection
- Sheet 7 of 19 - Reinforced Concrete & Beam Connection Detail
- Sheet 8 of 19 - Reinforced Concrete & Beam Connection Section View
- Sheet 9 of 19 - Front Elevation
- Sheet 10 of 19 - Section Thru A – A
- Sheet 11 of 19 - Section Thru C – C
- Sheet 12 of 19 - Section Thru B – B
- Sheet 13 of 19 - Section Thru D – D
- Sheet 14 of 19 - Suspended Ceilings – PVC Ceiling Tiles/Panels
- Sheet 15 of 19 - Reflected Ceiling Joist (2<sup>nd</sup> Floor & Work Shop)
- Sheet 16 of 19 - Work Shop Floor Lighting Plan
- Sheet 17 of 19 - 2<sup>nd</sup> Floor Power Plan
- Sheet 18 of 19 - One Line Diagram
- Sheet 19 of 19 - One Line Diagram (continuation)



SECTION VII- DRAWINGS



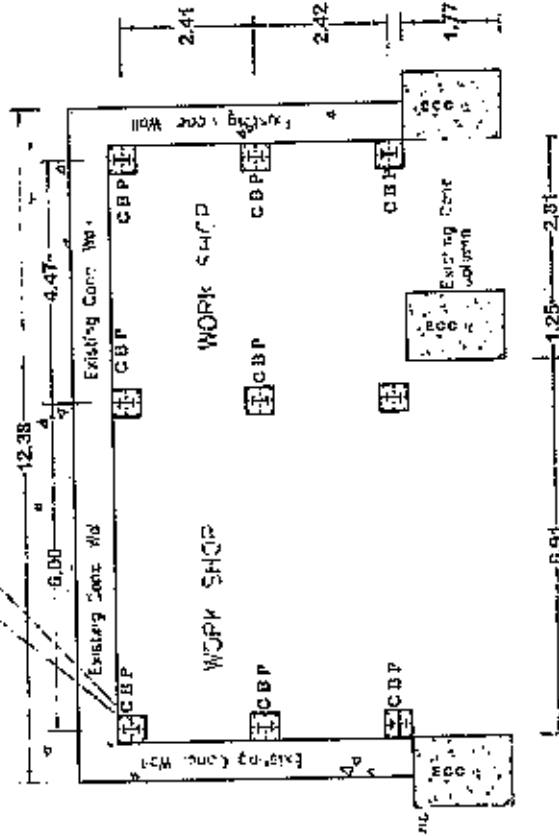
**SPECIFICATIONS:**

- 1.) All Columns & Base Plate footing must be Cast Iron.
- 2.) All base plate footing must be full welded to the I-beam columns, and must be anchored to the existing concrete flooring.
- 3.) Anchor bolts for base plate footing must be 20mm diameter.

**LEGEND:**

- 1.) CBP - Column Base Plate
- 2.) EFL - Existing Floor Line
- 3.) ECC - Existing Concrete Column

Cast Iron Column Base Plate (0.50m x 0.50 x 7.5" thick) with 10-20mm dia bolt with nut & washer.  
Embedded to the existing concrete footing with 10-20mm Bolt with Nut & washer.  
Cast Iron I-Beam (10' x 6' x 3/4") 7.52mm thick Web & 12.35mm thick Flange



**FOUNDATION PLAN**

Scale : 1 : 100



**NATIONAL POWER CORPORATION**  
PULANGI IV HE PLANT, CAMP 1, KUNTOO,  
MAGAMAG, BUKIDNON

**OPERATIONS DIVISION PROJECT**

TITLE: Installation of additional working area/ conference room for operation & maintenance personnel at the powerhouse control room of Pulangi IV HE Plant.

NO.	BY	DATE
1	ALBERTO ANTONIO	2022-05-27
2	ALBERTO ANTONIO	2022-05-27
3	ALBERTO ANTONIO	2022-05-27
4	ALBERTO ANTONIO	2022-05-27
5	ALBERTO ANTONIO	2022-05-27
6	ALBERTO ANTONIO	2022-05-27
7	ALBERTO ANTONIO	2022-05-27
8	ALBERTO ANTONIO	2022-05-27
9	ALBERTO ANTONIO	2022-05-27
10	ALBERTO ANTONIO	2022-05-27

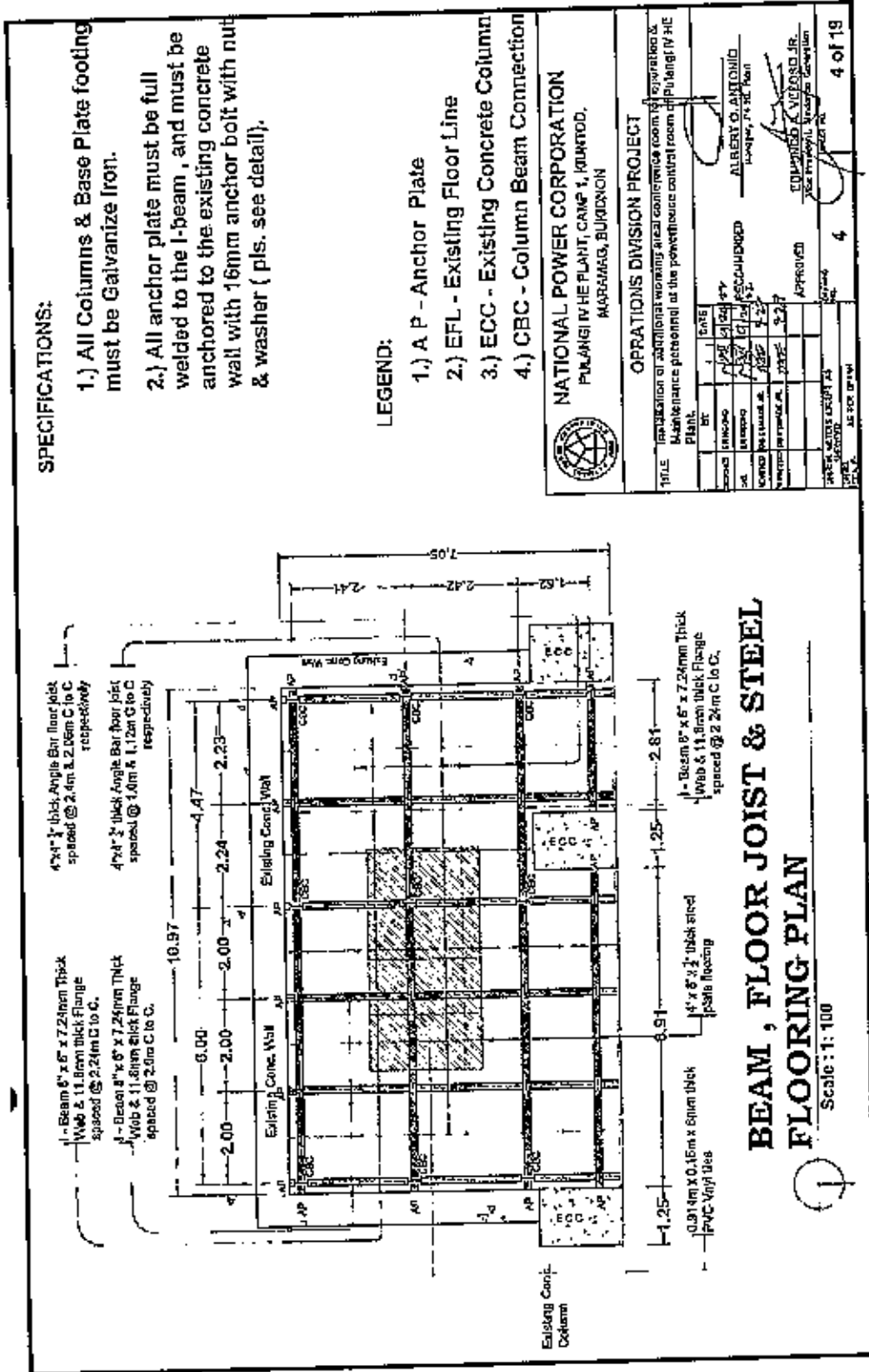
APPROVED: *[Signature]*  
ALBERTO ANTONIO  
Manager, P.E. (HE)

APPROVED: *[Signature]*  
EDUARDO A. DEL ROSA JR.  
Area Engineer (Mechanical Services)

DATE: 2022-05-27

3 of 19

SECTION VII- DRAWINGS



SECTION VII- DRAWINGS

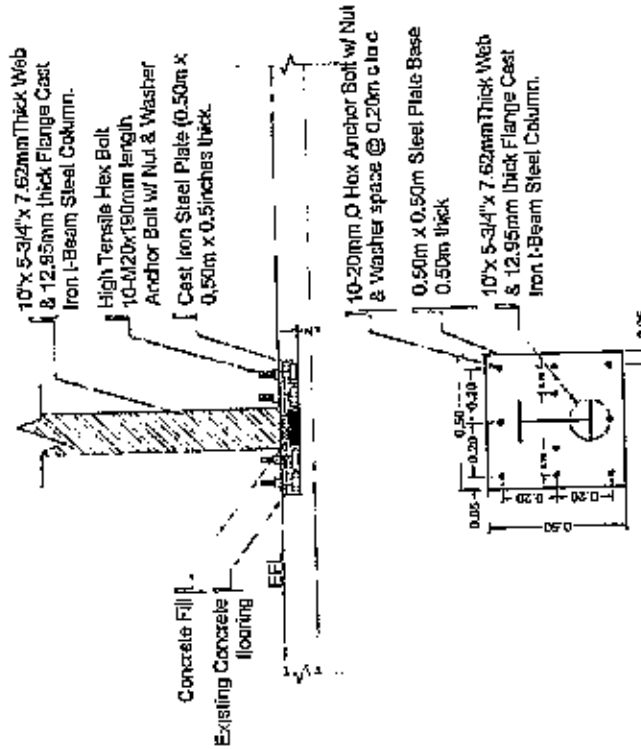
PR NO./REF. NO.: MG-PLM22-194/INFR2022-PUL-059

**SPECIFICATIONS:**

- 1.) All Columns & Base Plate footing must be Cast Iron.
- 2.) All base plate must be full welded to the I-beam columns, and must be anchored to the existing concrete flooring.

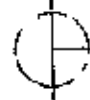
**LEGEND:**

- 1.) CB P - Column Base Plate
- 2.) EFL - Existing Floor Line



**COLUMN & BASE PLATE DETAIL**

Scale : 1: 20



**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, KIUNTOO,  
 KARANAG, BUJODRON

**OPERATIONS DIVISION PROJECT**

FILE: Installation of additional working area conference room for operations & maintenance personnel at the powerhouse control room of Pulangi IV HE

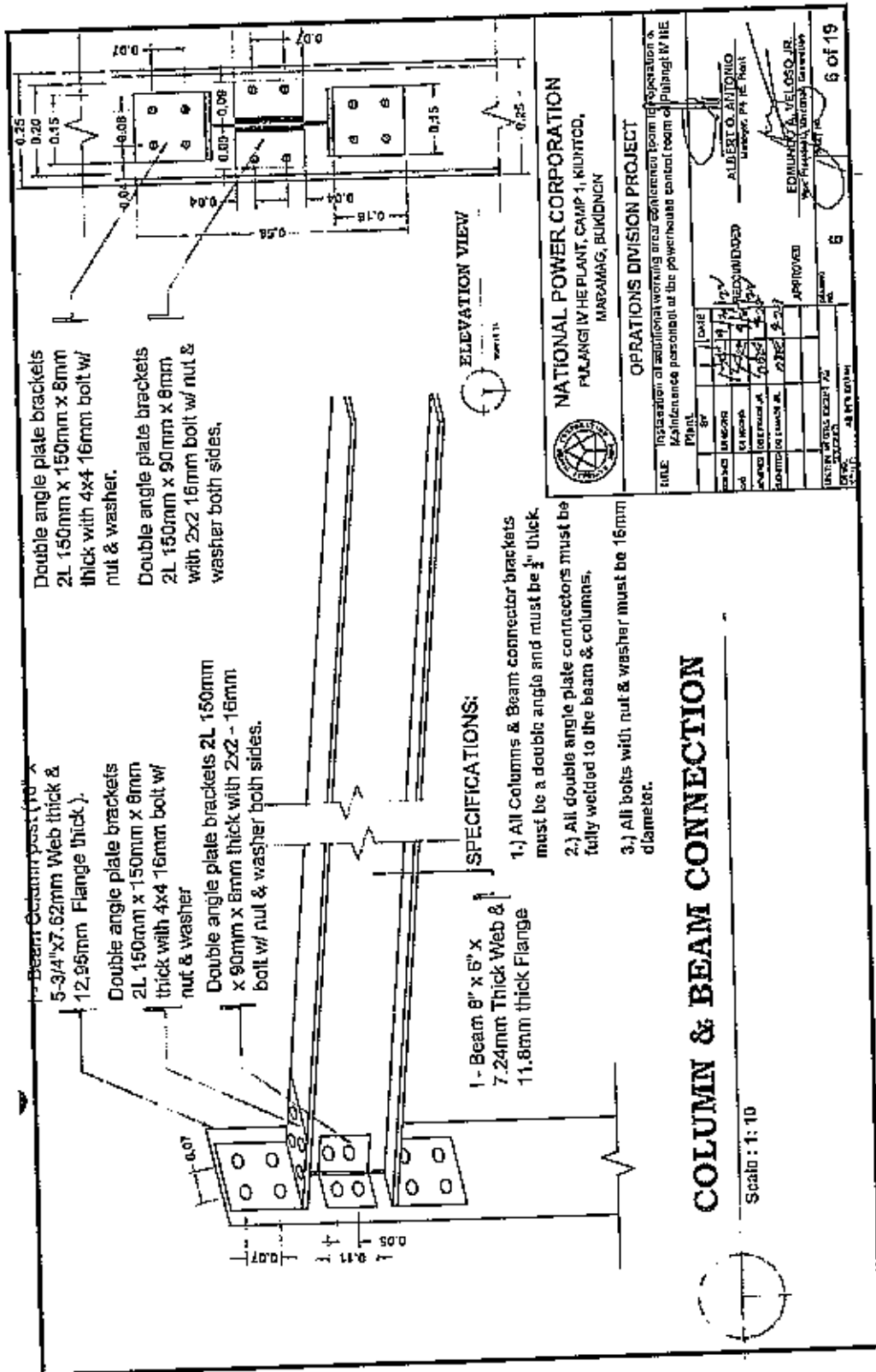
NO.	REV.	DATE	DESCRIPTION
1	1	10/25/22	ISSUED FOR PERMIT
2	1	11/15/22	ISSUED FOR PERMIT
3	1	12/15/22	ISSUED FOR PERMIT
4	1	01/15/23	ISSUED FOR PERMIT
5	1	02/15/23	ISSUED FOR PERMIT

DESIGNED BY	ALBERTO ANTONIO
CHECKED BY	ALBERTO ANTONIO
APPROVED BY	EDUARDO VELOSO JR.
DATE	02/15/23
SCALE	AS PER DRAWING
SHEET NO.	5
TOTAL SHEETS	5 OF 19

SECTION VII- DRAWINGS

PR NO./REF. NO.: MG-PLM22-194/INFR2022-PUL-059



Double angle plate brackets  
 2L 150mm x 150mm x 8mm  
 thick with 4x4 16mm bolt w/  
 nut & washer.

Double angle plate brackets  
 2L 150mm x 90mm x 8mm  
 with 2x2 16mm bolt w/ nut &  
 washer both sides.

Beam Column Post (10 x  
 5-3/4" x 7.62mm Web thick &  
 12.95mm Flange thick).

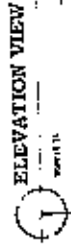
Double angle plate brackets  
 2L 150mm x 150mm x 8mm  
 thick with 4x4 16mm bolt w/  
 nut & washer

Double angle plate brackets 2L 150mm  
 x 90mm x 8mm thick with 2x2 - 16mm  
 bolt w/ nut & washer both sides.

1 - Beam 8" x 6" x  
 7.24mm Thick Web &  
 11.8mm thick Flange

**SPECIFICATIONS:**

- 1.) All Columns & Beam connector brackets must be a double angle and must be 3/4" thick.
- 2.) All double angle plate connectors must be fully welded to the beam & columns.
- 3.) All bolts with nut & washer must be 16mm diameter.



**NATIONAL POWER CORPORATION**  
 FAR-ANGI IV HE PLANT, CAMP 1, KIDUYOD,  
 MARAMAG, BUKIDNON



**OPERATIONS DIVISION PROJECT**

TITLE: Installation of additional working area (conference room) in operation & maintenance personnel at the powerhouse control room of Pulangi IV HE

Plant	Drawn by	Checked by	Date
Far-Angi IV HE	ALBERT O. ANTONIO	ALBERT O. ANTONIO	11/19/22
Far-Angi IV HE	EDUARDO A. VELOSO JR.	EDUARDO A. VELOSO JR.	11/22/22

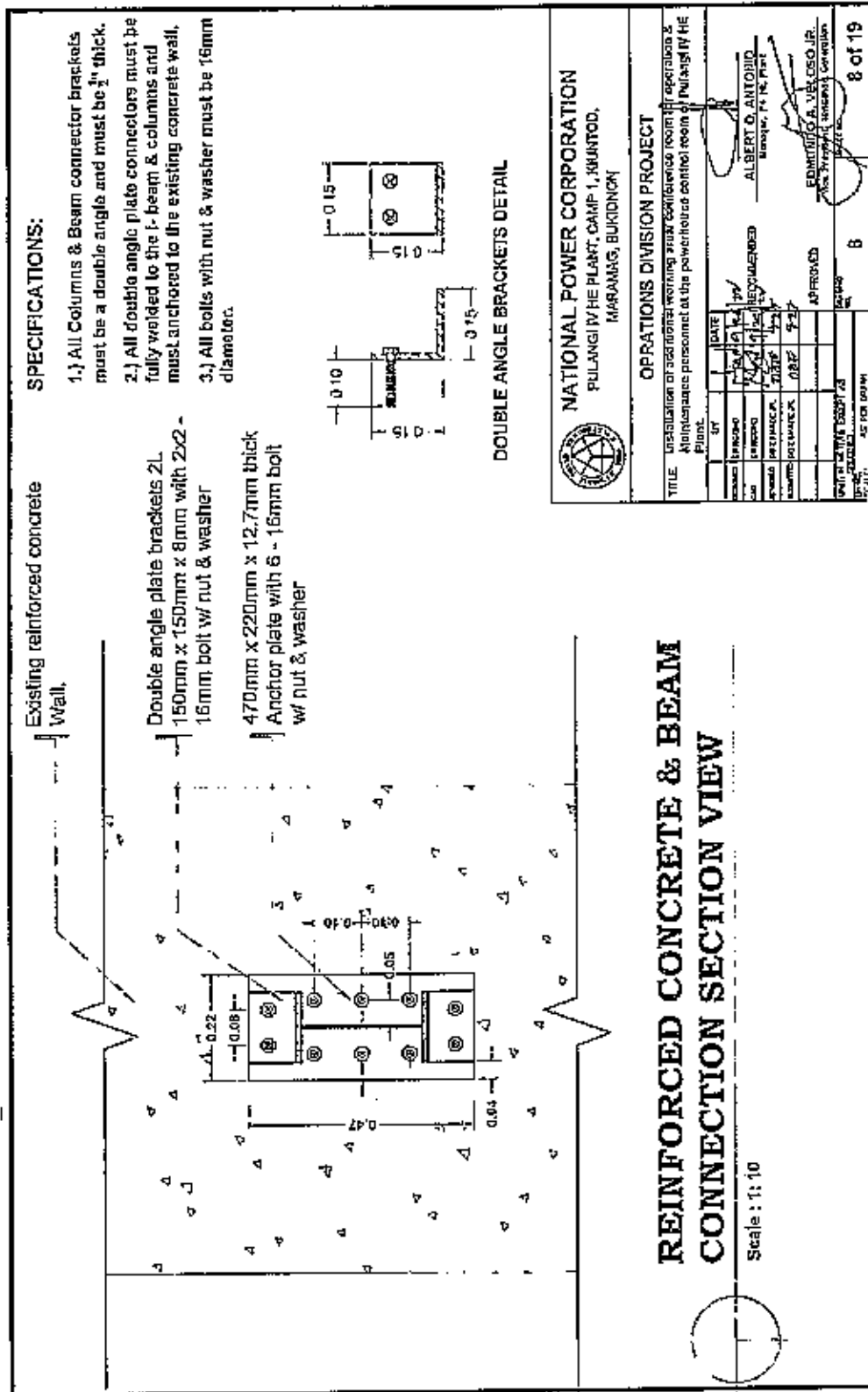
APPROVED: \_\_\_\_\_  
 DATE: 11/22/22

**COLUMN & BEAM CONNECTION**

Scale: 1:10







**SPECIFICATIONS:**

- 1.) All Columns & Beam connector brackets must be a double angle and must be  $\frac{1}{4}$ " thick.
- 2.) All double angle plate connectors must be fully welded to the I-beam & columns and must be anchored to the existing concrete wall.
- 3.) All bolts with nut & washer must be 16mm diameter.

**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, MANTOD,  
 MARANAG, BUKIDNON

**OPERATIONS DIVISION PROJECT**

TITLE: Installation of additional working area conference room for operations & maintenance personnel at the powerhouse control room Pulangi IV HE Plant.

NO.	BY	DATE	REVISION
1	ALBERT O. ANTONIO	10/27/2022	ISSUED FOR PERMITS
2	ALBERT O. ANTONIO	11/15/2022	RECOMMENDED
3	ALBERT O. ANTONIO	11/15/2022	APPROVED

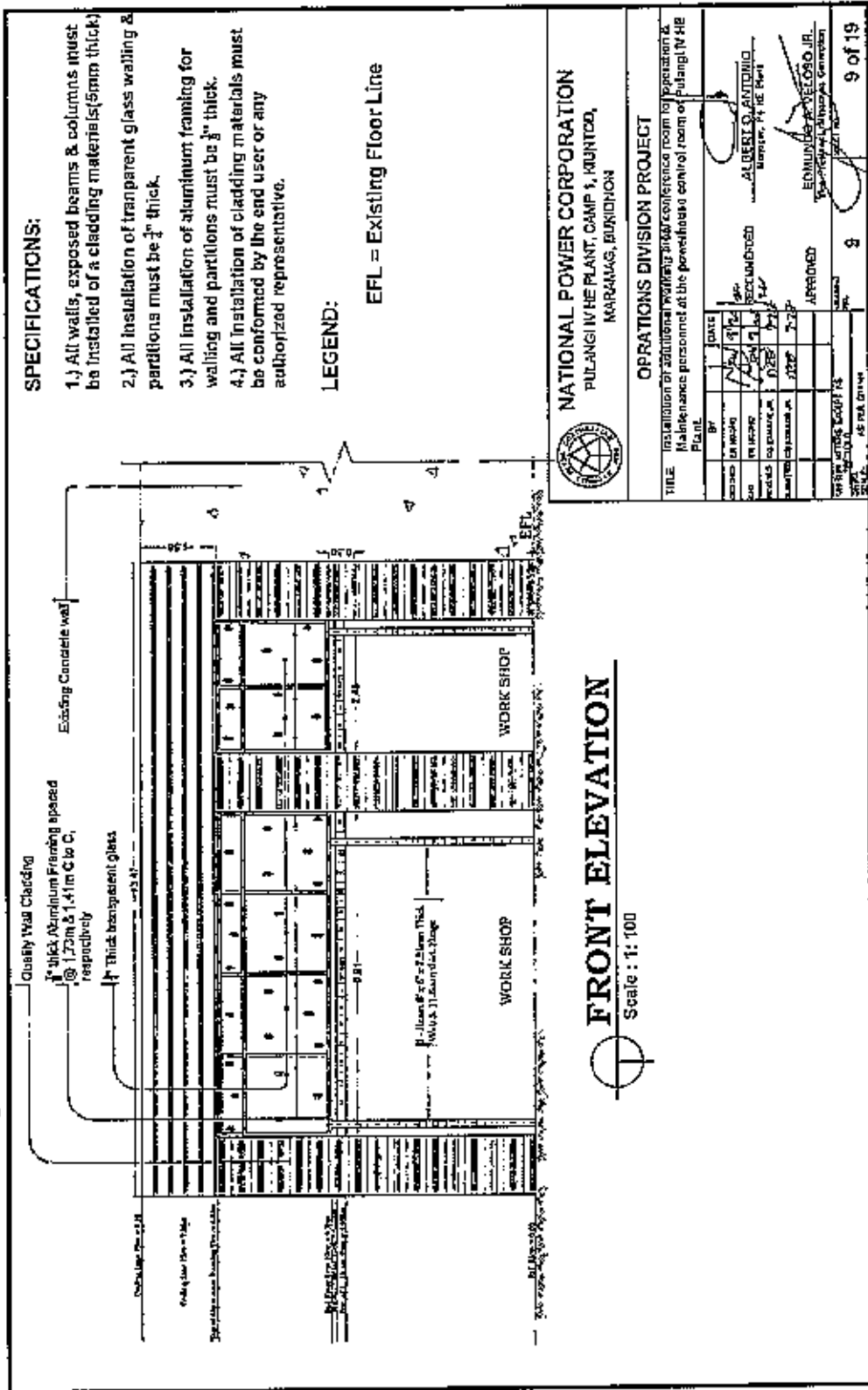
APPROVED: **ALBERT O. ANTONIO**  
 Manager, P. IV HE Plant

EDUARDO A. JUAN GSO JR.  
 Vice President (Operations)

UNIT: PULANGI IV HE PLANT  
 SHEET: 8 OF 19

**REINFORCED CONCRETE & BEAM  
 CONNECTION SECTION VIEW**

Scale : 1:10



**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, MUNTICO,  
 MARIKINA, BULACAN

**OPERATIONS DIVISION PROJECT**

Plant: Installation of additional working area conference room for operations & maintenance personnel at the powerhouse control room of Pulangi IV HE Plant

NO.	DATE	BY	CHKD.	REVISIONS
1	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
2	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
3	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
4	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
5	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
6	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
7	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
8	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
9	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS
10	1/12/22	ALBERT O. AVILA	EDMUNDO S. VELOSO, JR.	REVISIONS

APPROVED: EDMUNDO S. VELOSO, JR.  
 Manager, Operations Division

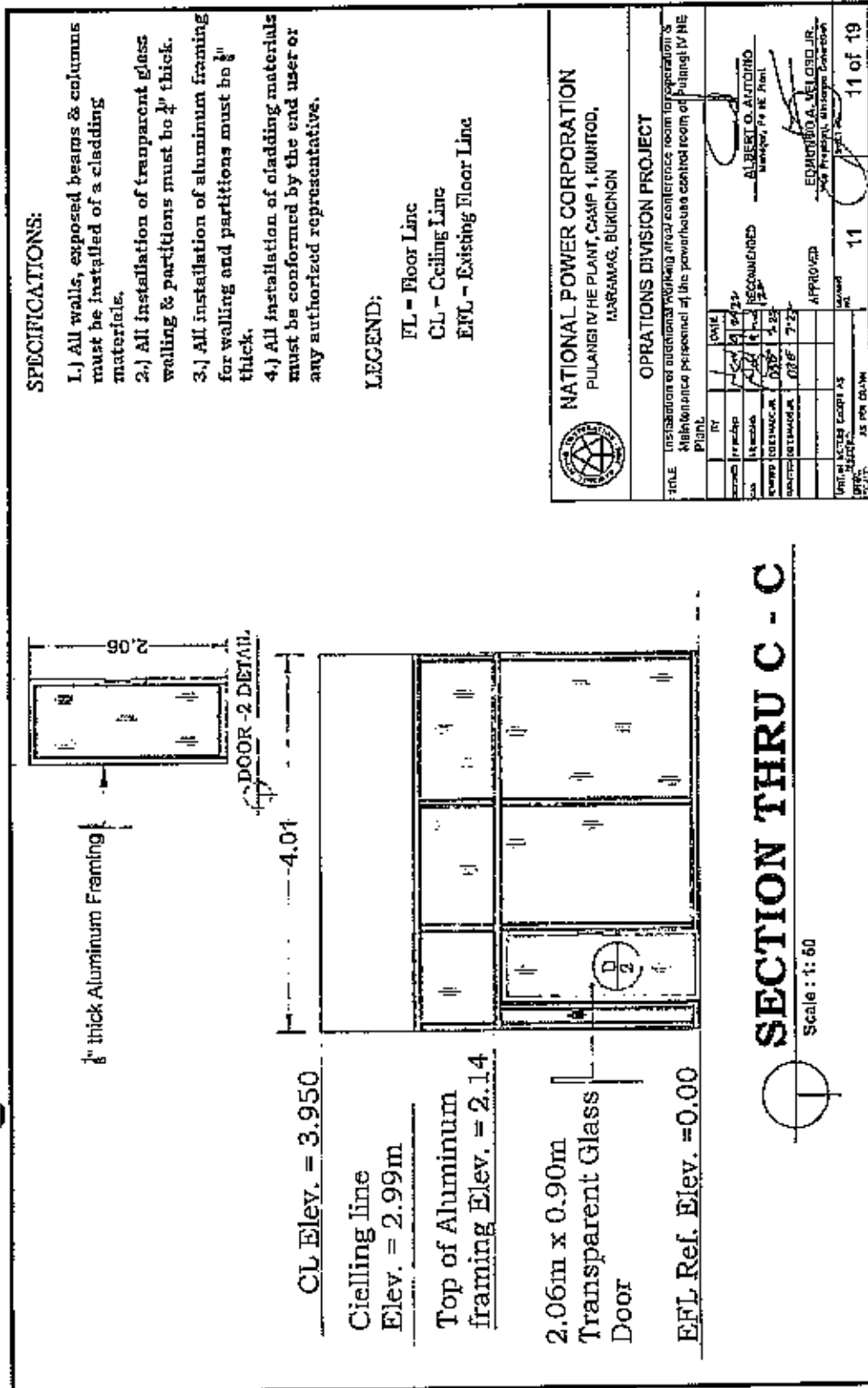
DATE: 1/12/22

NO. OF SHEETS: 13  
 SHEET NO.: 9

AS PER DRAWING

9 of 19





**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, RINCHOD,  
 MARANAG, BUKIDNON

**OPERATIONS DIVISION PROJECT**

SCALE: INSTALLATION OF ADDITIONAL WORKING AREA/CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF PULANGI IV HE PLANT.

NO.	BY	DATE	REVISIONS
1	ALBERT O. ALDINO	02/27/23	ISSUED FOR PERMIT
2	EDMUNDO A. VELOSO JR.	02/28/23	APPROVED

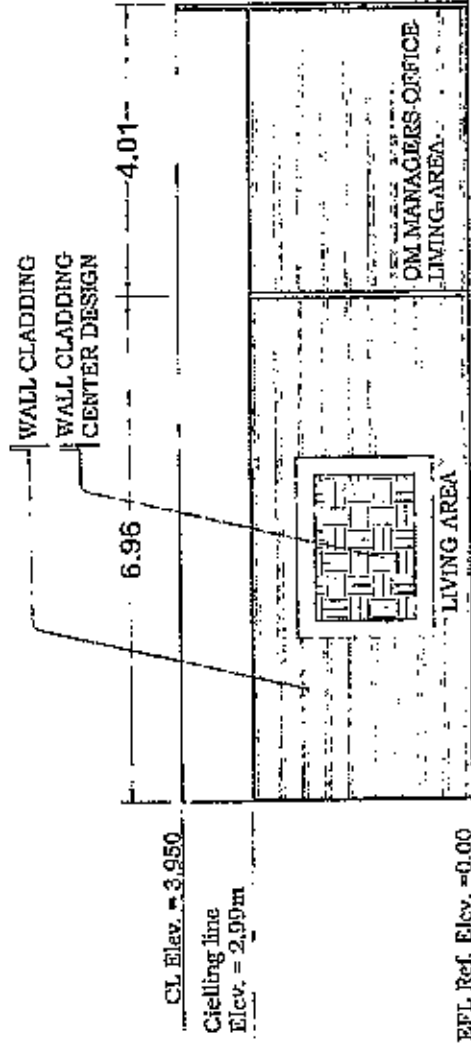
APPROVED: EDMUNDO A. VELOSO JR., Chief Engineer, Operations Division

DATE: 11 11 of 19

SECTION VII- DRAWINGS

**SPECIFICATIONS:**

- 1.) All walls, exposed beams & columns must be installed of a cladding materials at least 5mm thick.
- 2.) All installation of transparent glass walling & partitions must be 3/4" thick.
- 3.) All installation of aluminum framing for walling and partitions must be 1/2" thick.
- 4.) All installation of cladding materials must be conformed by the end user or any authorized representative.



**SECTION THRU B - B**

Scale : 1 : 75



**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, KUNTOOD,  
 MARAWAG, BUKIDNON

**OPERATIONS DIVISION PROJECT**

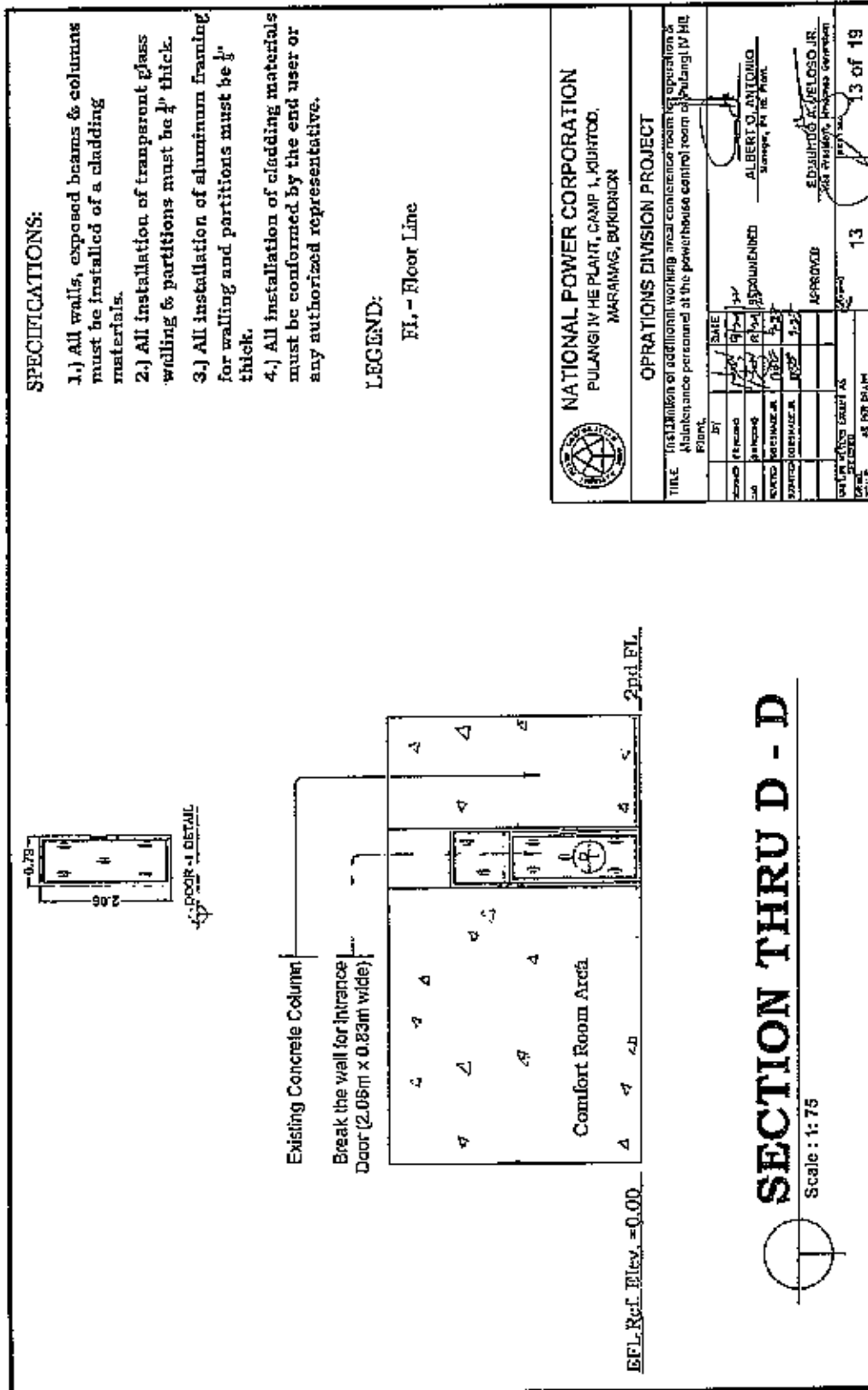
INSTALLATION OF ADDITIONAL WORKING AREA (CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE PERSONNEL) AT THE POWERHOUSE CONTROL ROOM OF PULANGI IV HE PLANT

NO.	BY	DATE	REVISIONS
1	ALBERT O. ANONIMO	5/24/24	REVISIONS
2	EDUARDO A. VELASQUEZ	5/27/24	APPROVED

APPROVED: EDUARDO A. VELASQUEZ, SAN FRANCISCO, BUKIDNON

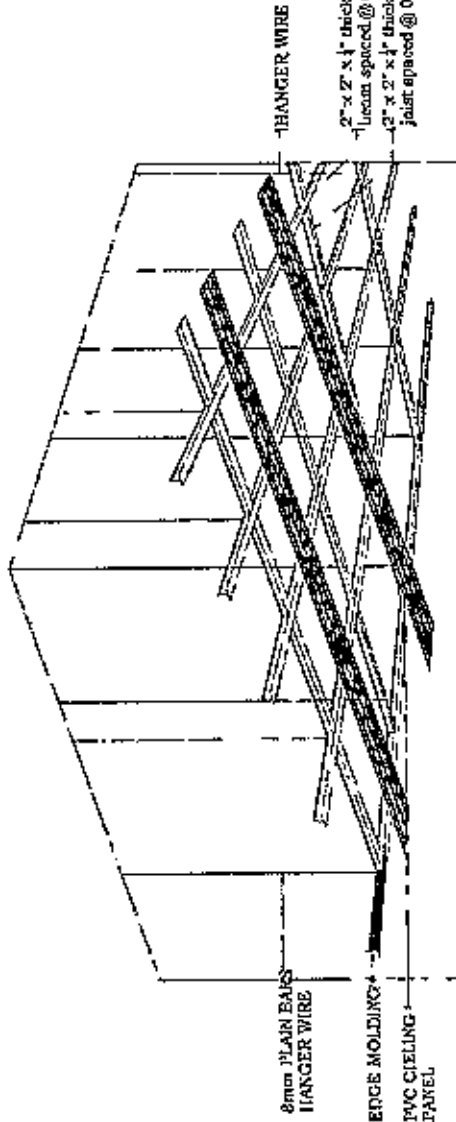
DATE: 5/27/24

12 of 19



**SPECIFICATIONS:**

- 1.) All ceiling must be an PVC ceiling tiles/Panels.
- 2.) All installation of main beams & ceiling joist must be 2" x 2" 1/4" thick angle bars.



**Suspended Ceilings - PVC Ceiling Tiles/Panels**

NOT TO SCALE



**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, MANTOD,  
 MARAMAG, DUKIDONG

**OPERATIONS DIVISION PROJECT**

INSTALLATION OF ADDITIONAL WORKING AREA/CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF PULANGI IV HE PLANT

NO.	DATE	REVISION
1	1/14/23	RECOMMENDED
2	1/14/23	APPROVED

APPROVED: **EDJUNIO M. DEL ROSARIO JR.**  
 Chief, Operations Division

14 of 19



**SPECIFICATIONS:**

- 1.) All ceiling must be PVC ceiling panels 8mm thick.
- 2.) All ceiling joist must be 2" x 2" x 1/4" thick.

**LEGEND:**

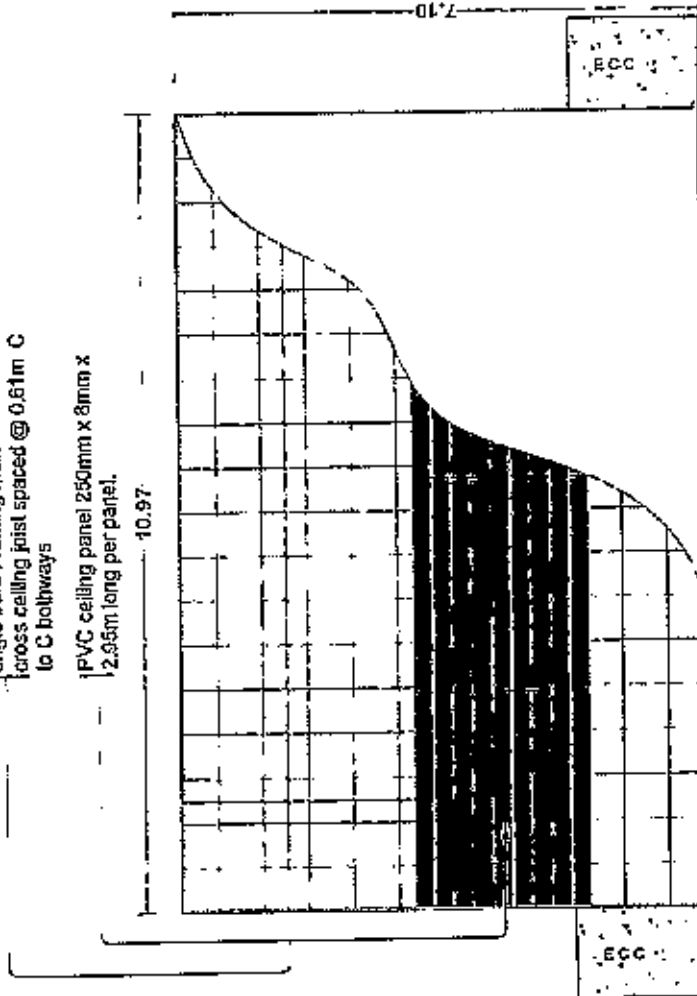
ECC - Existing Concrete Column

2" x 2" x 1/4" thick @ 6m long per length  
 angle bars Framing main beam &  
 cross ceiling joist spaced @ 0.61m C  
 to C bays

PVC ceiling panel 250mm x 8mm x  
 12.95m long per panel.

10.97

7.10



**REFLECTED CEILING JOIST  
 ( 2nd Floor & Work Shop )**

Scale : 1:75



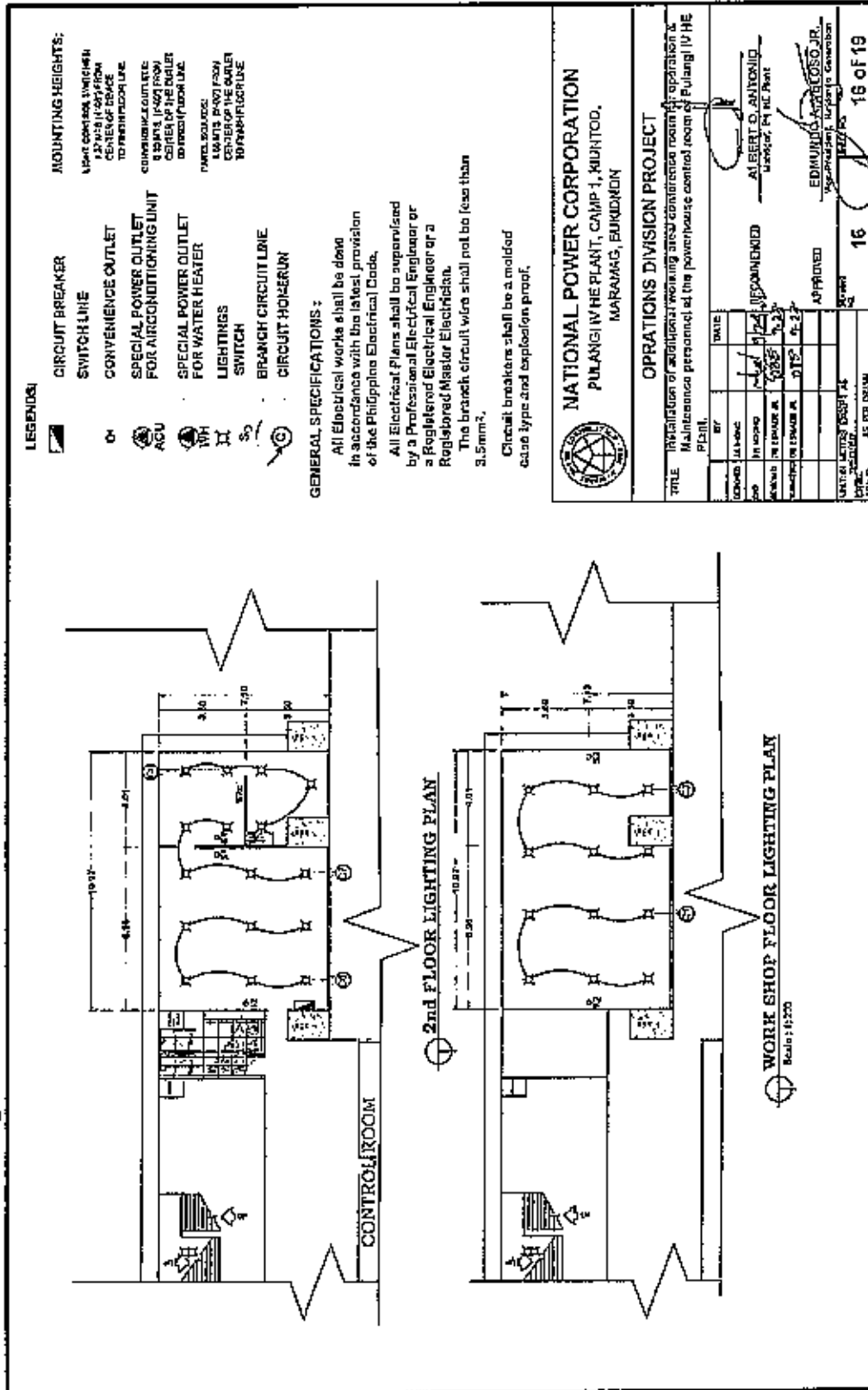
**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP-1, MINTOD,  
 MARBANG, BUKIDINON

**OPERATIONS DIVISION PROJECT**

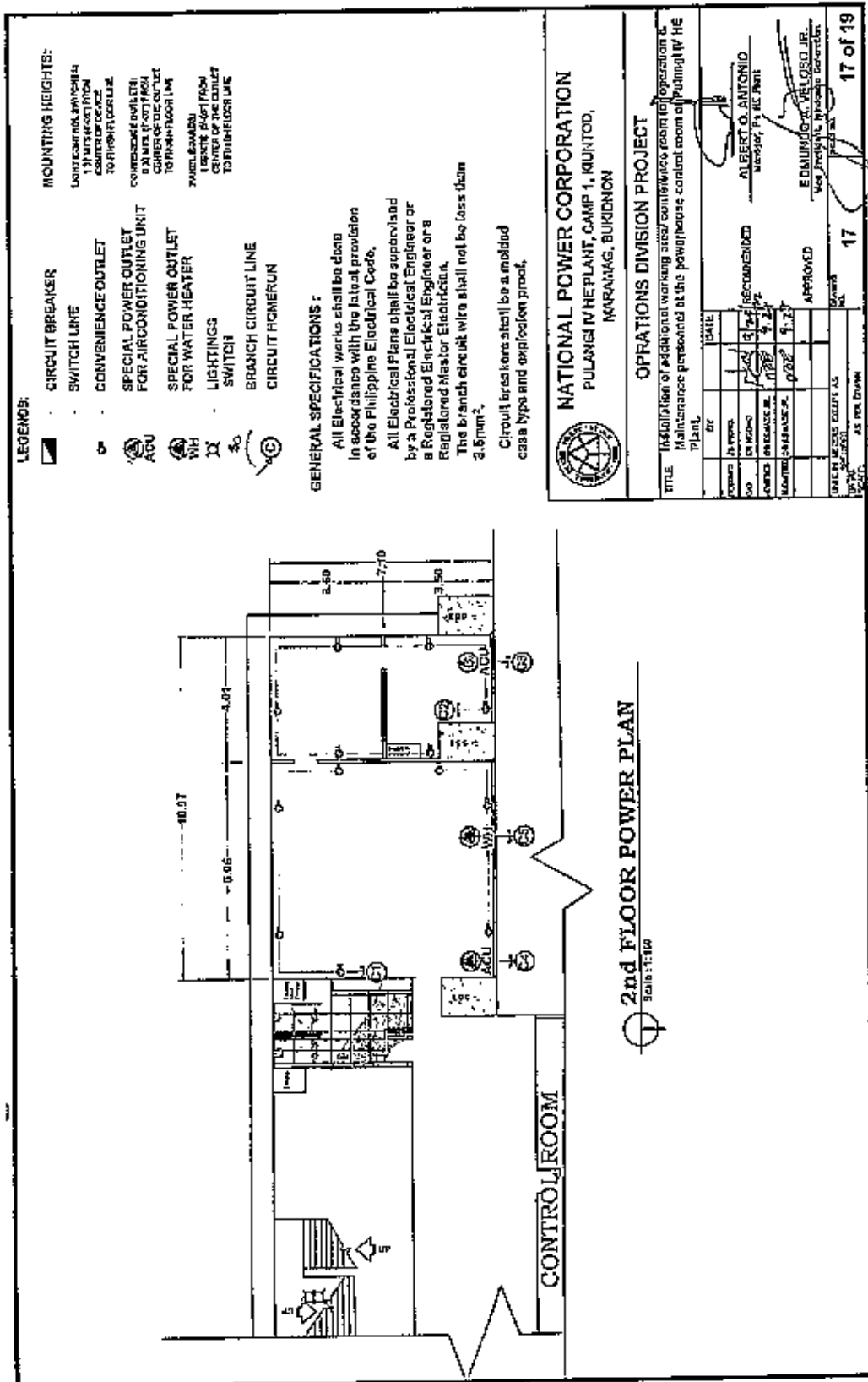
1916 Installation of additional working area for maintenance room of generator & maintenance personnel at the powerhouse control room of Pulangi IV HE Plant

NO.	BY	DATE	REVISION
1	ALBERT D. ANTONIO	11/27/2022	RECOMMENDED
2	EDMUNDO A. DEL ROSA JR.	12/07/2022	APPROVED

DATE: 15/01/2023  
 DRAWN BY: ASHLEY  
 CHECKED BY: ALBERT D. ANTONIO  
 APPROVED BY: EDMUNDO A. DEL ROSA JR.  
 SHEET NO. 15 OF 19



SECTION VII- DRAWINGS



2nd FLOOR POWER PLAN  
 Scale 1:100

- LEGENDS:**
- CIRCUIT BREAKER
  - SWITCH LINE
  - CONVENIENCE OUTLET
  - SPECIAL POWER OUTLET FOR AIRCONDITIONING UNIT
  - SPECIAL POWER OUTLET FOR WATER HEATER
  - LIGHTINGS SWITCH
  - BRANCH CIRCUIT LINE
  - CIRCUIT RUNERUN
- MOUNTING HEIGHTS:-**
- Light control switches 1.7m
  - Convenience outlet 1.7m
  - Special power outlet 1.7m
  - Special power outlet for water heater 1.7m
  - Lightings switch 1.7m
  - Branch circuit line 1.7m
  - Circuit runerun 1.7m

**GENERAL SPECIFICATIONS :**

All Electrical works shall be done in accordance with the latest provision of the Philippine Electrical Code.

All Electrical Plans shall be supervised by a Professional Electrical Engineer or a Registered Electrical Engineer or a Registered Master Electrician.

The branch circuit wire shall not be less than 3.6mm<sup>2</sup>.

Circuit breakers shall be a molded case type and explosion proof.

**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, KIUNTOO,  
 MARANAG, BUKIDNON

**OPERATIONS DIVISION PROJECT**

**TITLE:** Installation of additional working area/conference room (operation & maintenance personnel) at the powerhouse control room of Pulangi IV HE Plant.

NO.	DATE	BY	CHKD.	SCALE
1	07/11/2022	ALBERT O. ANTONIO	EDMUNDO C. VELASCO JR.	1:100
2	08/02/2022	ALBERT O. ANTONIO	EDMUNDO C. VELASCO JR.	1:100
3	08/02/2022	ALBERT O. ANTONIO	EDMUNDO C. VELASCO JR.	1:100
4	08/02/2022	ALBERT O. ANTONIO	EDMUNDO C. VELASCO JR.	1:100
5	08/02/2022	ALBERT O. ANTONIO	EDMUNDO C. VELASCO JR.	1:100

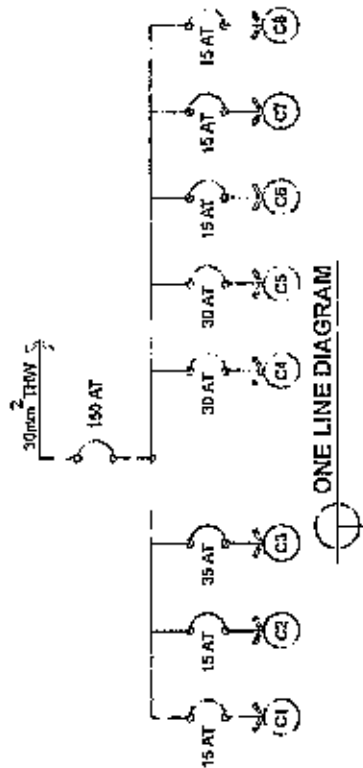
**RECOMMENDED:** ALBERT O. ANTONIO, Member, P.E. Board

**APPROVED:** EDMUNDO C. VELASCO JR., Vice President, Electrical Section

DATE PREPARED: 07/11/2022  
 DRAWN BY: ALBERT O. ANTONIO  
 AS PER DRAWING NO. 17 of 19

**LOAD SCHEDULE ( 2nd Floor Operations Office)**

GKT. No.	No. of Lights	S1	S2	No. of Co.	ACU	WH	Power (Watts)	Volls	Amphere	Size of CB	Size of Wire
C1				7			1400	220	6.36	15 AT	3.5mm <sup>2</sup> THW
C2				6			1200	220	5.45	15 AT	3.5mm <sup>2</sup> THW
C3					1		6000	220	27.27	35 AT	3.5mm <sup>2</sup> THW
C4					1		1885	220	8.48	30 AT	5.5mm <sup>2</sup> THW
C5						1	4000	220	18.18	30 AT	5.5mm <sup>2</sup> THW
C6							800	220	2.73	15 AT	3.5mm <sup>2</sup> THW
C7							500	220	2.27	15 AT	3.5mm <sup>2</sup> THW
C8							500	220	2.27	15 AT	3.5mm <sup>2</sup> THW
Main CB								220	73.023	150 AT	30mm <sup>2</sup> THW



**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, KIUNTOP,  
 MARINA, BUKITENOH

**OPERATIONS DIVISION PROJECT**

TITLE: Installation of additional working area/conference room for operations & Maintenance personnel at the powerhouse control room of Pulangi IV HE Plant.

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
REVISIONS	
NO.	DESCRIPTION
1	AS NOTED

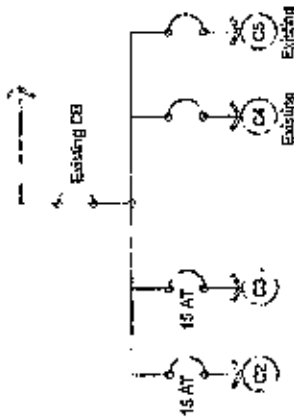
APPROVED: ALBERT O. ANTONIO  
 MANAGING ENGINEER

APPROVED: EDMUNDO SALVENDY JR.  
 MANAGING ENGINEER

DATE: 18 18 of 19

**LOAD SCHEDULE ( Work Shop)**

CKT. No.	No. of Lights	S1	S2	No. of Co.	ACU		Power (Watts)	Volts	Amphare	Size of CB	Sizes of Wire
					ACU	WH					
C1	0		1				1400	220	6.36	15 AT	3.5mm <sup>2</sup> -TRW
C2	5		1				1200	220	5.45	15 AT	3.5mm <sup>2</sup> -TRW
Main CB Existing Main Breaker/Wire											



**ONE LINE DIAGRAM**

**NATIONAL POWER CORPORATION**  
 PULANGI IV HE PLANT, CAMP 1, KIUNTOD,  
 MARAWAG, BUKIDNON

**OPERATIONS DIVISION PROJECT**

TITLE: INSTALLATION OF ADDITIONAL WORKING AREA CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE PERSONNEL AT THE powerhouse control room of PULANGI IV HE Plant.

DATE	BY	REVISION
19/07/2022	ALBERT O. ANTONIO	RECOMMENDED
19/07/2022	EDUARDO A. VELDSO JR.	APPROVED

BID DOCUMENTS

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA/  
CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
PULANGI IV HE PLANT  
PR NO./REF. NO. MG-PLM22-194/INFR2021-AGS-047

SECTION VIII – BILL OF QUANTITIES

## *Section VIII. Bill of Quantities*

BID DOCUMENTS

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA/  
CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
PULANGI IV HE PLANT

SECTION VIII - BILL OF QUANTITIES

PR. NO/REF. NO. MG-PLM22-194/INFR2021-AGS-047

Installation of additional Working area/Conference Room for Operations & Maintenance Personnel at  
the Powerhouse Control Room of Pulangi IV HE Plant.  
MG-PLM22-194

SECTION VIII - BILL OF QUANTITIES

BILL OF QUANTITIES

Item No.	Description of Work or Materials	Unit	Estimated Quantity	Unit Price in Pesos (Words and Figures)	Total Amount
1	Layout	Lot	1.00	(PHP _____)	PHP _____
2	Foundation Works	cu.m.	0.20	(PHP _____)	PHP _____
3	Steel Works	kgs	10,904.60	(PHP _____)	PHP _____
4	Ceiling Works	sq.m.	78.00	(PHP _____)	PHP _____
5	CR Renovation and Tiling Works	sq.m.	52.50	(PHP _____)	PHP _____
6	Glass Wall and Door Installation	sq.m.	50.18	(PHP _____)	PHP _____
7	Cladding Works	sq.m.	250.00	(PHP _____)	PHP _____
8	Electrical Works	outlets	50.00	(PHP _____)	PHP _____
9	Painting Works	lot	1.00	(PHP _____)	PHP _____
				TOTAL =	PHP _____

Name of Firm \_\_\_\_\_

Name and Signature of Authorized Representative \_\_\_\_\_

Designation \_\_\_\_\_

BID DOCUMENTS

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA/  
CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
PULANGI IV HE PLANT

SECTION IX- CHECKLIST OF TECHNICAL &  
FINANCIAL DOCUMENTS

PR NO./REF. NO.: MG-PLM22-194/(NFR2021-AG5-047

## *Section IX. Checklist of Technical and Financial Documents*



## Checklist of Technical and Financial Documents

### I. TECHNICAL COMPONENT ENVELOPE *[Submit in three (3) copies- one (1) marked Original with the understanding that the Pass/Fail evaluation will be based only on the copy marked "Original"]*

#### *Class "A" Documents*

##### Legal Documents

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

##### Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid, *using NPC-MinGen Standard Form No. NPCMGNSF-INFR-01; and*
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules, *using NPC-MinGen Standard Form No. NPCMGNSF-INFR-02 supported with the following documents:*
- *Contract and/or Notice to Proceed;*
  - *For project completed within the year, submit Certificate of Completion;*
  - *For project completed after the lapse of one year, submit Owner's Certificate of Final Acceptance issued by the project owner other than the contractor, or a final rating of at least Satisfactory in the Constructor's Performance Evaluation System (CPES);*
  - *In case of contracts with the private sector, an equivalent document (Ex. Official receipt) shall be submitted.*
- and
- (d) Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and
- (e) Original copy of Bid Security. If in the form of a Surety Bond, *using NPC-MinGen Standard Form No. NPCMGNSF-INFR-03a*, submit also a certification issued by the Insurance Commission;  
or  
Original copy of Notarized Bid Securing Declaration using *NPC-MinGen Standard Form No. NPCMGNSF-INFR-03b*; and
- (f) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid *using NPC-MinGen Standard Form No. NPCMGNSF-INFR-04;*

- b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-05, 6a, 6b & 07;
- c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-08 and its supporting documents; and
- (g) Original duly signed Omnibus Sworn Statement (OSS), *using any of the following NPC-MinGen Standard Forms No.:*  
*NPCMGNSF-INFR-09a – for Sole Proprietorship;*  
*or*  
*NPCMGNSF-INFR-09b – for Partnership/Cooperative/Corporation/ Joint Venture with the following supporting documents:*  
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) *using NPC-MinGen Standard Form No. NPCMGNSF-INFR-10.*

Class "B" Documents

- (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence, using NPC-MinGen Standard Form No. *NPCMGNSF-INFR-11;*  
or  
 duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

**II. FINANCIAL COMPONENT ENVELOPE** *[Submit in three (3) copies- one (1) marked Original with the understanding that the Pass/Fail evaluation will be based only on the copy marked "Original"]*

- (j) Original of duly signed (each and every page) and accomplished Financial Bid Form, *using NPC-MinGen Standard Form No. NPCMGNSF-INFR-12;*  
and  
Other documentary requirements under RA No. 9184
- (k) Original of duly signed (each and every page) Bid Prices in the Bill of Quantities, *using given form in Section VIII; and*

- (l) Duly signed (each and every page) and accomplished Detailed Estimates Form *using NPC-MinGen Standard Form No. NPCMGNSF-INFR-13*, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid *using NPC form NPCMGNSF-INFR-14; and*
- (m) Cash Flow by Quarter or Month, as applicable (duly signed each and every page)

## STANDARD BIDDING FORMS NPC-MINDANAO GENERATION

- NPCMGNSF-INFR-01 - List of all Ongoing Government & Private Construction Contracts Including Contracts Awarded but not yet Started
- NPCMGNSF-INFR-02 - Statement of the Bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid
- NPCMGNSF-INFR-03a - Form of Bid Security : Surety Bond
- NPCMGNSF-INFR-03b - Bid Securing Declaration Form
- NPCMGNSF-INFR-04 - Contractor's Organizational Chart for the Project
- NPCMGNSF-INFR-05 - List of Key Personnel Proposed to be Assigned to the Project
- NPCMGNSF-INFR-6a - Key Personnel's Certificate of Employment (Professional Personnel)
- NPCMGNSF-INFR-6b - Key Personnel's Certificate of Employment (Construction Safety and Health Practitioner)
- NPCMGNSF-INFR-07 - Key Personnel's Bio-Data
- NPCMGNSF-INFR-08 - List of Equipment, Owned or Leased and/or under Purchase Agreement, Pledged to the Proposed Project
- NPCMGNSF-INFR-09a - Omnibus Sworn Statement (Sole Proprietorship)
- NPCMGNSF-INFR-09b - Omnibus Sworn Statement (Partnership/ Cooperative/Corporation//Joint Venture)
- NPCMGNSF-INFR-10 - Computation of Net Financial Contracting Capacity (NFCC)
- NPCMGNSF-INFR-11 - Joint Venture Agreement
- NPCMGNSF-INFR-12 - Bid Form
- NPCMGNSF-INFR-13 - Detailed Cost Estimate Form
- NPCMGNSF-INFR-14 - Summary Sheets of Materials Prices, Labor Rates and Equipment Rental Rates



BID DOCUMENTS

NAME OF PROJECT:

SECTION IX- CHECKLIST OF TECHNICAL & FINANCIAL DOCUMENTS

PR NO./REF. NO.:

H

Standard Form Number : NPCMGNSE-INFR-02

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	%		

Note: The bidder must state only one (1) Single Largest Completed Contract (SLCC) similar to the contract to be bid. Stating two (2) or more will disqualify his bid. This Statement shall be supported with:

1. Contract and Notice to Proceed
2. Certificate of Completion (for project completed within the year), or Owner's Certificate of Final Acceptance (for project completed after the lapse of one year) issued by the project owner other than the contractor, or a final rating of at least Satisfactory in the Constructor's Performance Evaluation System (CPES). In case of contracts in the private sector, an equivalent document (Ex. Official Receipt) shall be accepted.

Submitted by : \_\_\_\_\_  
 (Printed Name & Signature)

Designation : \_\_\_\_\_  
 Date : \_\_\_\_\_

Standard Form No: NPCMGNSF-INFR-03a

**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 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:
  - 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 Instruction 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.

BID DOCUMENTS

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PULANGI WHE PLANT  
PR NO/REF. NO. MG-PLM22-194/INFR2021-AG5-047

SECTION IX- CHECKLIST OF TECHNICAL &  
FINANCIAL DOCUMENTS

*Standard Form No: NPCMGNSF-INFR-03a*

*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)

\_\_\_\_\_  
SIGNATURE(S)

\_\_\_\_\_  
NAME(S) AND TITLE (S)

\_\_\_\_\_  
NAME(S)

\_\_\_\_\_  
SEAL

\_\_\_\_\_  
SEAL



SECTION IX- CHECKLIST OF TECHNICAL &  
FINANCIAL DOCUMENTS

Standard Form No: NPCMGNSF-INFR-03b

REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_ ) S.S.

**BID SECURING DECLARATION**  
Project Identification No.: *[Insert number]*

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

I/We, the undersigned, declare that:

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

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

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*  
*[Insert signatory's legal capacity]*  
Affiant

**[Jurat]**

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

Standard Form No: NPCMGNSF-INFR-04

### CONTRACTOR'S ORGANIZATIONAL CHART FOR THE CONTRACT

Submit Copy of the Organizational Chart that the Contractor intends to use to execute the Contract if awarded to him. Indicate in the chart the names of the Project Manager, Project Engineer, Foreman and other Key Engineering Personnel.

Attach the required Proposed Organizational Chart for the Contract as stated above

#### NOTES:

1. *This organization chart should represent the "Contractor's Organization" required for the Project, and not the organizational chart of the entire firm.*
2. *Each such nominated engineer/key personnel shall comply with and submit their complete qualification and experience data.*
3. *All these are required to be in the Technical Envelope of the Bidder.*

**BID DOCUMENTS**

NAME OF PROJECT: INSTALLATION OF ADDITIONAL WORKING AREA  
 CONFERENCE ROOM FOR OPERATIONS & MAINTENANCE  
 PERSONNEL AT THE POWERHOUSE CONTROL ROOM OF  
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SECTION IX- CHECKLIST OF TECHNICAL &  
 FINANCIAL DOCUMENTS

PR NO./REF. NO. MG-PLM22-194/INFR2021-AGS-047

Standard Form Number: NPCMGN5F-INFR-05

**LIST OF KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT**  
 (Based on the Minimum Key Personnel Required in the Bidding Documents)

Business Name : \_\_\_\_\_  
 Business : \_\_\_\_\_

DESIGNATION	
1. Name	
2. Address	
3. Date of Birth	
4. Employed Since	
5. Experience	
6. Previous Employment	
7. Education	
8. PRC License	

**Required Attachments during Postqualification:**

1. Valid PRC License of the (professional) personnel
2. Certificate of Training with accreditation from DOLE of the Construction Safety and Health Officer
3. TESDA Training Certificate (NC II) of Welder or Electrician, whichever is applicable
4. Copy of Diploma and/or Service Record/Certificate of Employment of previous and/or current employer of Foreman, Welder, Plumber or Electrician, whichever is applicable shall be submitted during post qualification by the winning bidder.

Submitted by: \_\_\_\_\_  
 (Printed name & signature)

Designation: \_\_\_\_\_  
 Date: \_\_\_\_\_

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (based on the minimum key personnel required in the bidding documents) to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).



Standard Form No: NPCMGNSF-INFR-06a  
Page 2 of 2

I do not allow the use of my name for the purpose of enabling the above-mentioned Contractor to qualify for the Contract without any firm commitment on my part to assume the post of (Designation) therefore, if the contract is awarded to him since I understand that to do so will be a sufficient ground for my disqualification as (Designation) in any future National Power Corporation bidding or employment with any Contractor doing business with the National Power Corporation.

\_\_\_\_\_  
(Name and Signature)  
AFFIANT

REPUBLIC OF THE PHILIPPINES )  
City/Municipality of \_\_\_\_\_ )S.S.

SUBSCRIBED AND SWORN TO before me this \_\_\_\_\_, day of \_\_\_\_\_ 20\_\_\_\_,  
affiant exhibiting to me his/her Community Tax Certificate No. \_\_\_\_\_ issued on  
\_\_\_\_\_ at \_\_\_\_\_, Philippines.

Notary Public  
Until 31 December 20 \_\_\_\_\_  
PTR No. \_\_\_\_\_  
Issued at: \_\_\_\_\_  
Issued on: \_\_\_\_\_  
TIN No. \_\_\_\_\_

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series of \_\_\_\_\_

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

Standard Form No: NPCMGNSF-INFR-06b

**KEY PERSONNEL'S CERTIFICATE OF EMPLOYMENT  
 (CONSTRUCTION SAFETY AND HEALTH PRACTITIONER)**

\_\_\_\_\_  
*Issuance Date*

**THE VICE PRESIDENT**  
 National Power Corporation  
 Mindanao Generation  
 Maria Cristina, Iligan City

Dear Sir:

I am (Name of Nominee) a Licensed \_\_\_\_\_ Engineer with  
 Professional License No. \_\_\_\_\_ Issued on \_\_\_\_\_ at \_\_\_\_\_  
 \_\_\_\_\_ (date of issuance) \_\_\_\_\_ (place  
 of issuance) \_\_\_\_\_

I hereby certify that (Name of Bidder) Has engaged my services as  
(Designation) for the (Name of Project), if awarded to it.

As (Designation), I supervised the following completed projects  
 Similar to the contract under bidding:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

At present, I am supervising the following projects:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

In case of my separation for any reason whatsoever from the above-mentioned Contractor, I shall notify the National Power Corporation at least twenty one (21) days before the effective date of separation.

As Safety and Health Practitioner, I know I will have to stay in the job site all the time and aware that I am authorized to handle only one (1) contract at a time.

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

Standard Form No: NPCMGNSF-INFR-06b  
Page 2 of 2

I do not allow the use of my name for the purpose of enabling the above-mentioned Contractor to qualify for the Contract without any firm commitment on my part to assume the post of Safety and Health Practitioner, if the contract is awarded to him since I understand that to do so will be a sufficient ground for my disqualification as Safety and Health Practitioner in any future National Power Corporation bidding or employment with any Contractor doing business with the National Power Corporation.

\_\_\_\_\_  
(Name and Signature)  
AFFIANT

REPUBLIC OF THE PHILIPPINES )  
City/Municipality of \_\_\_\_\_ )S.S.

SUBSCRIBED AND SWORN TO before me this \_\_\_\_\_, day of \_\_\_\_\_ 20\_\_\_\_,  
affiant exhibiting to me his/her Community Tax Certificate No. \_\_\_\_\_ issued on  
\_\_\_\_\_ at \_\_\_\_\_, Philippines.

Notary Public  
Until 31 December 20 \_\_\_\_\_  
PTR No. \_\_\_\_\_  
Issued at: \_\_\_\_\_  
Issued on: \_\_\_\_\_  
TIN No. \_\_\_\_\_

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series of \_\_\_\_\_

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

Standard Form No: NPCMGNSF-INFR-07

**KEY PERSONNEL  
 (FORMAT OF BIO-DATA)**

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

1. Name : \_\_\_\_\_
  2. Date of Birth : \_\_\_\_\_
  3. Nationality : \_\_\_\_\_
  4. Education and Degrees : \_\_\_\_\_
  5. Specialty : \_\_\_\_\_
  6. Registration : \_\_\_\_\_
  7. Length of Service with the Firm : \_\_\_\_\_
- |      |          |        |  |
|------|----------|--------|--|
| Year |          |        |  |
| from | (months) | (year) |  |
| To   | (months) | (year) |  |

8. Years of Experience \_\_\_\_\_

9. If item 7 is less than the required number of years stated in BDS Section III- ITB Clause 10.4, give name and length of service with previous employers to satisfy the required number of years of experience within the last ten (10) years (attached additional sheet/s), if necessary:

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

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

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



SECTION IX- CHECKLIST OF TECHNICAL &  
FINANCIAL DOCUMENTS

Standard Form No: NPCMGNSF-INFR-07  
Page 2 of 2

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

\_\_\_\_\_  
Name and Signature of  
Employee

It is hereby certified that the above personnel can be assigned to this project, if the contract is awarded to our company.

\_\_\_\_\_  
(Place and Date)

\_\_\_\_\_  
(The Authorized Representative)

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

BID DOCUMENTS

NAME OF PROJECT:

SECTION IX- CHECKLIST OF TECHNICAL &  
FINANCIAL DOCUMENTS

PR NO./REF. NO.:

Standard Form Number : NPCMGENSF-INFR - 08

**LIST OF EQUIPMENT, OWNED OR LEASED AND/OR UNDER PURCHASE AGREEMENTS**  
*(Based on the Minimum Equipment Required in the Bidding Documents)*

Business Name : \_\_\_\_\_  
Business : \_\_\_\_\_

Description	Model/Year	Capacity/ Performance / Size	Plate No.	Motor No. / Body No.	Location	Condition	Proof of Ownership / Lessor or Vendor
<b>A. Owned</b>							
i.							
ii.							
iii.							
iv.							
<b>B. Leased</b>							
i.							
ii.							
iii.							
iv.							
<b>C. Under Purchased Agreements</b>							
i.							
ii.							
iii.							
iv.							

Submitted by: \_\_\_\_\_

[Printed name & Signature]

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

*One of the requirements from the bidder to be included in its Technical Envelope is the list of its equipment units pledged for the contract to be bid, based on minimum equipment required in the bidding docs, which are owned (supported by proofs of ownership), leased, and/or under purchase agreements (with corresponding engine numbers, chassis numbers and/or serial numbers), supported by certification of availability of equipment from the equipment lessor/vendor for the duration of the project*

Standard Form No: NPCMGNSF-INFR-09a

### Omnibus Sworn Statement (Revised) (SOLE PROPRIETORSHIP)

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. I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];
2. 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 National Power Corporation-Mindanao Generation, as shown in the attached duly notarized Special Power of Attorney;
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. 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;
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;

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- 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]*

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**Omnibus Sworn Statement (Revised)**  
PARTNERSHIP/COOP/CORP/JOINT VENTUREREPUBLIC 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. I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];
  2. 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 National Power Corporation-Mindanao Generation, 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. *[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;

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- 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: NPCMGNSF-INFR-10

**NET FINANCIAL CONTRACTING CAPACITY (NFCC)**

- A. Summary of the Bidder's/Contractor'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 Bidder/Contractor

\_\_\_\_\_  
 Signature of Authorized Representative

Date: \_\_\_\_\_

Standard Form No: NPCMGNSF-INFR-11

**JOINT VENTURE AGREEMENT**

**KNOW ALL MEN BY THESE PRESENTS:**

That this JOINT VENTURE AGREEMENT is entered in to by and between:  
\_\_\_\_\_, of legal age, (civil status), authorized representative of  
\_\_\_\_\_ and a resident of \_\_\_\_\_.

- and -

\_\_\_\_\_, of legal age, (civil status), authorized representative of  
\_\_\_\_\_ and 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 FIRM**

**CAPITAL CONTRIBUTION**

That the capital contribution of each member firm:

**NAME OF FIRM**

**CAPITAL CONTRIBUTION**

1		PHP
2		PHP

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

*If the bidder is a joint venture, one of the requirements is the submission of a valid joint venture agreement.*



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**ACKNOWLEDGEMENT**

BEFORE ME, a Notary Public for and in \_\_\_\_\_, Philippines, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared \_\_\_\_\_ authorized representative, of \_\_\_\_\_ with Community Tax Certificate No. \_\_\_\_\_, issued at \_\_\_\_\_, on \_\_\_\_\_, AND \_\_\_\_\_ authorized representative, of \_\_\_\_\_ with Community Tax Certificate No. \_\_\_\_\_, issued at \_\_\_\_\_ on \_\_\_\_\_ known to me to be the same person who executed the foregoing instrument consisting of two (2) pages, including the page whereon the acknowledgements are written, all pages signed by both parties and their instrumental witnesses and they acknowledged before me that the same are their free and voluntary acts and deeds and that of the Corporations they represents.

WITNESS MY HAND AND NOTARIAL SEAL, at the place and on the date first above written.

Notary Public  
Until 31 December 20 \_\_\_\_\_  
PTR No. \_\_\_\_\_  
Issued at: \_\_\_\_\_  
Issued on: \_\_\_\_\_  
TIN No. \_\_\_\_\_

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series of \_\_\_\_\_

*If the bidder is a joint venture, one of the requirements is the submission of a valid joint venture agreement.*

Standard Form No: NPCMGNSF-INFR-12

## Bid Form for the Procurement of Infrastructure Projects

### BID FORM

Date : \_\_\_\_\_

Project Identification No. : \_\_\_\_\_

To: **The Vice President**  
*National Power Corporation*  
*Mindanao Generation*  
*Maria Cristina, Iligan City*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers insert numbers, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: insert name of contract;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: insert information;
- d. The discounts offered and the methodology for their application are: insert information;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of insert percentage amount percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>1</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

<sup>1</sup> currently based on GPPB Resolution No. 09-2020

Standard Form No: NPCMGNSF-INFR-12

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- J. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the National Power Corporation-Mindanao Generation.
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_



Standard Form No: NPCMGNSF-INFR-14

**SUMMARY SHEETS OF MATERIALS PRICES, LABOR RATES AND  
EQUIPMENT RENTAL RATES**

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

**I. Unit Prices of Materials**

Materials Description	Unit	Unit Price
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**II. Manpower Hourly Rates**

Designation	Rate/Hr.
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**III. Equipment Hourly Rental Rates**

Equipment Description	Rental Rate/Hr.
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\_\_\_\_\_  
Name, Signature of Authorized Representative

\_\_\_\_\_  
Designation

**Performance Securing Declaration (Revised)**

*[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]*

REPUBLIC OF THE PHILIPPINES)  
 CITY OF \_\_\_\_\_ ) S.S.

**PERFORMANCE SECURING DECLARATION**

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]  
 To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
  - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
    - i. Procuring Entity has no claims filed against the contract awardee;
    - ii. It has no claims for labor and materials filed against the contractor; and
    - iii. Other terms of the contract; or
  - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

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

*[Insert NAME OF BIDDER OR ITS  
 AUTHORIZED REPRESENTATIVE]  
 [Insert signatory's legal capacity]  
 Affiant*

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

**Contract Agreement Form for the**

**Procurement of Infrastructure Projects (Revised)**

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

**CONTRACT AGREEMENT**

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the "Entity") and *[name and address of Contractor]* (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called "the Works") and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

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

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and
- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

for:

for:

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

**Acknowledgment**

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



Republic of the Philippines



Government Procurement Policy Board