

Proj. Ref. No.: **BAC1-2023-11-0116**

Opening of Bids: **21 December 2023**

End-User: **OFFICE OF THE ENGINEERING & TECHNICAL SERVICES**  
Project: **REPAIR AND REWIRING OF ELECTRICAL  
FEEDER LINE FOR THE CANCER INSTITUTE  
BUILDING, PGH**

ABC: **PHP21,143,155.42**

Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in figures	in words
1	1	lot	<b>REPAIR AND REWIRING OF ELECTRICAL FEEDER LINE FOR THE CANCER INSTITUTE BUILDING, PGH</b>	21,143,155.42		
			<p>GENERAL PROJECT INFORMATION</p> <p>1. PROJECT DESCRIPTION</p> <p>1.1. Project Title: REPAIR &amp; REWIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING</p> <p>1.2. Definition of Terms</p> <p>a. UNIVERSITY shall mean the University of the Philippines (UP)</p> <p>b. HOSPITAL shall mean the Philippine General Hospital (PGH)</p> <p>c. END-USER shall mean the Office of engineering and Technical Services (OETS), UP-PGH</p> <p>d. IMPLEMENTING AGENCY shall mean the University of the Philippines Philippine General Hospital (UP-PGH).</p> <p>e. CONTRACT shall mean the written agreement entered into between the UNIVERSITY and the CONTRACTOR engaged for the implementation of the PROJECT.</p> <p>f. CONTRACT DOCUMENTS shall mean the agreements or CONTRACTS, including General</p>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

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		<p>Conditions and Special Conditions, as well as any and all documents which are referred to in the CONTRACTS as CONTRACT DOCUMENTS, or any modifications, revisions or alterations authorized by the HOSPITAL and agreed to by the CONTRACTOR during negotiation.</p> <p>g. REPAIR shall mean the delivery of all necessary electrical and engineering designs, materials, labor and equipment in accordance with the HOSPITAL- approved design brief and specifications of the PROJECT, performed within a specified CONTRACT duration. This includes all the works/activities and/or scope of works to be performed and completed, as well as any revisions, alterations and any extra work ordered to be done by the HOSPITAL to the CONTRACTOR.</p> <p>h. CONTRACTOR shall mean the individual, sole proprietorship, partnership or corporation engaged by the HOSPITAL to execute the PROJECT through the delivery of architectural and engineering design, materials, labor and equipment in accordance with the HOSPITAL- approved plans, specifications and bill of quantities of the PROJECT, performed within a specified CONTRACT duration.</p> <p>i. PROJECT SITE shall mean the place or area where the REPAIR WORK is or will be carried out.</p> <p>1.3. General Description</p> <p>Within the esteemed halls of the Philippine General Hospital - Cancer Institute, a legacy of</p>			
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		<p>healing and care has flourished for years. Yet, even the most stalwart Institutions encounter technical challenges. An aged segment of conductor wires, faithful in service but succumbing to the passage of time, triggered a disruptive short circuit. Central to this endeavor is the repair and rewiring of the feeder line, spanning from the central block's electrical room to the dedicated electrical room In the Cancer Institute.</p> <p>The project aims to undertake a thorough rehabilitation and rewiring initiative for the electrical feeder line serving the Cancer Institute Building. Recognizing the critical importance of a reliable and safe electrical infrastructure in a healthcare facility, this project seeks to address existing deficiencies, enhance system resilience, and ensure the uninterrupted supply of power to support the vital operations of the Cancer Institute.</p> <p>1.4. Project Components</p> <p>The project shall have the following basic components:</p> <p>a) As-found plans for the area as basis for repair &amp; re-wiring. This shall include/indicate utility lines that will be affected by the project for proper and complete documentation. b) Coordination with the Office of Engineering and Technical Services (OETS) of the PGH for utility requirements and permits. c) Coordination with the PGH police for access and other permits.</p>			
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		<p>d) Aside from the Architectural and Engineering professional design fees, other incidental expenses that are also to the account of the winning bidder shall include necessary site tests, surveys and other design and repair requirements.</p> <p>e) Compliance with all applicable permits/licensing and documentary requirements of the local government (LGU), the HOSPITAL and the UNIVERSITY.</p> <p>1.5. Project objective To provide an immediate repair and rewiring of the damaged feeder line cable and system serving the Cancer Institute Building, ensuring increased safety, reliability, and efficiency while accommodating current electrical demands.</p> <p>1.6. Project Conceptual Design The proposed project is composed of two (2) divisions simultaneously.</p> <p>a) Work Package 1: Cancer Institute building electrical room to cancer institute elevator panel board (Padre Faura side)</p> <p>b) Work Package</p> <p>2: Central block electrical room to cancer institute building electrical room.</p> <p>2. SCOPE OF WORK</p> <p>In compliance with the Architectural and Engineering Design and these Terms of</p>			
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		<p>Reference, the CONTRACTOR shall perform the remaining work as follows.</p> <p>The Bidder, by submitting his Proposal, represents that</p> <p>a) He/She has thoroughly read or examined carefully and understands fully all the proposal documents and his proposal will be in accordance therewith.</p> <p>b) His Proposal is based upon the conditions and requirements of the proposal documents without exception.</p> <p>c) He/She shall include in the proposal their reference of guidelines for restoration for the structure.</p> <p>d) He/She has visited and inspected the Site of Works and its surroundings and has determined for and satisfied himself as to all matters pertaining to the project, including the location and the nature of the work; climatic conditions, the nature and condition of the terrain: geological conditions at the site, transportation and communication facilities; the requirement and the availability of materials, labor, water, electric power and roads: the locations and extent of aggregate sources, and other factors that may affect the cost, duration and execution of the work, that he has determined the general characteristics of the project and the conditions indicated above.</p> <p>e) He/She has acquainted and familiarized himself with all conditions, local or otherwise, affecting the carrying out of the contract work and has arrived at an estimate of the facilities</p>			
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		<p>available and the facilities needed for the project.</p> <p>f) He/She has familiarized himself with all laws, decrees, regulations of the Philippines and the Local Government, which may affect or apply to the operations and activities of the contractors.</p> <p>g) He/She has conducted an actual site survey of the project area preliminary identifying the limitations of land utilization. In the process, he shall be able to familiarize himself with the site and its surroundings.</p> <p>h) He/She has determined existing infrastructure, facilities, utilities, etc., which may have a bearing on the planning and design consideration; The bidder shall identify/locate the existing utilities at the site, namely:</p> <p>2.1. Repair &amp; re-wiring scope of works</p> <p>a) Conduct a comprehensive assessment of the existing feeder line infrastructure and its capacity.</p> <p>b) Coordinate with other trades involved in the project to ensure seamless integration of electrical components.</p> <p>c) Provide thorough documentation of all design drawings, material specifications, test results, and maintenance schedules.</p> <p>d) Coordinate with local authorities and regulatory bodies to ensure compliance with electrical codes and regulations.</p> <p>e) Summarize the electrical summary reports and benefits in the project's</p>			
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			<p>conclusion, highlighting the improved reliability and capacity of the feeder line infrastructure.</p> <p>2.2. Civil scope of works</p> <ul style="list-style-type: none"> <li>a) Develop detailed project plans for underground cabling.</li> <li>b) Erecting and dismantling scaffolding for installation of conduit and support.</li> <li>c) Marking of trenching path for conduit installation.</li> <li>d) Construction of an additional manhole.</li> <li>e) Ensure proper trench dimensions, depth, and alignment and</li> <li>f) Restoration of all excavated affected areas.</li> </ul> <p>2.3. Electrical scope of works</p> <ul style="list-style-type: none"> <li>a) Perform all electrical works in accordance with the approved Specifications, Plans, and governing Codes and Regulations, such as latest Philippine Electrical Code</li> <li>b) Develop detailed engineering designs for the rewiring and re-routing of the feeder line, considering future load requirements and safety regulations.</li> <li>c) Specify the type, size, and quantity of wires, cables, conduits, and other electrical components.</li> <li>d) Install new wires, cables, and conduits according to the approved design.</li> </ul>			
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			<p>e) Integrate new components with existing electrical systems, including distribution panels, circuit breakers, and other control devices.</p> <p>f) Provide proper support of panel board as detailed in the Plans and g) Perform all electrical testing before energization.</p> <p>2.4. Inspection, Testing, and Energization works</p> <p>a) Collaborate with the Office of Engineering and Technical Services (OETS) to schedule an inspection of the electrical installations.</p> <p>b) Ensure that all necessary preparatory work is completed before inviting OETS for inspection.</p> <p>c) Initiate the designated testing procedures, including insulation resistance tests, continuity tests, voltage drop tests, and more.</p> <p>d) Collaborate with OETS to witness the testing process and verify accurate results.</p> <p>e) Submit a risk management plan to OETS &amp; OHS to address potential electrical hazards and disruptions.</p> <p>2.5. Monitoring &amp; Maintenance Plan</p> <p>a) Develop a comprehensive maintenance plan for the upgraded electrical system, outlining regular</p>			
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			<p>inspections, preventive maintenance, and troubleshooting procedures.</p> <p>b) Develop time base maintenance of all installed equipment, cable, and other necessary electrical installed materials.</p> <p>2.6. Mobilization &amp; Demobilization</p> <p>a) Mobilization shall include obtaining and transporting Jobsite equipment, materials, tools personnel, construction plant, and all necessary items for the execution and completion of the work and shall also include the setting up and verification of all equipment and instruments unit it is rendered operable.</p> <p>b) Demobilization shall include dismantling and removal from the site of the Contractor's materials and equipment and all temporary facilities. It shall also include a clean-up of the site after completion.</p> <p>2.7. Permits</p> <p>a) The CONTRACTOR is responsible for processing the required permit for energization and inspection by relevant government agencies.</p> <p>3. Project deliverables</p> <p>3.1. Pre-repair &amp; re-wiring works</p>			
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			<p>3.1.1. Submission of shop drawings</p> <p>Contractor must submit drawing shop drawings before initiation of the project to be approved by Office of Engineering Technical Services (OETS)</p> <p>3.1.2. Project Cost Estimates</p> <p>The Bidder shall prepare and submit for the purpose of the Bill of Quantities (BOQ) in this contract, a detailed estimate in accordance with the limit available on the Approved Budget for the Contract.</p> <p>3.1.3. Detailed Unit Price Analysis</p> <p>The Bidder shall draw up a unit price analysis for each of the pay items</p> <p>3.1.4. Methodology and Specification</p> <p>The Bidders are to submit a full methodology and specifications as part of their tender.</p> <p>3.2. Repair &amp; re-wiring phase</p> <p>3.2.1. Reports</p> <p>a) Weekly Progress Report</p> <p>b) Monthly Progress Report</p>			
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			<p>3.2.2. Daily Logbook</p> <ul style="list-style-type: none"> <li>a) Material Delivery Log</li> <li>b) Manpower Log</li> <li>c) Equipment at Site Log</li> <li>d) Weekly Statement of Time Elapsed</li> <li>e.) Weather Log/Report</li> </ul> <p>3.2.3. Environmental, Safety and Health Program</p> <p>Provide a safety protocol plan for the PROJECT. Practice full compliance of the safety, health and environment provisions including providing all necessary and required protective equipment for all workmen carrying out the Works.</p> <p>3.2.4. As Built Plans</p> <p>The General Contractor shall prepare and submit as-built plans duly signed and sealed by the corresponding Engineer in the same sheet size and scale as the original drawings in two (2) reproducible copies. Electronic Copies of the As-built contract drawings shall also be submitted. The PDF format files shall be delivered with the CAD or BIM Files.</p> <p>The CONTRACTOR shall do the preparation and submission of as- built plans duly signed and sealed by a professional electrical engineer in the same sheet size and scale as the original drawings in four (4) reproducible</p>			
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			<p>copies for application of Certificate of Electrical Inspection (CEI).</p> <p>3.3. Eligibility and Criteria</p> <p>General Contractor Requirements</p> <p>A local Construction Company with extensive experience in the area of electrical installation &amp; retrofitting and general construction as well as site development with the following credentials:</p> <p>a) Must be operating for at least ten (10) years.</p> <p>b) Must have previously handled/managed at least three (3) project involving electrical retrofitting, electrical construction, general construction private or in public entities with building construction.</p> <p>c) Must have a PCAB license with AAA Category or Special PCAB License in case of Joint Venture</p> <p>d) Key Personnel Requirements</p> <p>The General Contractor should be able to supply the following key personnel:</p> <p>1) Project Manager/Professional Electrical Engineer</p> <p>a) Currently Employed by the General Contractor.</p> <p>b) Must be a licensed electrical engineer for at least eight (8) years.</p>			
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			<p>c) Must have handled electrical renovation &amp; construction or substation upgrade projects.</p> <p>2) Project Electrical Engineer</p> <p>a) Currently Employed by the General Contractor.</p> <p>b) Must be a licensed electrical engineer for at least four (4) years.</p> <p>c) Must have handled electrical renovation &amp; construction or substation upgrade projects.</p> <p>3) Civil Engineer</p> <p>a) Currently employed by the General Contractor</p> <p>b) Must be a licensed civil engineer for at least four (4) years</p> <p>c) Must have handled renovation or construction projects</p> <p>4) General Foreman</p> <p>a) Currently employed by the General Contractor.</p> <p>b) Must be a Registered Master Electrician or carrying an updated National Certificate II - TESDA Certificate for at least four (4) years.</p> <p>c) Must have handled electrical renovation projects.</p> <p>5) Health &amp; Safety Officer</p> <p>a) Currently employed by the General Contractor.</p> <p>b) Must have a valid BOSH and/or COSH certificate of training.</p>			
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			<p>c) Must have at least three (3) years experience handling electrical renovation project or construction.</p> <p>4. APPROVED BUDGET OF THE CONTRACT (ABC)</p> <p>Approved budget for the Repair &amp; Re-wiring of the electrical feeder line for cancer institute building is Twenty-One Million One Hundred Forty-Three Thousand One Hundred Fifty- Five and 42/100 (21,143,155-42). This sum encompasses general requirements, licenses &amp; permits, blueprints, design, builder's compensation, labor, supplies and machinery, unforeseen expenses, as well as a twelve percent (12%) Value added tax (VAT) and other taxes imposed by the government.</p> <p>Warranty</p> <p>The Winning Bidder shall guarantee the completed Project for the period of one- year (Defects Liability Period) from the issuance of Certificate of Acceptance, except for defects and failures occasioned due to force majeure and those by third parties.</p> <p>5. PROJECT TIMELINE &amp; SCHEDULE</p> <p>The approved timeline for this project is 63 calendar days including the procurement of all materials.</p>			
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			<p>6. PROGRESS PAYMENTS</p> <p>a) The Contractor may submit a request for payment for Work accomplished. Such request for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Materials and equipment delivered on the site but not completely installed or put in place shall not be included in the payment.</p> <p>b) The first progress payment may be paid by the Procuring Entity to the Contractor provided that at least twenty percent (20%) of the work has been accomplished as certified by the PGH Representative.</p> <p>c) Items of works which price "0" (zero) has been entered will not be paid for Procuring Entity or PGH Administration and shall be deemed covered by other rates and prices in the Contract.</p> <p>7. LIQUIDATED DAMAGES</p> <p>The contractor shall pay the liquidated damages to the Procuring Entity for each day that the Completion Date is later than the intended Completion Date. The applicable liquidated damages is at least one-tenth (1/10) of a percent of cost of the unperformed portion for every day of delay. The total amount of liquidated damages shall not exceed ten percent (10%) of the amount of the contract. The</p>			
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		<p>Procuring Entity may deduct the liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of this Contract, the Procuring Entity may rescind or terminate this Contract, without prejudice to other courses of action and remedies available under the circumstances.</p> <p>8. INSURANCE</p> <p>The Contractor shall, under his name and at his own expense, obtain and maintain, for the duration of this Contract, the following insurance coverage:</p> <ul style="list-style-type: none"><li>1. Performance Bond.</li><li>2. Contractor's All Risk Insurance.</li><li>3. Transportation to the project site of Equipment, Machinery, Supplies owned by the Contractor.</li><li>4. Personal injury or death of Contractor's employees; and</li><li>5. Comprehensive insurance for third party liability to Contractor's direct or indirect or omission causing damage to third persons.</li></ul>			
Total Approved Budget for the Contract:			PHP21,143,155.42		

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## BILL OF QUANTITIES

<b>Project Title : REPAIR &amp; RE-WIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING</b>					
<b>Location : Philippine General Hospital Compound Taft Ave., Ermita, Manila</b>					
<b>Duration : 63 calendar days</b>					
Item No.	Description	Qty	Unit	Unit Cost	Total Amount
1	GENERAL REQUIREMENTS				2,654,900.00
2	Mobilization	1	lot	300,000.00	300,000.00
3	Demobilization	1	lot	300,000.00	300,000.00
4	Temporary Facilities	1	lot	450,000.00	450,000.00
5	Engineering Supervision Site Supervisor	1	lot	800,000.00	800,000.00
6	Tools and Insurance	1	lot	650,000.00	650,000.00
7	As-Built Drawing/Shop Drawing & Maintenance Plan	1	lot	100,000.00	100,000.00
8	Government Permit	1	lot	50,000.00	50,000.00
<b>II - ELECTRICAL WORKS</b>					
<b>Work package 1: Cancer Institute Building EE Room to Elevator Panel Board (P-Floor Side)</b>					
<b>A</b>					
1	Supply of Labor, Tools, and Technical Expertise for the Retrofitting of 600A MCCB at Elevator Panel	1	unit	145,000.00	145,000.00
2	Supply of Labor, Tools, and Technical Expertise for the Retrofitting of 600A MCCB at Cancer Institute EE Room	1	unit	145,000.00	145,000.00
3	Supply and Installation of the following: 3 - 2 set of 250 mm <sup>2</sup> + 30 mm <sup>2</sup> (C) in 100 mm IMC Fabrication/assembly of cable supports and pullbox Layout of IMC pipe and secondary cable with TERTIAL AND COMMUNICATIONS				
	250 mm <sup>2</sup> THHN/THWN 600V Secondary Cable	510	mm	2,299.00	1,174,590.00
	10 mm <sup>2</sup> THHN/THWN Ground Wire	85	mm	366.00	31,110.00
	4" IMC Pipe w/ coupling	29	pcs	10,627.00	308,183.00
	Pullbox 300 x 400mm	10	pcs	6,845.00	68,450.00
	4" Lock Nut	80	pcs	75.00	6,000.00
	4" Packing	40	pcs	230.00	9,200.00

REPAIR RE-WIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING

Page 3 of 5

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-11-0116**

Opening of Bids: **21 December 2023**

End-User: **OFFICE OF THE ENGINEERING & TECHNICAL SERVICES**  
Project: **REPAIR AND REWIRING OF ELECTRICAL  
FEEDER LINE FOR THE CANCER INSTITUTE  
BUILDING, PGH**

ABC: **PHP21,143,155.42**

Contract: **SINGLE BID**

Project Title : REPAIR & RE-WIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING						
Location : Philippine General Hospital Compound Taft Ave., Ermita, Manila						
Duration : 63 calendar days						
Item No.	Description	Qty	Unit	Unit Cost	Total Amount	
1.1	Angle Bar 3/8" x 1 1/2" x 6m	15	pcs	3,400.00	51,000.00	
1.2	4" Unidist C Channel	15	pcs	1,345.00	20,175.00	
1.3	4" Unidist Clamp	150	pieces	65.00	9,750.00	
1.4	1/2" Anchor Group	150	pcs	50.00	7,500.00	
1.5	1/2" Hexagonal Nut & 1/2" Hexagonal Washer	150	pcs	34.00	5,100.00	
1.6	1/2" Drill Threaded Bar	10	pcs	910.00	9,100.00	
1.7	1/2" Metal Drill Bit & 1/2" Masonry Drill Bit	10	pcs	1,000.00	10,000.00	
1.8	1/2" Metal Drill Bit & 3/16" Masonry Drill Bit	10	pcs	540.00	5,400.00	
1.9	Working Band	10	pcs	270.00	2,700.00	
1.10	14" Cutting Disc	5	pcs	280.00	1,400.00	
1.11	4" Cutting Disc	10	pcs	100.00	1,000.00	
1.12	3/8" Wire 3/16	5	kg	27.00	135.00	
1.13	Cable Pulling Compartment	2	gals	4,250.00	8,500.00	
1.14	Cable Tie (Bag)	30	pieces	425.00	12,750.00	
1.15	RVH Electrical Tape	5	pcs	600.00	3,000.00	
1.16	Primer Paint	0	gals	3,425.00	0.00	
1.17	Hypon Shot Group	0	gals	715.00	0.00	
1.18	Locust Primer	5	gals	350.00	1,750.00	
1.19	Paint Brush 4"	10	pcs	170.00	1,700.00	
1.20	Paint Brush 2"	10	pcs	100.00	1,000.00	
1.21	Consumables	1	lot	87,000.00	87,000.00	
1.22	Work package 2: Control Block EE Room to Cancer Institute Building 3F Room				6,110,250.00	
1.23	Supply and Installation of 1000A Enclosed Circuit Breaker-Control Block					
1.24	1000A, 3P 480V, 70KVAR ABB MCCB IN NEMA-1 ENCLOSURE, W/4.3 MOUNTED, BOUND, ABB COMPLETE WITH 3 X SETS OF 250MM2 MECHANICAL CLOS	1	unit	413,000.00	413,000.00	
1.25	with TESTING AND COMMISSIONING					

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ABC: **PHP21,143,155.42**

Contract: **SINGLE BID**

Project Title : REPAIR & RE-WIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING					
Location : Philippine General Hospital Compound Taft Ave., Ermita, Manila					
Duration : 63 calendar days					
Item No.	Description	Qty	Unit	Unit Cost	Total Amount
2	Supply and Installation of MDP Panel- Cancer Institute EE Room 400V, 1P + CHECKING IN THE MAIN ELECTRICAL, FREE WIRING, Panel: 400V COMPLETE WITH 1.5 METERS OF 250MM <sup>2</sup> MECHANICAL LUGS with TESTING AND COMMISSIONING 1 unit Main: 1000A, 3P, 400V, 75KVA, 1.5M <sup>2</sup> Branch: 5,000A, 3P, 400V 1-250A, 3P, 400V 1-150A, 3P, 400V	1	unit	750,000.00	750,000.00
3	Supply and Installation of the following: 3 - 1 set of 250 mm <sup>2</sup> x 60 mm <sup>2</sup> (51) to 80 mm <sup>2</sup> BAC Fabrication/assembly of cable supports and pullbox Layout of BAC pipe & secondary cable with TESTING AND COMMISSIONING				
	250 mm <sup>2</sup> THHN/THWN 400V Secondary Cable	2200	mtr	2,250.00	4,950,000.00
	60 mm <sup>2</sup> THHN/THWN Green Wire	715	mtr	430.00	307,650.00
	3" DML Pipe as complete	245	pcr	3,440.00	842,800.00
	Pullbox 300 x 400mm	15	pcr	6,475.00	97,125.00
	3" Lock Nut	180	pcr	60.00	10,800.00
	3" Banding	50	pcr	180.00	9,000.00
	Angle Bar 3/16 x 1 1/2 x 6m	25	pcr	3,400.00	85,000.00
	3" Unistrut C Channel	25	pcr	1,100.00	27,500.00
	3" Unistrut Clamp	340	pcr	55.00	18,700.00
	1/2" Anchor Bolt	340	pcr	55.00	18,700.00
	1/2" Hexagonal Nut & 1/2" Hexagonal Washer	340	pcr	34.00	11,560.00
	1/2" Full Threaded Round Bar	20	pcr	3,090.00	61,800.00
	1/2" Metal Drill Bit & 1/2" Masonry Drill Bit	10	pcr	1,000.00	10,000.00
	5/16" Metal Drill Bit & 5/16" Masonry Drill Bit	10	pcr	340.00	3,400.00
	Welding Rod	10	kg	230.00	2,300.00
	14" Cutting Disc	10	pcr	200.00	2,000.00
	4" Cutting Disc	15	pcr	100.00	1,500.00
	CR Wire #16	2	kg	25.00	50.00
	Cable Pulling Compound	2	kg	4,500.00	9,000.00
	Cable Tie (8kg)	10	pcr	425.00	4,250.00
	RVN Electrical Tape	15	pcr	650.00	9,750.00
	Primer Paint	12	gals	1,425.00	17,100.00

REPAIR AND RE-WIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING

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Location	: Philippine General Hospital Compound Taft Ave., Ermita, Manila					
Duration	: 63 calendar days					
Item No.	Description	Qty	Unit	Unit Cost	Total Amount	
	Bayonet Silver Clamp	12	pc/s	713.00	8,556.00	
	Escaper Terminal	6	pc/s	350.00	2,100.00	
	Panel Break 4"	30	pc/s	370.00	11,100.00	
	Panel Break 2"	20	pc/s	350.00	7,000.00	
4	Cementitious	1	lot	90,000.00	90,000.00	
III	CIVIL WORKS				2,751,840.00	
	OUTSIDE BLDG.					
	Concrete reinforcement					
	Excavation works (1.3m depth from NGL)	148	cums	1,350.00	199,800.00	
	Backfilling works & compaction	123	cums	925.00	113,775.00	
	Handling & disposal	1	lot	25,000.00	25,000.00	
	Formwork	143	sqm	1,800.00	257,400.00	
	Rebar 10mm dia	1875	kg	145.00	271,875.00	
	Concrete	78	cums	7,100.00	553,800.00	
	Gravel bedding 100mmthk	10	cums	5,250.00	52,500.00	
	Concrete spacer above 3.3m	78	sqm	3,000.00	234,000.00	
	Rebar 10mm dia	110	kg	145.00	15,950.00	
	concrete spacer intermediate	30	pc/s	800.00	24,000.00	
	concrete spacer base	25	pc/s	800.00	20,000.00	
	Manhole (1.5m dia) 1.5x1.5x1.2m ht	7	cums	1,350.00	9,450.00	
	Excavation works	1	lot	1,900.00	1,900.00	
	Handling & disposal	1	lot	1,900.00	1,900.00	
	Formwork	5	sqm	1,800.00	9,000.00	
	Rebar	591	kg	145.00	85,695.00	
	1.5m dia abt wall	35	sqm	3,300.00	115,500.00	
	Concrete	2	cums	7,100.00	14,200.00	
	Gravel bedding 100mmthk	5	cums	5,250.00	26,250.00	
	Plastering	40	sqm	1,350.00	54,000.00	
	Excavation works	10	sqm	2,000.00	20,000.00	
	INSIDE BLDG (OFFICE ROOMS)					
	Concrete reinforcement (including concrete spacer every)					
	Excavation works (1.3m depth from NGL)	7	cums	1,350.00	9,450.00	
	Backfilling works & compaction	6	cums	925.00	5,550.00	
	Handling & disposal	1	lot	2,500.00	2,500.00	
	Formwork	5	sqm	1,800.00	9,000.00	
	Rebar 10mm dia	42	kg	145.00	6,090.00	

REPAIR AND RE-WIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING

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Location : Philippine General Hospital Compound Taft Ave., Ermita, Manila					
Duration : 63 calendar days					
Item No.	Description	Qty	Unit	Unit Cost	Total Amount
1	Concealing	2	sqm	7,191.00	14,382.00
2	Installed backing, 100mm thick	5	sqm	5,230.00	26,150.00
3	IMC above 1"	20	pcs	2,750.00	55,000.00
4	IMC coupling 1"	20	pcs	1,350.00	27,000.00
5	IMC end lock 1"	10	pcs	175.00	1,750.00
6	IMC accessories	1	lot	10,250.00	10,250.00
7	Installation tools	4	lot	5,000.00	20,000.00
8	Concrete repair every 3.0m	7	kg	145.00	1,015.00
9	Concrete repair intermediate	25	kg	880.00	22,000.00
10	Concrete repair base	4	kg	880.00	3,520.00
SUMMARY					
GENERAL REQUIREMENTS					2,650,000.00
ELECTRICAL WORKS					10,525,025.00
Work package 1: C.I. 13: Room to Elevator Panel Board					2,091,375.00
Work package 2: C.I. 13: Room to Control Block EE Room					8,433,650.00
CIVIL WORKS					2,254,860.00
TOTAL DIRECT COST					15,271,165.00

REPAIR AND REWIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING

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<b>Location : Philippine General Hospital Compound Taft Ave., Ermita, Manila</b>					
<b>Duration : 63 calendar days</b>					
Item No.	Description	Qty	Unit	Unit Cost	Total Amount
	<b>Indirect Cost</b>				
	Overhead, Contingencies and Misc.				1,832,797.88
	Contractor Profit				1,221,664.28
	Value Added Tax (VAT) (12%)				2,199,357.36
	<b>TOTAL INDIRECT COST</b>				<b>5,254,820.36</b>
	<b>TOTAL PROJECT COST</b>				<b>20,527,335.36</b>
	<b>Administrative Cost</b>				<b>855,820.00</b>
	<b>TOTAL BUDGET COST</b>				<b>21,143,155.42</b>

**Project Title:** REPAIR AND RE-WIRING OF ELECTRICAL FEEDER LINE FOR CANCER INSTITUTE BUILDING  
**Project Duration:** SIXTY-THREE (63) CALENDAR DAYS

Task Name	Duration (Days)	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
<b>General Requirements</b>										
Procurement	14									
Construction	7									
Temporary facilities	30									
Indirect training and shop drawing	28									
<b>Work package 1: Cancer Institute building electrical room to elevator panel board</b>	32									
Supply and installation of equipment to elevator panel board	14									
Supply and installation of conduit and cable	20									
Replacement of BMS MCBs at Cancer Inst.	14									
Supply and installation of damaged extension boxes	14									
Replacement of BMS MCBs at Cancer Institute electrical room	20									
Testing and commissioning	7									
<b>Work package 2: Cancer Inst. electrical room to Cancer Institute Building physical room</b>	32									
Supply of cable & accessories	14									
Supply and installation of equipment for physical room	14									
Supply and installation of materials and cable	20									
Supply and installation of MCB panel at Cancer Institute room	20									
Installed Circuit Breaker at Control Room	14									
Testing and commissioning	7									
Close out & Demobil	14									
<b>Total</b>	<b>63</b>									

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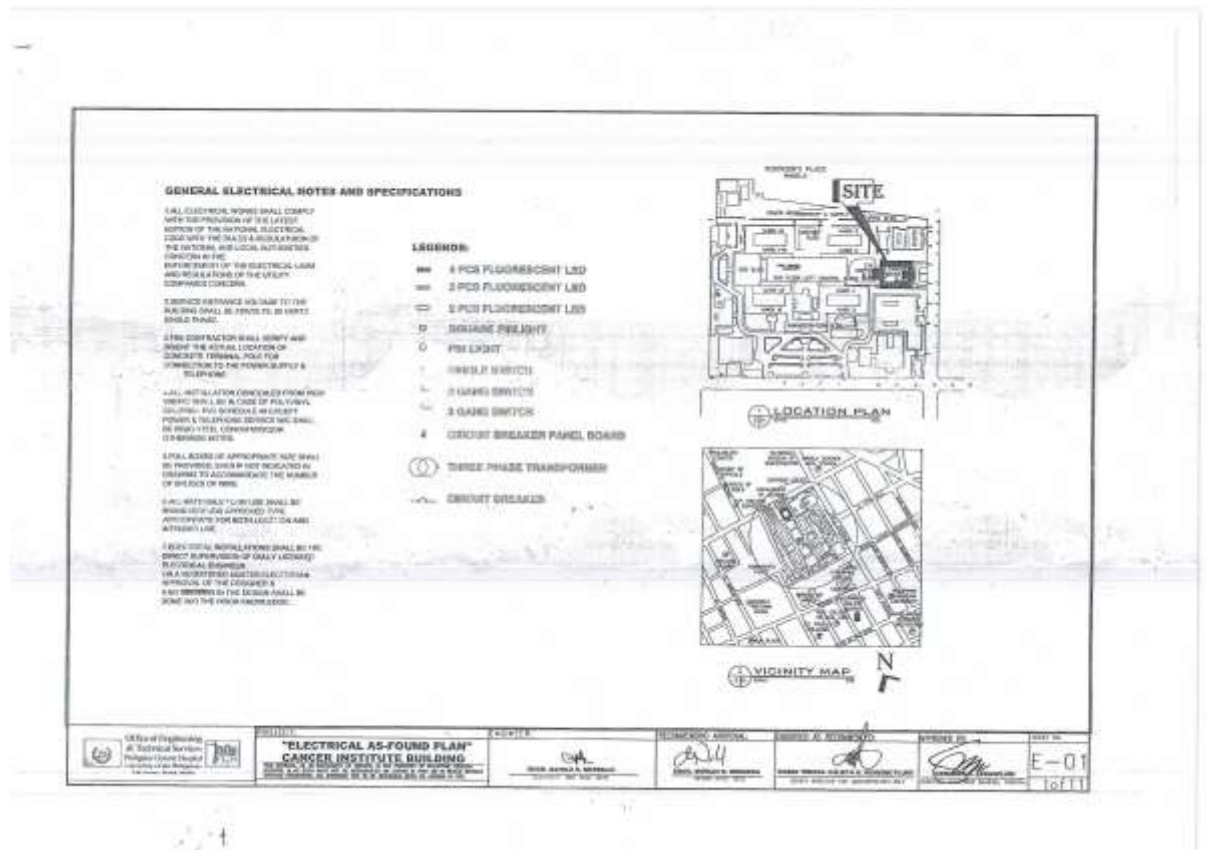
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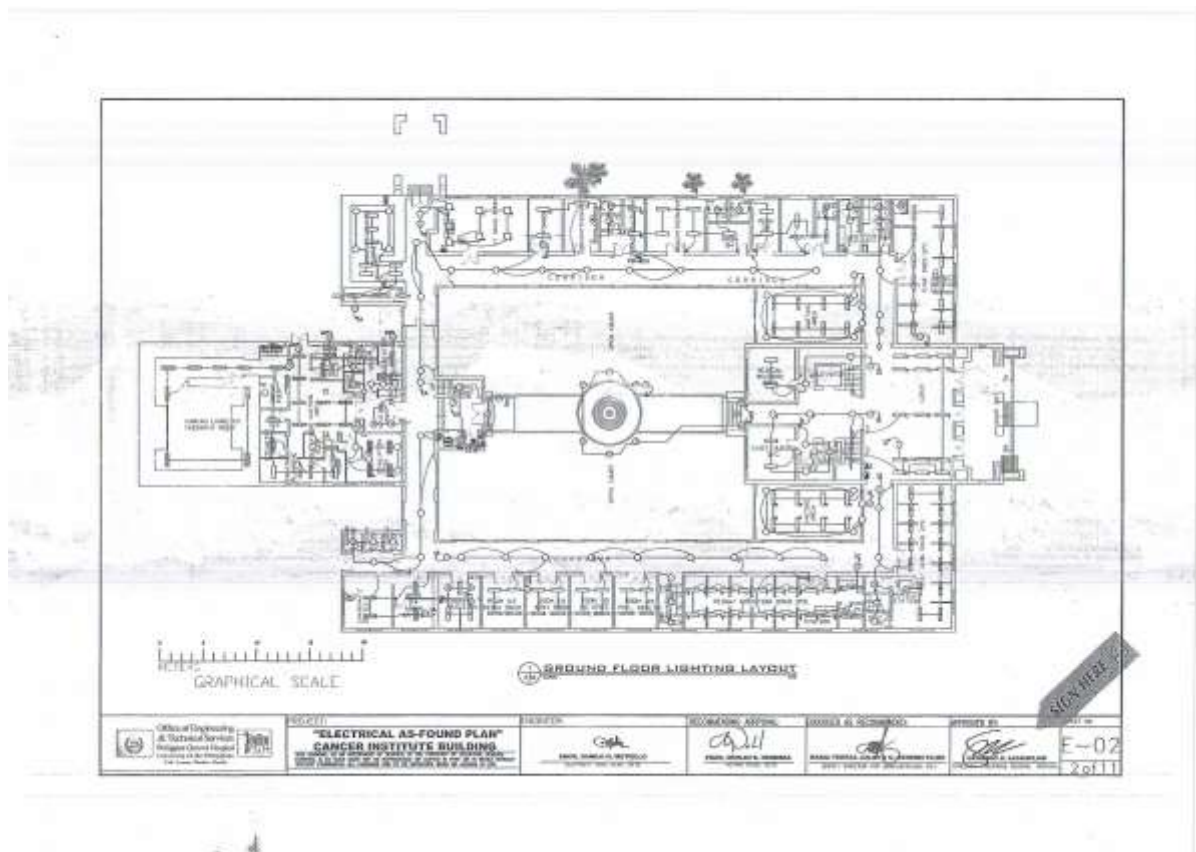
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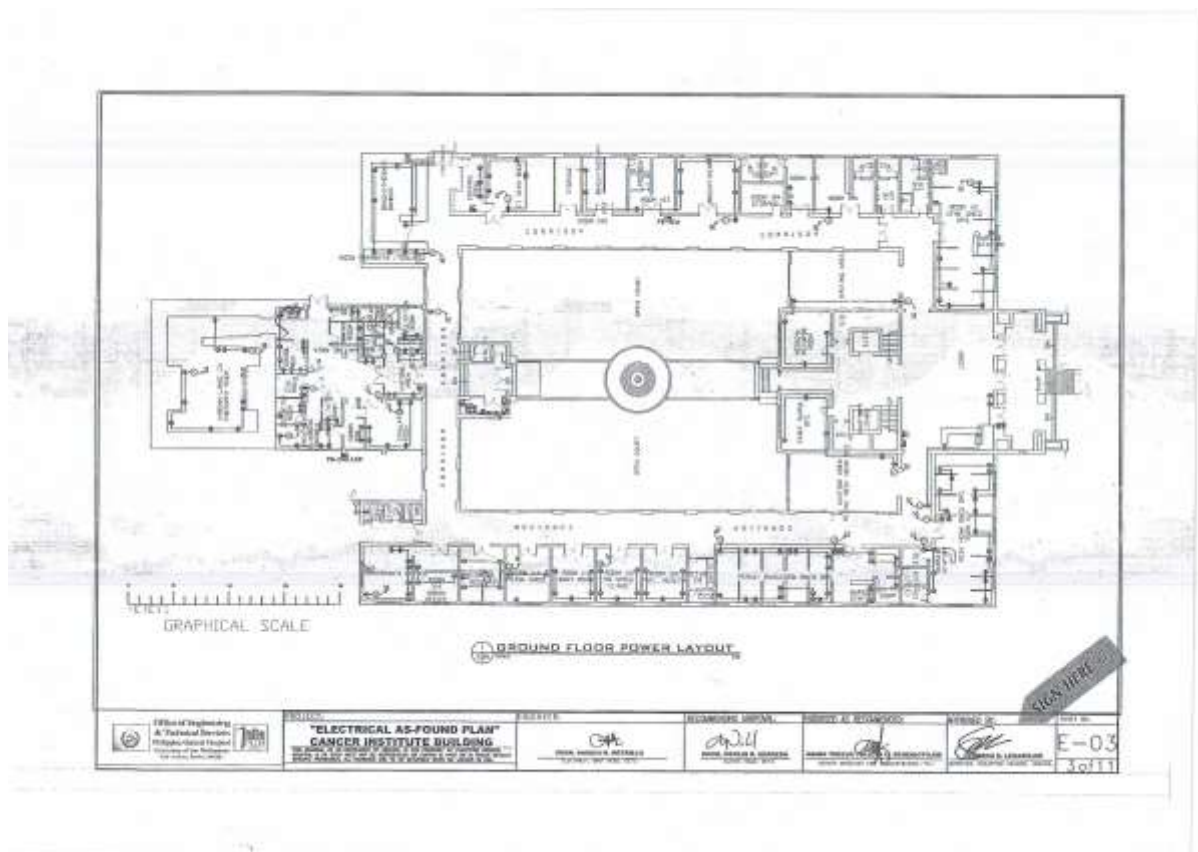
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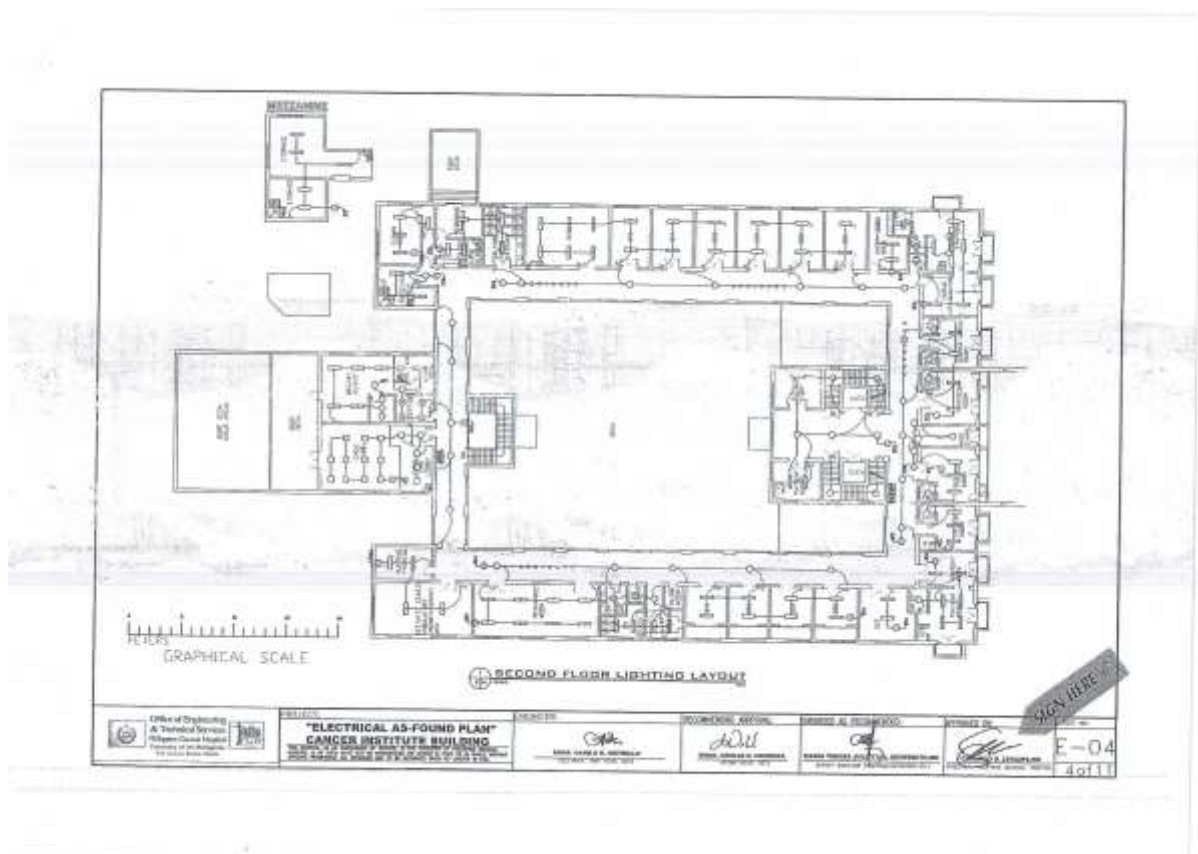
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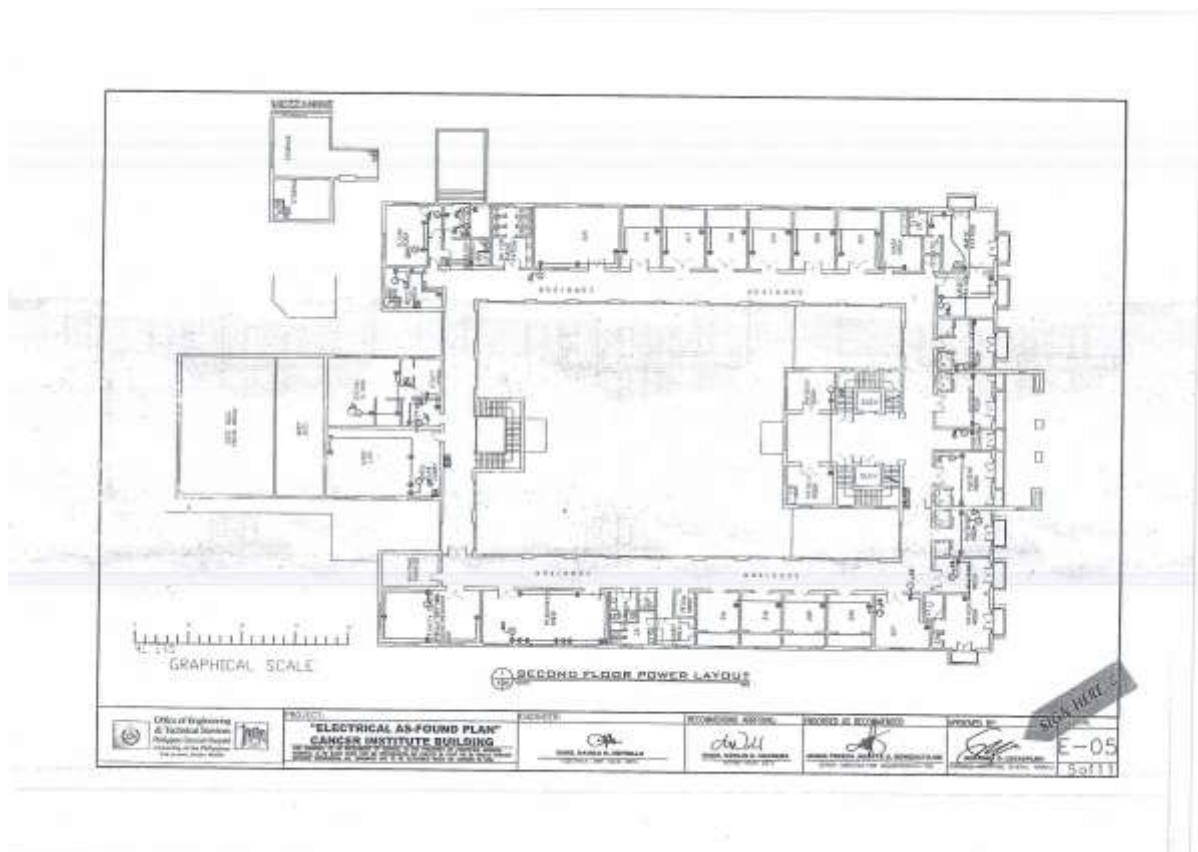
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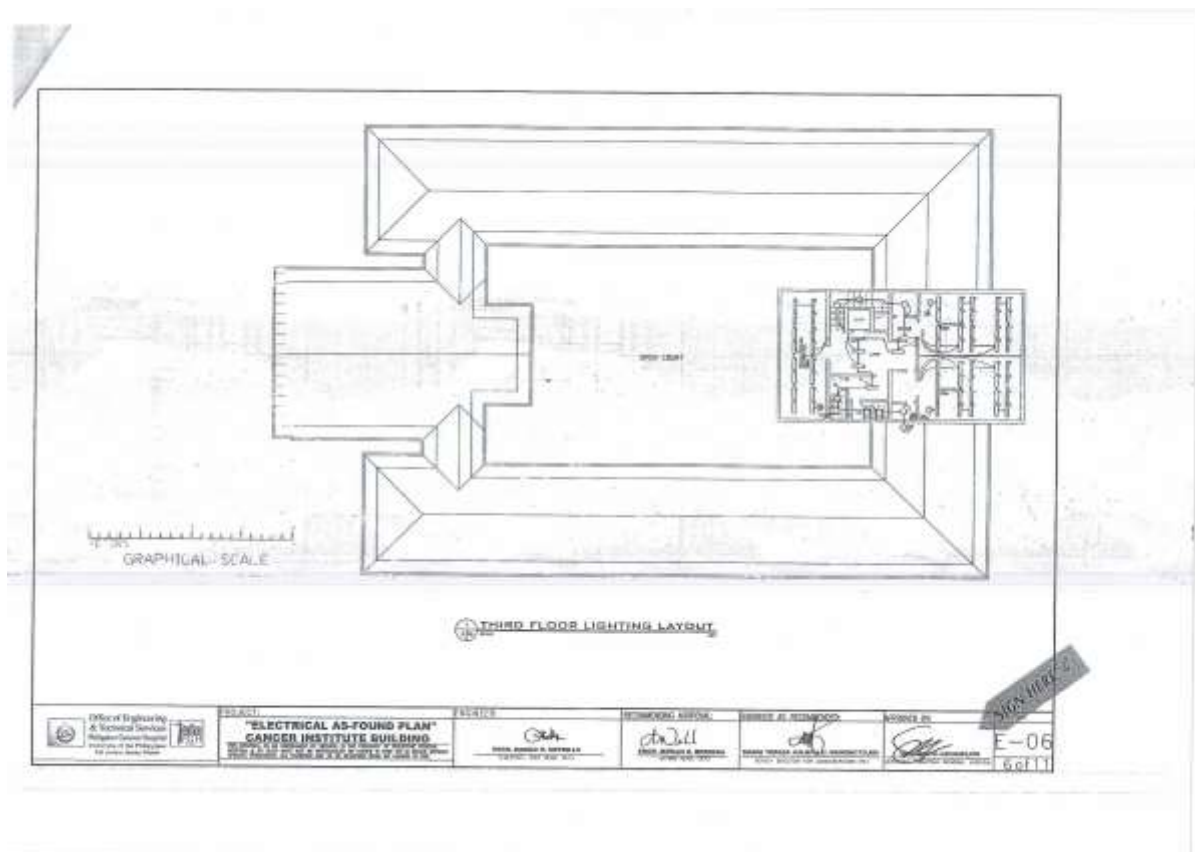
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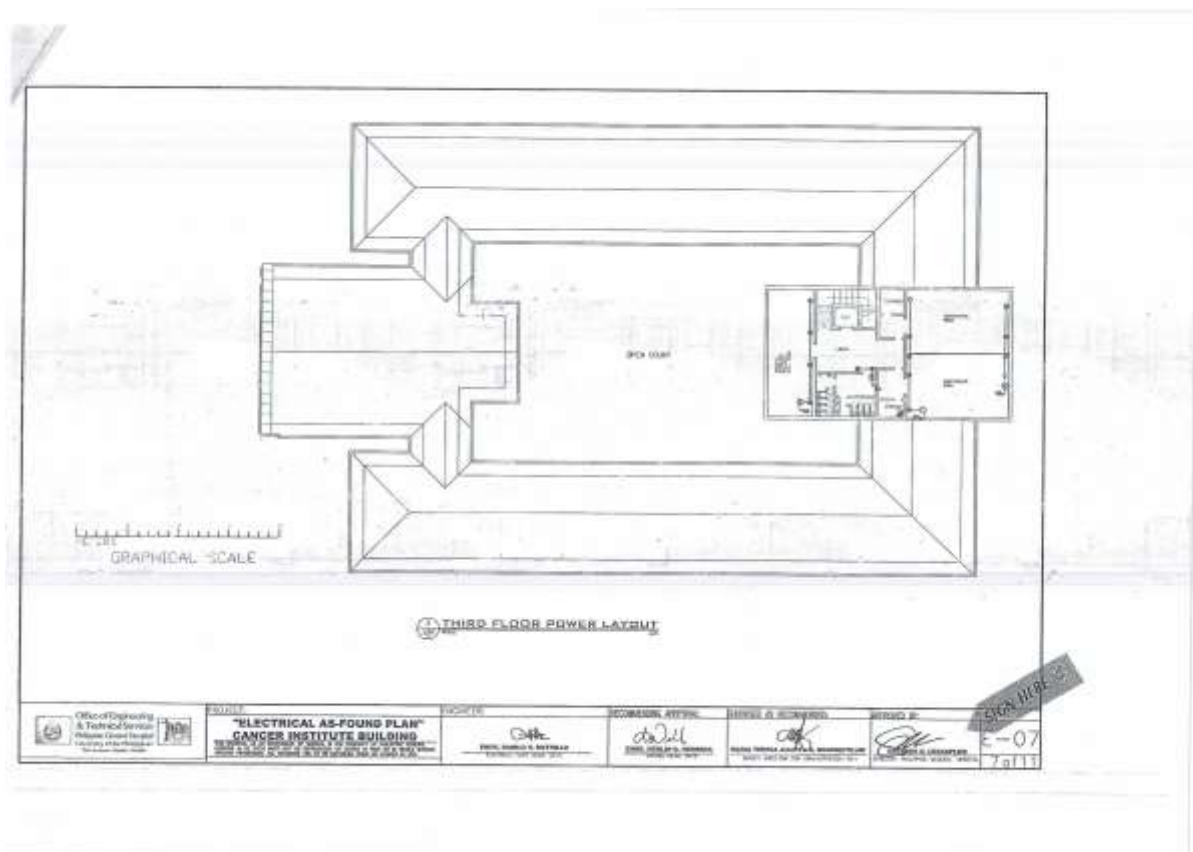
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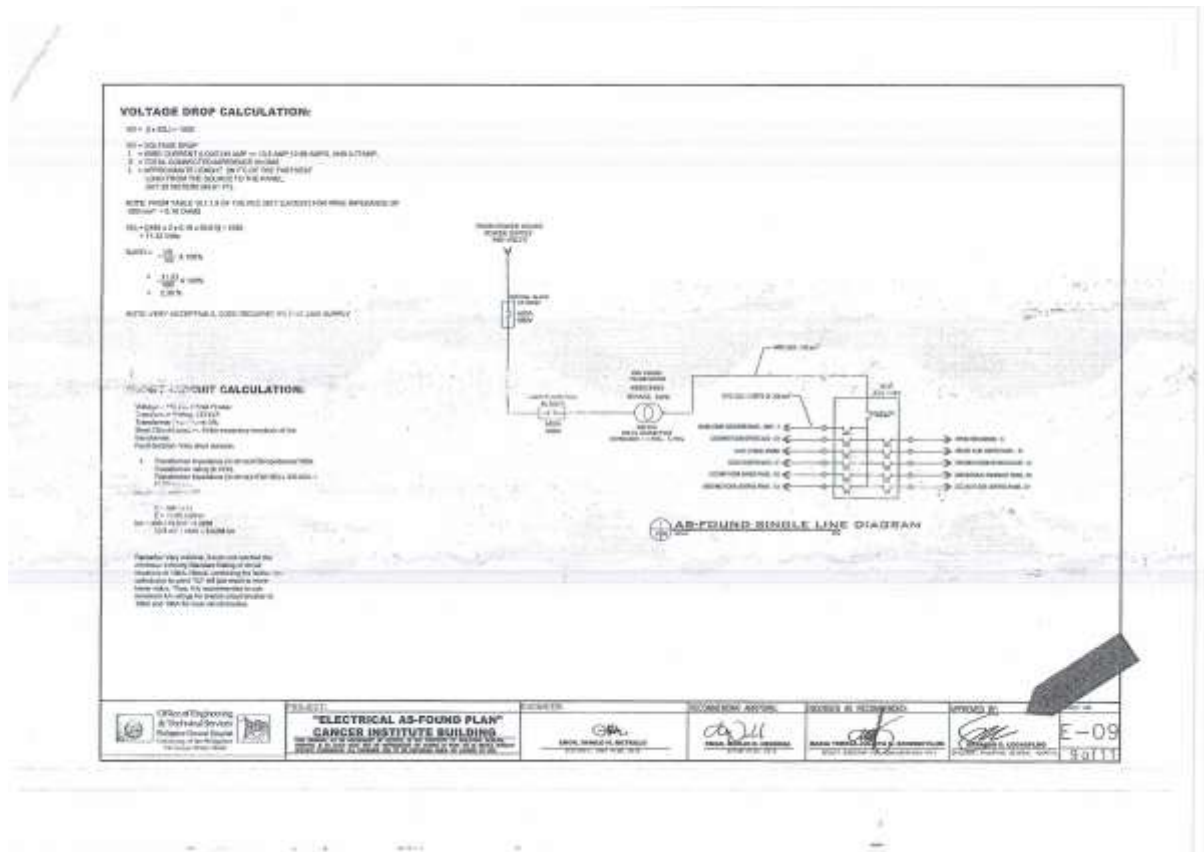


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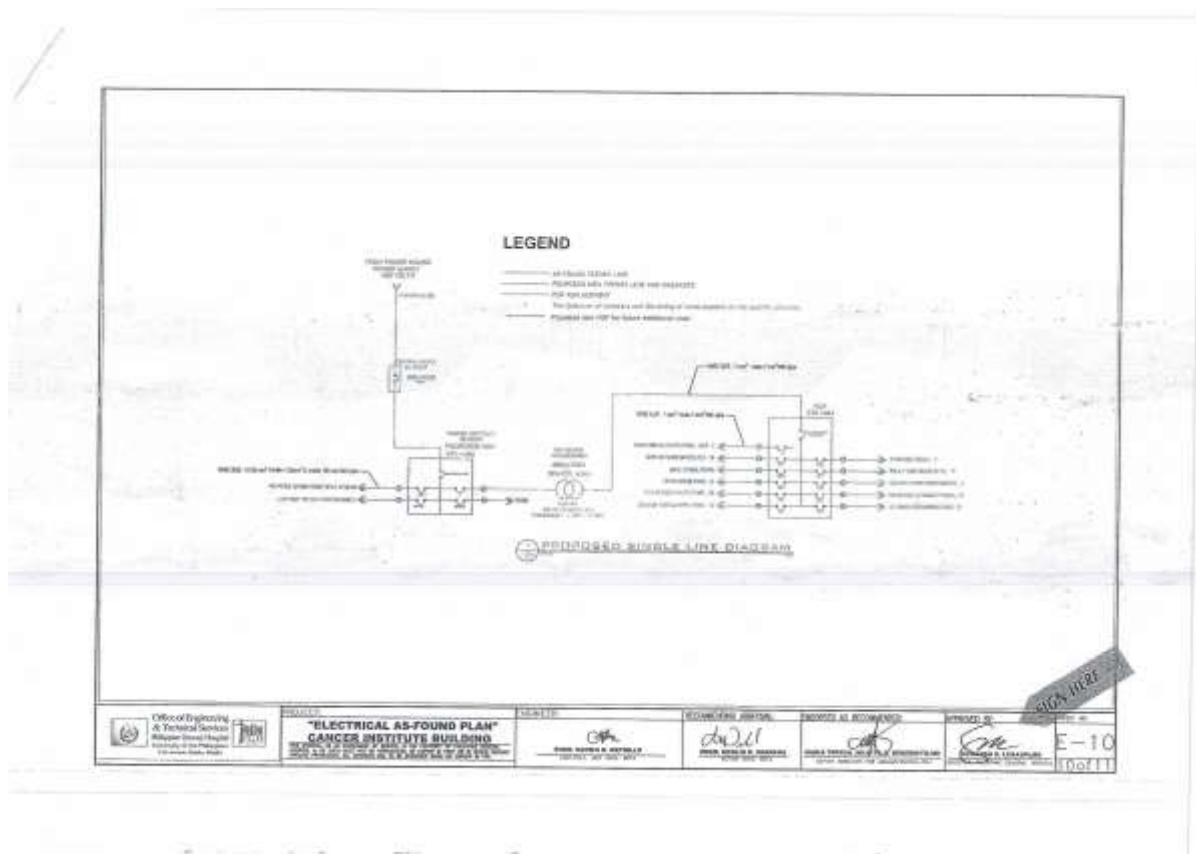
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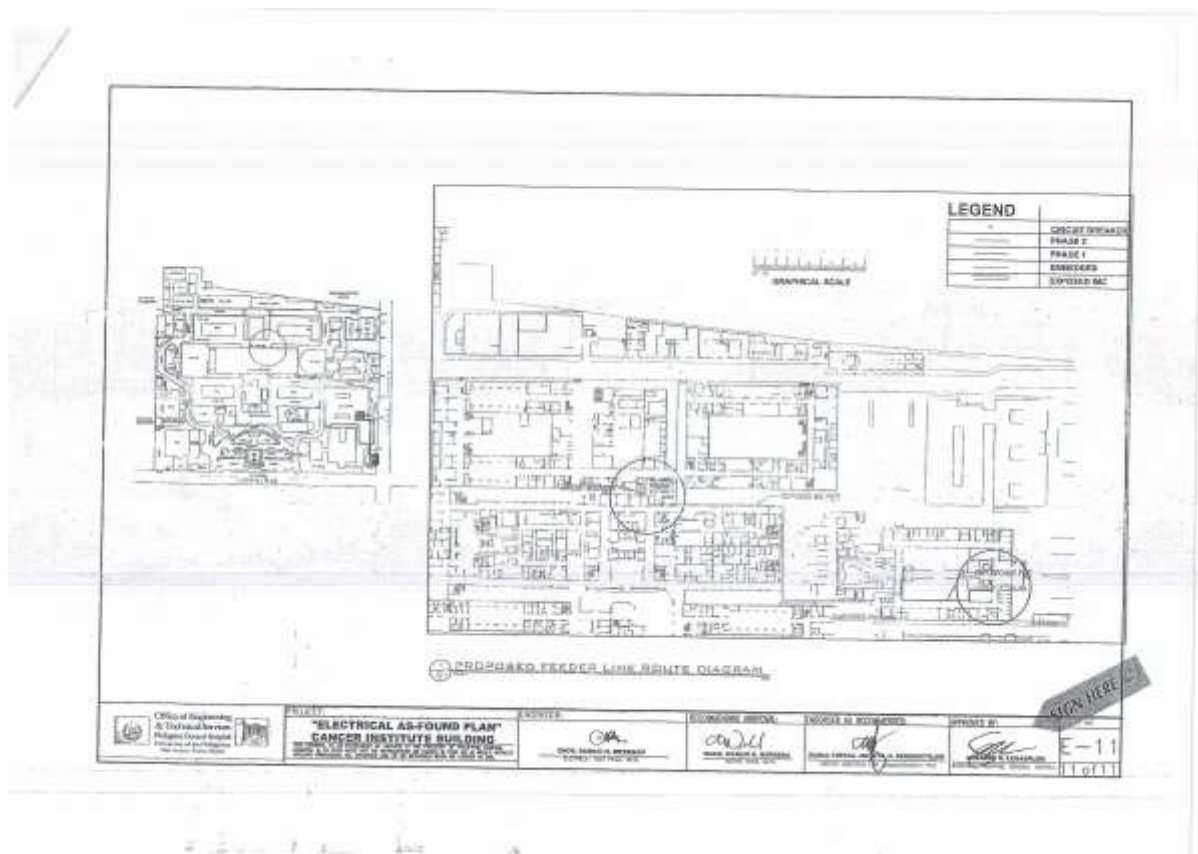
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FEEDER LINE FOR THE CANCER INSTITUTE  
BUILDING, PGH**

ABC: **PHP21,143,155.42**

Contract: **SINGLE BID**



Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)