



REPUBLIC OF THE PHILIPPINES
Department of Health
NATIONAL CENTER FOR MENTAL HEALTH
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BIDS AND AWARDS COMMITTEE



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Section VI
Specification
(INFRA – IB NO. 005 – 2024)

**Public Bidding for Infrastructure Project No. 05-2024 - Construction of
Aged Care and Wellness Building CY 2024 - 360 Calendar Days**

INSTRUCTION: Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (ii) and/or GCC Clause 2.1(a)(ii).

Technical Specifications Particulars	Requirements	Statement of Compliance
<p>1. Application of the Infrastructure Project No. 05-2024 Construction of Aged Care and Wellness CY 2024</p>	<p>SCOPE OF WORKS</p> <p>A. GENERAL REQUIREMENTS</p> <ol style="list-style-type: none"> 1. Mobilization. 2. Construction of Temporary Facilities (Barracks, Storage Area, Working/Fabrication Area, Temporary Septic Tank, Site Enclosure & Access and etc.) with Installation of Electrical and Water Temporary Sub - meter. 3. Fabrication and Installation of the required 8 feet by 8 feet Commission of Audit (COA) Billboard w/ backing and stand, Complete with Necessary Accessories 4. Fabrication and Installation of the required 4 feet by 8 feet Project Billboard w/ backing and stand, Complete with Necessary Accessories 5. Installation of the Required Construction Safety Signages on all necessary areas. 	

	<p>B. DEMOLITION WORKS</p> <ol style="list-style-type: none"> 1. Demolition of Existing Structure (Canteen Area and Storage Room). 2. Demolition of Existing Public Comfort Room. 3. Clearing of Shrubs and Other Vegetation and Trimming of Tree Branches. 	
	<p>C. EARTHWORKS</p> <ol style="list-style-type: none"> 1. Excavation of Adobe Soil to meet the required depth of the building's foundation system, septic tank, cistern tank and line canal. 2. Application of ¾" gravel bedding in footings, strap footings, wall footing and slab on fill. 3. Application of soil poisoning/termite treatment. Note: The contractor shall invite technical personnel from the Planning and Development Section to witness the actual soil treatment. 4. Backfilling of soil on certain areas to meet the required elevation of slab on fill of the main building and building grounds. 5. Soil compaction or improvement prior establishment of foundation elements. 	
	<p>D. CONCRETE WORKS</p> <ol style="list-style-type: none"> 1. Fabrication and Installation of Reinforced Concrete Isolated Footings of the main building as per plan specifications. Concrete design strength is 4500 psi. 2. Fabrication and Installation of Reinforced Concrete Wall Footings of the main building as per plan specifications. Concrete design strength is 3500 psi. 3. Fabrication and Installation of Reinforced Concrete Columns of the main building as per plan specifications. Concrete design strength is 4500 psi. 4. Fabrication and Installation of Reinforced Concrete Footing Tie Beams of the main building as per plan specifications. Concrete design strength is 4500 psi. 5. Fabrication and Installation of Reinforced Concrete Grade Beams of the main building as per plan specifications. Concrete design strength is 4500 psi. 6. Fabrication and Installation of Reinforced Concrete Roof Beams of the main building as per plan specifications. Concrete design strength is 4500 psi. 	

	<ol style="list-style-type: none"> 7. Fabrication and Installation of Reinforced Concrete Slab on Grade of the Main Building and Exterior Ground as per plan specifications. Concrete design strength is 3500 psi. 8. Fabrication and Installation of Reinforced Concrete Lintel Beams of the main building as per plan specifications. Concrete design strength is 3500 psi. 9. Fabrication and Installation of Reinforced Concrete Canopies of the main building as per plan specifications. Concrete design strength is 3500 psi. 10. Fabrication and Installation of Reinforced Concrete PWD Ramps of the main building as per plan specifications. Concrete design strength is 3500 psi. 	
	<p>E. MASONRY WORKS</p> <ol style="list-style-type: none"> 1. Construction of Plastered Exterior Masonry Walls as per plan specifications. 2. Construction of Plastered Interior Masonry Walls as per plan specifications. 3. Construction of Footing Tie Beam Masonry Stem Walls as per plan specifications. 4. Construction of Plastered Masonry Toilet Partition Walls as per plan specifications. 5. Construction of Plastered Masonry Parapet Walls as per plan specifications. 6. Other Provisionary Hardware Accessories and Materials for Masonry Works 	
	<p>F. STRUCTURAL STEEL AND ROOFING WORKS</p> <ol style="list-style-type: none"> 1. Fabrication and Installation of Roofing Trusses, Rafters, Purlins and Other Roof Framing Elements that will complete the system. 2. Installation of the Required Roofing Sheet, End wall/Fascia Flashing, Gutters and Spandrel Eaves, Complete with Necessary accessories. 	
	<p>G. CEILING SYSTEM WORKS</p> <ol style="list-style-type: none"> 1. Installation and Fabrication of the Required Suspended Ceiling System as per plan specifications, Complete with Necessary Accessories 	
	<p>H. ELECTRICAL SYSTEM WORKS</p> <ol style="list-style-type: none"> 1. Installation of Electrical Rough - ins as per plan requirement and specifications. 	

	<ol style="list-style-type: none"> 2. Installation of Electrical Wiring and Conductors as per plan requirement and specifications. 3. Installation of Circuit Protection (Panel Board and Breakers) as per plan requirement and specifications. 4. Installation of Electrical Devices, Lighting Fixtures and Switches as per plan requirement and specifications. 5. Installation of Service Entrance/Main Electrical Supply as per plan requirements and specification, Complete with Necessary Accessories. 6. Transfer of NCMH Owned 200kVA of Generator Set with Supply and Installation of Automatic Transfer Switch and Wiring as per plan requirements and specifications, Complete with Necessary Accessories. 7. Installation of Service Drop/ Transformer as per plan requirements and specification, Complete with Necessary Accessories. 	
	<p>I. PLUMBING SYSTEM WORKS</p> <ol style="list-style-type: none"> 1. Installation of Water Supply Lines, Complete with Necessary Accessories. 2. Installation of Drain, Waste and Vent Lines, Complete with Necessary Accessories. 3. Installation of Plumbing Fixtures (Showers, Toilet, Faucet, Sink, Urinal and etc.), Complete with Necessary Accessories. 	
	<p>J. TILING WORKS</p> <ol style="list-style-type: none"> 1. Installation of Offices Floor Tiles, Complete with Necessary Accessories, Designation "F1" as per plan specifications. 2. Installation of Patient's Ward Floor Tiles, Treatment Area, and Observation Room, Complete with Necessary Accessories, Designation "F4" as per plan specifications. 3. Installation of Hallway and Common Area Floor Tiles, Complete with Necessary Accessories, Designation "F1 and F2" as per plan specifications. 4. Installation of Offices Comfort Room Floor Tiles, Complete with Necessary Accessories, Designation "F3" as per plan specifications. 	

	<ol style="list-style-type: none"> 5. Installation of Patients Ward Comfort Room Floor Tiles, Complete with Necessary Accessories, Designation "F4" as per plan specifications. 6. Installation of Offices Comfort Room Wall Tiles, Complete with Necessary Accessories as per plan specifications. 7. Installation of Patients Ward Comfort Room Wall Tiles, Complete with Necessary Accessories as per plan specifications. 8. Installation of Outdoor Non - Skid Terrazo Tiles as per plan specifications, Complete with Necessary Accessories, Designation "F5" as per plan specifications. 9. Installation of Architectural Veneer Stone on all required areas as per plan specifications, Complete with Necessary Accessories, Code 1. 10. Other Provisionary Hardware Accessories and Materials for Tiling Works 	
	<p>K. PAINTING WORKS</p> <ol style="list-style-type: none"> 1. Application of Paint Finish on the Exterior Walls of the building. 2. Application of Paint Finish on the Interior Walls of the building. 3. Application of Paint Finish and Jointing Compound on the Ceilings of the Building. 4. Application of Rust Inhibiting Primer on All Metal Surface (Roof Framing, Window Security Grills and Grill Door). 5. Application of Quick Drying Enamel on all Window Security Grills and Grill Door. 	
	<p>L. FABRICATED MATERIALS</p> <ol style="list-style-type: none"> 1. Fabrication and Installation of Wooden and Grill Door As per plan requirements and specification, Complete with Necessary Accessories. 2. Fabrication and Installation of Aluminum and Tempered Glass Windows as per plan requirements and specification, Complete with Necessary Accessories 3. Fabrication and Installation of Security Grills as per plan requirements and specification, Complete with Necessary Accessories. 4. Fabrication and Installation of Shower Phenolic Door Enclosure as per plan 	

	<p>requirements and specification, Complete with Necessary Accessories.</p> <ol style="list-style-type: none"> 5. Fabrication and Installation of Aluminum Modular Cabinets at Nurse's Station and Medicine Prep Area as per plan and specifications, Complete with Necessary Accessories. 6. Fabrication and Installation of Pantry Dining Tables and Benches with Granite Counter Top as per plan requirements and specifications, Complete with Necessary Accessories. 7. Fabrication and Installation of Concrete Pantry Washing Area, Granite Finish as per plan requirements and specifications, Complete with Necessary Accessories. 8. Fabrication and Installation of Staff Pantry Concrete Counter Top for Handwashing, Granite Finish as per plan requirements and specifications, Complete with Necessary Accessories. 9. Fabrication and Installation of Dental Concrete Counter Top for Handwashing, Granite Finish as per plan requirements and specifications, Complete with Necessary Accessories. 10. Fabrication and Installation of Optha Concrete Counter Top for Handwashing, Granite Finish as per plan requirements and specifications, Complete with Necessary Accessories. 11. Fabrication and Installation of ENT Room Concrete Counter Top for Handwashing, Granite Finish as per plan requirements and specifications, Complete with Necessary Accessories. 12. Fabrication and Installation of Nurse Station Ward Concrete Counter Top for Handwashing, Granite Finish as per plan requirements and specifications, Complete with Necessary Accessories. 13. Fabrication and Installation of Female Ward Toilet Concrete Counter Top for Handwashing, Granite Finish as per plan requirements and specifications, Complete with Necessary Accessories. 14. Fabrication and Installation of Male Ward Toilet Concrete Counter Top for Handwashing, Granite Finish as per plan 	
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	requirements and specifications, Complete with Necessary Accessories.	
	<p>M. HVAC SYSTEM WORKS</p> <ol style="list-style-type: none"> 1. Supply and Installation of Inverter Airconditioning Unit on All Required Areas as per plan specifications, Complete with Necessary Accessories. 2. Installation of Exhaust Fans on all Office Comfort Rooms and Wards as per plan specifications and requirements, Complete with Necessary Accessories. 	
	<p>N. ETHERNET (WIFI), TELECOMMUNICATIONS AND CCTV SYSTEM WORKS</p> <ol style="list-style-type: none"> 1. Installation of Ethernet and Telecommunications Wiring and Devices, Complete with Necessary Accessories. 2. Installation of CCTV Wiring and Devices, Complete with Necessary Accessories. 	
	<p>O. FIRE SUPPRESSION AND DETECTION SYSTEM WORKS</p> <ol style="list-style-type: none"> 1. Supply and Installation of Fire Detection and Alarm System Wiring and Devices as per plan specifications, Complete with Necessary Accessories. 2. Supply and Installation of Fire Sprinkler System (Wet Pipe System) Piping and Devices, Complete with Necessary Accessories. 3. Construction of Underground Cistern Tank (Storage Volume) for Fire Suppression System including Pump Housing. 	
	<p>P. MISCELLANEOUS</p> <ol style="list-style-type: none"> 1. Fabrication and Installation of High Grade Panaflex NCMH Logo, Building and Room Identification Signages on all required areas as per plan specifications. 2. Supply, Fabrication and Installation of Fall Protection Grab Handrails on All Required Areas (Hallway, Wards, PWD Ramp and Comfort Room) as per plan requirements and specifications, Complete with Necessary Accessories. 3. Supply and Installation of WPC Indoor Wall Panel (Wood Grain Finish) in Hallway as per plan requirements and specification, Complete with Necessary Accessories. 	

	<ol style="list-style-type: none"> 4. Construction of Garden Gazebo with Plant Boxes and Benches as per plan requirements and specification (Concreting Works, Masonry Works, Steel and Roofing Works, Painting Works and Tiling Works). 5. Construction of Plant Boxes on all required area as per plan requirements and specification (Masonry Works and Painting Works). 6. Construction of Fish Ponds and bridge including Pond Walls, Inlet/Outlet Pipes or Channels, Filtration, Decorations and Supply of Aquatic Animals. 7. Construction of Cascade Water Feature at Calm Garden as per plan requirements and specifications, Complete with Necessary Accessories. 8. Construction of Generator Set Housing as per plan requirements and specification (Black QDE Paint Finish) 9. Supply, Delivery and Planting of Gardening Growing Plants for Landscaping. 10. Supply, Delivery and Installation of Office Furnitures and Accessories as per specifications 	
	<p>Q. CONSTRUCTION OF SEPTIC TANK AND CONCRETE CANAL</p> <ol style="list-style-type: none"> 1. Construction of Width = 3 meters x Length = 5 meters x Depth = 2.775 meters Masonry Septic Tank. 2. Installation of the required Septic Tank and Water Tank Piping System, Complete with Necessary Accessories. 3. Construction of Concrete Canal with Concrete Cover (Class B = 3000 psi) and Trench Drain as per plan requirements and Specifications, Complete with Necessary Accessories. 	
	<p>R. CONSTRUCTION OF PERIMETER FENCE</p> <ol style="list-style-type: none"> 1. Excavation Works for Perimeter Column and Wall Footing (Adobe Soil). (Perimeter fence foundation system). 2. Application of Gravel Bedding (3/4"). 3. Application of Soil Poisoning. 4. Fabrication and Installation of Reinforced Concrete Isolated Footings (3500 psi). 	

	<ol style="list-style-type: none"> 5. Fabrication and Installation of Reinforced Concrete Columns (3500 psi). 6. Fabrication and Installation of Reinforced Concrete Wall Footings (3500 psi). 7. Fabrication and Installation of Reinforced Concrete Stiffener Beams (3500 psi). 8. Fabrication and Installation of Masonry Walls (Main Fence), Plastered Finish on both sides. 9. Application of Paint Finish on both sides of the Perimeter Fence. 10. Fabrication and Installation of Steel Grills on Perimeter Wall as per plan requirements and specification. 	
	<p>S. PROVISIONAL ITEMS</p> <ol style="list-style-type: none"> 1. Processing of the Required Permits (DOH Permit to Construct, Building Permit and License to Operate) and Submission of As Built Plans upon Project Completion, Complete with all Necessary Documents. 	
	<p>T. CLEARING & GRUBBING/ DEMOBILIZATION</p> <ol style="list-style-type: none"> 1. Site Clearing and Grubbing, Includes Hauling of Debris and Construction Waste Prior Project Turn – Over. 2. Demobilization. 	
CONFORME:		
<i>(Company Name)</i>		