



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY
Philippine Atmospheric, Geophysical and
Astronomical Services Administration (PAGASA)



Project Title: REHABILITATION AND IMPROVEMENT OF THE CHILD MINDING STATION AT PAGASA SCIENCE GARDEN

Project Location: PAGASA Central Office, Science Garden Compound, Senator Miriam P. Defensor-Santiago Avenue, Brgy. Central, Quezon City

SCOPE OF WORKS AND SPECIFICATIONS

SCOPE OF WORKS

- **Site Preparation**
 - Clear the site of existing structures, vegetation, and debris.
 - Excavate, grade, and level the site.
 - Prepare the site for utility installation (water, electricity).
 - Removal of carpets, wallpaper, fake grass, worn-out ceiling, & worn-out wood cabinet.
- **Foundation**
 - Excavate and prepare the pedestal footing beside the playground area.
 - Install appropriate foundation systems (footings).
 - Place and compact fill material.
 - Reinforce and pour concrete to form the pedestal footing.
- **Structural Elements**
 - Erect pedestal.
 - Install roof supports.
 - Construct the roof structure (trusses, purlins, framing system).
 - Construct pedestal with steel post as support for the roofing in the playground area.
 - Replace the existing worn-out canopy steel framing in front of the Child Minding Station. Retain the existing acrylic panels.
- **Building Envelope**
 - Install and replacement of existing D3 wooden doors with uPVC doors at the storage room, side doors, and the door between the CR and napping area.
 - Construct the roof (roofing materials).
- **Mechanical, Electrical, and Plumbing Systems**
 - Install electrical lighting fixtures, and outlet.
- **Interior Finishes**
 - Install and replacement of the worn-out ceiling in the storage room.
 - Enclosure of the door connecting the other room and child minding using CHB and rebars.
 - Apply finishes to walls (plastering, repainting)
 - Removal of carpets
 - Lower the floor level prior to tile installation to ensure the existing doors are not affected.



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Note: The contractor must take precautions to prevent any damage to the doors. If the doors are damaged, the contractor will be responsible for the necessary repairs.

- Installation of tiles 40cm x40 cm.
 - Install and replacement of the existing wood cabinet to PVC cabinetry.
- Exterior Work
 - Complete exterior finishes (repainting)
 - Apply finishes to pedestals (plastering & painting)
 - Repainting of roof, fence, and framing of roof canopy.
 - Install roof flashing
 - Install Fascia Board
 - Install artificial turf grass in the playground area.
 - Install and weld the Steel Post, 76.2mm dia G.I. Pipe S40, (Playground area)
 - Install exterior ceiling and replacement of the existing glass ceiling to fiber cement board.
 - Cleaning of the acrylic panels of all the roof canopy.
- Project Closeout
 - Perform final inspections and address any punch list items.
 - Prepare as-built drawings and documentation.
 - Cleaning and disposal of debris.

General Requirements

- The Contractor shall provide all materials, equipment, tools, labor, and supervision required for the complete construction of the project.
- To ensure proper phasing or scheduling of work, the Contractor must coordinate all work with all parties.
- Contractor must provide end-user with complete specifications and a product sample for evaluation. Inspection of the Project-in-Charge shall be required prior to installation of any item/material during the construction.
- The Contractor shall promptly remove from the premises all trash, debris, and such weekly and after the completion of all works. Restore all areas that were damaged as affected by the construction works and leave the site clean to the satisfaction of the Project Inspector or his representative and the End-user.
- All materials removed from the unit shall be properly documented prior to turn-over to the End-user for proper safekeeping.
- Provision of Temporary Facility for workers shall be coordinated with the Project-in-Charge in order to provide a proper location and establish rules and



regulations as the site consists of equipment and is on the premises of a workplace.

- To protect the building, create a temporary enclosure in each location. All of the building facilities must be adequately covered by such covers throughout the duration of the project.
- To ensure proper installation of all framing systems and protection of the area, the Contractor should provide, at its own expense, the necessary scaffoldings, board-ups, safety nets, and similar items.
- Construction requirements of each pay item must be in accordance with the DPWH "Standard Specifications for Public Works Structures Volume II"

Utility Services

- For the Utility Services/Consumption such as water and electric power, provision of electric and water meter shall be provided by the Contractor. All utility consumption shall be provided with meters to limit the usage of such during the construction period. Payments of the bill shall be at the expense of the Contractor.

Site Monitoring

- Site Monitoring shall be a must for the Contractor for the effective implementation of the Project. Any discrepancies in plans and on the actual site shall be properly coordinated with the Project Monitoring Engineer for verification.
- Regular coordination meetings shall be done between the Contractor or its representative and the Project Monitoring Engineer.
- Progress Photographs shall be documented by the Contractor
- A logbook shall be available at the site. It shall contain the daily activities on the site, including weather conditions, delivery, manpower, and other matter pertaining to the situation of the project. It will also serve as data for the Contractor and Project Monitoring Engineer.
- Existing conditions of the work site shall be documented by the contractor and photos shall be taken before the commencement of work to ensure such status. Any damage on the areas due to the contractor's ongoing works shall be refurbished at his expense.



Part B – Other General Requirements

1. Project Billboard / Safety Signage

- The Contractor shall install two (2) Project Information Signs at/or near the beginning and the end of the project or upon the discretion of the Engineer. The new billboard layout, dimensions are as follows:
 - Tarpaulin Dimensions: 1.22m x 2.44 m
 - Thickness of Marine Plywood: 5mm
 - Background: White

The billboard shall consist the following data:

- Title of the Project
- Contractor
- Location
- Implementing Agency
- Brief Description of Project
- Approved Budget of the Contract
- Project Details

2. Occupational Safety and Health Program

- This Item covers the implementation of the construction safety in all stages of project procurement, requirements, provisions, and instructions for the guidance of the Engineer.
- The Contractor shall furnish his workers with protective equipment for eyes, face, hands and feet, lifeline, safety belt/harness, protective shields and barriers whenever necessary by the reason of the hazardous work process or environment.
- For General Construction Work, the required basic PPEs for all workers shall be Safety Helmet, Safety Gloves, and Safety Shoes. Workers within the construction project site shall be required to wear the necessary PPE at all times. Moreover, all other persons who are either authorized or allowed to be at a construction site shall also wear appropriate PPEs.
- All Personal Protective Equipment (PPE) are subject for the approval of Project Monitoring Engineer and should meet the specified standard requirements:
 - The Safety Helmets/Hard hat shall meet the specifications contained in the technical guidelines issued by the Specialize department in accordance to international standards- OSHA or ANSI z89. Safety Helmets should be inspected by the safety officer to ensure that it is safe and reliable to use. It should be free from cracks and proper shock-absorbing lining of the helmet and should be in good condition.



- Safety Shoes must meet the minimum requirements according to PNS ATM F2412:2016 and PNS ASTM F2413:2016 for the impact resistance and compression resistance at the toe area of the footwear
 - Impact Resistance – 75 ft-lbs (101.7 J)
 - Compression Resistance – 2500 lbs (11,121 N)

3. Mobilization / Demobilization

- This Item includes the mobilization process, relocation/transfer of existing office furniture and equipment to the designated temporary location.
- Demobilization process shall include clearing of the affected areas from all rubbish, debris, and all unnecessary building materials and restore all the areas that were damaged as affected by the works and leave the site clean to the satisfaction of the Project Monitoring Engineer and/or the End-user.

Part D – REINFORCED CONCRETE

- This Item shall consist of furnishing, placing, and finishing concrete in buildings and related structures in accordance with this Specification and conforming to the dimension shown on the Plans.

Item 900 – Structural Concrete

- The work to which this refers includes all operations necessary for the supply and delivery of all materials, labor, equipment, and all associated activities. This shall conform in the recommendations of the “National Structural Code for Buildings” published by the Association of Structural Engineers of the Philippines.
- Material Requirements:
 - Cement to be used shall be Type I conforming to the ASTM C-150
 - Fine and coarse aggregates shall be obtained from the approved source as determined by DPWH and shall conform to ASTM C-33
 - Water shall be potable and free from deleterious amounts of acids, alkalis, oils or organic matters.
 - The quality of concrete shall comply with Section 5.04 of the National Structural Code of the Buildings.
 - Testing of samples from concrete pours shall be as required by Section 5.05 of the National Structural Code of Buildings.
 - Should further testing of the finished concrete be necessary due to non-compliance of test specimens, as required by the Engineer. It shall be carried out in accordance with the approved procedure laid down in National Structural Code of Buildings, Section 5.04 clause(e).



- Hardened concrete that is deemed not to comply with the specifications above, but which the Engineer permits to be further tested, shall be tested for compressive strength.
- Any concrete will be rejected under the specifications above if the results fail to meet the requirements Section 5.03 of National Structural Code of Buildings.
- Hardened concrete may also be rejected for any one of the following conditions:
 - It is porous, segregated or honeycombed.
 - Its placing has been so interrupted that there is a construction or similar joint not in accordance with Section 5.03 clause (d) of the National Structural Code of Buildings.
 - The reinforcing steel it incorporates has been displaced.
 - Construction tolerances have not been met.
 - The required surface finish has not been met.
 - The concrete can be shown to be otherwise defective.
- When the above condition happened, the Engineer has the option to let the Contractor to demolish the rejected portion.
- The following proportion shall be as follows for each member:
 - **Class A Mixture (1:2:4):** for structural members such as Column, Beam, Column Footing, Wall Footing, Footing Tie Beam, Suspended Slab, Concrete Gutter, Canopies and Slab on Grade.

Item 902 – Reinforcing Steel

- This item shall consist of furnishing, cutting, bending, fabricating, welding, and placing of steel reinforcement with or without an epoxy coating of the type, size, shape, and grade required in accordance with this Specification and in conformity with the requirements shown on the Plans.
- All steel bars to be used during construction should be in accordance with the guidelines of the National Structural Code of Buildings.
- The support and tolerance in placing of reinforcement shall comply with section 5.07 of the National Structural Code of Buildings.
- Lap Splicing and/or welding of reinforcement shall comply with section 5.07 of the National Structural Code of Buildings.
- Welding of reinforcement shall not be carried out unless shown on the drawings, specified, or otherwise approved by the Project Monitoring Engineer.
- All reinforcing bars shall be structural Grade 40, 12mm Ø except for the lateral ties and stirrups which is 10mm.

Item 903 – Formworks and False works

- This Item covers the furnishing, fabrication, installation, erection, and removal of forms and false works.



- The contractor shall be responsible for the design, erection, and adjustment of all formworks and false work in accordance with Section 5.06 of the National Structural Code for Buildings.
- All materials used in construction and support of formwork shall be of timber. Alternative materials shall only be used with Project Monitoring Engineer's approval.
- It shall be the Contractor's responsibility to ensure that the forms are in placed to the shape, lines, and dimensions as indicated on the drawings, and they shall have sufficient strength to withstand the pressure resulting from placement and vibration of the concrete. The Contractor shall ensure that the forms are maintained rigidly in position and be sufficiently tight to prevent excessive leakage of mortar.
- All debris particularly chipping, shavings, and sawdust, shall be removed from the interior of the forms before the concrete is placed. All form surfaces shall be cleaned and thoroughly wetted before pouring of concrete.
- Before the placement of any concrete, the Project Monitoring Engineer shall inspect the formwork and may, at his discretion, reject any materials or forms that do not conform to this specification.
- The deflection of forms between joints and/or studs shall not exceed one five-hundredth ($1/500$) of the joints or stud spacing.
- The recommendations minimum stripping for horizontal slabs be twenty-four (24) hours after the approval of the Project Monitoring Engineer.

Part E – FINISHING AND OTHER CIVIL WORKS

Item 801 – Removal Of Structures And Obstructions

- This Item shall consist of the removal wholly or in part, and satisfactory disposal of all buildings, fences, structures, old pavements, abandoned pipe lines, and any other obstructions which are not designated or permitted to remain, except for the obstructions to be removed and disposed of under other items in the Contract. It shall also include the salvaging of designated materials, and filling the resulting trenches, holes and pits.
- Removal of portions of pavement, sidewalks, curb, gutters, and similar structures shall be undertaken with sufficient care as to avoid breakage or damage to the portion of the structure designated to remain.
- In case of damage to the remaining structure, it shall be repaired or replaced at the contractor's expense.
 - ✓ Removal of worn-out ceiling, doors & jambs, carpet, false grass carpet, & worn-out cabinet.
 - ✓ Chipping of flooring due to the installation of tiles
 - ✓ Disposal of debris.

Item 1003– Carpentry and Joinery



- The work under this Item shall consist of furnishing all required materials, fabricated woodwork, tools, equipment, and labor and performing all operations necessary for the satisfactory completion of all carpentry and joinery works in accordance with the Plans and this Specifications.
- **Ceiling 4.5mm thk Fiber Cement Board on Metal Furring, painted finish**
 - Repair of the worn-out ceiling at Storage Room.
 - Painting of new ceiling in latex paint.
- **Fascia Board, 12mm thk. x 10" Fiber Cement Board**
 - On 2" x 4" x 12mm thk. C-Purlin, puttied, sanded, and ready to receive paint primer coating
 - Surface preparation for 12.00mm thk Fascia Fiber Cement Board Ceiling Panel on C-Purlin.

Item 1013– Corrugated Roofing and Item-1047 Structural Steel

- This Item shall consist of furnishing all equipment, tools, materials, and labor required to properly install and complete the corrugated metal roofing, together with the related accessories such as ridge/hip rolls, valleys, gutters, and flashing in accordance with the Plans and this specification.
- **Pre-painted Metal Sheets, Gauge 28 (t = 0.40mm.), Rib Type, Long span**
 - Materials Requirements:
 - ✓ Panels: Ga. # 28 (0.40mm) thick. Pre-painted Rib-type roof, Long-span
 - ✓ Roof Trusses for Child Minding Station Building: A36 Top and Bottom Chord (Double Angle Bar 2L) 2" x 2" x 3mm thick.
 - ✓ Plates for Child Minding Station Building: A36 Gusset 4.5mm. thick and A36 Base Plate 6mm thick. x 200mm. x 200mm.
 - ✓ Web Members for Child Minding Station Building: A36 1 ½" x 1 ½" x 3mm thk. (Double Angle Bar 2L)
 - ✓ Purlins for Child Minding Station Building: 100mm.x 50mm. x 15mm.x 2.0mm. thick LC-Purlins
 - ✓ Purlins for Playground area: 2"x4"x1.2mm THK C-Purlins & 2"x4"x1.2mm THK Tubular.
 - ✓ A36 Sagrods: 10mmØ x 0.65m. w/ standard nuts and washers
 - ✓ Insulations: 10mm thick. Double Sided P.E Foam Insulation.
 - Steel Connections shall be fully welded. Welding electrodes shall be E60 series of ASTM Specifications A233.
 - Provide all necessary accessories for proper installation.
 - Verify plans for necessary details.
 - All structural steel frames shall be applied with Acrylic epoxy paint.



- All Steel sections shall be primed and painted two coats with final coating colors as to be specified by Project Monitoring Engineer and End-user
- Replacement of the existing canopy steel framing located in the front of Child Minding Station using 1.5mm x 50mm x100mm Rectangular Tubular and 10m. diameter plain sag rod bar. Note: The Acrylic Panels are not subjected for replacement.

Item 1014– Pre-painted Metal Sheets

- This Item shall consist of furnishing all pre-painted metal sheet materials, tools, equipment, and plant including labor required in undertaking the proper installation complete in accordance with the plans and this Specifications.
 - Fabricated Metal Roofing, Pre-painted, Ridge Roll
 - ✓ Thickness: Gauge 28 (0.40mm)
 - Fabricated Metal Roofing, Pre-painted, Wall Flashing
 - ✓ Thickness: Gauge 28 (0.40mm)
 - Fabricated Metal Roofing, Pre-painted, End Flashing
 - ✓ Thickness: Gauge 28 (0.40mm)
 - Gutters, valleys, flashing ridge, and hip rolls shall be fastened where indicated on the Plans by self-tapping screws or galvanized iron straps and rivets. Always begin flashing installation from the bottom and work up, so that flashings are lapped on top of the lower flashings. This will prevent moisture from leaking under the flashings and into the structures. All the screwed areas are subjected for the application of rubber sealant.

Item 1018– Ceramic Tiles

- This Item shall consist of furnishing and installing ceramic tiles materials including cementitious/adhesive materials, tools, and equipment including labor required in the proper installation of floor, wall, and countertop as shown on the Plans and in accordance with these Specifications.
 - **Glazed Tiles**
 - ✓ Glazed tiles shall be hard dense tiles of homogeneous composition.
 - ✓ Floor Tiles: 40cm x 40cm Glazed Tiles Tiles Gloss Ceramic Floor Tile.
 - ✓ Child Minding Study Area, receiving area, and Pantry are subjected for tile installations.



Item 1032– Painting, Varnishing, and Other Related Works

- This Item shall consist of furnishing all paint materials, varnish and other related products, labor, tools, equipment required and undertaking the proper application of painting, varnishing and related works in accordance with the Plans and this Specification.
- Number of coats, where specified, is minimum. The contractor shall apply as many as required to meet specifications for a solid, uniform appearance. Where film thickness in mils is specified, spot checks will be made to determine compliance with the specified thickness.
- Submit 2 samples of each and every color or finish (including all coats). Where the same color or finish is to be applied over different materials, samples of each shall be submitted.
- All works fittings, furniture, etc., are to be suitably protected during the execution of the work. Splashes on floors, walls, etc. are to be removed during the progress of work and on the whole, left clean and perfect upon completion.
- All defective or damaged work shall be restored to its initial condition.
- All voids, cracks, nicks, etc., will be repaired with proper patching material and finished flush with surrounding surfaces.
- Marred or damaged shop coats on metal shall be spot-primed with appropriate metal primer.
- Upon completion of the project, the Contractor shall remove all paint spots from all finished work, remove all empty cans and leave the entire premises free from rubbish or other debris caused by his work. They shall remove their equipment from the premises. They shall clean off all glass free from paint spots and smears and shall present the work clean and free from all types of blemishes.
- For Surface Preparation: Allow new concrete to dry for 14-28 days under normal weather conditions before painting. Surface to be painted should be clean and dry, free from oil, grease, dust, dirt, contaminants, and all loose grit and mortar.
- Painting Schedule:
 - Masonry Surfaces
 - Exterior Surfaces*
 - Smooth finish (Flat, Semi-gloss). Using a 100% acrylic water based elastomeric wall paint that is especially formulated to bridge micro/hairline cracks and crevices thus providing good waterproofing and protection from rain, carbon dioxide or other acidic gases (acid rain).
 - Repainting:
 - Texture: Acrylic solvent-based coating, Acrytex primer w/ acrylic solvent-based putty, Acrytex Cast B-1711
 - 2nd and 3rd Coat: Elastomeric Wall Covering Basecoat B-5805

Interior Surfaces



- Smooth finish (Flat, Gloss). Treat with masonry neutralizer.
- Repainting:
1st coat: Prime bare substrate with Permacoat™ Flat Latex #701 (100% Acrylic Waterbased) w/ putty minor surface imperfections with Joint Compound #711. Let dry for one (1) hour. Spot-primed puttied portions.
2nd and 3rd Coat: Finish with two (2) coats of Latex Paint with low-odor water-based coating. Let dry for one (1) hour in between coats.

- Ceiling, Fiber Cement Board
- Smooth finish (Flat, Semi-gloss).

New Painting:

- 1st coat: Prime bare substrate with Flat latex (100% Acrylic Water-based) w/ putty and mesh on the joint and minor surface imperfections with Joint Compound. Let dry for one (1) hour. Spot-primed puttied portions.
2nd and 3rd Coat: Finish with two (2) coats of Latex Paint with low-odor water-based coating. Let dry for one (1) hour in between coats.

- Repainting of partition wall, ceiling. & False ceiling

Base: Permacoat Flat Latex

Topcoat: Permacoat Latex - 2 coats

- Metal Surfaces

- Gloss Finish (Epoxy type) for the pedestal steel post, steel purlins, and steel trusses.

Primer: Epoxy Primer Red oxide

- Painting of primer of the roof steel trusses of Child Minding Station, roof steel purlins of the playground area, and the framing of the roof canopy.

1st and 2nd Coat: Water-based Acrylic Epoxy paint for the purlins of the playground area (Subjected for approval)

Repainting of perimeter fence and gate.

- Wooden Door, Painting

- Smooth finish (Flat, Semi-gloss).
- Painting:

1st coat: Prime bare substrate with Flat latex (100% Acrylic Water-based) w/ putty and mesh on the joint and minor surface imperfections with Joint Compound. Let dry for one (1) hour. Spot-primed puttied portions.

2nd and 3rd Coat: Finish with two (2) coats of Quick Drying Enamel. Let dry for one (1) hour in between coats.

Item 1038 – Reflective Insulation

- This Item shall consist of furnishing all thermal insulation materials of one or more low emittance surfaces bounding one or more enclosed air spaces, tools, and equipment, plant including labor required in undertaking the



proper installation complete in accordance with the Plans, and this Specification.

- The reflective insulation specified shall be 10mm double-sided P.E. foam insulation. It should be installed in the playground area.

Item 1046– Masonry Works

- This Item shall consist of furnishing all necessary materials, tools, equipment, and labor necessary to complete the execution of the masonry works as shown on the Plans.
- Material Requirements:
 - Use Portland cement which conforms to the requirements of ASTM C-150 Type for normal Portland Cement.
 - Use fine aggregates which shall be free from injurious amounts of clay loam and deleterious materials and shall conform to ASTM C-33 or C-330.
 - Concrete Hollow Blocks, 4", shall be standard manufacture, machine vibrated, and shall have fine and even texture, and well-defined edges. Mortar, filler, and plastering shall be Class "B".
 - Deformed steel bars shall conform to ASTM A-305. It shall be clean and free from loose, rust, scales, and any coatings that will reduce the bond.
 - #16 G.I. tie wires shall be used for reinforcing bar connectors.
 - Provide 4" CHB Wall with 10mmØ deformed round bars at 0.60m on centers both ways. Verify the actual location.
 - Concrete mixture shall be Class "B"
 - Provide the plastering at 20mm thick using a Class "B" mixture.
 - Refer to the plan for details.

Item 1027– Cement Plaster Finish

- This Item shall consist of furnishing all cement plaster materials, labor, tools, and equipment required in undertaking cement plaster finish accordance with the Plans and Specifications
 - Materials Requirements:
 - ✓ Mixture: Class B
 - ✓ Thickness: 20mm
 - Plastering of pedestal, and enclosure of door

Item uPVC Doors and Frame



- This Item shall consist of furnishing and installing all pre-fabricated uPVC door and frames equipped with fixing accessories and locking devices in accordance with the Plans and/or shop drawings and this specification.
 - **(D3) – 0.90m(W) x 2.10m(H) – (See Floor Plan for reference)**
 - ✓ uPVC Framed (Dark Brown) Swing uPVC Panel Door w/ ¼” THK Clear Glass
 - ✓ Door lock set, stopper, and hinges
 - ✓ 4 sets

Item A.1.1.1 Furniture/Fixtures, Equipment, Appliance, Apparatus and Publications

- The field offices, laboratories, and living quarters shall have at least the floor area prescribed on the Plans and shall contain the sufficient furniture/fixtures, equipment, appliances, apparatus, and [publications specified in the Contract. Testing equipment supplied in accordance with the Contract shall be located in testing laboratories as required by the Engineer. If the Contractor cannot provide or intends to supply equivalent substitute, the Contractor shall secure the approval of the Engineer.
 - ✓ **Artificial Turf Grass Carpet, 20mm thk** to be installed in the playground area.
 - ✓ **Modular Sink Cabinet**, PVC Board Panel, 18mm thk, White w/ Heavy Duty Hydraulic Soft-close Hinges - US Brand, Heavy Duty Door Handles (Stainless Solid Pull handle) 192mm, 10mm diameter.

Part F - ELECTRICAL

Lighting Fixtures and Lamp

- This Item shall consist of furnishing all lighting fixtures, accessories and fixings necessary for installation as shown on the Plans and in accordance with this Specifications. A light fixture or luminaire is an electrical device to create artificial light that serves as a tool to direct light using reflective and shielding materials.
1. Replacement of existing LED Bulbs.
 2. Replacement outlet and installation of Duplex Power Universal 3 Pin outlet with grounding and shutter to its designated location.
 3. Tapping, testing of newly installed lighting fixtures and convenience outlet to designated panel board.
 4. Housekeeping / Cleaning.



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5. The implementation of this project should be not disrupt with the operation of the office.

Specifications

- LED Bulb e27 socket daylight (9W)
- Duplex Power Universal 3 Pin outlet with grounding and shutter

Note:

- Personnel protective equipment must be wear during construction like helmets/hard hat, safety shoes, face masks, hand gloves, & safety belt/body harness. Strictly no wearing of slippers/sandals, sando or shorts during construction.
- All personnel involved shall be inducted on health, safety, & environment issues associated with the work.
- An experienced Engineer will take charge of the implementation of the project.
- Incident and near miss should be reported immediately to the supervisor for implementing more efficient work method and environment.
- Temporary water and electrical supply connection shall be coordinated to ETSD.
- Temporary water meter and electrical meter reader shall be provided by the winning contractor.
- Expenses to construct temporary facilities for the workers shall be shouldered by the winning contractor. Location of temporary facility shall be coordinated to ETSD for approval.
- Changes in plans, methodology, materials and personnel shall have pre-approval prior to implementation to the project.
- Technical Specifications for Additional Work/Pay Item not part of the original contract shall be referenced to the latest DPWH Standard Technical Specifications Volume III, s. 2019.
- Permit to entry shall be secured by means of a letter indicating the list of names of the personnel that will perform the works.