



PHILIPPINE GENERAL HOSPITAL
The National University Hospital
University of the Philippines Manila
OFFICE OF ENGINEERING AND TECHNICAL SERVICES
Taft Avenue, Manila

*PHIC-Accredited Health Care Provider
ISO 9001:2008 Certified*

Project Title : RE-WATERPROOFING OF ROOFDECK AND REPAIR OF STORM DRAINAGE

Location : ORSA, West Wing Building, PGH

SCOPE OF WORKS & SPECIFICATIONS

GENERAL REQUIREMENTS

1. GENERAL CONDITIONS

- 1.1 The Contractor shall furnish all the materials, labor, tools, equipment, and supervision for the completion of all the works of the Project as indicated on the plans, specifications and contract documents.
- 1.2 The Contractor shall visit and carefully examine the site and check all the possible interference and conditions affecting the works.
- 1.3 Extra care must be observed during dismantling works to avoid damage on the existing facilities such as Telephone and Internet Lines, Paging System Accessories, Medical Gas Lines, Sewer and Water Lines, etc. Any damaged thereof should be restored to its original status at the expense of the Contractor within two (2) weeks. Otherwise, construction activity will be stopped.
- 1.4 The Contractor shall engage under him, a registered Civil Engineer or Architect to supervise his work. The Project Engineer or Architect shall remain at all times in the construction sites.
- 1.5 The Plans and Specifications shall be interpreted only by a competent registered Engineer/Architect. The Contractor is enjoined to confer with the Project Engineer of OETS on drawing/items he failed to understand before submitting his bid. No excuses shall be entertained for misinterpretation on the Plans and Specifications after the award of the Contract. All work as deemed provided by the OETS shall be carried out properly by the Contractor.
- 1.6 The Plans and Specifications are complimentary to each other, whatever is not mentioned in one but mentioned on the other shall be considered as if mentioned on both and shall

be carried out properly by the Contractor.

- 1.7 Any inconsistency or discrepancy between the Plans and Specifications shall be brought immediately to the attention of the OETS Project Engineer/s who shall decide the correct version of the two.
- 1.8 No addition or alteration that will result in a change order from the contract shall be allowed without the approval of the PGH Administration. The Contractor shall bring the case to the OETS Project Engineer/s.
- 1.9 One set of the Plans, Specifications and Log Book shall always be kept at the jobsite to be available to the Project Inspector or his representative upon his request during the construction period.
- 1.10 Prior to the installation of any item or material the Contractor shall submit sample with complete specifications to OETS for evaluation. In case of testing, the Contractor shall notify the OETS and End-user at least one week in advance of making the required tests so that the arrangements can be made for their presence to witness the tests. The necessary materials, labor, devices and all others required to conduct such tests at no additional cost the Owner.
- 1.11 The Contractor is solely responsible for the safety, protection, and security of his personnel, the works, equipment, installations and the like. The Contractor shall adopt or apply the protective measures in accordance with the standards set by the Safety Organizations and the Department of Labor Standards.
- 1.12 The Contract Period of this project is **SEVENTY FIVE (75) CALENDAR DAYS**.

2. SITE WORKS

2.1 Demolition/Dismantling

The procedures proposed for the accomplishment of salvage and demolition or removal works shall be submitted for approval. The procedures shall provide for safe conduct of the work, removal and disposition of materials specified to be salvaged, protection of property which is to remain undisturbed, coordination with other work in progress and timely disconnection of utility services.

2.2 Extent of demolition/dismantling and chipping works

- a. Demolition of concrete pad.
- b. Chipping of concrete topping and scrapping of existing waterproofing.
- c. Dismantling of steel casement window and demolition of masonry wall for the proposed door.

2.3 Disposition of dismantled materials

- a. Regular disposal of debris must be done to avoid accumulation. Cleanliness must be observed and maintained always. Dismantled materials that could still be recycled will be turn-over to OETS while the others will be for the disposal of the Contractor with the proper clearance of all concerned.

3. CONCRETING AND MASONRY WORKS

3.1. Scope of Works

- a. Concreting of an open slab (former exhaust duct)
- b. Concrete topping.
- c. Sealing/closure of Architectural panels opening of the adjacent building and building joint.
- d. Expansion of collar (if necessary, see drawing).
- e. Repair/re-plastering of cracks/loosened masonry plaster.

3.2 Materials

- a. Use Portland Cement, Type I, C-150, all throughout.
- b. Fine aggregate shall be washed sand.
- c. Coarse aggregate shall be gravel or crushed stone.
- d. Reinforcement shall be structural grade bars conforming to ASTM specifications
- e. Concrete mixture shall be Class "A".
- f. Concrete topping shall be 2" thick.
- g. 4" CHB, class "A".

4. WATERPROOFING AND FINISHING WORKS

4.1 Scope of works

- a. Application of Waterproofing
- b. Painting works

4.2 Materials

- a. Use Bituminous Torch-Membrane Applied Waterproofing, 3mm thick. Apply membrane waterproofing system as per recommendation by the manufacturer.
- b. Use Elastomeric paint in painting of parapet and building wall @ 0.90m height.

4.3 Preparation of surface prior to application of waterproofing

All surfaces to be waterproof must be thoroughly cleaned of dirt, dust and all loose materials. Laitance should be removed by wire brushing and any unsound materials should be cut out and the surface made good.

5. PLUMBING WORKS

5.1 Scope of works

- a. De-clog storm drain line.
- b. Diversion of storm drain lines
- b. Provision/installation of floor drain

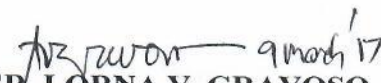
5.2 Materials

- a. Use PVC pipe and fittings, S-1000.
- b. Use Dome type floor drain, made of Cast Iron.

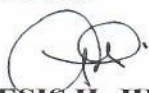
6. MISCELLANEOUS WORKS

- 6.1 Provision of door going to the roofdeck. Door shall be metal with metal jamb complete of door hardware and padlock.
- 6.2 Restoration of the affected areas.

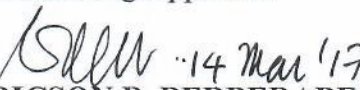
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