

ITEMS II.1 : REMOVAL AND STOCKPILING

SCOPE OF WORK

The work shall consist of furnishing all labor, materials, equipment and other incidentals necessary for the removal of existing damaged ceiling including frames and stockpiled to a designated location by the Engineer.

The stockpiled ceiling and frames shall be turned over to the Engineer after the completion of the project.

ITEMS II.2 : CEILING WORKS

Ceiling

1. PVC Ceiling Panel or Approved Equivalent

- a. Boarding exit – exterior

Locations are shown in the plan.

2. Marine Plywood or Approved equivalent

- a. Guardhouse - exterior

Locations are shown in the plan.

SUBMITTAL

- 1. Shop drawings for all finishing and painting works for the building shall be submitted in advance to allow twenty-eight days for review and approval. Shop drawings shall indicate materials and details of finishing works. The Contractor shall be responsible for all errors of detailing and fabrication, and for the correct finishing work items shown on the shop drawings.
- 2. The Contractor, before placing order for the finishing materials shall submit to the Engineer for approval representative samples of finishing materials. No placing of orders for material for finishing works shall be made without his approval.

ITEMS II.3 : TEMPORARY GENSET HOUSE

SCOPE OF WORK

The work shall consist of replacement of damaged roofing sheets including frames at the temporary genset house. The damaged roofing and frames shall be removed including frames and stockpiled to a designated location by the Engineer

A. ROOFING SYSTEM

1. Roofing System:

The roof shall be covered with **Gauge No. 24 Pre-painted metal roofing sheets Rib type**. All materials included herein shall be of pre-painted metal sheets

2. Truss/Rafters/Frames

The frames for the roofing shall be fabricated and installed with 2"x2" Angle Bars and 2"x3" C-Purlins. The metal frames shall be applied with metal epoxy primer.

INSTALLATION OF WINDOWS

1. Surface Preparation

Ensure surfaces to receive panels are structurally sound, even, smooth, clean, dry, and free from defects detrimental to work.

W-1 - 1.5mm thk. Aluminum Framed Powder Coated Sliding Type Window with 8mm Thk. Reflective, Tempered Brown Glass
(1.20m x 1.20m)

W-2 - 1.5mm thk. Aluminum Framed Powder Coated Framed Awning Type Window with 8mm Thk. Reflective, Tempered Brown Glass
(0.40m x 0.60m)

II.6 WATERPROOFING WORKS

GENERAL

General Requirements contain provisions and requirements essential to these specifications and apply to this Section, whether or not referred to herein.

SCOPE OF WORK

The work shall cover the waterproofing requirements for building as shown on the drawings.

The work shall consist of furnishing all labor, materials, equipment and other incidentals necessary for the integral waterproofing works where required as shown on the drawings and in accordance with the requirements of these specifications as directed by the Engineer.

SUBMITTAL

- 1. The Contractor shall submit for approval of the Engineer the name of the manufacturer nominated for the supply of materials and installation. Sub-contracting documents shall be submitted to the Engineer by the Contractor.
- 3. Waterproofing materials shall be applied only by an experienced applicator and shall be applied in accordance with the approved manufacturer’s application procedures or methods, approved by the Engineer.

PRODUCT HANDLING

Materials shall be delivered and dosed to the batching plant/s in the sealed drums and packages bearing the manufacturer’s name.

ALTERNATIVE

No substitution of materials shall be made unless authorized in writing by the Engineer prior to starting the work of waterproofing.

MINIMUM GUARANTEE PERIOD

The Contractor shall guarantee the work for a minimum guarantee period of ten (10) years. The Contractor shall make sub-contract agreement with approved manufacturer in which following conditions shall be included:

- 1. Minimum guarantee period of (10) years after the issuance of Take-Over Certificate.
- 2. The Contractor shall transfer all the rights to the Employer free of charge after the issuance of Taking-Over Certificate.

MATERIAL REQUIREMENTS

The concrete slab including parapet shall be applied with waterproofing compound or equivalent.

WATERSTOP

All construction joints, pipe projections, floor drains and tie rod points shall be using waterstop, a controlled expansion waterstop, an active butyl rubber based waterstop which activates after approximately 5 - 10 days of constant exposure to water. The waterstop material should not expand prematurely and should not absorb water from the fresh concrete poured against it.

FLOODTESTING

Floodtest for a duration of 48 hours shall be undertaken upon completion of waterproofing installation to determine any leakage or defect on the materials and/or workmanship.