

DESIGNS AND CONSTRUCTION

The following are the minimum documents/ information to be submitted by the winning bidder

- a. Proof of structural quality and integrity of a completed building, which used new materials/technology to be employed in the Project.
- b. Detailed engineering design (DED) analyses and computations.
- c. Quantity estimates for the buildings/structures.
- d. Detailed Construction Management Plan including Construction schedule.
- e. Supporting data:
 - (1) Simple longitudinal and cross sectional profiles of the Sub-Project site.
 - (2) Geotechnical investigation report (soil investigation/as applicable)/geological information report; and
 - (3) Building drainage design report

III ARCHITECTURAL DESIGN STANDARDS

The size of the classrooms must be 7 meters (m) in width/depth x 9 m in length measured from the centers of the walls.

a. Windows

- (1) The windows must be of the transparent or translucent, awning aluminum powder coated window.
- (2) The total area of window openings must be at least equal to 10 square meters (sqm) to provide for natural ventilation and illumination.
- (3) The window sill must not be lower than 600 millimeters (mm) and higher than 900 mm from the floor.
- (4) The window panels, when opened, must not be an obstruction along the corridor.
- (5) The window must allow the entry of daylight even if it is closed.
- (6) Window openings must be bilateral fenestration.

b. Doors

- (1) There shall be two (2) doors for every classroom.
- (2) The swing – out should be 180 degrees.
- (3) The doors must be 900 mm in clear width and 2,100 mm in clear height.
- (4) The doors must withstand normal wear and tear and shall be provided with keyed lever – type locksets or its equivalent.
- (5) PVC doors shall not be used. If doors made of materials other than metal are to be introduced by the Contractor, these must be fire-rated and thoroughly tested for toxicity (normal and burning conditions) and shall have the prior acceptance/approval by the CPDMO.