FORMAT FOR THE STRUCTURAL DESIGN REPORT
(To be prepared by the Submitting Engineer for submission to the Accredited Checker)

1. The title page should contain the following information:

   Name of the Project:
   Name of the Client:
   Address of the Client
   Name and Address of the Submitting Engineer:
   BEM Registration No. of the Submitting Engineer:
   Approving Authority and its Address:
   Approved Building Plan Approval No.
   Date on which construction work is due to commence:

2. The design report should include but not limited to the following information:

   a. Clear indication of the functional frame, load transfer and stability aspects of the structural scheme.

   b. Typical design data such as:
   i) Type of foundation structure
   ii) Concrete grades for the various structural elements
   iii) Design stresses for the materials used for construction, i.e. concrete and reinforcement bars
   iv) Imposed dead loads and live loads for the various structural elements
   v) Design wind speed
   vi) Minimum design lateral load due to wind load and notional load
   vii) Design codes of practices, standards and references used for the analysis and design
   viii) Engineering soft wares used for the analysis and design

   c. Sufficient design calculations to establish the form and size of all the principal structural element, both for the superstructure and substructure.

   d. Sufficient design calculations for the stability analysis and elemental design for the stabilizing frames and walls for the superstructure.

   e. General arrangement plans, sections to show the dimensions, layout and the disposition of the structural elements with reinforcements details.

   f. Complete structural details for temporary works with precautionary measures taken to avoid damages to adjacent properties

   g. Construction sequence for the structural works

   h. Specifications of the materials.