



Ministry of Education
Islamic Republic of Afghanistan

designed with RCC to allow additional storeys to be constructed for future expansion.

3.3 Foundation: The foundation for all school designs will be stone masonry with cement mortar and shall be according to the specifications and norms given in the Bills of Quantity.

3.4 Super Wall: Four types of super wall designs have been developed:

- (i) Burnt brick masonry with mortar
- (ii) Stone masonry with cement mortar
- (iii) Sun dried brick masonry with soil mortar
- (iv) Mud walls

3.5 Flooring: For all school designs the flooring should be compacted filling with PCC proportions at 1:2:4.

3.6 Roofing: Wooden beams where available or steel I-beam should be used for roofing. Where steel I-beam are used, super wall structure should be either burnt brick or stone masonry with mortar. Where wooden beams are used, planking, grass mat, clay and mud plaster should be used for insulation. Particular attention should be paid to slope while constructing the roof with wooden beams.

3.7 Finishing: Finishing work is different for each design and should be undertaken according to the specifications and norms given in the design and the Bills of Quantity.

3.8 Doors and Windows: Doors and windows have been designed to ensure adequate light in each room.

3.9 Compound Walls: All schools, particularly girls only schools, must have compound walls to ensure privacy and security.

3.10 Water & Sanitation: All school designs include one bore well with a hand pump to supply safe drinking water to the children. Numbers of latrines depend on the number of classrooms. For 3 to 6 classroom schools, four box latrines are recommended; for 7 to 10 classroom schools ten box latrines are recommended. In each case, disabled facilities are provided, one each for girls and boys.

3.11 Safety: Designs of schools have taken into consideration safety against earthquakes. In earthquake prone areas particular attention should be paid to the engineering norms and standards of the designs. It is strongly recommended that mud bricks are not used in earthquake prone locations.

3.11 Environment: Greening of school compounds is highly recommended for all designs. Local plant and tree species should be used as far as possible.