

## APPENDIX 13

### GENERAL CONDITIONS/REQUIREMENTS FOR PROVISION OF ATTIC SLAB ABOVE SUBSTATION AND LV ELECTRICAL ROOM.

(Refer section 11 of Regulations)

In principle there shall not be any wet facilities above the substation/Ring Main Unit Room/LV electrical room. Only in exceptional unavoidable cases this may be allowed at the discretion of the Authority and the following requirements must be fulfilled:

1. A Reinforced Concrete Attic slab above the entire substation/Ring Main Unit Room/LV electrical room shall be provided.
2. The entire attic slab and floor slab above including the vertical sides above attic slab shall be waterproofed by an approved system.
3. The consultant shall be fully responsible for supervision of the waterproofing works, during execution and testing of waterproofing.
4. All pipes, joints, trap, etc. running in wet areas shall be wrapped with approved Waterproofing membrane.
5. The void between floor and attic slab shall be minimum 60cms clear height. Access to the void above attic slab shall be 120cm x 60cm fitted with aluminum louvered door. The void shall not be used for any other purpose and shall have permanent lighting arrangement. Drain pipe to be provided for the attic slab to drain out any water leakage through floor slab. Tiles are not compulsory above attic slab.
6. The consultant shall forward complete floor plans showing location of Wet Area and substation/Ring Main Unit Room/LV electrical room. Extent of attic slab shall be clearly marked in the plans. Typical cross sections through the Wet Area/ substation/Ring Main Unit Room/LV electrical room and Attic Slab shall be shown in the drawings including waterproofing arrangement/systems/materials.
7. Refer checklist below for attic slab construction:

Sr. No	Description
1	Reinforced concrete attic slab above entire substation/ring main unit/LV
2	A clear depth (void) of 600mm between attic slab and floor slab.
3	An access aluminum louvered door of 1200x600mm to above clear depth (void) from outside substation
4	Water proofing of attic slab , floor slab above attic slab and vertical side walls
5	Water proofing of attic slab , floor slab above attic slab and vertical side walls
6	Drain pipe of 1.5" dia projecting out of the attic slab