

## SPECIFICATIONS FOR CONSTRUCTING RCC STRONG ROOM

The strong room is a complete reinforced cement concrete structure. The specifications for strong room for Branch shall be as per IS 15369:2017 (reaffirmed 2022) and the same is reproduced as below :

I. **WALLS** : R C C 1:1.5:3 (M20 grade) 30 cm (12”) thick (excluding plastering)

II. **FLOOR & ROOF** :

For New Construction :

R C C 1:1.5:3 (M20 grade) ) 30 cm (12”) thick.

The slab in such case will have to be designed to allow for the dead and super imposed loads.

For Existing Building :

15 cm (6”thick) reinforced floor over the existing RCC flooring/slab ( the strength of the slab in such case will have to be checked to allow for the additional dead and super imposed load).

**Ceiling** : MS Grill below the existing RCC slab, if existing slab is retained.

Grills made of mil steel/tor steel/ TMT bars of 20 mm thickness, spaced 75 mm c/c in both directions in 60mmx60mmx6mm angle iron frame work spaced at 900mm c/c in both directions fixed to an all round framework using the same L angles.

III. **THE MINIMUM REINFORCEMENTS::**

**WALLS** : 12 mm dia mild Steel/tor steel/TMT steel rebars @ 6”c/c both ways and on both faces of the wall (a formation of reinforcement matt of about 6”x 6”) on either face of the wall to be obtained.

**FLOOR:** Same as in the case of walls but only on one face.

**ROOF:** Same as in the case of walls if new slab is being constructed.

Further where reinforcement is proposed on two faces of a RCC member, it shall be staggered in such a manner that any view taken at right angles to the matt formation would show reinforcement at every (3”) c/c in elevation ( in respect of walls) and in plan ( in respect of ceiling slab). The above reinforcements are only the minimum and depending on the structural requirements, the structural consultants for the work, should design and detail out actual reinforcements required but these shall not be less than what are specified above.

IV. **COLUMN SIZES** :

Two columns of 10"x10" size with 6 nos of 12 mm dia steel main rods and 6 mm dia binder rods are to be done only after fixing the door and ascertaining the plumbline.

- V. **AIR VENTILATORS** : To be supplied by the Bank and to be fixed by the landlord, with assistance of the supplier.

Over all opening 24"x24"

Clear opening 18"x18"

Height from floor level: 2100 mm minimum

- VI. **STRONG ROOM DOOR (WITH GRILL GATE)** - will be supplied by the Bank (1.2 Tonnes on a base area of 1.2m x 0.3m) and fixed by the landlord. The opening size shall be as per manufacturer.

VII. **ELECTRIC WIRING**

It must be noted that the electric wiring should be arranged separately for the strong room and it is connected to a plug outside. In effect when the plug is removed there should not be live electric wires in the walls, roof or floor of the strong room. Plug points at four top corners & four bottom corners are to be provided inside the strong room apart from regular lights.

Electric switch boards etc., inside the vault should not be concealed or embedded in the walls, as it will reduce the effective thickness of the walls. All fittings must be exposed/ provided on the face of the wall.

- VIII. **CONSTRUCTION SUPERVISION:** Under the supervision of Bank Engineer/Bank's panel engineer

Signature of the offerer/s

Place:

Date: