

GENERAL NOTES

DESIGN CODES-

a.This building is designed according to BNBC-2020, ASCE 7-10 & ACI 318-08.

b.Considered Gravity Loads-

- I. Self weight.
- II. Wall load 0.5 kip/ft, 0.2 kip/ft, 0.1 kip/ft
- III. Floor finish =25 psf
- IV. Partition wall load= 41 psf
- V. Live loads-
 - 42 psf as floor live load.
 - 100 psf as stair live load.
 - 100 psf as roof live load.

c.Seismic load calculation-

Zone-III
Framing type- IMRF
Soil classification- SD
Response reduction factor, R=5

d.Wind load calculation-

Basic wind speed= 50.6 m/s

MATERIALS-

a.Concrete:

fc' (PSI)	Mixing Ratio	Fine Aggregate	Coarse Aggregate	Structural Items
	cement : sand : coarse aggregate	FM		
3500	1 : 1 ½ : 3	Sand of FM 1 ~ 1.5(33%) Sand of FM 2 ~2.5 (67%)	Stone chips	Column.
3500	1 : 1 ½ : 3	Sand of FM 1 ~ 1.5(50%) Sand of FM 2 ~2.5 (50%)	Stone chips	Grade Beam
3000	1 : 1 ½ : 3	Sand of FM 1 ~ 1.5(50%) Sand of FM 2 ~2.5 (50%)	Brick chips	Floor Beam,Bottom Slab of Machine Room

i) Curing time minimum 22 ~28 days..

ii) Method of curing :

- horizontal surface : Ponding
- Vertical Surface : wrapping with hassian cloth and sprinkling water by hose pipe frequently.

iii) WATER CEMENT RATIO : 0.45 (20 Liter per bag cement)

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Scale N/A

LAND'S OWNER-

NAME: MOST. Morium Begum
W/O: S M Abdul Bari
Nayan Moor, Sirajganj.
MOUZA: Sayadhangora

LAND PARTICULARS-

MOUZA: SAYADHANGORA
J.L No:85
KHATIAN NO:SA- 270, RS-2057
Plot No: SA- 1937, RS-1421

DRAWN BY-

#team_BEC

DESIGN BY-

#team_BEC

CONSULTANT-

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