

# G+6 RESIDENTIAL BUILDING

## ABOUT PROJECT

LOCATION :- MUMBAI

MATERIAL :- RCC

BUILDING DIMENSION :-

22 M X 11M

STOREY HEIGHT :- 2.9M

## LOADS APPLIED

1. GRAVITY LOADS
2. DYNAMIC EARTHQUAKE LOADS
3. STATIC WIND LOADS

## ANALYSIS & CHECKS

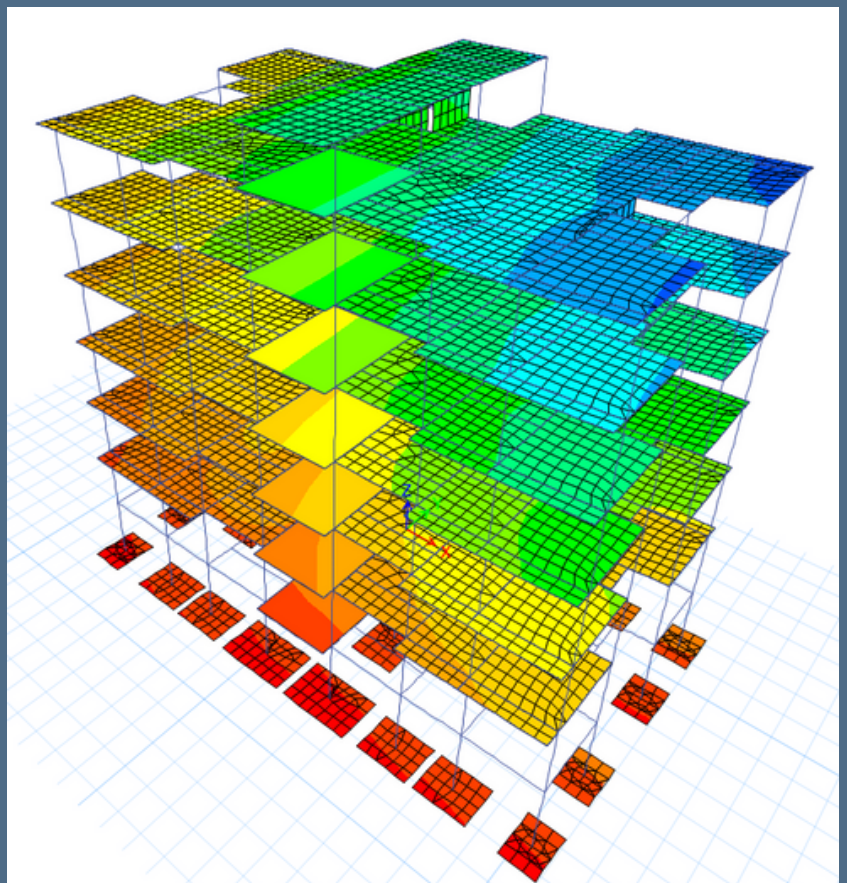
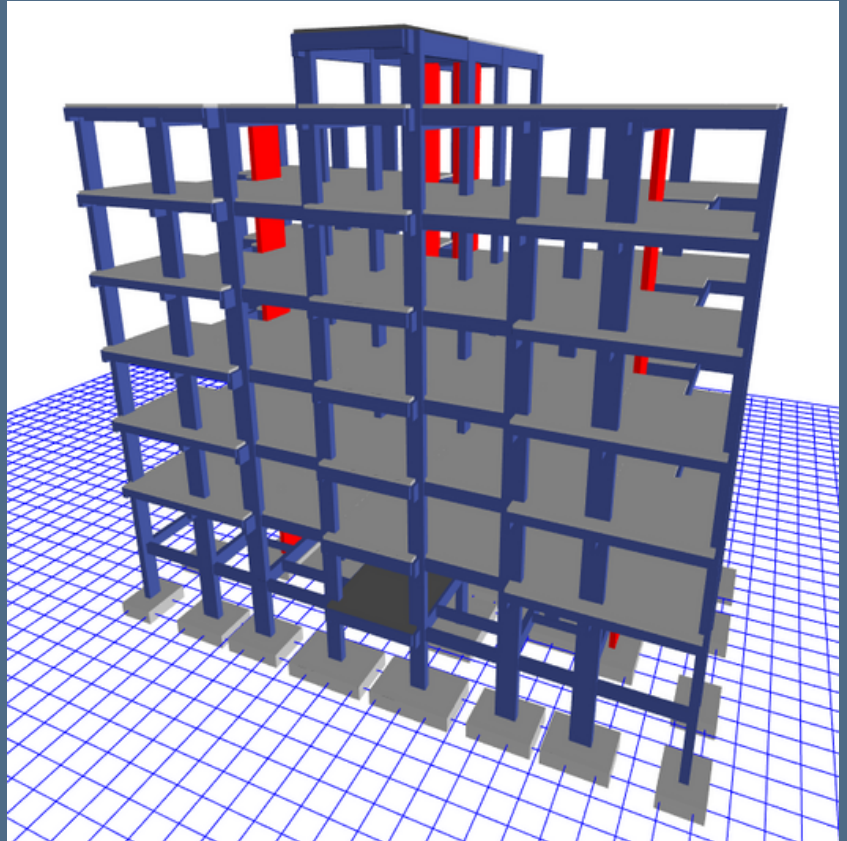
1. MODAL ANALYSIS
2. P- DELTA ANALYSIS
3. SMF
4. DRIFT & DISPLACEMENT
5. TORSIONAL IRREGULARITY CHECK
6. SOFT STOREY CHECK
7. RESPONSE SPECTRUM ANALYSIS
8. SOIL STRUCTURE INTERACTION

## FOUNDATION DETAILS

1. TYPE:- ISOLATED FOOTING
2. SBC:- 300 kN/M<sup>2</sup>
3. PERMISSIBLE SETTLEMENT:- 25MM

## SUBSTRUCTURE CHECKS

1. BEARING PRESSURE
2. SETTLEMENT
3. PUNCHING SHEAR CHECK
4. CRACKWIDTH



# G+2 CAMP OFFICE

## ABOUT PROJECT

LOCATION :- NEELMANGALA,  
KARNATAKA  
MATERIAL :- RCC  
BUILDING DIMENSION :-  
22 M X 13M  
STOREY HEIGHT :- 3.5M & 4.5M

## LOADS APPLIED

1. GRAVITY LOADS
2. STATIC EARTHQUAKE
3. DYNAMIC EARTHQUAKE  
LOADS

## ANALYSIS & CHECKS

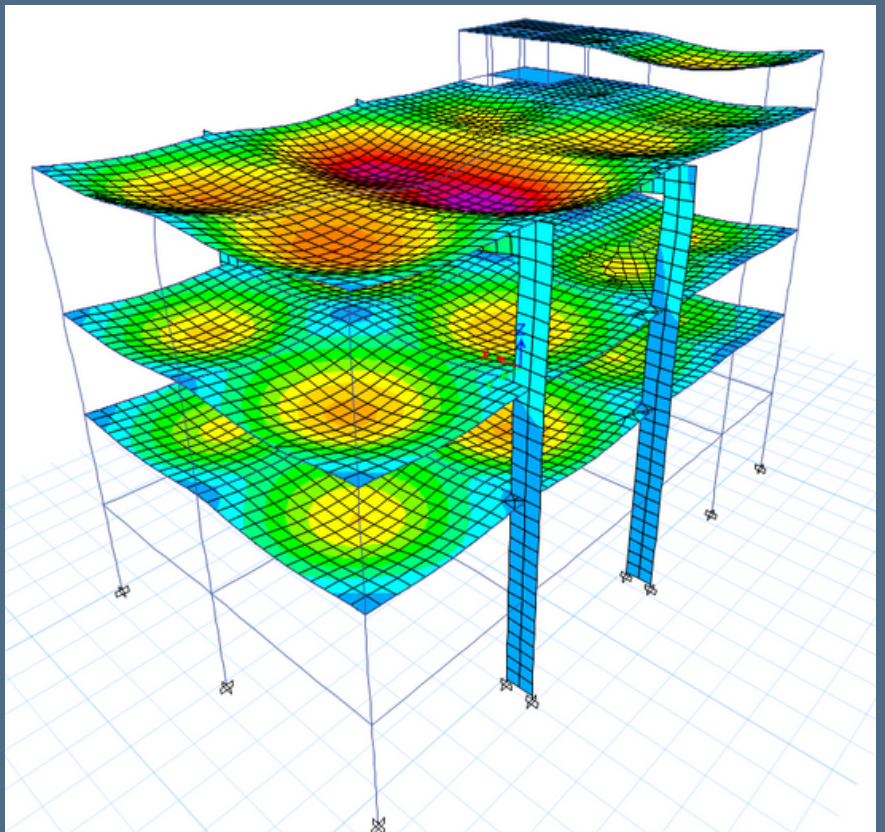
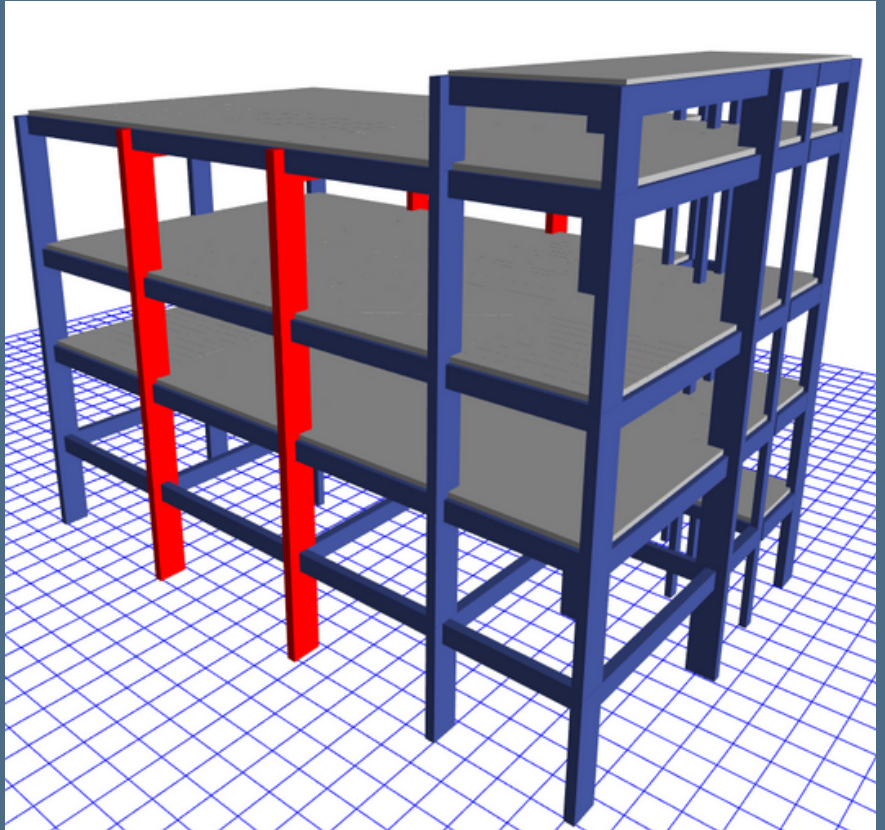
1. MODAL ANALYSIS
2. P- DELTA ANALYSIS
3. SMF
4. DRIFT & DISPLACEMENT
5. TORSIONAL IRREGULARITY  
CHECK
6. SOFT STOREY CHECK
7. RESPONSE SPECTRUM  
ANALYSIS
8. SOIL STRUCTURE  
INTERACTION

## FOUNDATION DETAILS

1. TYPE:- ISOLATED FOOTING
2. SBC:- 300 kN/M<sup>2</sup>
3. PERMISSIBLE SETTLEMENT:-  
25MM

## SUBSTRUCTURE CHECKS

1. BEARING PRESSURE
2. SETTLEMENT
3. PUNCHING SHEAR CHECK
4. CRACKWIDTH





# G+24 RESIDENTIAL BUILDING

## ABOUT PROJECT

LOCATION :- MUMBAI  
MATERIAL :- RCC  
BUILDING DIMENSION :-  
33.3 M X 10.65M  
STOREY HEIGHT :- 3M

## LOADS APPLIED

1. GRAVITY LOADS
2. STATIC EARTHQUAKE
3. DYNAMIC EARTHQUAKE LOADS

## ANALYSIS & CHECKS

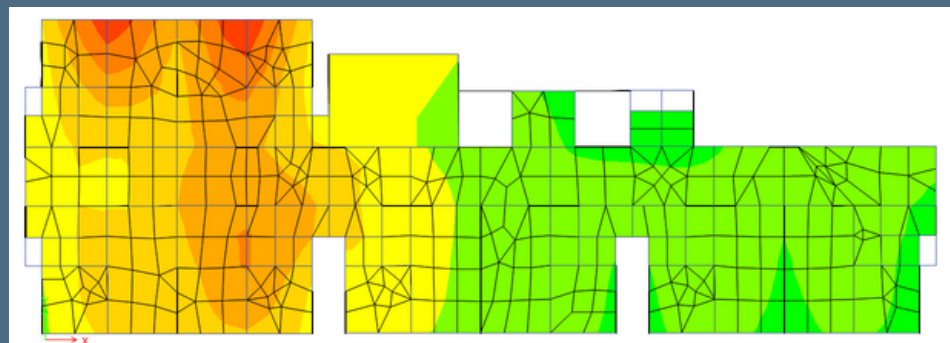
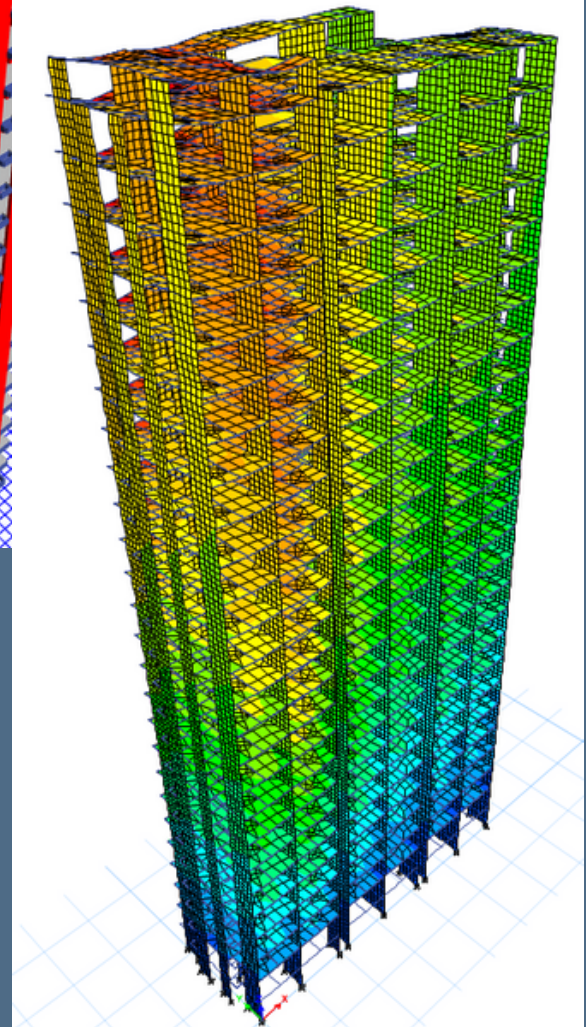
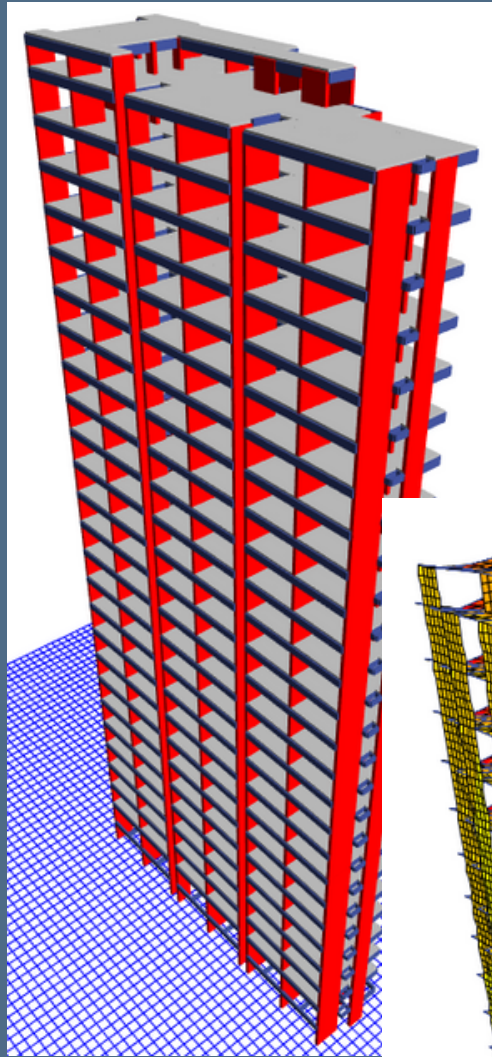
1. MODAL ANALYSIS
2. P- DELTA ANALYSIS
3. SMF
4. DRIFT & DISPLACEMENT
5. TORSIONAL IRREGULARITY CHECK
6. SOFT STOREY CHECK
7. RESPONSE SPECTRUM ANALYSIS
8. BUCKLING ANALYSIS
8. SOIL STRUCTURE INTERACTION

## FOUNDATION DETAILS

1. TYPE:- PILE + RAFT
2. SBC:- 110 T/M2
3. PERMISSIBLE SETTLEMENT:- 5MM

## SUBSTRUCTURE CHECKS

1. BEARING PRESSURE
2. SETTLEMENT
3. PUNCHING SHEAR CHECK
4. CRACKWIDTH





# G+16 COMMERCIAL BUILDING

## ABOUT PROJECT

LOCATION :- MUMBAI

MATERIAL :- RCC

BUILDING TYPE :- FLAT SLAB

BUILDING DIMENSION :-

33.3 M X 10.65M

STOREY HEIGHT :- 3M

## LOADS APPLIED

1. GRAVITY LOADS
2. STATIC EARTHQUAKE
3. DYNAMIC EARTHQUAKE LOADS

## ANALYSIS & CHECKS

1. MODAL ANALYSIS
2. P- DELTA ANALYSIS
3. SMF
4. DRIFT & DISPLACEMENT
5. TORSIONAL IRREGULARITY CHECK
6. SOFT STOREY CHECK
7. RESPONSE SPECTRUM ANALYSIS
8. BUCKLING ANALYSIS
9. PUNCHING CHECK
8. SOIL STRUCTURE INTERACTION

## FOUNDATION DETAILS

1. TYPE:- PILE AND PILE CAP
2. SBC:- 110 T/M2
3. PERMISSIBLE SETTLEMENT:- 5MM

## SUBSTRUCTURE CHECKS

1. BEARING PRESSURE
2. SETTLEMENT
3. PUNCHING SHEAR CHECK
4. CRACKWIDTH

