

REPORT ON EARTHQUAKE MANAGEMENT IN ARCHITECTURE

THE TECHNO LEGAL REGIMES :-

1. LOCATION CLEARANCE,
2. TECHNICAL CLEARANCE,
3. BROADENING THE BASE FOR CODAL PROVISIONS,
4. BUILDING FINANCE LINKED PROVISIONS,
5. MATERIAL SAFETY ASSURANCE.

THE PROBLEMS CREATED ARE :-

1. DIRECT HAZARD,
2. LOSS OF CRITICAL FUNCTION,
3. RELEASE OF HAZARDOUS MATERIALS,
4. FIRE CAUSED BY NON-STRUCTURAL ELEMENTS.

IF YOU WANT TO AVOID THE LOSS, USE MORE NUMBER OF:-

1. COLUMNS, PIERS, FOUNDATIONS etc,
2. FLOOR SLABS, BEAMS, GIRDERS, RAFTERSS, TRUSSES, etc.

SPECIFIC RETROFICATION STRATEGIES:-

1. CLASSIFICATION OF BUILDINGS AS PER FUCTION AND STRUCTURAL SYSTEMS.
2. INVENTORY OF NON-STRUCTURAL COMPONENTS FOR DIFFERENT CATEGORIES OF BUILDINGS, SCHOOLS, HOSPITALS, etc.

CONCLUSION

1. NEED TO FIND MORE SPECIFIC PROBLEMS OF NON-STRUCTURAL ELEMENTS IN RC BUILDINGS OF INDIA.
2. DEVELOPMENTS OF MANUALS WITH INDIGENOUS TECHNOLOGIES.