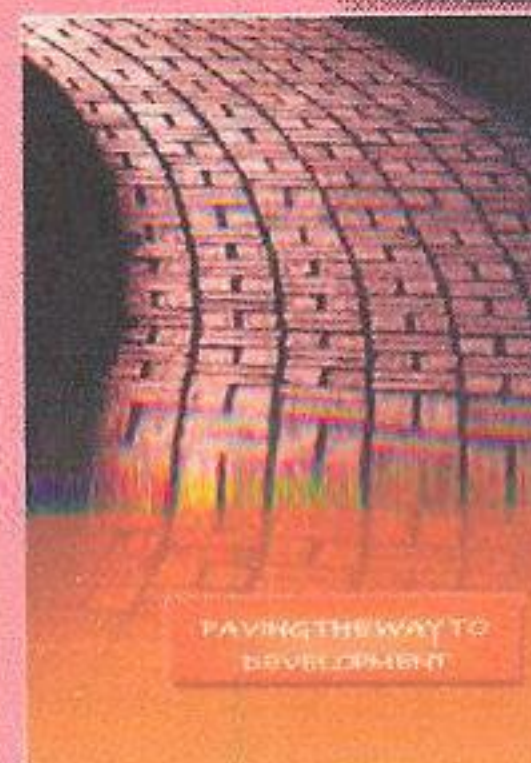


# PLANNING AS A TOOL FOR DISASTER RISK REDUCTION



The earthquake of October 2005 left unflinching scars not only on the hearts of the people, but on the books of history of our negligence... our ignorance to planned development....it has caused us precious lives and terribly taught us the lesson to plan our future developments; we must in future while planning new communities;

- Provide open spaces in neighborhood centers and all public buildings with open access to be used in case of emergencies
- Provide well equipped Trauma Centers and Rehabilitation Centers in Disaster prone areas
- Set backs and distance between buildings should be as per planning standards
- Width of roads should be enough to facilitate emergency vehicles and it should be free from all sorts of encroachments
- Large buildings should be constructed only after clearance from geotechnical experts, with proper engineering solutions and minimum cutting filling of natural soil
- More than one access to be provided to buildings of public concentration
- Organizations should be made to safe guard vulnerable groups
- Mechanism should be framed to restore economy at earliest after emergencies
- Land slide prone areas must not be used for buildings



**NATIONAL  
ENGINEERING  
SERVICES PAKISTAN  
PVT. LTD.**