

**Details about Vulnerability Atlas and its usage for disaster management activities.**

The Vulnerability Atlas created by Building Materials and technology Promotion Council (BMTPC) was updated in 2019. It was released by the Hon. Prime Minister on 2nd March, 2019 at New Delhi. This atlas gives the latest information regarding vulnerability of housing stock to earthquakes, cyclones; floods, landslides and thunderstorms.

The State Governments have the basic mandate for management of disasters and the executive actions are taken at the district levels with the District Collector playing the pivotal role. This Atlas provides some ready information, though at macro-level, for use of the authorities involved in the tasks of disaster mitigation, preparedness and preventive actions. A glance at the hazard maps will bring to the notice of the district authorities, the location and percent areas of the districts most susceptible to hazard occurrence, the probable maximum hazard intensities, the type of housing and its vulnerability and risk to the hazards.

Knowing the extent of the problem of future disasters, the district authorities can formulate development plans for (a) preventive actions like hazard resistant construction, retrofitting and upgrading/retrofitting of existing buildings, (b) mitigating the intensity and extent of the disasters, (c) early warning system installation and drills for its use, (d) instituting a hierarchical structure for preparedness down to the village level, (e) training of manpower in various tasks in the emergency (f) implementation of land zoning regulations in flood plains and coastal areas, and building bylaws with disaster resistant features in various towns and cities, etc. (g) supporting land use zoning and urban planning (h) integration of DRR with development and (i) supporting in locating industries and other development projects.

Similarly, various Ministries can use this atlas to make all the structures under their jurisdiction disaster resilient, infrastructure constructed and maintained by them hazard resistant and people/economic activities less susceptible. It is urged by the Hon. Prime Minister that all the construction and building related tenders may utilise this vulnerability atlas as a guiding factor, to arrive at the cost which will include Disaster Resilience.

\*\*\*\*\*