

3.4.3 Landslide

Landslide also known as mud flows, debris flows, earth failures, slope failures etc can be triggered by rains, floods, earthquakes and other natural causes as well as human made causes leads to massive destruction in state, need to take effective and sustained mitigation measures. Various measures, structural and non-structural, have been described below;

Table 12 : Structural & Non-Structural Measures

| S. No. | Task | Activities | Responsibility |
|----------------------------|--|--|--|
| Structural Measures | | | |
| 1 | Hazard zonation | <ol style="list-style-type: none"> To undertake micro zonation study according to priority area To provide or make available landslide micro-zonation map Provide vulnerability and risk assessment map | <ul style="list-style-type: none"> ◆ SDMA ◆ SRSAC ◆ Dept of Sc & T. ◆ GSI ◆ Dept.of UD & Housing ◆ Dept.of Town Planning ◆ PRIs/ ULBs ◆ District Admn. |
| 2 | Geological & Geotechnical Investigation | <ol style="list-style-type: none"> To carry out detailed geological & geotechnical investigation on major landslide | <ul style="list-style-type: none"> ◆ SDMA/SEC ◆ GSI ◆ Line Depts./ agencies ◆ DDMA/District Admn. |
| 4 | Landslide risk treatment, monitoring & forecasting | <ol style="list-style-type: none"> Landslide remedial & improvement techniques Strengthening of buildings & safety of critical facilities Monitoring & early warning system | <ul style="list-style-type: none"> ◆ GSI ◆ Dept of Sc & T ◆ SRSAC ◆ All Line Deptt/ Agencies ◆ SEOC/ DEOC/Police ◆ Control Room ◆ District Admn. |

| Non Structural Measures | | | |
|-------------------------|-------------------|--|---|
| 1 | Capacity Building | <ol style="list-style-type: none"> 1. Departmental Landslide contingency plan 2. Ensure landslide related departmental action plan and SOP 3. Provide training. | <ul style="list-style-type: none"> ◆ SDMA/SEC ◆ GSI ◆ All Line Dept/ agencies ◆ ATI/ SIRD ◆ District Admn. |
| 2 | Awareness | <ol style="list-style-type: none"> 1. Awareness on landslide risk reduction 2. Community awareness and preparedness on landslide | <ul style="list-style-type: none"> ◆ SDMA/ DDMA ◆ GSI ◆ Resource Institutes ◆ All Line deptt/ agencies ◆ ATI/ SIRD ◆ District Admn. |