



Instituto do Petróleo e Geologia – Instituto Público (IPG)

Geo-Hazard Division

Term of Reference

GIP

(Landslide)

1. Goals

- 1.1 The GIP member of the Division of Geological Risks should help to maintain manage and disseminate the information regarding the geological risks, the hydrogeology and engineering geology; must help in the implementation of GIS and databases related to the geological areas activity.
- 1.2 Participate in Conducting geo-hazard studies to provide information for use in regional development, site selection, and the development of public works projects;
- 1.3 Assist in Identify risks for natural disasters such as mud slides, and provide advice on ways in which potential damage can be mitigated;
- 1.4 Assist and provide relevant information and data to establish landslide susceptibility assessment of Timor-Leste.

2. Specific Tasks

- 2.1 Involve in Generation or review of standard operational procedure (SOP) with full support from manager and or Director of Division.
- 2.2 Participate and assist to Develop landslide investigation and identify the prevention plan in the area of occurrences;
- 2.3 Using the appropriate software for modeling the landslides hazards;
- 2.4 Involve in Identify the causes, failures mechanism and geological factor that cause the landslide hazards;
- 2.5 Participate in Identify the different type of landslide hazards occurred in the national territory;
- 2.6 Involve in Identify and zoning the different depth of landslide and calculate the factor of safety to produce the following maps.
- 2.7 Using geological mapping, aero photo or satellite image, detecting slope hazards and determining the likelihood of landslide occurrence;
- 2.8 Participate in Identify and produce map of hazard zoning map, susceptibility map and Risk zoning map for each districts.
- 2.9 Provide data and information to the officer in Writing technical reports and scientific papers for journals, as a contribution for IPG

3. General Tasks

- 3.1 Participate in the activities of geological mapping in relation to geological hazards, hydrogeology and engineering geology;
- 3.2 Maintain himself up to date through active participation in short courses, workshops and other activities of self development;
- 3.3 Participate in execution of all activities according to the daily, weekly, monthly and annual work plans defined and ensure the regular functioning of the division;
- 3.4 Carry out any other duties as directed by the manager, senior management or director of Division.

4. Performance indicators

- 4.1 Report and record of all information about landslide occurrence around the Timor Leste Island;
- 4.2 Individual report of daily, weekly, and monthly result to the Manager or Director of Division;
- 4.3 The performance indicators should be set semester in agreement with the division head and aligned with the IPG internal policy.