

Government Circular DMB1/82/2023/DMD dated 18-12-2023

Checklist for detailed natural disaster impact assessment

Name of Project			
Proposing department			
Location of the project		Latitude	Longitude:
Elevation			
History of disasters that have hit the proposed area or any location within 1 km radius of the proposed area (Type of disaster and year of occurrence)			
Depth of flood level (m)			
Type of project (Select from the ones below)			
<p>Communications: towers, lines, building; Transportation: Roads, Railways, Bridges, Tunnels; Power: Power houses, sub stations, power lines; Water Resources: Dams, barrages, appurtenant structures, tunnels, river training structures, Canals; Habitations: townships- planning from the point of view of safety against hazards; Water supply and sanitation projects including water supply and sewer lines; Ports & Harbors; Building projects; Any other</p>			
Hazards Risk to the project		Have the following been evaluated?	
<p>Probable maximum seismicity at site and site dependant seismic design parameters; Probable Maximum storm surge; Probable Maximum wind speed; Probable Maximum precipitation; Probable maximum flood discharge and level; Probability of occurrence of floods, earthquakes, landslides, mud flows, avalanches, cyclones, tsunamis</p>			
Mitigation/Reduction of Risk	<p>There are specific codes, manuals, guidelines etc. developed by Bureau of Indian Standards, NDMA, KSDMA and concerned organizations for siting, design, construction, and maintenance of various types of infrastructure.</p>		
Have the relevant BIS Codes and guidelines been complied with			
Have adequate safeguards to meet the risks of natural hazards as evaluated at Para 3 above been adopted			
Have an environmental and social impact assessment been undertaken?			
Has any study been made to assess the collateral damage probability of the project? [Major calamities may cause collateral damage such as damage to pipelines, storages			

of chemicals, peak maximum flood exceedance may result in dam break etc.]	
Does the project cross any natural waterways? If yes have adequate provision been made to not restrict natural flow of water?*	
<p><i>*Vide SRO. No. 828/2019 dated 8-11-2019, the Kerala Municipal/Panchayath Building Rules have been amended and Section 22 (4) has been inserted as follows "No construction shall be made to obstruct the natural drains and streams in a plot. Failure to comply with this instruction will invite penalization under Section 51 of the Disaster Management Act, 2005 (Central Act, 53 of 2005)".</i></p>	