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*PROBLEMS ON SLOPE STABILITY*

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authorship to bring together  
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causes of landslides,  
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The slope stability analysis  
is crucial in engineering

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Developments ensure the stability of structures and prevent loss of human life and money. The common methods for the analysis of a slope's stability are Culmann Method, Ordinary Method of Slices and Bishop Method of Slices. These methods are developed on the assumption that the plane of failure is circular arc, apart from the Culmann method that assumes a plane surface of failure through the toe of the slope.

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Slope Stability - The  
Constructor - Civil  
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Methods to improve and

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protect slope stability. Slope stability can be improved by taking following actions. Slopes are made flattened or benched. Weight provided at toe. Lowering of ground water table to reduce pore pressure in the slope. Use of driven or cast-in place piles. Retaining wall or sheet piling provided to increase resistance to sliding.

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Factors affecting slope  
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the most important and  
delicate problems in civil  
engineering, particularly  
encountered in large and  
important projects such as  
dams, highways and tunnels.  
Many techniques...

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Slope stability analysis is  
a static or dynamic,

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analytical or empirical method to evaluate the stability of earth and rock-fill dams, embankments, excavated slopes, and natural slopes in soil and rock. Slope stability refers to the condition of inclined soil or rock slopes to withstand or undergo movement. The stability condition of slopes is a subject of study and research in soil mechanics, geotechnical engineering and engineering geology. Analyses are generally aimed at understanding the cau

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should ensure that it is  
suitable for the ground  
conditions to prevent risks  
due to unstable land or  
subsidence. Before any  
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course provides a comprehensive introduction to the subject of slope stability, from initial classification through assessment and analysis to remediation.

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