

# INVESTIGATE STUDY OF SLOPE PROTECTION MEASURES AGAINST DEBRIS FLOW ON SLOPE

Prepared by: Bong Xenn Chenn

## ABSTRACT

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The objective of this report is to study and examine *Gabion Retaining Wall* as a better slope protection measure against debris flow on slope. In this report, a few protection methods namely *riprap slope protection, rock slope protection, rigid surface protection, soft surface protection, concrete retaining wall* were identified and compared against *Gabion retaining wall*. Gabion is found to be more appropriate and sustainable under today's challenging environment due to its unique characteristics of being flexible, functional economical, durable, permeable, environmental friendly. Although it has a few limitations in nature, technical solutions are found to overcome them and improve Gabion to be a more suitable choice against debris flow.