

**GEO Technical Guidance Note No. 33 (TGN 33)  
Supplementary Technical Guidance on Design of Rigid Debris-resisting  
Barriers**

---

Issue No.: 1	Revision: -	Date: 24.8.2012	Page: 1 of 1
--------------	-------------	-----------------	--------------

---

**1. SCOPE**

- 1.1 This Technical Guidance Note (TGN) promulgates GEO Report No. 270 entitled "Supplementary Technical Guidance on Design of Rigid Debris-resisting Barriers" (Kwan, 2012).
- 1.2 Any feedback on this TGN should be directed to Chief Geotechnical Engineer/Standards & Testing of the GEO.

**2. TECHNICAL POLICY**

- 2.1 The technical recommendations referred to in this TGN were agreed by GEO Geotechnical Control Conference on 3 August 2012.

**3. RELATED DOCUMENTS**

- 3.1 Lo, D.O.K. (2000). *Review of Natural Terrain Landslide Debris-resisting Barrier Design (GEO Report No. 104)*. Geotechnical Engineering Office, Hong Kong, 91 p.
- 3.2 Kwan, J.S.H. (2012). *Supplementary Technical Guidance on Design of Rigid Debris-resisting Barriers (GEO Report No. 270)*. Geotechnical Engineering Office, Hong Kong, 88 p.

**4. BACKGROUND**

- 4.1 A review of the design of rigid debris-resisting barriers has been carried out. The findings and recommendations are given in GEO Report No. 270 by Kwan (2012). This GEO Report supplements and updates the relevant parts of Lo (2000).

**5. TECHNICAL RECOMMENDATIONS**

- 5.1 The recommendations given in GEO Report No. 270 "Supplementary Technical Guidance on Design of Rigid Debris-resisting Barriers" (Kwan, 2012) should be followed.

(Y C Chan)  
Head, Geotechnical Engineering Office