

Recommended Native Plant Species for Use in Planting on Man-made Slopes

*(Information in this Appendix is modified from
CEDD GEO Technical Guidance Note No. 20, Issue No. 1, Revision A)*

For ecological enhancement, more self-regenerating species, in particular the native species with strong pioneering characteristics, should be introduced into the vegetation mixes. Native species can provide habitats for birds and insects. They can also enhance biodiversity, natural succession, and sustainability of slope vegetation covers. For soil slopes without a hard surface cover, planting of the native species listed in **Table 1** can be considered. These species, which have been proven to be successful and reliable as planned vegetation, are suitable for general use in greening slopes, preferably by means of pit planting directly on soil slope surfaces. In addition, as most of them provide fleshy fruit resources for seed dispersers, they can be particularly used on slopes where there are no existing mature, native trees to attract seed dispersers for increasing seed input for natural regeneration of slope vegetation or where the slopes are highly isolated from natural seed sources.

2. The species in **Table 1** should be read in conjunction with the 'Plant Selection' and 'Suggested list of plant species for slope works' in Appendices E and F of GEO Publication No. 1/2011 – Technical Guidelines on Landscape Treatment for Slopes respectively.

Table 1 – Recommended List of Native Plant Species for Use in Planting on Man-made Slopes

<u>Botanical name</u>	<u>中文名稱</u>	<u>Growth habit</u> ³
<i>Ardisia crenata</i> ²	硃砂根 / 大羅傘	Shrub
<i>Bridelia tomentosa</i>	土蜜樹	Shrub or small tree
<i>Cyclobalanopsis championii</i>	嶺南青岡	Small tree
<i>Diplospora dubia</i>	狗骨柴	Shrub or small tree
<i>Garcinia oblongifolia</i>	嶺南山竹子 / 黃牙果	Small tree
<i>Gardenia jasminoides</i>	梔子 / 水橫枝	Shrub
<i>Gordonia axillaris</i>	大頭茶	Shrub or small tree
<i>Ilex viridis</i>	綠冬青 / 亮葉冬青	Small tree
<i>Litsea rotundifolia</i> var. <i>oblongifolia</i>	豺皮樟	Shrub
<i>Mallotus paniculatus</i>	白楸	Medium tree ¹
<i>Melastoma sanguineum</i>	毛檢	Shrub
<i>Melicope pteleifolia</i>	三椏苦	Shrub or small tree
<i>Microcos paniculata</i>	破布葉	Medium tree ¹
<i>Phyllanthus emblica</i>	餘甘子 / 油甘子	Shrub or small tree
<i>Psychotria asiatica</i> ²	九節	Shrub or small tree
<i>Reevesia thyrsoidea</i>	梭羅樹	Small tree
<i>Rhaphiolepis indica</i>	石斑木 / 車輪梅	Shrub or small tree
<i>Rhodomyrtus tomentosa</i>	桃金娘 / 崗檢	Shrub
<i>Rhus succedanea</i>	木蠟樹 / 野漆樹	Shrub or small tree
<i>Schefflera heptaphylla</i>	鴨腳木 / 鵝掌柴	Shrub or small tree
<i>Sterculia lanceolata</i>	假蘋婆	Large tree ¹
<i>Ternstroemia gymnanthera</i>	厚皮香	Small tree
<i>Zanthoxylum avicennae</i>	筲欖	Shrub or small tree

Notes:

1. Planting of medium or large tree species on slopes with gradient greater than 45° is not recommended for safety reason.

Appendix B

2. Shade-tolerant species that can be used particularly on heavily-shaded slopes.
3. Tree species are classified for convenience into the following groups according to their normal sizes in the wild –

Large tree = Tree with a normal height greater than 10 m and with a large crown.

Medium tree = Tree with a normal height much greater than 3 m but with a small crown.

Small tree = Tree with a normal height around 3 m.