

Specifications for fill material for the embankment walls of Dam1 and Dam 2.

**Table 1: Specification for Bulk Fill Material for Dam Embankment**

<b>Specifications for Bulk Fill Material for Dam Embankment</b>	
<b>Material Property</b>	<b>Specification</b>
	<b>Semi-Pervious</b>
% Passing 4.75mm	60 - 100
% Passing 0.425mm	30 - 100
% Passing 0.002mm (Clay Content)	<25
Liquid Limit	<25%
<b>Specifications for Shell Material</b>	
<b>Specifications for Bulk Fill Material for Dam Embankment</b>	<b>Specification</b>
	<b>Semi-Pervious</b>
Plasticity Index	<10
Linear Shrinkage	<5%
Standard Proctor Optimum Moisture Content	10 – 15%
Standard Proctor Maximum Dry Density	1600 – 1850kg/m <sup>3</sup>
Friction angle (saturated, drained triaxial)	30 – 35°
Cohesion (saturated, drained triaxial)	10 – 15kPa
Permeability	1 x 10 <sup>-7</sup> m/s