

Team Mocean Energy

Material List

Material	Surface Area [m ²]	Density [kg/m ³]
Steel	3,973	7,850
-		
-		

Representative Structural Thickness

Material	Low [cm]	Operational [cm]	High [cm]
Steel	5.34	5.88	7.03
-			
-			

Manufactured Material Cost

Material	Low [USD/Tonne]	Typical [USD/Tonne]	High [USD/Tonne]
Steel	\$2,250	\$3,000	\$4,500
-			
-			

Characteristic Capital Expenditure (CCE)

CCE = Total Surface Area (m²) x Representative Structural Thickness (m) x Density of Material (kgm⁻³) x Cost of Manufactured Material per unit Mass (\$kg⁻¹).

Material	RST [cm]	MMC [USD/Tonne]	CCE/material [\$]	TOTAL CCE [\$]
Steel	5.88	\$3,000	\$5,505,138	\$5,505,138

Notes/Comments