**C = 150 000N**$(\frac{Q}{s})^{0.30}$**-----if plant capacity is <60000 tonne/yr**

Whereby;

C = capital cost in pounds sterling

N = Number of functional units

Q = plant capacity, tonne per year

s = reactor conversion = X

Q= (5 kg/day) x (365 days/year) x (0.001 tonnes/kg)

 =1.825 tonnes/year

N = 1 (one reactor)

s= 0.98 =X

 C = 150 000(1) ($\frac{1.825}{0.98}^{(0.30)}$)

 =180, 759.99