**C = 150 000N-----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) ()

=180, 759.99