

$$CO_2=\left[ \left( IT\times C_{IT}\right) +\sum_{k=1}^p\left( M_k\times C_{M,k}\right) -\sum_{i=1}^n\left( IP_i\times C_{IP,i}\right) -\left( SL\times C_{SL}\right) -\left( R\times C_R\right) -\left( Rp\times C_{Rp}\right) \right] \times 3.664$$