

$$CO_{2,BOF} = \left[(MI \times C_{MI}) + (SC \times C_{SC}) + (FL \times C_{FL}) + (CAR \times C_{CAR}) \right. \\ \left. - (ST \times C_{ST}) - (SL \times C_{SL}) - (BOG \times C_{BOG}) - (R \times C_R) \right] \times 3.664$$