

Sr. no	Technology	Energy factor	Emission factor	Share (2015)
Cement (Source: Bhushan, 2009a)				
1	Ordinary Portland Cement (OPC) (95 %)	3.1 GJ MT ⁻¹ &	86.5 t GJ ⁻¹	56 %
2	Pozzolanic Portland Cement (PPC) (80 %)			31 %
3	Portland Slag Cement (PSC) (45 %)	82 kWh MT ⁻¹	0.99 kg kWh ⁻¹	12 %
4	Others (90 %)			1 %
Steel (Source: Morrow et al., 2014)				
		Energy (GJ MT ⁻¹)	EF (tCO ₂ t ⁻¹ steel)	
1	Electric Arc Furnace (EAF) – scrap based	6	0.5	14 %
2	EAF – gas based	15.9	1.55	11 %
3	EAF – Coal based	17	3.1	26 %
4	Blast Furnace – Basic Oxygen Furnace (BF-BOF)	16.4	2.8	49 %
Brick (Source: Venkataraman et al., 2018)				
		Energy (MJ kg ⁻¹ brick)	EF (tCO ₂ t ⁻¹ brick)	
1	Clamps	1.22	0.23	25 %
2	Bull's Trench Kiln (BTK)	2.91	0.1	66 %
3	zig-zag firing	1.05	0.1	8 %
4	Vertical Shaft Brick Kiln (VSBK)	0.74	0.1	1 %
5	Cement blocks	142.4	0	0 %