

# Case Study – Cost comparison of Commercial Building

G+4 Commercial Building (7400 sq meter)

Particulars	PEB – using Beams & Plates	PEB – using APL Apollo Steel Tubes
Total Steel consumption (Ton)	309.3	232.2
Raw Material (Rs/kg)	35.0	45.0
Conversion Cost (Rs/kg)	15.0	16.0
Transportation (Rs/kg)	1.0	1.2
Erection (Rs/kg)	5.0	5.0
Total cost (Rs/kg)	56.0	67.2
Project Cost (Rs Cr)	1.73	1.56

Benefits of  
using Steel  
Tubes

25% less  
material  
usage

10% saving in  
total project  
cost

\*High tensile steel material for plates and beams