Assignment

1. Determine the reinforcement required for a T-beam to resist a M u of 400kNm with the following data. Width of flange = 1250mm; Depth of flange = 100mm; Width of rib = 250mm; Effective depth = 550mm; Materials = M20 and Fe415.

2. Determine the reinforcement required for a T-beam to resist a M u of 900kNm with the following data. Width of flange = 1100mm; Depth of flange = 120mm; Width of rib = 275mm; Effective depth = 600mm; Materials = M20 and Fe500.