

IQRA NATIONAL UNIVERSITY

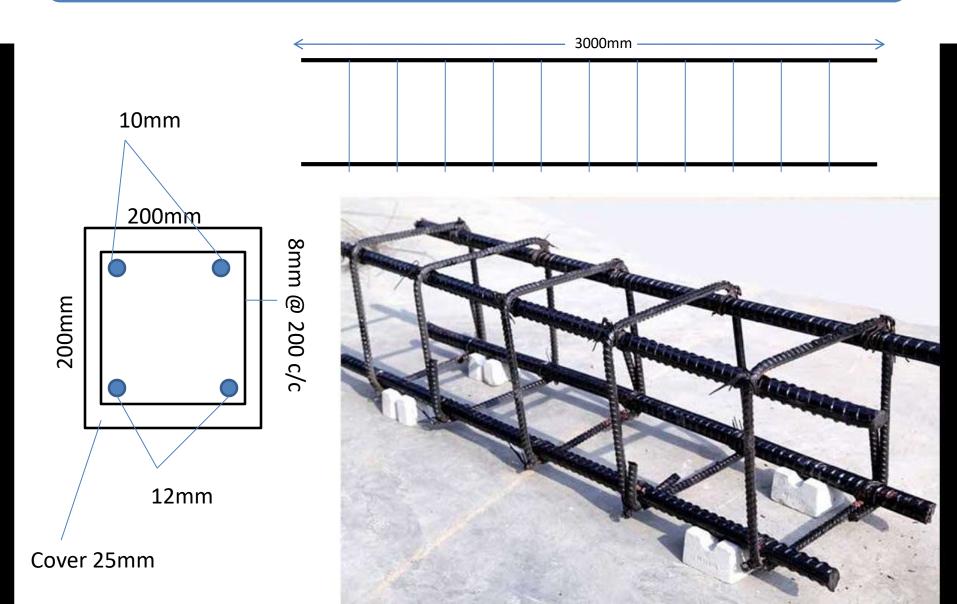
Quantity Survey & Estimation

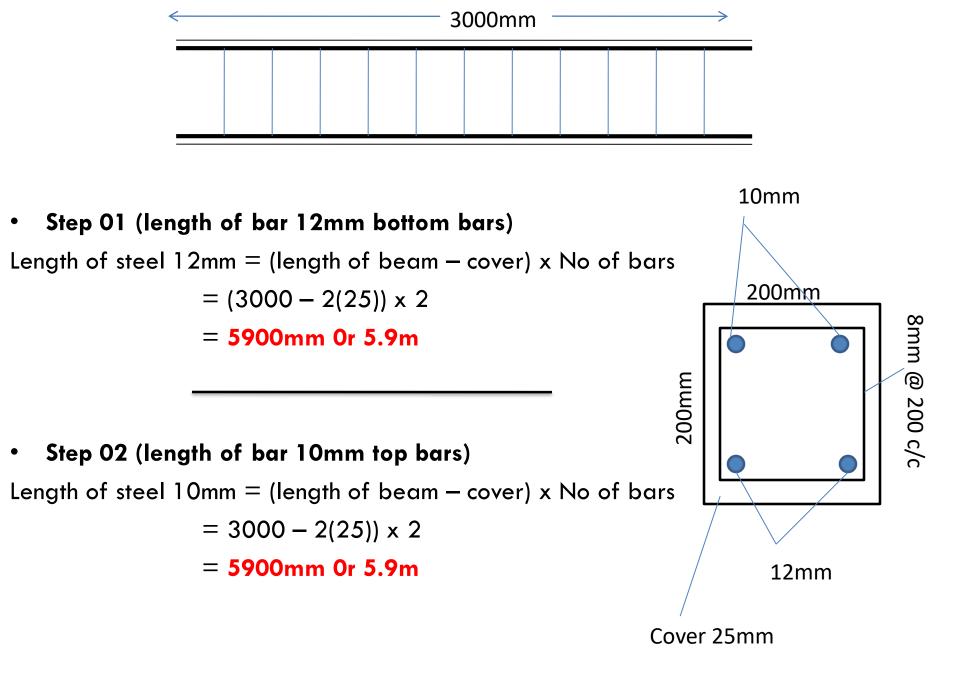
Lecture 04

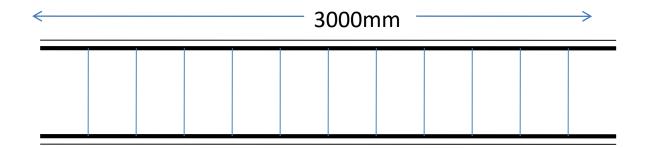
BAR BENDING SCHEDULE OF BEAM

PREPARED BY ENGR. IMTIAZ KHAN LECTURER CED , INU PESH

BBS for RCC Beam







• Step 03 (weight of bar 12mm bottom bars)

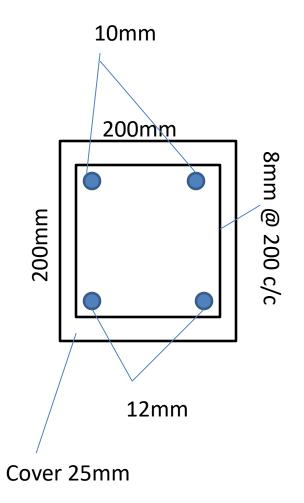
=
$$(d^2/162) \times L$$

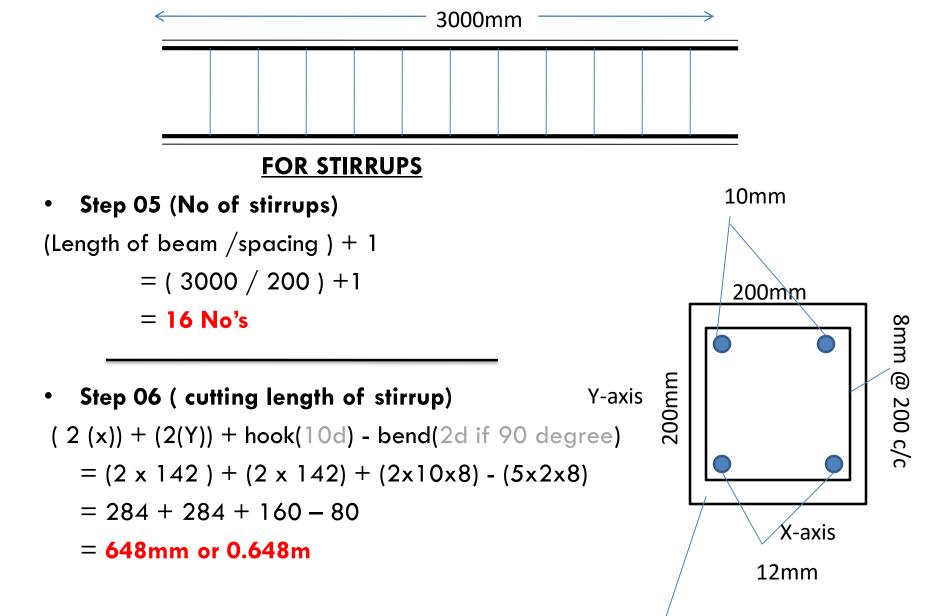
= $(12^2/162) \times 5.9 = 5.24 \text{ kg}$

• Step 04 (weight of bar 10mm top bars)

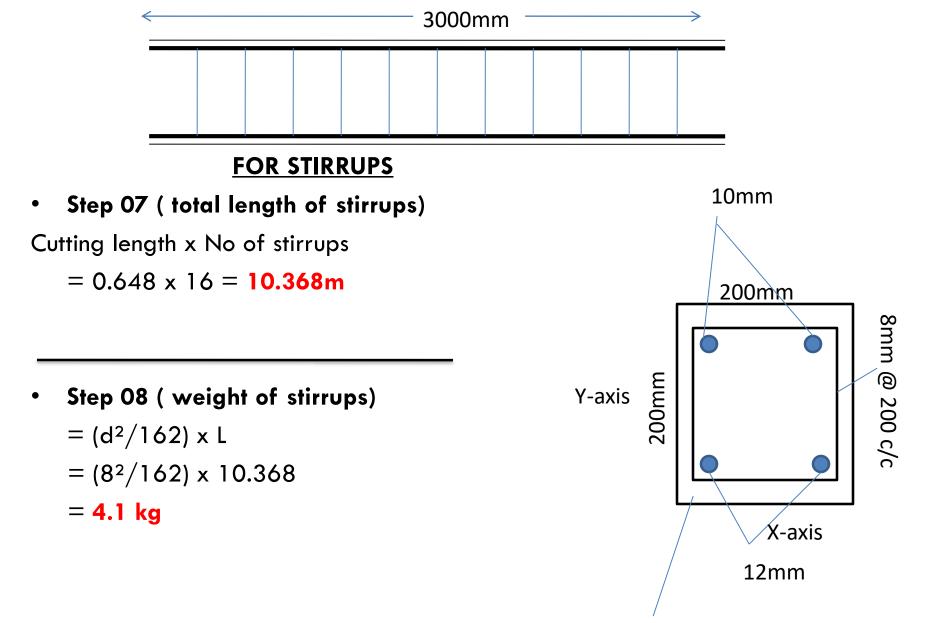
=
$$(d^2/162) \times L$$

= $(10^2/162) \times 5.9 = 3.4 \text{ kg}$





Cover 25mm



Cover 25mm

BBS for RCC Beam

	Unit weight (kg)	Total weight	Notes
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2% to 5% wastage shall be added

Total

kg

Cutting length for circular stirrups

Circular Column:

Dia Of Column= 600mmDia Of Stirrup c/c= $600 - (2 \times 20) -$

 $= 600 - (2 \times 40) - (4 + 4) = 512$ mm

 $= \pi d = 3.142 \times 512 = 1608.704$ mm

= 10 D = 10 × 8 = 80 × 2 = 160mm

Cutting Length Of Stirrup = Parameter Of Stirrup + Hook L

= 1608.704 + 160

= 1768.704 mm / 1000 = 1.768m

