

REINFORCEMENT CALCULATION IN ABUTMENT SUBMERSIBLE BRIDGE

Name Of Work :- Construction of Submersible Bridge on ON KHERWARA - JAWAS - SUVERI ROAD IN KM 9/000, ACROSS RIVER SOM

Minimum Shrinkage and Temperature reinforcement required as per Clause 305.10 IRC 21-2000
in any RC structure is 250 Sq mm per m in each direction. Allowable maximum spacing is 300 mm.

Shrinkage and Temperature reinforcement required per metre =			250 mm ²		
Area Of One Bar	12 mm dia		113 mm ²		
Spacing S			452 mm		
Provide Bars Of Dia And Spacing	12 mm		125 mm		
Provide Bars Of Dia And Spacing	12 mm		125 mm		
HORIZONTAL SHRINKAGE &TEMPERATURE REINFORCEMENT	12	MM BARS	125	MM	In Vertical direction on all FOUR faces
VERTICAL SHRINKAGE &TEMPERATURE REINFORCEMENT	12	MM BARS	125	MM	In Lateral direction on all FOUR faces