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pre stre used concrete

Basic principle & prestoessing

Since the kusile strength & concrete is low, a homoge nears concrete been has very little flexural strength. to offset this deficiency steel off is provided near the bottom & simple beens to carry the kensile strenges. However a substantial area & concrete below the neutroloops merely retains the pein-forcement in position but its kusile strength is neglected in the computation for the flexural strength in care & reinforced concrete beoms.

ih the kensile rolf of been is subjected to kensile strenes before applying the Enclosed loads, then compressive strenes are Enduced in the concrete of the been (and this is done by prestrening). Usually the kensile strenes in the concrete Coursed by the Enclosed loads are completely absorbed Or corners and by the compressive strenes in concrete, resulting from prestreing the roinforcement. the concrete, therefore is being used effectual en resisting kensile strenes produced by Externel loads nother than being neglected as in cases reinforced concrete applications of prestrened concrete

-> prestremed concrete course applied to almost all concrete constructions where ordinary sein forced concrete is used. but due to high on cost (or prestressing and better quality Scanned by CamScanner

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