

A note to explore Industry support for developing alternate jointing method for precast elements

Joints in precast RC construction is a challenge to achieve monolithic action. Experimental studies using helically wound bars and crimped end bars embedded in concrete are done at NITW. Results indicated that both types provided good anchorage and improved pullout resistance. In this connection a patent was filed by NITW bearing application no. 201841039017 titled " Helical Interlock System for rapid erection of precast members".

A brief note of the results is herewith enclosed for the information to PSI and the industry. It is proposed to invite the industry for possible MOA and financial assistance to translate the research into practical design and adoption by the industry. The members involved in the work at the institute are Prof. D Ramaseshu and Dr. T P Tezaswi along with me.

In view of the above findings, members of PSI and members of Precast Industry are requested to examine the research at NITW. You are invited to show interest in the research or propose any related problem and NITW team is ready to investigate and find solution.

I request PSI and Industry to come forward to support NITW for developing alternate technology for jointing precast elements.

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