

Department : Civil

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Guided By

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Project Title

RETROFITTING OF DIFFERENT ELEMENTS OF STRUCTURE

Abstract:

• The buildings taken up for repair may have structural deficiency and in such cases it is necessary to consider provisions for strengthening through bracing and creating alternative load transfer framing to give additional reserve strength to the structures for adequate safety and serviceability. • Repair and rehabilitation have wide range of work. All action taken to retain material in a serviceable condition to restore it to serviceability. It includes inspection, testing, servicing, classify as to serviceability, repair, rebuilding and reclamation. • In some buildings, only visual inspection is carried out for preparing maintenance budget estimates. Before attempting any repair procedure it is necessary to investigate the condition. • The gap between the quality planned and the quality achieved continues to become wider. The factors contributing to damages/distress in buildings have thus become intrinsic right from the construction stage. Often these are conclude under external rendering and the defect takes time to manifest itself. Procedure, mandatory or otherwise for periodic inspection of buildings and structures and defects, like cracks, excessive deflections, corrosion of reinforcement etc. in logical manner, and recording of structural repairs already carried out, are generally not followed or maintained. • The structure require a through technical inspection and understanding of the behavior of the structural component, which is being repaired. Inspection calls for detailed mapping of affected areas, documentation of type and location of symptoms and their history and photographic evidences. It may also include the environmental factors, which are likely to accelerate the damage process. • We have taken flow chart of PROCESS OF CONDITION SURVEY on RETROFITTING from handbook of repair and rehabilitation of structures by CENTRAL PUBLIC WORK DEPARTMENT, GOVT. OF INDIA

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