

Case Study

Project Name: *Judge court building retrofitting, Bagherhat, Khulna, Bangladesh.*

Client: **Public Works Department**
Year of Completion: **2014**
Renovation

Consultants *PWD-Design Division-3.*

Contractor *Nutech Construction Chemicals Company Ltd,*
City or Region & **Bagherhat, Khulna, Bangladesh.**

Country:

Task:

- Rectification of Column , beams and slabs by micro concreting.
- Filling cracks of slab, column and beams by Nitofill EPLV.
- Installation of shear connector at slab, beam and column by Lokfix.
- The judge court building was supposed to be dilapidated owing to cracks, spalling but Fosroc Proposed a retrofitting measures by Micro concrete encasement of its structural members, finally the relevant references convince customer to retrofit instead of damaging without much interrupting the regular working environment.
- Fosroc Repair & Remediation solutions were recommended and used for repairing
- Materials used included Fosroc Nitofill EPLV, Fosroc Renderoc Renderoc RG , Fosroc Conbextra GP2, Fosroc Nitobond EP, Lokfix, Concure LP 90, Reebol Emulsion Xtra.

Constructive Solution:

Value to Client:

- The Job phase-1 accomplished by Fosroc Associates only in 1 month without much interrupting the regular environment.
- Since it is government building, execution of regular work within the periphery of Judgecourt building was very important.
- Fosroc micro concrete assisted the customers with developing and gaining high strength concrete to match existing high grade concrete that met the stringent project requirements as specified by consultants.

History: Judge court building constructed in 1995 but severe corrosion deposits observed owing to poor quality of concrete and it falls in saline belt. The PWD department decided it to demolished but Fosroc and Fosroc Associates proposed to retrofit the same without much interruption of regular environment. To convince customer, many of the sites have been visited by PWD officials and later decided to retrofit the same with Fosroc Renderoc RG and ancillary products.

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Photo-1: column before retrofitting

Photo-2: columns before retrofitting

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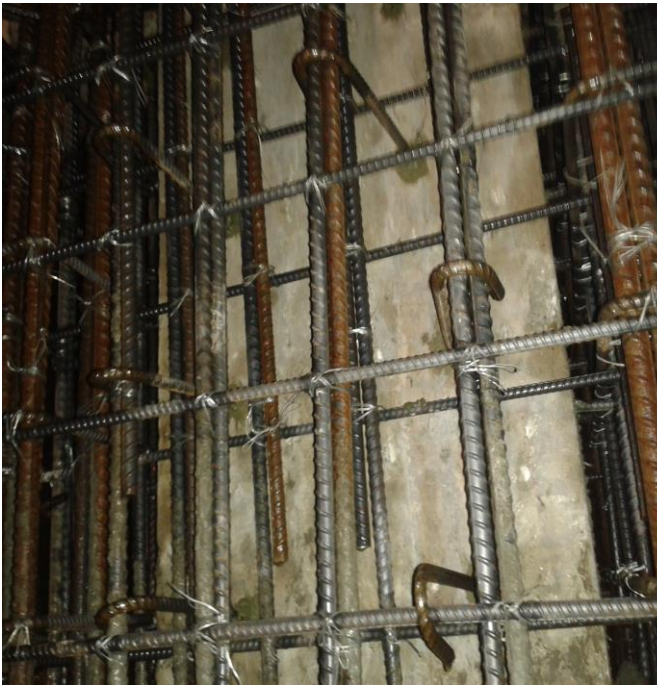


Photo-3: columns during retrofitting phases



Photo-4: columns during retrofitting phase



Photo-5: Column after retrofitting



Photo-6: Column after retrofitting

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