



DATA CARD #2 EARTHQUAKE RESISTANT RETROFITTING OF BUILDINGS

Pilots

General Council
CG /DBC / SPON Philippe LOCUSTE
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Jamaica ODPEM
ODPEM/ MPRD/ Karema AIKENS MITCHELL

Partners

Jamaica ODPEM : Mines and Geology Division – Norman HARRIS – nharris@mgd.gov.jm
Earthquake Unit of University of West Indies
Ministry of Education
Jamaican Fire Brigade
National Works Agency
Martinique BET Egis Industrie (verbal agreement – Partnership agreement to be signed)

ODPEM's request

ODPEM would like to reinforce, using earthquake resistant techniques, Jamaica's fire stations, as well as 2 schools, which are also used as shelters. The General Council is offering its technical assistance in order to reinforce one building.

Objective(s)

Phase 1 - Studies

- Assess the building and define the technical reinforcement solution
- Assess the reinforcement cost

Phase 2 – Construction work

Another data card will be developed for phase 2

Method / Sub-objectives/ Actions / Steps

Method - Phase 1 – Studies:

CG + ODPEM: Formalise and Sign a MoU with all partners

ODPEM: Identify 5 to 6 buildings to be reinforced according to availability and reliability of existing documents (architectural and work plans, soil tests, photos...)

CG: Provide recommendations on the feasibility of studies and works

ODPEM: Choose the building for retrofitting

CG: Define the type of additional surveys that might be needed (soil, structure assessment, destructive testing)

EGIS: Estimate the cost and level of reinforcement possible, through the free use of software presented to the General Council.

CG + EGIS + ODPEM: develop the relevant scope statement(s)

Prerequisites

- Inform ODPEM of the possibility of surveys and the related costs
- ODPEM : Furnish technical information and unit prices in Jamaica
- CG972: CG/DGA2/DBC must be able to invest 2 hours of engineering time per week
- The signing of a partnership agreement with an engineering and design office (ex. EGIS agreed verbally to participate in this project.)

Calendar

Phase 1: Studies

Beginning	B+1 month	B+3 months	B+4 months	B+6 months
Sign agreement	Technical doc transmission	Surveys, additional studies		Studies finished



Phase 2: Construction work
(to be defined with ODPEM and partners)

Means

	Means	General Council	ODPEM	Other Mines and Geology	Other Engineering and design office (ex. EGIS)
Contribu-tions	Staff	Exchanges = 5 days 2 Visits = 4 days (back to back) Assistance/Feed Back = 3 days	Exchanges = 5 days General Council visit = 2 days Assistance/Feed Back = 3 days	Exchanges = 1 day General Council visit = 1 day	Exchanges = 5 days 2/3 Visits = 3 days
	Techniques / Materials	To be defined	To be defined	To be defined	To be defined
Cash contribu-tions	Funds delegated for: - Visit(s) - Transla-tion(s) - Etc.				