



DATA CARD #4 – CLIFF PROTECTION THROUGH DYNAMIC SCREENING

Pilots

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ODPEM's request and operational wording chosen

Protect a zone which is subject to rock fall

Know how to build dynamic screens in Jamaica

Proposed rewording: Assessment of a site subjected to rock fall, verify the feasibility of a dynamic screen and analyse the possibilities of exporting the dynamic screening technique (for example collaboration between Jamaican and Martinican businesses – to be defined)

Objective(s)

- 1) Study a site subjected to rock fall (verify the feasibility of a dynamic screen protection, define the sizing and scale principles and estimate its cost)
- 2) Analyse the possibilities of exporting the dynamic screen technique (for example collaboration between a Jamaican business and the Martinican company CAN SA – to be defined)

Method / Sub-objectives/ Actions / Steps

Method :

- 1) Visual assessment of a site proposed by ODPEM by cliff risk specialists (CG972 + CAN SA + Mines and Geology) and establishment of reinforcement principles
- 2) Connect a Jamaican business (ideally one that specializes in drilling techniques) with the Martinican company CAN SA, which specializes in cliff protection work and specialized construction work.

Points 1) and 2) will be accomplished through a joint visit to Jamaica by CG972+CAN SA

Actions:

- CG972 : Sends general technical elements concerning Cliff Protection Work in relation to the dynamic screening technique to ODPEM
- ODPEM/Mines and Geology: Proposes a site to assess and sends all known information (photos, chronology of different events on the site, map and topographical cross-section, geological assessment...)+ prepares the site to allow for precise observations (access authorized, undergrowth cleared or paths created...)
- ODPEM: proposes 1 or 2 Jamaican businesses capable of implementing the dynamic screen technique with moderate assistance from CAN SA.
- Joint site visit by ODPEM +CG972 + CAN SA + Mines and Geology to assess the site and meet the Jamaican business capable of learning the screening technique
- CG972 : sends a site assessment + reinforcement principles + financial indicators (including supplemental studies if necessary)
- CAN SA/Jamaican company: research a business partnership to allow for the transfer of the dynamic screen technique

(Note: eventual business partnership outside of project period – no actions from the CG972 during this phase)



Prerequisites

- ODPEM : Define a site subject to rock fall + guarantee site accessibility + find a Jamaican business capable of partnering with CAN SA for a transfer of technology (or other propositions from company)
- CG972 : Visit to Jamaica (before the rainy season)

Please note: Project requires rapid confirmation of the feasibility of a dynamic screen protection on the chosen site, and thus making a CAN SA operation possible

Calendar

Beginning	B+1.5 months	B+3 months	B+4 months	B+6 months
Agreement signed	Tech doc transmission (CG972 : on the dynamic screens and ODPEM : on the proposed site)	ODPEM:Site preparation + choosing of a Jamaican company capable of conducting this type of work.	Visit to Jamaica (site assessment + exchanges between companies)	Transmission of the site assessment + reinforcement principles +financial indicators

Means

	Means	General Council	CAN SA	ODPEM	Other: Mines and Geology
Contributions	Staff	Exchanges = 3 days Visit = 5 days (back to back) Assessment and financial indicators = 8 days	Exchanges + visit = 0 days (business transaction)	Exchanges = 3 days General Council visit = 2 days Assistance/ Feed Back = 3 days	Exchanges = 3 days General Council visit = 2 days
	Techniques / Materials			Site preparation, choosing of a Jamaican company	
Cash contribution(s)	Funding allocated for: - Visit(s) - Translation(s) - Etc.	To be given by pilot 1 visit, translation	CG972 pays lodging during visit	Translations	