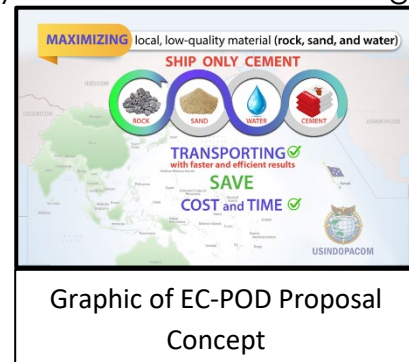




Expeditionary Concrete Construction for Ports of Debarkation

Project Summary: For many austere mission critical locations within INDOPACOM and other coastal regions, construction materials meeting conventional quality requirements are not readily available in situ. The large logistical burden of transporting materials for construction of portland cement concrete staging areas and pavements does not support the expedient nature required of the Joint Force. Investigation into these local, low-quality materials can provide guidance on modifications to the design and construction specifications to allow for these materials, which will greatly reduce the time from assessment to final construction for staging areas and pavements, providing needed alternatives to meet contingency mission requirements. For many austere mission critical locations within INDOPACOM and other coastal regions, construction materials meeting conventional quality requirements are not readily available in situ. The large logistical burden of transporting materials for construction of portland cement concrete staging areas and pavements does not support the expedient nature required of the Joint Force.



Graphic of EC-POD Proposal Concept

Benefit:

The EC-POD will provide a new capability to the Joint Force to enable the use of local, low-quality materials which were previously rejected by the current design criteria. The benefit of this proposal can be evaluated both qualitatively and quantitatively, in terms of new capabilities and realized efficiencies, respectively.

Duration of project: FY24 – FY26

Participants: NAVFAC EXWC, U.S. Army RDT&E, OUSD(R&D) BOOST

Project advocacy (funding or otherwise): U.S. Army Engineer Research and Development Center