

## 1.0 INTRODUCTION

The proposed Chad Export Project will produce, treat and export crude oil to world markets from the Komé, Miandoum, and Bolobo reservoirs located in the Doba Basin of southern Chad. A buried oil pipeline would extend from the oilfield development area in southern Chad across Cameroon to a floating storage and offloading (FSO) vessel located approximately 11 km offshore south of the coastal town of Kribi. Alternatives were identified and considered as part of the Chad Export Project that included:

- The No Project alternative
- Oil development alternatives
- Oilfield development area alternatives
- Transportation infrastructure alternatives
- Oil transportation alternatives
- Marine terminal location alternatives
- Pipeline corridor alternatives
- Pipeline alignments within the preferred pipeline corridor.

The following general criteria were used to the extent feasible to identify and evaluate alternatives for the Chad Export Project:

- Design overall project size and general field and facility configurations to maximize production efficiency within defined environmental, socioeconomic and economic constraints
- Maximize use of existing disturbed areas (such as existing road corridors)
- Minimize disturbance to areas with indigenous people during facility infrastructure and pipeline construction and operation
- Minimize effects to known sensitive habitats, cultural resources and related culturally sensitive areas
- Avoid existing villages and related structures
- Minimize possible effects from known geologic hazards and constraints such as fault crossings, significant erosion features and landslide prone areas
- Consider appropriate shoreline crossings, location, and weather conditions for siting offshore loading facilities.

This volume presents a detailed discussion, analysis and justification of alternatives for the Chad Export Project to identify those that: 1) comply with World Bank Group operational policies

and directives; and, 2) best balance the environmental, socioeconomic and cultural needs of the Republics of Chad and Cameroon with the engineering and economic needs of Esso Exploration and Production Chad, Inc. (EEPCI), the Cameroon Oil Transportation Company (COTCO), and the Tchad Oil Transportation Company (TOTCO).