

CLARIFICATION#1
PROC-SERVICES/CB/EXPL-4164/2018- SEISMIC SEQUENCE STRATIGRAPHIC INTERPRETATION, ANALYSIS, STRATIGRAPHIC PROSPECT IDENTIFICATION, RISKING & RANKING FOR HYDROCARBON POTENTIAL EVALUATION OF KULACHI EL

Following Clarifications have been made in the subject tender:-

S. No.	Bidder's query	OGDCL reply
1	The Objectives section implies that the OGDCL interpretation/mapping is to be used for the modelling, but the scope of work suggests original interpretation of several horizons is required. Will the existing interpretation(s) be provided, or is a complete re-interpretation of the 2D dataset required?	Objectives section does not imply that OGDCL interpretation/mapping is to be used for modelling. It is for further clarification that OGDCL's interpretation/mapping will be shared with the contractor for review and support, However complete re-interpretation of key horizons (Potential Reservoirs and Molasse) is required for the modelling.
2	The Introduction states that 'a comprehensive facies model of Molasses is also required'. Will OGDCL provide interpreted horizons within this Molasses interval, or will additional horizons need to be interpreted?	OGDCL will not provide the contractor with interpreted horizons of Molasse. The contractor is to interpret Molasse horizons.
3	Will OGDCL provide the identified leads and their associated supporting information (interpretation work (geology, geophysics), risks, volumetrics, economics) to the study?	Yes, Identified leads and the supporting G&G parameters will be shared with the contractor for review including risks, volumetrics and economics. But the contractor will reinterpret/re-map the leads as well as recalculate volumetrics and economics based on their own interpretation
4	The SOW mentions integration of field outcrop data. Has the fieldwork been completed already or is there a requirement to undertake field work to be included in this study? If fieldwork has already been completed, what does this dataset comprise (e.g. field maps, field notebooks, reports, locations, seep studies, sample data, digital data (GIS)?).	OGDCL has completed 100 Lm Geological Field work adjacent this study area. There is no mandatory requirement to undertake field work for this study. Data set Regarding Geological field work which will be shared with the contractor includes Geological Field report and Geological Map.
5	We note that there is a requirement for detailed facies maps and all seismic attributes to be produced. However the basic data is 2D	Yes, detailed facies maps of potential reservoir units as well as Molasses units are required to be prepared by the

	<p>seismic with exploration grid spacing and 2 wells which seems insufficient for these requirements. Please clarify the requirements.</p>	<p>contractor. Any of seismic attributes that may be supportive in lithology identification / effective reservoir and seal facies identification, should be incorporated but should be justifiable on the basis of calibration with nearby well data.</p>
6	<p>The Deliverables refer to 'PSTM data volumes'. However, only 2D data appears to exist. Do any 3D datasets exist over the area?</p>	<p>No 3D Seismic data is available in this area for this study.</p>
7	<p>The Objectives also refer to a 'risky economics calculation'. However, there is no reference to economics in the scope of work or deliverables. What level of economics, if any, is required?</p>	<p>The contractor needs to perform risky economics on the basis of logical and correlate-able analogues and provide us with IRR, POP, NPV (at 10%, 15% and 18% hurdle rate) and EMV (incorporating suitable POS according to their own interpretation).</p>