

**CLARIFICATION#2 AGAINST TENDER # PROC-SERVICES/CB/EXPL-4939/2021- HIRING OF SERVICES FOR 3D SEISMIC UNCONVENTIONAL RESERVOIR CHARACTERIZATION STUDY FOR IDENTIFICATION OF THE SWEET SPOTS IN LOWER INDUS BASIN OF PAKISTAN**

Following Clarifications have been made in the subject tender.

S. No.	Clarifications	OGDCL Reply
1	Are any dipole sonics or density logs available, or are they all to be calculated from rock physics?	Yes, Sonic and density logs are available.
2	What measures of anisotropy are available, and what types of log corrections are anticipated (e.g. sonic velocity) for the correction of log data for anisotropic effects (3.1.2)?	Anisotropy measure From FMI, Sonic Scanner and Lab data. However, Log data correction is mandatory for evaluation of anisotropy effects like the reconstruction of density log on bad borehole intervals.
3	How many new wells are anticipated over the course of the project (6.5)?	One or Two wells
4	What are the desired deliverables for the poststack fracture analysis (3.2.3)? Are curvature/coherence volumes the expected outcome?	Yes, post stack fracture analysis e.g. Curvature/Coherence cube for the study are required.
5	Is the prediction of fracture orientation (3.3.4) expected from the image log analysis, poststack seismic analysis, or are the seismic data to be analyzed in an azimuthal manner (e.g. AVAz)	Prediction of fracture orientation from Image log and Seismic data are required.
6	What is the level of detail required for the proposed well trajectories (3.3.6)? Optimum targets as identified by the geological classification or certified plans and proposed deviation surveys from a drilling engineer?	Proposed well trajectories details on the basis of the best reservoir and completion qualities in the favorable zones along with proposed deviation survey from a drilling engineer is required.
7	When will commence this project as per OGDCL's plan?	After the signing of the contact.
8	Refer to clause 4.6: The contractor must provide schedule for OGDCL professionals in the project for QC purpose and skill transfer. OGDCL professionals (at least 02 professionals at each stage as per Annexure-III, Cat. No. 7) will participate at mentioned stages at contractor's premises within Pakistan or outside the Pakistan. Please clarify that does OGDCL require from	Transfer of technical and training of OGDCL professionals are the integral part of the TOR. Physical training of OGDCL professionals may be carried out by observing due Covid SOP.

	<p>the bidder to transfer Technology or only provide trainings of OGDCL professional in China and such training should be conducted in china.</p> <p>Due to the present pandemic situation whether OGDCL can accept the online training or not?</p>	
9	<p>Refer to clause 6.4: Data collection must start within a week with a kickoff meeting after signing the contract and duration of the project will start from complete data handling over and its acceptance.</p> <p>Please clarify that the kick off meeting will be held within a week after signing the contract or the date of kick off meeting will be negotiated mutually?</p>	<p>As per clause# 6.4 in TOR, the kickoff meeting and data collection will be start within the week. However, in any unavailable circumstances, extra time may be granted for which justification from the bidder is requested.</p>
10	<p>Refer to Clause 7.2: The consultant should submit weekly report at the end of every week and detailed fort nightly progress report to OGDCL, covering the work performed during that period.</p> <p>Please clarify that whether the submission of weekly report is acceptable in soft form through email or a hardcopy submission will be required?</p>	<p>Weekly reports may be submitted through email or online. However, fortnightly reports will accepted in hard copy.</p>