

**CLARIFICATION#3 AGAINST TENDER # PROC-SERVICES/CB/EXPL-5351/2022 A
GEOCHEMICAL EVALUATION OF THE PETROLEUM SYSTEM OF THE KOHAT-POTWAR FOLD
BELTS (UPPER INDUS BASIN)**

Following Clarifications have been made in the subject tender.

Sr#	Questions for Clarification	OGDCL Reply
1	<p>3.1 Phase-1. (b) Use of a Worldwide Source Rock Database to Evaluate, Synthesize, and Interpret Legacy Source-Rock Data.</p> <p>Does OGDCL expect the vendor to use a specific worldwide source rock database that is available in the public domain? Or can a vendor use the proprietary source-rock database that it has created and maintained?</p>	<p>In both case, it is acceptable. However, to mention the database name, and either proprietary or open source, will be required.</p>
2	<p>7. Deliverables: Project Databases</p> <p>Does OGDCL require the vendor to use specific software for the database(s) created for: (1) legacy PVT and geochemical data provided during Phase 1; (2) new geochemical data measured during Phase 2; and (3) HC charge modeling results performed during Phase 3?</p>	<p>A database software and application would be required to integrate/manage the different geochemical data sets by the vendor during the study. However, to export the same data to OGDCL, an appropriate format will be decided in later stage.</p>
3	<p>10. Technical Evaluation. S#01: Number of Similar Studies Conducted/Completed</p> <p>The list of criteria for valid studies in Footnote #1 does not mention 1D or 2D HC charge modeling. Does a valid study have to include one or both kind of charge modelling results – or simply the synthesis and interpretation of PVT and geochemical data?</p>	<p>Multi 1D and or 2D charge modeling at sub-basin scale or covering part of the basin would be acceptable, however the same modeling at block and or at prospect level would not be included as a similar study.</p>
4	<p>10. Technical Evaluation. S#03: Technical Approach. Footnote (5) -- Data Visualization and Mapping Software</p> <p>What kind of software does OGDCL want the service company to use to visualize and prepare maps of effective source rocks, oil-oil correlations, and the inferred thermal maturity of oil and gas samples in the AOI inferred using their geochemical composition: i.e., the results of the "Top Down" PSA method?</p>	<p>Having specific software is not the requirement of OGDCL. What is needed from the vendor for the study is to have software to interactively display the geochemical data, to map the properties etc , like TIBCO Spotfire , ArcGIS, Zetaware Hotspot.</p>