

CLARIFICATION NO. 02

TENDER ENQUIRY # PROC-SERVICES/CB/EXPL-4464/2019 PROSPECTS DELINEATION THROUGH INTEGRATED SEQUENCE STRATIGRAPHIC STUDY OF LOWER GORU AND SEMBAR FORMATIONS IN SOUTHERN INDUS BASIN OF PAKISTAN

Following Clarification has been made in the subject tender. Please find OGDCL Clarification in RED.

Sedimentology

Of the 89 possible wells for the study:

- Does OGDCL have wireline logs for all wells that they can share with CGG?
Yes
- Does OGDCL have CCA data for all wells?
No (Available for few wells)
- Does OGDCL have any NMR or MICP data for the wells?
No
- Does OGDCL have pre-existing core logs which we can use/integrate/review in addition to any new core logging which we undertake?
NO

Seismic Interpretation

- Could we have a map showing locations of 2D and 3D seismic surveys?
The concession polygons shown in Fig. 1.5 Base Map of TOR are covered with 3D data. Remaining area has extensive 2D data which will be used as per requirement.
- How many 3D seismic volumes there are?
Approximately 6700 km² consisting of 11 volumes
- What is the amount of 2D seismic (number of lines/L-km) available for the study?
**Most of the area is covered by 3D PSTM data.
2D data would be used where necessary and recommended by the company.**
- OGDCL to clarify are they providing: grids (time/depth), maps, etc.

Horizon and fault interpretation will be provided in digital format as already mentioned in TOR.

Reliable well to seismic tie will be established by the contractor.

- Are there seismic velocities? What type, how they will be provided, etc.

No. processing velocity cubes may be available for few volumes

Seismic Stratigraphy

- Out of the 89 wells listed, 10 wells are reported to have VSP/logs. How many of the 10 wells have sonic and density logs for seismic-well tie?

43 wells have VSP. Almost all wells have sonic and density logs.