OIL & GAS DEVELOPMENT COMPANY LIMITED
Request for Quotation (Imports)

OGDCL House, Jinnah Avenue, Islamabad,   Pakistan

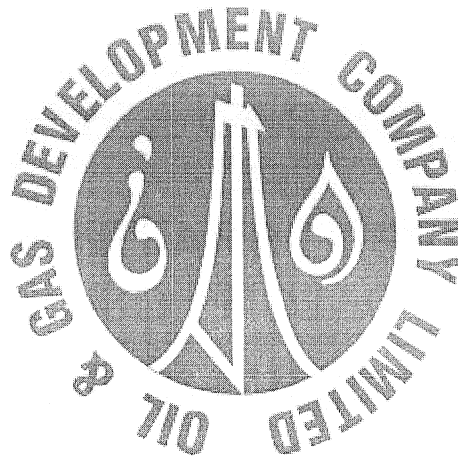|	
Description:	URCHASE OF SOFTWARE FOR PLANNING & DESIGN 2D/3D PROJECTS
Tender Enquiry No:	OGDCL-SCM-FD/CB/QC-6200000040 / 2022
Delivery Period:	60 DAYS
Mode of Shipment:	The software will be provided by link/online
Mode of Procurement:	COMPETITIVE BIDDING
Evaluation Criteria:	FULL CONSIGNMENT WISE
Bid Bond Value:	USD 2,200 or equivalent
Bid Validity:	180 Days
Bidding Procedure:	SINGLE STAGE TWO ENVELOPE

SR NO	Material No	Material Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price	Total Price	Deviation From Tender Spec. If Any
1.		SOFTWARE COMPLETE PACKAGE (DETAIL ATTACHED)	NO	1					
2.		SOFTWARE BASIC PACKAGE (DETAIL ATTACHED)	NO	2					

KHURRAM SHAHZAD BAIG
Sr. Geophysicist (QC)
Ext: 3293
17-11-22

TERMS OF REFERENCE (TOR)

For

PURCHASE OF SOFTWARE
FOR
PLANNING AND DESIGNING
2D/3D PROJECTS

Oil & Gas Development Company Limited, Pakistan (OGDCL)

TERM OF REFERENCE / INVITATION FOR BIDS FOR PROVISION OF SOFTWARE FOR 2D/3D PLANNING AND DESIGNING PROJECTS

INTRODUCTION

To strengthen the quality control of seismic data acquisition for oil exploration, OGDCL intends to purchase three (03) sets of Planning and designing software for 2D/3D Planning and designing Projects for its seismic crews and Head Office. (01) No. of software is required with advanced complete package for Head Office and (02) No's of softwares are required with Essential/ Basic package for Seismic field parties. The said softwares will be used to check/monitor the spread geometry layout for imaging the subsurface. It generates the SPS files to be input to the recording system for Seismic Data Acquisition in Seismic Field Parties. Moreover, it provides advanced analysis modules, 3D ray model module, 3D grid model module and elastic wave equation module.

INSTRUCTIONS TO BIDDERS (ITB)

1. SCOPE OF BIDDING

The main purpose of this bidding is to acquire Software for Planning and designing projects. The complete technical details of 2D & 3D Planning and designing software (latest version) software is attached at Annexure-I.

2. TECHNICAL PROPOSAL

Technical proposal should demonstrate firm's knowledge of the software requirement and its understanding of the requisite task. It should also stipulate general approach and methodology including detailed information.

2.1 Evaluation will be carried out on full consignment basis. Any omission to bid for an item or sub items shall be considered as incomplete and non-responsive bid.

2.2 Application software will be installed on separate Laptop/ Desktop.

2.3 Configuration / installation of the application software will be responsibility of the bidder.

2.4 Non-expiring, life time licenses of the application software should be provided.

2.5 Whenever new updates/ version of the software are available, it should be upgraded/provided free of cost.

2.6 A comprehensive list of all modules with one or two lines functionality of the application software should be provided.

2.7 Two years cost free warranty of software that includes Maintenance & Support for application software and up-gradation with the new/latest versions should be provided.

GHULAM ABBAS
Manager (QC)
Oil & Gas Development Co. Ltd
Islamabad

3. BID EVALUATION

All bids/proposals shall be evaluated technically and financially. Technical proposal shall be reviewed first to determine its technical responsiveness and conformity with the requirement of TOR. After completion of Technical Evaluation, the Financial Proposal of only the technically responsive bidder(s) shall be opened and evaluated.

3.1 TECHNICAL EVALUATION CRITERIA

The technical evaluation shall be based on the specifications tabulated below.
Only those bidders will be considered qualified which comply with it.
All bidders are requested to submit their bid considering the evaluation and short listing criterion.

| | | To be filled in by the Bidder | | |

S/N	OGDCL Requirements	Bidder Response	Compliance/non-compliance	Remarks
1	Minimum Fifteen (15) years experience of Planning and designing Software development and related R&D activities (complete range of Software Modules from basic to advance are indigenously developed and marketed to National oil companies and multinational oil companies).			
2	Owns an R&D team of minimum Fifteen (15) highly qualified Software Professionals for development of the Software with minimum individual experience of Ten (10) years. (Provision of CVs on request by OGDCL).			
3	Established centers in at least Seven (07) countries with complete range of services (Proof can be requested by OGDCL).			
4	Client list of at least Ten (10) internationally reputed E&P companies with global presence. (Proof can be requested by OGDCL)			
5	Should have an established local office in Pakistan for future provision of Technical Services and Support (proof can be requested by OGDCL).			
6	Should have at least a client in Pakistan to whom software licenses are sold and M&S software support is provided for the last three years. (Proof can be requested by OGDCL).			
7	Average annual revenues during last 5 years, copy of annual reports to be attached.			
8	Must be listed in any international stock market.			

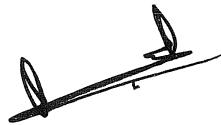## 3.2 <u>FINANCIAL EVALUATION</u>

Financial evaluation shall be carried out on total lump sum project cost basis.
Bidder will provide the cost, as per tabulated below.

To be filled in by the Bidder

S. No	Items	Price (CPT)
1.	Software license, Installation, configuring & upgradation etc.	
2.	Training	
3.	Annual Maintenance & Technical Support	

3.2.1 The software cost must include life time, non-expiry license fee, installation, configuration, upgradation and all other charges.

3.2.2 Financial evaluation will be carried out on the basis of serial No. 1 & 2.

3.2.3 The Annual Maintenance & Technical Support price will be applicable after expiry of warranty period.

3.2.4 100 % payment will be made after successful installation, configuration, acceptance test and training.

3.2.5 The project will be awarded to the technically responsive bidder offering the lowest financial bid.

4. TERMS & CONDITIONS – SOFTWARE

	OGDCL Requirements	Bidder Response	Compliance/non-compliance	Remarks
1	Non-expiring Software licenses (03 No's) as detailed in Annexure-I is required.			
2	Latest available versions/updates/ enhancements /releases of all application software package(s) should be provided at the time of delivery.			
3	Acceptance test of Software packages will be carried out after installation at OGDCL office Islamabad.			
4	Three CD/DVD copies of application software & system administration along with three sets of original hard copy manuals should be provided.			
5	Facility for online help and guidance regarding technical issues of software packages should be made available after installation.			
6	Two years cost free warranty for application software. Start of warranty period will commence from the installation date of software. The warranty includes M & S for application software, up-gradation of software with the new/latest release of software and to provide support to users via e-mail, fax and telephone etc.			
7	The yearly M&S charges after the warranty period of 02 years for the next three (03) years should be quoted. These charges will not be the part of financial bid. The charges of M&S should include up-dates of application software & onsite support.			
8	Also included in the cost of package Configuration/ installation of the application software. Three (03) sets of application software (licenses) and system administration on CD's/DVD's.			

5 WARRANTY

5.1 Two years cost free warranty for the software.

5.2 Warranty period should commence from the installation date of software on the system.

5.3 Maintenance & support for application software after the warrantee period should be quoted separately and this should not be the part of financial bid.

5.4 Guaranteed immediate and positive response on a 24 hour basis.

5.5 After expiry of warranty, for each category of products, selected bidder will also be committed to provide maintenance & support service for a period of at least three years. However this does not commit end user to avail this service.

6 PERIOD OF COMPLETION

The shipment of Software will be delivered within sixty (60) days after placement of order/ signing of contract.

7 TRAINING ON SOFTWARE AND TECHNICAL WORKFLOW

7.1 Six (06) OGDCL professionals shall be participating in the training at contractor's facility. Training duration should be minimum of 15 working days involving workflow familiarization with experts. Contractor shall take all necessary measures regarding visas (invitation letters & residence booking etc.) and shall courier to the OGDCL Head Office in Islamabad from abroad. Any delay in the departure of OGDCL professionals due to visa/tickets problems would have to be accommodated by the Contractor in their training Plan.

7.2 Contractor shall provide office space, computers, internet facility and international telephone/fax facilities to the OGDCL visiting professionals.

7.3 Traveling expenses (air tickets) regarding the visit of OGDCL geoscientists to the contractor's offices shall be responsibility of the OGDCL.

7.4 Expenses regarding training, boarding & lodging of OGDCL geoscientists shall be responsibility of the contractor.

Planning and designing Software

2D/3D Planning & Designing Software is required in two packages:

1. ESSENTIAL/BASIC TOOLS PACKAGE

- A set of essential tools for acquisition, design, editing, and monitoring.

- Land & marine Survey layout and geometry tools (editing of Survey Data including undo/redo, spreadsheets Template editing etc).

- CMP/Bin Analysis including fold, offset, azimuth, cross plots, rose diagrams attributes etc.

- 2D ray models and ray tracing.

- Management of multiple projects, comparison and merging.

- Multi Import/export of Survey files, Shape files, Raster & Digital Data including GIS based maps as per industry standard data formats.

2. ADVANCED/ COMPLETE TOOLS PACKAGE

- A comprehensive set of tools for geometry building, editing, and QC as well as advanced analysis in the time or depth domain.

- Analyze potential 3D geometry artifacts (footprints) using existing 2D seismic traces.

- Generate synthetic SEG-Y data using survey geometry and analyze illumination on a subsurface horizon using any survey geometry.

- Build multilayer 3D models, including surface topography.

- Create horizons using theoretical parameters or imported horizons.

- Investigate parameters such as bin size, offset, resolution and imaging (migration) effects.

- Ray tracing (offset, image, normal and PS converted wave).

- Model diffractions, reflections and shot-receiver ray paths.

- Create full-waveform 2D synthetics using surface, VSP and interwell geometries.

- Import model parameters from 2D ray models.