



KHYBER PAKHTUNKHWA OIL AND GAS COMPANY LIMITED

(KPOGCL)

(KP Government Fully Owned & Provincial Holding Company)

3rd Floor, Ali Towers, University Road (Opposite Custom's House), Peshawar, Pakistan

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Web: www.kpogcl.com.pk



KHYBER PAKHTUNKHWA OIL AND GAS COMPANY

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TENDER No. KPOGCL/Tender/318/2016

**HIRING SERVICES FOR SHALLOW SEISMIC DATA
ACQUISITION, REFRACTION TOMOGRAPHY USING
P&S COMPONENTS AND DIRECTIONAL/HORIZONTAL
DRILLING FOR AZA KHEL SEEPAGES KHYBER
PAKHTUNKHWA – PAKISTAN**

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1 KPOGCL Profile

Khyber Pakhtunkhwa Government (KP), being cognizant of Oil & Gas reserves established Khyber Pakhtunkhwa Oil and Gas Company Limited (KPOGCL) - a land mark achievement of the present Government. KPOGCL is not only entrusted with the responsibility of carrying out Exploration and Production (E&P) activities, itself, but is as well, entrusted the responsibility to allure more E&P Companies to do so by ensuring them with the requisite security and the first hand sharing of technological data thus literally acting as a Fast Track implementation of E&P. KPOGCL, while being actually KP Government sponsored / patronized, thus can very conveniently act as an Interface between the E&P Companies and all the other Government Related Agencies thereby actually performing the role of 'One Window of Operations'. It is also the Provincial Holding Company (PHC) under the Petroleum Policy – 2012. KPOGCL is in fact a facilitator to E&P companies.

The Company promotes all E&P activities throughout KP by investing in Producing and Exploration Blocks and procurement of heavy equipment (i.e. Rig and Seismic Data Acquisition Recorder) - all ultimately aimed at generating revenue and of course fulfilling the dire needed energy requirements of not only KP Province but the whole Country.

The Company is also member of Pakistan Petroleum Exploration & Production Companies Association (PPEPCA). It is run by an independent Board of Directors, who mostly are Experts from the private Sector with Mr. Raziuddin (Razi) as its CEO. Though, being newly established, the Company is in its embryonic stage of development but owing to the strong support and patronization it has, from the KP Government, it has very rapidly developed it's paraphernalia not only to engage itself, on war footing, in all E&P activities but also arrange with the KP Government to ensure a fool proof security to all the rest of the E&P Companies from abroad and within the country.

With KP Government, determined to boost the province's economy, has already taken a step forward by improving Communication Infrastructure, unearthing the province's hidden treasure of huge reserves of Oil and Gas initially through the province's indigenous Institutions, in which KPOGCL has taken the lead and later on through other multinational E&P Companies while KPOGCL continue to pay its role of 'One Window of Operation' for them.



2. Introduction

KPOGCL intend to acquire 2D/3D seismic data and drilling services on Azakhel Seepages near Peshawar. Azakhel seepages area located in Peshawar District, 100% Khyber Pakhtunkhwa Province of Pakistan (Figure 1A and 1B). The mountainous terrain of Attock Cherat Ranges (ACR) present on Southern side of the seepage area, while rest of the area is plain with cultivations and partially populated. A good road network is present in the area.

Tectonically the area lies fully in Peshawar Basin, where there is no seismic data available, acquired yet. KPOGCL has planned a regional 2D seismic data acquisition (Phase-1), to understand the subsurface structural trends, within Peshawar Basin. Based on this 2D seismic data acquisition, processing and interpretation results, we will be able to re-plan the current proposed specialized 3D seismic data acquisition (Phase-2) for mapping of seep area with refraction tomography using P&S Components.

On successful mapping of the area, KPOGCL may need drilling, directional drilling services to further explore these seep areas and prospects.

KPOGCL is looking for contractors, companies with good experience in Shallow seismic 3D refraction data acquisition, tomography processing and subsequent drilling services.

2D/3D Seismic data Acquisition, processing work program (Figure 1A & 1B):

- 1. (Phase-1) 25 L.KM, 2D regional seismic firm and about 25 L.KM contingent.**
- 2. (Phase-2) 25 Sq KM, Shallow seismic 3D refraction data acquisition and tomography processing using P&S Component separately.**
- 3. (Phase-3) Horizontal/Directional drilling, depth range 300 meters to 1000 meters.**

Figure1A: Map showing location and 2D Lines with coordinates.

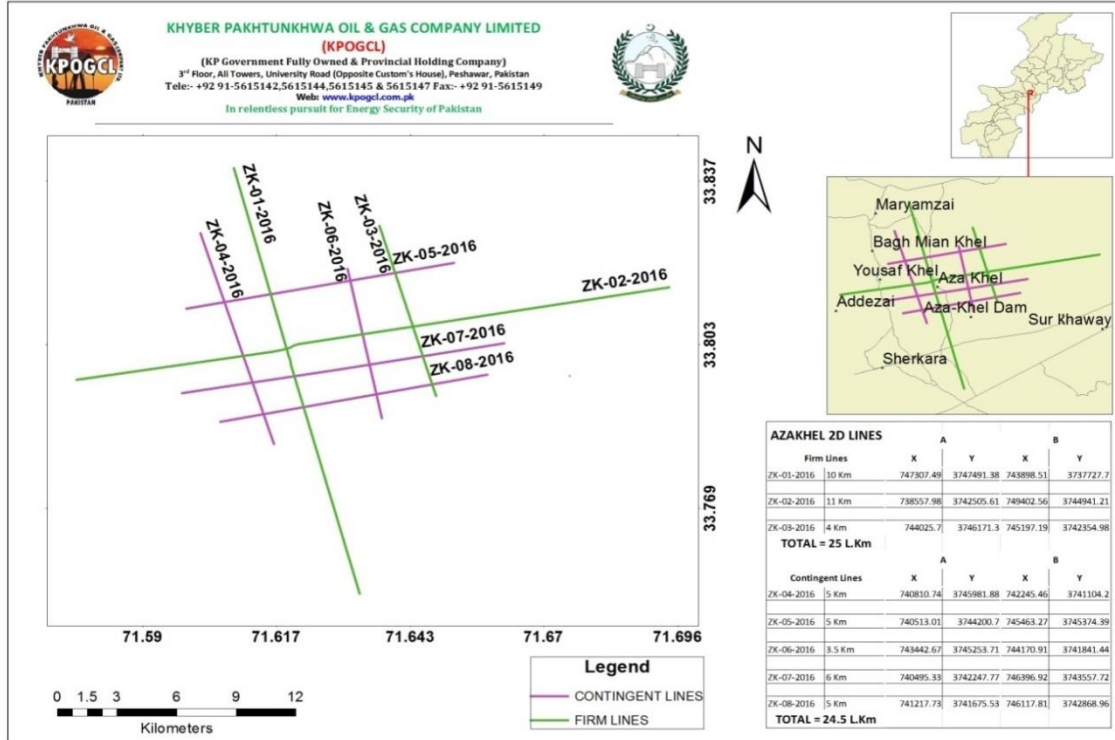
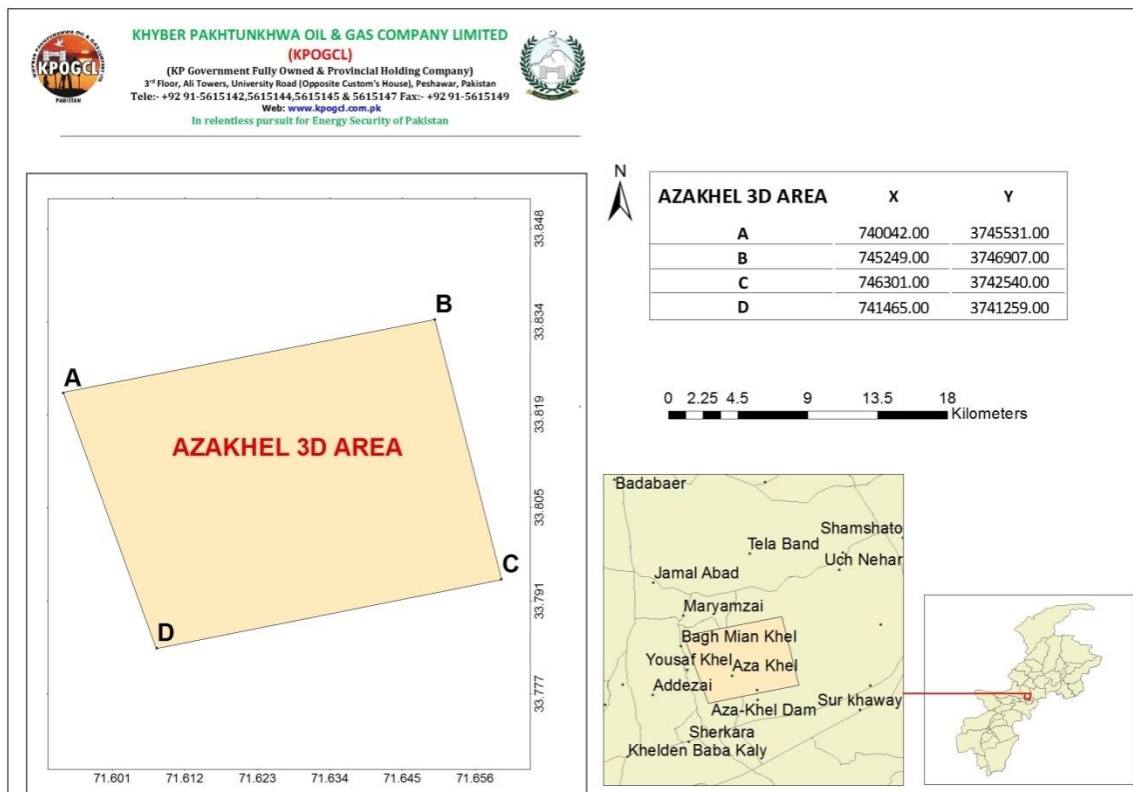


Figure1B: Map showing location and 3D Area with coordinates.





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3 Scope of Work

The aim of the seismic data acquisition program is to identify subsurface structural trends within the area to design a specialized 3D program. The 3D program and refraction tomography will be used to map seepages structures and volume.

The survey is aimed to model at local scale, the subsurface conditions favoring the accumulation of hydrocarbon.

This pilot project may also lead to a full 2D/3D seismic reflection survey on entire Peshawar basin, to further delineate the structural configurations and shall be used:

1. To enhance image of seepage sources.
2. To Identify and map major and minor faults in the area.
3. To map subsurface hydrocarbon traps for further drilling targets.

Seismic Data Acquisition Work Plan

The seismic work plan includes acquisition of 2D data about 100 LKM (25 line km (firm), and about 75 line km contingents) and 3D program of 25 square KMs. The details are given below in UTM zone 42.

2D Program:

	Start		End			
Line	X	Y	X	Y	length	
ZK-01-2016	747307.49	3747491.38	743898.51	3737728	10 Km	Firm
ZK-02-2016	738557.98	3742505.61	749402.56	3744941	11 Km	Firm
ZK-03-2016	744025.70	3746171.30	745197.19	3742355	4 Km	Firm
ZK-04-2016	740810.74	3745981.88	742245.46	3741104.20	5 Km	Contingent



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ZK-05-2016	740513.01	3744200.70	745463.27	3745374.39	5 Km	Contingent
ZK-06-2016	743442.67	3745253.71	744170.91	3741841.44	3.5 Km	Contingent
ZK-07-2016	740495.33	3742247.77	746396.92	3743557.72	6 Km	Contingent
ZK-08-2016	741217.73	3741675.53	746117.81	3742868.96	5 Km	Contingent

3D Program:

The 3D work program coordinates as per Figure1B, listed as under:

Azakhel 3D Working Area		
	X	Y
A	740042.00	3745531.00
B	745249.00	3746907.00
C	746301.00	3742540.00
D	741465.00	3741259.00

3.1 Proposed 2D Acquisition Parameters

Source point Parameters

SP interval: 40m
Source Type: Explosive/Vibroiseis

Explosive Source point

Option 1: **Single deep hole**
Shot hole depth: 10m, 12m, 15 m, 18m, 21m
Charge size: 1 Kg to 12kg



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Option 2:

Short Hole/grid Pattern 9 holes, rectangular array, 3*3

Shot hole depth :

1.5-2 m

Charge size:

0.5 Kg each hole

Vibroseis Parameters

Peak Force:

60,000 lbs or as required

No. Of vibrators:

4 Vib plus 1 Vib spare for 2D & Impulsive source
01 Vib plus 1Vib. Spare for 3D

No. Of sweeps per vib:

To be tested in the field

Sweep Length:

To be tested in the field

Sweep Frequency:

To be tested in the field

Receiver Parameters

Geophones:

Record S and P waves (Optional)

RP interval:

40m

Active channel/SP:

300, Split spread, stack array

3.2 Proposed 3D Acquisition Parameters

Source Parameters

SP interval:

40m

Source Type:

Explosive/Vibroseis

Source line interval:

400 m (adjustable after 2D results)

Explosive Parameters

Option 1:

Single deep hole

Shot hole depth:

10m, 12m, 15 m, 18m, 21m

Charge size:

1Kg to 12kg



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Option 2: Hole grid Pattern 9 holes, rectangular array, 3*3

Shot hole depth: 1.5-2 m
Charge size: 0.5-1 Kg each hole

Vibroseis Parameters

Peak Force: 60,000 lbs or as required
No. Of vibrators: 4 Vib plus 1 Vib spare for 2D & Impulsive source 01 Vib plus 1 Vib. spare for 3D
No. Of sweeps per vib: To be tested in the field
Sweep Length: To be tested in the field
Sweep Frequency: To be tested in the field

Receiver Parameters

Geophones: Record S and P waves (must)
RP interval: 40m or 20m (optional)
Active channel/SP: 2400 or 4800 (adjustable after 2D results)
Receiver line interval: 200 m (adjustable after 2D results)

4 Horizontal Drilling Scope of Work

1. KPOGCL invites reputed companies with minimum ten years' experience in Pakistan / international to submit comprehensive proposals for specialized horizontal drilling services for development and production from AzaKhel Seepages.
2. Target depth is 300 to 1000 meter. Drilling services are inclusive of all reports and testing, logging, casing, cores for each geological formation after the overburden. Bidders may have to submit rates inclusive of all services, supplies separately.



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5 Services Required & Quotations

The quotes should include the following services:

2D/3D Seismic Data Acquisition, Processing and Interpretation:

1. Turnkey rates per line kilometers for 2D data (Inclusive of all the services and deliverables as mentioned in scope of work)
2. 3D Planning and design rates lump sum or per Sq Kilometers.
3. Turnkey rates per Shot point/Sq. Km for 3D data (Inclusive of all the services and deliverables as mentioned in scope of work)
4. Turnkey rates per line kilometers 2D data and per Sq. Km 3D data and rates per line kilometers for pseudo 3D data for standard PSTM processing as well as Refraction Tomography processing/interpretation for P&S wave data separately, reports and deliverables as agreed before signing of formal contract.
5. Mobilization/Demobilization cost
6. Standby rates of Recording crew per day/hour due to weather or any other type chargeable standby.
7. Rate for parameter testing (hourly/ daily)
8. Rates for Up-hole logging for hole depth of 100 meters and per meter rates of Uphole exceeding 100m (including acquisition, processing and interpretation)
9. Rates for LVL/survey (including acquisition, processing and interpretation)
10. Permitting and land compensation rates shall be inclusive in above turnkey rates, responsibility of the contractor.
11. KPOGCL will arrange internal or 3rd party inspection of all proposed equipment before start of work.



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Horizontal/Directional Drilling:

1. Turnkey rate per meter (Inclusive of all the services as mentioned in the scope of work.
2. Activities/Equipment/tools/testing/logging/supplies related to drilling shall be the responsibility of the contractor.

Note

Only those bidders are eligible who have experience to carry out Seismic, shallow seismic, multi-component data recording, processing, interpretation and drilling on similar areas. The technical bid submitted must contain the details of the field equipment along with manufacture date which will be used in the seismic survey. The bidder should make sure that field equipment is not more than 8 years old. Recorder's specifications should be 428XL, its equivalent

6 Submission of Proposal:

1. The Firm/ Bidder interested in undertaking this venture may submit their bid /proposal to the office of CEO, Khyber Pakhtunkhwa Oil and Gas Company Limited. Technical and Financial proposal must be given separately in two sealed envelopes clearly marked.
2. The technical part of the proposal must consist of detailed work program and time schedule to complete each stage of the project. Details of overall experience of firm / bidder and experience of the firm / bidder in undertaking seismic and horizontal drilling must be included. Resumes of the experts who will work on this project must be included with academic qualification, their total work experience and their experience in seismic and horizontal drilling Projects.
3. The resume should be submitted in the following format:
 - Academic Qualification



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- Total overall experience of the professionals
- Total overall relevant experience of the firm/bidder (Upstream Oil/Gas sector)
- Overall experience of the personnel with the bidding company
- The detailed description of relevant work experience with the firm/bidder.

7 Final Deliverables and Reports 2D/3D Seismic Data and Drilling:

Contractor shall be responsible and bear the cost of surveying consumables for the 2D/3D Seismic Data recording including field tapes and explosives, caps and firing line. The Contractor shall provide field data as per DGPC/KPOGCL requirements as under:

- The original field Data of all recording on 3592/LTO2/LTO3/LTO4 cartridge tape and DVDs in SEG-D and SEG Y format **(03-copies)**.
- All support data, SPS Survey data in headers and on DVDs, LVL, Uphole, raw and processed data/results on DVDs **(03-copies)**.
- Field Processing results all intermediate, final, migrated and PSTM stacks, gathers, refraction tomography processing and interpretation results/reports on full offsets. **(03-copies/sets)**.
- Daily, weekly, monthly and project completion reports digital/printed copies **(03-copies/sets)**.
- Any other deliverables, to be discussed and agreed before signing of final contract.
- Drilling deliverables are inclusive of all reports, testing, logging, casing, cores for each geological formation after the overburden.
- Drilling services shall be inclusive of all reports and testing, logging, casing, cores for each geological formation after the overburden. Bidders may have to submit rates inclusive of all services, supplies separately. Any other deliverables related to drilling services, to be discussed and agreed before signing of final contract.



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8 Turnaround Time for Each Phase of Work Program

KPOGCL want to complete the project urgently, preferences will be given to the contractors, available immediately while fulfilling full scope of work. Contractor/bidder has to submit turnaround time for each phase of work as under:

1. 2D seismic data acquisition/processing/deliverables/reports
2. 3D seismic data planning and design deliverables/reports
3. 3D seismic data acquisition/processing/deliverables/reports
4. 2D/3D/pseudo 3D tomography processing/interpretation deliverables/reports
5. Horizontal/directional drilling deliverables/reports

Any other deliverable: to be discussed and agreed before signing of final contract.

9 Conflict of interest:

KPOGCL policy requires that Bidders provide professional, objective, and impartial advice and at all times hold KPOGCL's interest paramount, strictly avoid conflicts with other assignments or their own corporate interests and act without any consideration for future work. Bidders have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of KPOGCL. Failure to disclose said situations may lead to the disqualification of the Bidder or the termination of its Contract. A Bidder (including its Personnel and Sub-Bidders) that has a business or family relationship with a member of the KPOGCL staff who is directly or indirectly involved in any part of the preparation of this Tender document, the selection criteria and the Contract, may not be awarded the Contract for this assignment, unless the conflict stemming from this relationship has been resolved in a manner acceptable to the appropriate authority within KPOGCL.



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10 Fraud & Corruption:

It is KPOGCL's policy to require that Bidders, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, KPOGCL follows the instructions contained in Khyber Pakhtunkhwa Public Procurement Rules, 2014.

11 Proposal validity:

The Bidder's proposals shall remain valid for ninety (90) days after the deadline for submission of Proposals. During this period, Bidder shall maintain the availability of Professional staff nominated in the Proposal. The Client will make its best effort to complete negotiations, if any within this period. If the need arise; however, the Client may request Bidders to extend the validity period of their proposals. Bidders who agree to such extension shall confirm in writing that they maintain the availability of the Professional staff nominated in the Proposal, or in their confirmation of extension of validity of the Proposal, Bidders could submit new staff in replacement, who would be considered in the final evaluation for contract award. Bidders who do not agree have the right to refuse to extend the validity of their Proposals.

12 Process of Hiring and Proposal instruction:

The interested Bidders should be engaged following a two-envelop hiring method. The submittals shall be evaluated through a separate technical and financial appraisal with 70% and 30% weightage, respectively.

Prices quoted shall remain valid for 90 calendar days from the bid submission date. Financial bids of only the Technically qualified Bidders shall be opened in the presence of their representatives within 15 calendar days of bid submission or extended date as deemed necessary by KPOGCL.



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Fax, email and non-registered delivery by post mail proposal shall not be considered.

a. Bids submitted must include bidder's cover letter on its letterhead containing

- Project title/ subject: _____
- Bidder name: _____
- Name of authorized person: _____
- Bidder email/cell No. (phone, fax): _____
- Name and address of bidder and authorized person
- One original and four copies of the technical proposal are to be submitted in a sealed brown envelope marked (technical bid) with the bidder name and address clearly written on the outside left hand top corner.
- 2% bid bond shall be placed in the Financial Proposal envelope and NOT in the Technical Proposal Brown Envelope. Including 2% bid bond in the Technical Proposal shall cause rejection of the Bid. An affidavit from the bank must accompany the Technical Proposal that a 2% Bid Bond has been given to the bidder.

b. The 2% Bid Bond, CDR or PO/DD from any of these banks/corresponding banks (ABL, MCB, HBL, Askari, UBL, Al Faysal, Meezan, Standard Chartered, NPB, BOK or DIB) shall accompany the Financial Proposal and remain valid till 5:00 pm 30-11-2016. The Bank Guarantee will be issued by Bank in accordance with the format as per **Annexure-B** of the tender Documents. The Bid Bond must not accompany the Technical Proposal, instead it should be in the same envelop with the FINANCIAL BID.

c. A fixed price fee based financial proposal must be submitted in white envelope. Bidder must clearly mark outside of the envelope as "FINANCIAL BID" along with the bidder name on the left hand top corner and seal it properly. Submit one original and four copies of the financial bid



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- d. Within fifteen (15) days of receipt of the notification of contract award, the successful bidder shall furnish to KPOGCL, the Bank Guarantee / Performance Bond for an amount equivalent to 10% of contract value
- e. The Bank Guarantee / Performance bond shall remain valid and in full force and effect during validity of the contract.
- f. The validity of Bank Guarantee / Performance Bond shall be extended by the Bidder if the completion of contract is delayed, whether in whole or in part.
- g. The cost incurred for establishing the Bank Guarantee / Performance Bond or any extension thereof shall be to the account of the Bidder.
- h. The Bank Guarantee / Performance Bond will be discharged after completion of the contract.

13 General Requirement:

1. Affidavit of non-collusion: each bidder must complete the attached affidavit of non-collusion and include it with technical bid. (Annexure-A).
2. Proposal content: by submission of the bid, the bidder warrants that the information provided is true, correct and reliable for purpose of evaluation for potential contract award. The submission of inaccurate or misreading information may be grounds for disqualification from the award, as well as subject the bidder to suspension or black listing proceeding as well as other remedies available by law.
3. Department reserve the right to refrain from responding to question submitted after the deadlines.
4. Instruction to bidders: This project shall be on lump sum basis contract. The bidder shall calculate all its sub cost (including staff remuneration, administrative, travelling etc.).



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5. Questions/ queries regarding this Tender documents may be sent to the CEO by email to the following address:

razi.ceo@kpogcl.com.pk and shahan.bacha@kpogcl.com.pk

Cell #: +92 300 5001038, +92-333 5380240, +92-333 9851785

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14 No obligation

This request for proposal does not obligate the Client to award a contract or complete the process, and the Department reserves the right to cancel the solicitation if it is considered to be in its best interest. The Client further reserves right to reject one or all proposals, extend any deadlines or require for additional information without assigning any reason whatsoever.

15 Technical Evaluation Criteria/ (TEC)

- The technical proposal must contain experience of the Bidder and professionals in upstream oil & gas.
- Bidders fulfilling the technical criteria with at least 70% marks shall be selected for opening of their financial bids. Bidders scoring under 70% will get their unopened financial Bid envelopes back after signing of contract with successful bidders. Table 2A and 2B showing Technical Evaluation Criteria (TEC):

Table-2A. Technical Evaluation Criteria (TEC) – Seismic

S. NO	Description	Marks
1	No of Seismic completed last three years 3=20 2=15 1=10	20



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2	3D 150Sq km=20 100Sq. km=15 75Sq. km=10	20
3	Timeline for the 2D and 3D project each, 01months=20, 2months=15, 3months=10	20
6	Technical approach & Work Methodology = 10 Refraction Tomography Data Acquisition P&S Waves =10 Refraction Tomography Data Processing/interpretation=10	30
7	Training overseas for 10 professional=10, 5=5 Training in Pakistan 10=5, 5= 3	10
8	Total Marks (TMA)	100

Table-2B. Technical Evaluation Criteria (TEC) – Horizontal Drilling

S. NO	Description	Marks
1	No of Horizontal Drilling Projects completed last three years 3=25, 2=20, 1=15	25
2	Horizontal Drilling TD 1000m=25 1500m=20 2000m=15 Bidders having more experience in shallow wells are preferable	25
3	Timeline for the project 3months=25, 4months=20, 5months=15	25
6	Technical approach & Work Methodology	15



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7	Training overseas for 10 professional=10, 5=5	10
	Training in Pakistan 10=5, 5= 3	
8	Total Marks (TMB)	100

16 Financial Evaluation Criteria/ (FEC)

Cost for each of the technical component covering the TORs should be given in the proposal. Table 2C

S. No	Description	Turnkey Rate RS	*Lump sum RS
1	2D data acquisition per L. Km (including all services)		
2	3D data acquisition per Sq. Km(including all services)		
3	2D/3D standard/PSTM processing		
4	2D/3D/ Pseudo 3D Refraction Tomography processing/interpretation for P&S wave data		
5	3D Planning and design		
6	Horizontal/directional Drilling per meter (including all services)		
7	Out of pocket Expenses		
8	Provincial Sales Tax PST notional 15% (For evaluation and payment purposes KPOGCL figures shall prevail)		
9	Withholding Tax notional 8% (For evaluation and payment purposes KPOGCL figures shall prevail)		
11	Total		



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1. All the taxes applicable at the time of payment will be deducted from payment as per prevailing applicable laws. Requests for Currency fluctuation adjustments shall not be given.

The lowest evaluated Financial Proposal (FL) will be the maximum financial score (SF) of 100 %. The financial bids will be evaluated as follows for respective bidders

$$FM = 100 \times FL/F$$

FM = Financial Marks

FL = Lowest Financial bids

F = Cost of the proposal under consideration

17 Selection for award

1. Offered should be aware that the KPOGCL shall perform a “best value analysis” and the selection for award shall be made to the Offered whose proposal is most advantageous to the KPOGCL, taking into consideration the Technical factors listed above and the total proposed price across all contract periods.
2. Final Evaluation Criteria:

$$\frac{TMA+TMB}{2} = TM$$

$$TM \times 0.7 = TTM$$

$$FM \times 0.3 = TFM$$

$$GT = TTM + TFM$$

Where:

TM: Technical Marks



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FM: Financial Marks

TTM: Total Technical Marks

TFM: Total Financial Marks

GT: Grand Total

3. The bidder scoring the highest Grand total will be offered the contract.

Note: All Taxes will be deducted from payments as per prevailing Laws. Calculations/assessment by the Client shall be final.

4. Prices quoted shall remain valid for 90 calendar days from the Bid submission date. Financial Bids of only the technically qualified firms/Bidders shall be opened in presence of their representative within 15 calendar days.
5. Bid Submission or extended date as deemed necessary by the Client.

Note:

1. The turnkey quotes for different shot pattern should be provided separately.
2. Acquisition Parameters will be finalized after experimentation.
3. Separate prices should be quoted for different No. of Geophone strings/group.
4. Separate prices should be quoted for different fold coverage.
5. Separate prices should be quoted for different Source / Receiver Intervals.
6. Separate prices should be quoted for different pop shots pattern, single deep hole depths, Pattern deep hole depths, charge sizes, Sweep Length and no. of sweeps.
7. Contractor must have necessary equipment to handle river channels, abandoned channels and marshy areas, if required.
8. The line clearance and dozing by the contractor
9. Contractor will submit list for necessary Crew's professional
10. Contractor will submit list for Equipment



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11. Contractor will submit list of full hardware and software's, with full details for all 03-stages of work programs.
12. Contractor will submit professionals list, related working experience and completed projects list/details.

18 Proposals Instructions:

All proposals must be sent to:

Mr. Raziuddin (Razi)

Chief Executive Officer (CEO), Khyber Pakhtunkhwa Oil & Gas Company Limited (KPOGCL).

3rd Floor, Ali Towers, Opposite Custom House Main University Road Peshawar, Khyber Pakhtunkhwa, Pakistan.

E-mail: razi.ceo@kpogcl.com.pk cc: shahan.bacha@kpogcl.com.pk

Tel: +92-333-5380240, +92 300-5001038, +92 91-9216695, Fax: +92 91 9216697

Alternate: +92 3339851785

PROPOSALS ARE DUE AT ABOVE ADDRESS NO LATER THAN 11:00 A.M. PST, on 14th September, 2016.

Pre-Bid Meetings: Pre-Bid Meeting will be held at **11:00 am on 2nd September, 2016**
at KPOGCL HQ Peshawar..

19 Language, Preparation of Proposal

- 11.1. The Proposal and correspondence exchanged by the Bidder/Contractor and the Client shall be written in English language.
- 11.2. In preparing their Proposal, Bidder/Contractor are expected to examine in detail the documents comprising the RFP. Material deficiencies in providing the information requested may result in rejection of a Proposal.



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20 Project Administration:

Coordinator: KPOGCL designates Mr. _____ as Client's Coordinator; the Coordinator shall be responsible for the coordination of activities under the Contract, for receiving and approving invoices for payment, and for acceptance of the deliverables by the Client.

21 Confidentiality:

1. Any data provided by the Client or which the Bidder/Contractor or its employees have access to, or which they acquire directly or indirectly under this Tender or during the performance of this Tender, shall be deemed Confidential Information. Duplication or disclosure of such Confidential Information by Bidder/Contractor or any one claiming through it without the prior written consent of the Client is strictly prohibited. All Confidential Information shall be the sole property of the Client. The Bidder/Contractor hereby agrees not to disclose said data, information, any interpretations thereof, or data derivative there from or any information relating to Client's facilities, installations and operations etc to unauthorized parties or person. The obligations under these provisions shall survive the termination or expiry of the Contract.
2. Neither the Bidder/Contractor nor any of its employees shall, except with the prior written consent of the Client, take ground or aerial photographs of the site, rig, installation or existing facilities of the Client.
3. The Bidder/Contractor further undertakes that it shall not, except with the prior written consent of the Client:
 - i) make any reference publicly, whether to the press or in books, brochures, internal publications, publicity material, magazines and periodicals or by advertisement through radio, television or films or by any other medium relating to:
 - a) The Contract or its terms and conditions,
 - b) The nature or extent of Services carried out by the Contractor,
 - c) The method, materials, or equipment used and personnel employed, or



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- d) Any other Client information in the possession of the Contractor.
- ii) Disclose or convey any of the matters or information referred to in (i) above to any employees of the Bidder/Contractor not directly concerned with the Contract.

22 Dispute Resolution:

- a) Any and every dispute, difference or question which may arise between the parties out of this agreement or relating to means, operation of this agreement or the breach thereof shall be first settled by the parties by an attempt at amicably settling the dispute through mutual negotiations. In case the disputes, differences or questions cannot be settled amicably or satisfactorily by correspondence or by mutual discussion within 15 days after receipt by one party of the other party's request for amicable settlement, it shall be referred to a CEDR (Centre for Dispute Resolution) or any other accredited/trained Mediator.
- b) In case the mediation fails the dispute shall be referred to Arbitration in accordance with the Arbitration Act 1940. Arbitration proceedings shall be held at Peshawar and arbitration award shall be final and binding on the parties.
- c) In case court proceedings are to be commenced over any issue/dispute arising out of or in relation with this contract, courts at Peshawar, Khyber Pakhtunkhwa shall have the exclusive jurisdiction.

21 Check list for Personnel

S. No	Description	Numbers	Yes	No
1	<u>Party Chief experience not less than 10 years</u>	01		



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2	Data Acquisition Engineers (05 to 15 years' experience)	02		
3	QC Geophysicists (05 to 15 years' experience)	02		
4	On-site seismic data processor (05 to 15 years' experience)	02		
5.	HSE Advisor	01		
6.	Medical Doctor	02		
7.	Accounts / Admin Assistants	02		
7	Surveyors	07		
8	Radio Operator	02		
9	Recording Field Assistant	02		
10	Recording men	08		
11	Drilling Technicians	02		
12	Vibrator Technicians & Shooting Supervisor	03		
13	Vibrator Operators	06		
14	Plant Attendant / Electrician	02		
15	Mechanics	05		
16	Drillers	02		
17	Carpenter	01		
18	Shooters	05		
19	Dozer Operators	As required		



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20	Any other as per requirement			
21	Directional Driller (experiences not less than 6 years)	2		
22	MWD Survey Engineer (experiences not less than 6 years)	2		
23	Mud Engineer (experiences not less than 7 years)	2		
24	Mechanic(experiences not less than 15 years)	2		
25	Drilling crew	As required		

22 Check list for Equipment

S. No.	Description of Technical Information	Yes	No
1	RECORDING EQUIPMENT latest telemetry system (like 428 XL / I/O-4/Scorpion/ G3i) or better. Maximum Number of active channels capability of recording Number of available Ground Electronics: Cables Geophone strings 12 No. of geophones per string (SM-24/SG-10 equivalent or		



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2	better). S and P waves recording Geophones for 3D survey Type of data storage and onsite real time QC system Detail of auxiliary / test equipment Vibrator Control System		
	SOURCE EQUIPMENT Rigs capable for this project Portable Rigs/ Jack hammers of units available Air compressor rigs/Truck Mounted Mud Rigs / duel system Rigs Vibroseis vibrators with peak force not less than 60,000 pounds, equipped with DGPS system.		
	REFRACTION / UPHOLE LOGGING UNITS 24 Bit Up-hole Logging Unit Geophones Rig with Capacity		



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3	LVL / Refraction Survey Unit, Geophones Spread Length / Channels LVL processing & Statics calculation software.		
4	QC & ONSITE PROCESSING seismic data processing Make / model 2D/3D planning and designing Software 2D/3D Processing Software 2D/3D refraction Static Modeling S/W 2D/3D Refraction tomography processing S/W		
5 6	GPS/SURVEY EQUIPMENT AND PROCESSING SOFTWARE AND HARDWARE		
7	MISCELLANEOUS EQUIPMENT EARTH MOVING MACHINERY Bulldozers etc and supporting vehicles & Boats RADIO/ COMMUNICATION		



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	EQUIPMENT. VHF Radio Equipment Walki Talki Internet, Fax, Satellite phone facility. CAMP KIT.		
8	Drilling rig having capacity of 2000m drilling with complete accessories		
9	MWD system		
10	Standard Mud Motor		
11	High torque/temperature mud motor		
12	Magnetic drill collar		
13	Integral Blade stabilizer		
14	Any other tool used in horizontal drilling		



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Annexure- A

Declaration by an authorized signatory of the Bidder/firm

I, (Name)_____

(Designation)_____ of

(Firm's Name)_____

I am an authorized signatory of the Bidding Firm, mentioned in the Technical and Financial proposal and above, I attest that I am competent to sign this declaration and execute this Tender document;

2. I have carefully read and understood all the terms and conditions of the Tender document and undertake to abide to them;

3. The information/ documents furnished along with the Technical & Financial Proposals are true and authentic to the best of my knowledge and belief. I/we, am/ are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of this bid at any stage besides liabilities towards prosecution under appropriate law.

4. I/we understand that Khyber Pakhtunkhwa Oil & Gas Company Limited (KP OGCL) may require further information and we will duly provide that information in the time stipulated by KP OGCL, and that any non-supply of such information would lead to rejection of this bid at any stage besides liabilities towards prosecution under appropriate law.

Signature of authorized person

Full name:_____

Date: _____

Seal:_____

NOTE: Please attach the above DECLARATION BY AN AUTHORIZED SIGNATORY OF THE FIRM to the Technical Proposal of this Tender document.



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Annexure- B

Bid bond

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(KPOGCL) 3rd Floor, Ali Towers, Opposite Custom House Main University Road
Peshawar Pakistan

Guarantee No.....

Date of expiry

Amount.....

Dear Sir,

In consideration of M/s.....

herein after called "THE BIDDER" having submitted the accompanying Bid with reference to Tender number 315 and in consideration of value received from (the Bidder above), we hereby agree to undertake as follows:-

To make unconditional, immediate and forthwith payment of the sum ofupon your FIRST and SIMPLE written demand without further recourse, question, query, deferment, contestation or reference to the bidder, account party or any other person in the event of the withdrawal of the aforesaid bid by the BIDDER before the end of the period specified in the Bid after the opening of the same for the validity thereof or if no such period be specified, within 150 days after the said opening or if the Bidder, having been notified of the acceptance of his bid by the Company during the period of bid validity:

Fails, refuses or delays to execute the Contract in accordance with the instruction to Bidders, or Fails, refuses or delays to furnish Performance Bond in accordance with the instruction to Bidders.

To accept written demand from you as conclusive, sufficient and final evidence of the existence of a default of non-compliance, breach or default as aforesaid on the part of the BIDDER and to



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make payment immediately and forthwith upon receipt of your FIRST and SIMPLE written demand.

No grant of time or other indulgence to, or composition or arrangement with the BIDDER in respect of the aforesaid Bid with or without notice to us shall affect this Guarantee and our liabilities and commitments hereunder.

This is an independent and direct obligations guarantee and shall be binding on us and our successor in-interest and shall be irrevocable.

The Guarantor Bank warrants and represents that it is fully authorized, empowered and competent to issue this guarantee.

Yours faithfully,

(BANKERS)



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