

OIL & GAS DEVELOPMENT COMPANY LIMITED



TENDER ENQUIRY NO. PROC-SERVICES/CB/HSEQ-5447/2022

HIRING OF SERVICES FOR ENVIRONMENTAL IMPACT ASSESSMENT (EIA)
FOR WALI FIELD DEVELOPMENT PROJECT

TERMS OF REFERENCE (TOR)

(AND APPLICATION FORM FOR COMPETITIVE BIDDING MODE)

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR WALI FIELD DEVELOPMENT PROJECT

Important:

- a. Responsive Bidder with the Lowest Financial Bids will be awarded the specific EIA Study.
- b. Bids claiming payment on reimbursement basis and/or quoting open ended charges and/or seeking deviation to the given payment terms will be declared Non-Responsive.
- c. NO ADVANCE PAYMENT OR MOBILIZATION CHARGES shall be made to the Contractor.
- d. OGDCL may call the Consultant for submission of EIA Application to respective EPA on behalf of Proponent; presenting any part of the study or the entire study itself before clarifying/ processing the invoice(s) at any stage/ phase.
- e. Consultant will arrange & coordinate site Inspection Visits for EPA on as & when required basis.
- f. OGDCL will NOT pay any other charges OTHER THAN the lump sum cost as quoted in the Financial Bid.
- g. Deductions will be made from the invoices in case of delay in conducting the study, engaging sub-standard team of consultants, late submission of the report and/or poor quality of the EIA Report.
- h. Financial Evaluation/comparison will be made on study basis
- i. It is MANDATORY for the bidders to commit workload ON PARALLEL BASIS they wish to quote.
- j. INCOMPLETE BIDS WILL BE REJECTED.
- k. Prices should be inclusive of all applicable taxes & levies but EXCLUSIVE of Provincial Sales Tax on services, where applicable shall be borne by OGDCL.
- l. Provincial Sales Tax on services if applicable should be mentioned separately for reference purpose only.

SCOPE OF WORK (EIA Study)

The purpose of hiring services for EIA Study is to take into account all environmental work necessary for the appropriate local environmental regulatory reviews and approval of the proposed exploration and production/ project activities.

OGDCL is interested in obtaining regulatory approvals to commence the work on ASAP basis at this project. Maps of the proposed working areas showing the geographical positions will be available to the successful bidders only.

1. Project background

Oil and Gas Development Company Limited (OGDCL), being operator of Wali Exploration License (E.L) with 100% working interest has made a Gas and Condensate discovery in Wali Block from its exploratory efforts at well Wali # 01 which is located in Lakki Marwat District Khyber Pakhtunkhwa Province.

First Wali well was spudded-in on December 2, 2019 as an exploratory well and was drilled down to the total depth of 4727 meters into Kawagrah formation. Based on the results of the conventional wireline logs and image logs interpretation, three Drill Stem Tests (DST) were conducted into Kawagarh, Hangu and Lockhart Formations. The initial results of the testing are as under:

DST-1 (Kawagarh Fm)		DST-2 (Hangu Fm)		DST-3 (Lockhart Fm)	
Gas Rate (MMSCFD)	11.8	Gas Rate (MMSCFD)	11.30	Gas Rate (MMSCFD)	13.70
Condensate Rate (BPD)	945	Condensate Rate (BPD)	895	Condensate Rate (BPD)	1010
Choke Size (1/64")	32"	Choke Size (1/64")	32"	Choke Size (1/64")	32"
WHFP (Psi)	3000	WHFP (Psi)	2800	WHFP (Psi)	3050

In view of above DST results, OGDCL has planned for appraisal wells and development of Wali Early Production Facility (EPF). Gas during appraisal phase of the discovery, is around 21MMscfd gas and 1600 BOPD Condensate. However, as per Contingent Profile from appraisal wells the anticipated gas quantity is 50 MMSCFD. Contingent forecast is subject to successful testing after drilling & completion of appraisal wells.

Wali gas processing facility with respect to CO₂, Moisture control is ready for installation. OGDCL would be able to deliver Specification Gas as set out by OGRA from after installation of membrane skid facility which may take eight month.

Note: To address the country energy crises a working paper on wali well discovery was shared with M/s SNGPL with a request to execute its plan to off-take gas from Wali field by laying pipelines. SNGPL main Pipeline availability is in Manjuwal which is at a significant distance of around 55 Kms from Wali field.

2. **Scope of Work:**

Reference to relevant World Bank/ International Financial Corporation Guidelines and country's applicable Federal and Provincial laws & regulations, Scope of Work to fundamentally address, without limitation, the following:

- Conduct EIA STUDY through extensive surveys and consultation process, based upon established primary data collection methods.
- Take clearances under Federal/ Provincial Environmental Regulations through public hearing, review meetings/ physical presentations and other liaison sessions to respective provincial Environmental Protection Agency(ies) on site or at their office(s) with due diligence.
- Track and expedite the approval process to obtain the environmental clearances from the RESPECTIVE PROVINCIAL ENVIRONMENTAL PROTECTION AGENCY(IES).

The EIA Reports shall together comprise description of the proposed operations, assessment of existing environmental quality status based on available secondary data supplemented by collection of primary data for the region; Environmental Assessment incorporating identification, prediction and evaluation of impacts and delineation of environmental management plan.

CONSULTANT WILL BE REQUIRED TO ATTEND EPA QUERIES & OBTAIN ENVIRONMENTAL CLEARANCES AND APPROVALS FROM THE RESPECTIVE PROVINCIAL ENVIRONMENTAL PROTECTION AGENCY(IES) EMPLOYING ITS OWN RESOURCES.

Note: Consultant must provide its detailed understanding on the scope of work and explain how the environmental clearance shall be obtained in the form of execution plan/activity chart with respect to the activity envisaged by OGDCL.

3. **Timeframe for Deliverables:**

Contract Completion Time (Duration):

Thirty Six (36) weeks from the date of award of contract.

Timeframes for Deliverables:

- **Submission of EIA Study:**
Four (04) weeks for EIA study from the date of award of contract.
- **Acquisition of NOC:**
Four (04) weeks before contract completion time.

Consultant may quote its best timeframe and provide the activity chart/ Gantt Chart in the proposal.

4. **Work Program**

The work program will include the following:

A. Baseline Environmental Quality Status:

- Measurement and collection of data on climate/ weather, hydro-geography and air quality (EPA Certified lab. test required) in the region including noise environment.
- Assessment of physico-chemical characteristics of surface/ ground water (EPA Certified lab. test required).
- Assessment of biological characteristics of water, soil components (EPA Certified lab. test required) of environment and wild life.
- Assessment of primary and secondary productivity in the study regions.

B. Environmental Impact Assessment:

- Prediction of adverse impacts due to projects' disturbances.
- Assessment of environmental risks due to noise.
- Assessment of adverse impacts on ecological resources in the region.
- Assessment of adverse impacts on human interests.

C. Environmental Management Plan: Propose appropriate measures to prevent/ minimize the adverse impacts due to the projects' operations on various components of environment.

D. Emergency Response (ER) Plan: Emergency Response (ER) Plans to be developed including all scenarios (fire, spill, leakage, etc.), emergency evacuation, casualties handling and post incident management.

E. Waste/ Pollution Management Plan: Waste/ Pollution Management Plans to be developed considering solid, liquid (effluents), and gaseous waste – both hazardous and non-hazardous in nature.

5. Inputs from Company:

Resources as already used in the similar E&P operations in the company.

6. Responsibilities of Environmental Contractor:

After the submission of deliverable(s), the Consultant shall obtain environmental clearances / approvals from the RESPECTIVE ENVIRONMENTAL PROTECTION AGENCY (IES) on urgent basis.

7. Deliverables for each EIA Report:

- | | |
|---|---|
| - Complete EIA Report along with;
Baseline Research of Flora Fauna and Social Outline
Original & copies of Soil Analysis Laboratory/ QC Report
Original & copies of Air Analysis Laboratory/ QC Report
Original & copies Water Laboratory/ QC Report
Environmental Management Plan
Emergency Response (ER) Plan
Waste/ Pollution Management Plan
Complete Set of application documents i.e. all relevant
Schedules/undertakings, maps etc. w.r.t. updated Env. Regulations | 16 Copies (06 colored copies + 10 b/w copies) |
| - Soft copy of all above | 02Copies |
| - Executive Summary | 25Copies |
| - Presentation Public Hearing (soft copy PPT Format) | 02Copies |
| | or as required, whichever is higher |

8. Mode of Payment Per EIA Study:

The total contract amount should be INCLUSIVE of charges related to TAXES, DUTIES, TRAVEL and ACCOMMODATION, consultation and technical meetings (except ICT/PST, where applicable shall be borne by OGDCL) to be incurred during study(ies). These shall be payable by the OGDCL to the Consultant in following manner viz a viz all items mentioned in the Scope of Work:

- First Installment:** 25% of the total contract amount after submission of two (02) softcopies, twelve (12) hardcopies of Final EIA Report and ten (10) copies of Executive Summary of the project, subject to endorsement by OGDCL.
- Second Installment:** 25% after successful organizing Public Hearing.
- Third Installment:** 50% of the total contract amount (of each study) on receipt of NOC from respective federal/provincial ENVIRONMENTAL PROTECTION AGENCY(IES).

However, Reference;

Section 13(4) of Khyber Pakhtunkwa-Environmental Protection Act, 2014

Section 12(4) of Pakistan Environmental Protection Act (PEPA), 1997

"The Agency shall communicate its approval or otherwise within the a period of four months from the date of the initial environmental examination or environmental impact assessment is filed complete in all respects in accordance with the prescribed procedure, failing which the initial environmental examination or, as the case may be, the environmental impact assessment shall be deemed to have been approved, to the extent to which it does not contravene the provisions of this act and the rules, provided that delay is not on part of the proponent for the provision of additional information asked for during the review process or conductance of public hearing of the project."

In such scenario, if the subject case is considered Deemed Approved, the consultant will manage EPA reply/acceptance for deemed approved within the stipulated contract period i.e. 04 weeks before contract completion (36 weeks) and third installment will be paid accordingly. Otherwise if the bidders fail to acquire NOC or deemed approval consent from EPA no payment against third installment will be paid after 36 weeks.

9. **Bid Application Details**

Please check Annexure.

10. **Financial Bid Details / Comparative Statement Format**

WALI FIELD DEVELOPMENT PROJECT

Phase-wise bid details	Unit Rate [PKR]	Quantity (Sample)	Total
1. Software / Graphics / Mapping Charges		1	
2. Laboratory / QC Charges ... Drinking Water Testing (<i>Twenty parameters; Bacterial, Physical, and Chemical</i>)		3 sample points	
3. Laboratory / QC Charges ... Soil Analysis (<i>Five parameters; pH, Electrical Conductivity, Lead, Arsenic, Zinc</i>)		3 sample points	
4. Laboratory / QC Charges ... Ambient Air Monitoring (<i>Five parameters; SO_x, NO_x, SPM, Lead, and CO</i>)		3 sample points	
5. Baseline Study of Flora, Fauna and Social Outline		1 Study	
6. Environmentalist Charges		1	
7. Wildlife Expert Charges		1	
8. Biologist & Botanist Charges		1	
9. Cost of Travelling & Accommodation (<i>during Baseline Study and Public Consultations</i>)		1	
10. Environment Report Documentation/ Report Charges		1	
11. Cost of Travelling (<i>For Submission of Application along with requisites Schedules to concerned EPA</i>)		1	
12. Overheads during meetings & Site Visits with EPA Officials		2	
13. Public Hearing (complete arrangements including lunch for all participants and souvenirs for EPA Officials) Charges		For 200 people	
Total Bid Price (PKR) for 01 EIA Study Report			

PS: All above detail must be addressed appropriately. OGDCL will NOT provide any boarding & lodging and pick & drop services

ANNEXURE
Application Form (EIA Studies)

01 General

Name and address of company:

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Type of Contractor: (Consortium, Public limited liability, private, limited, private practice, wholly owned subsidiary, sole proprietary, etc.) (Provide Valid Evidence)

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Date established: (Provide Certificate of Incorporation)

.....

Last annual turnover: (Provide Valid Evidence/ Audited Accounts for Last 03 Years)

.....

Name and address of Contractor's (Lead Consortium Company's or Firm's) Bankers:

.....

.....

Names and addressed of Consortium Member Companies:

.....

.....

Is Contractor registered with Income Tax Department? (Provide Valid Evidence)

.....

Registration No:

.....

VAT/ NTN/ STRN No.:

.....

VAT/ Sales Tax Deposit Amount: (Provide Valid Evidence for last 03 Years)

.....

CEO / Managing Director:

.....

Contact/ Focal Person:

.....

Telephone numbers:

.....

Fax number:

.....

Email Address:

.....

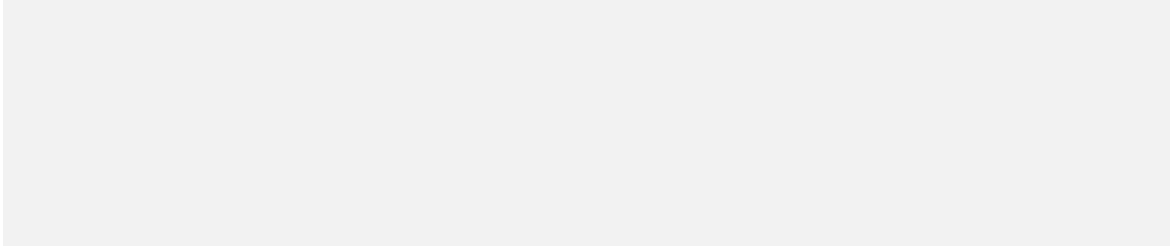
Notes:

- Evidence of certificate of incorporation/ company registration certificate required.
- Evidence of Active Tax Payer and attested copy of last 03 years tax returns required.
- If a Consortium is applying for prequalification, then only the Lead Consortium Company should participate in the prequalification process as potential applicant.
- Lead Consortium Company must provide the copy of Consortium Agreement including the Responsibility Matrix delineating the rights and obligations of each Consortium Member Company must be submitted along with the prequalification application.
- Affidavit on stamp paper, declaring that Contractor is not blacklisted by any Government agency/authority (Original required).

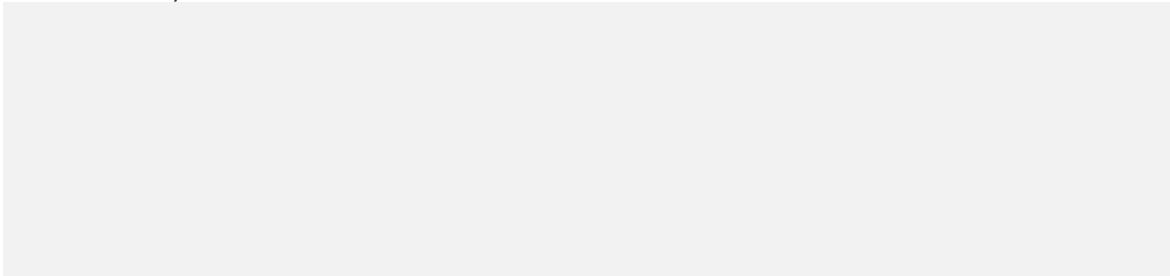
02 Experience (EIA Studies)

Non-E&P EIA Studies conducted by you since 2016.

Attach the Clientele List showing Study Title, Client's Address and Tel. No., Number of Team Members, and Duration of Study.

**EIA Studies for oil and gas exploration & production operations conducted by you since 2016.**

Attach the Clientele List showing Study Title, Client's Address and Tel. No., Number of Team Members, and Duration of Study.



03 List of Experts (Attach complete profiles and portfolios)

#	Name of Expert and Designation	Professional Qualification	Certifications / Registrations	Employed with you since	Total Experience in years
List of Experts Petroleum and Chemical Engineers (Oil & Gas sector)					
1.					
2.					
List of Chemists and Environmental Analysts					
3.					
4.					
List of Wildlife Experts					
5.					
6.					
List of Socio-Economists					
7.					
8.					
List of Hydrologists					
9.					
10.					
Others					
11.					
12.					

List of Visiting Experts (Domain Experts on visiting and/or contractual basis)
 (Provide Valid Evidence like NOC)

#	Name of Expert and Designation	Professional Qualification	Certifications / Registrations	Employed with you since	Total Experience in years
List of Experts Petroleum and Chemical Engineers (Oil & Gas sector)					
1.					
2.					
List of Chemists and Environmental Analysts					
3.					
4.					
List of Wildlife Experts					
5.					
6.					
List of Socio-Economists					
7.					
8.					
List of Hydrologists					
9.					
10.					
Technical Writer					
11.					
12.					

06 Technical Qualification Criterion

Evaluation Aspect		Min. Marks		Max. Points
Experience of conducting EIA Studies	Number of non E&P EIA Studies conducted since 2016; (Minimum requirement is 07 studies, 01 mark for each study; provide complete list of clientele with addresses & contact numbers)	07	35	50
	Number of E&P EIA Studies conducted for Seismic & Drilling; Oil & Gas Processing Plants since 2016; (Minimum requirement is 07 studies, 04 marks for each study; provide complete list of clientele with addresses & contact numbers)	28		
Qualification, competence and experience of Experts	Petroleum and Chemical Engineers (Minimum requirement is 01 Professional)	4	24	35
	Wildlife Experts (Minimum requirement is 01 Professional)	4		
	Socio-Economists (Minimum requirement is 01 Professional)	4		
	Chemists/ Environmental Analysts (Minimum requirement is 01 Professional)	4		
	Hydrologists (Minimum requirement is 01 Professional)	4		
Biologists (Minimum requirement is 01 Professional)	4			
Laboratory Status	Range of Lab Equipment and Capabilities: Physical existence of lab. and equipment for monitoring of emissions/ ambient air quality, effluents, & noise (Own lab. = 15; Outsource lab. operations = 10.5]	11		15

Minimum qualification marks (technical) are 70% of which financial bids will be opened.

Note: Firm has to submit Legal Affidavit showing that it has complete professional ability to carry out PARALLEL EIA Studies in OGDCL's onshore/ offshore Blocks (Leases) at one point of time in different provinces including ex. FATA & other tribal areas.

OTHER IMPORTANT INFORMATION

BIDDING METHOD:

Bids against this tender are invited on **'Single Stage Two envelop'**

AMOUNT OF BID BOND:

Bid Bond /Bid Security amounting to **PKR 50,000/-** is to be attached / provided with the technical bid. Please see Master Set of Tender Document for further details.

MANDATORY REQUIREMENT

For online payment to vendors/contractors through (IBFT & LFT). Following info is required from your company: -

1. IBAN (INTERNATIONAL BANK ACCOUNT NUMBER 24 DIGITS).
2. VENDOR NAME AS PER TITLE OF THEIR BANK ACCOUNT.
3. NTN NO.
4. CONTACT # OF COMPANY CEO/OWNER (MOBILE & LANDLINE).
5. POSTAL ADDRESS.
6. BANK NAME.
7. BANK BRANCH NAME & ADDRESS.

The master set of tender documents (services) uploaded on OGDCL's website (www.ogdcl.com) is the integral part of this TOR.

Bidders are requested to read TOR & Master Set to Tender Documents (Services) and provide complete information / documents including tender annexures