

**OIL & GAS DEVELOPMENT COMPANY LIMITED**



***TENDER ENQUIRY NO. PROC-SERVICES/CB/HSEQ-5201/2021***

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA)  
FOR COMMENCING OIL & GAS DRILLING OPERATIONS IN KHYBER  
PAKHTUNKHWA PROVINCE FOR  
WELL NASHPA-11, NASHPA X-1, GURGALOT X-1 AND CHANDA-06**

**Note:**

- i) Tender is to be processed on **single stage single envelope bidding procedure.**
- ii) **Bid bond of PKR: 60,000/- (Pak Rupees Sixty Thousand) against each quoted study (i.e. total PKR: 240,000 for all four studies) to be submitted with the technical bid. Please see tender documents for further detail.**
- iii) The master set of tender documents (services) uploaded on OGDCL website ([www.ogdcl.com](http://www.ogdcl.com)) is the integral part of this TOR.

# **TERMS OF REFERENCE (TOR)**

(AND APPLICATION FORM FOR COMPETITIVE BIDDING MODE)

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA)  
FOR COMMENCING OIL & GAS DRILLING OPERATIONS IN  
KHYBER PAKHTUNKHWA PROVINCE FOR  
WELL NASHPA-11, NASHPA X-1, GURGALOT X-1 AND CHANDA-06  
WITH THE OBJECTIVE TO TIE-IN WELLS WITH RESPECTIVE  
OIL & GAS FACILITY**

**Important:**

- a. Responsive Bidder can apply (may quote) either for one, any combination or all studies.
- b. Responsive Bidder with the Lowest Financial Bids will be awarded the specific EIA Study.
- c. 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.
- d. NO ADVANCE PAYMENT OR MOBILIZATION CHARGES shall be made to the Contractor.
- e. 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.
- f. Consultant will arrange & coordinate site Inspection Visits for EPA on as & when required basis.
- g. OGDCL will NOT pay any other charges OTHER THAN the lump sum cost as quoted in the Financial Bid.
- h. 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.
- i. Financial Evaluation/comparison will be made on study wise basis.
- j. It is MANDATORY for the bidders to commit workload ON PARALLEL BASIS they wish to quote.
- k. INCOMPLETE BIDS WILL BE REJECTED.
- l. Prices should be inclusive of all applicable taxes & levies but EXCLUSIVE of Provincial Sales Tax on services, where applicable shall be borne by OGDCL.
- m. Provincial Sales Tax on services if applicable should be mentioned separately for reference purpose only.

**SCOPE OF WORK - I**  
**(EIA Study)**

The purpose of hiring services for EIA Studies 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 these areas. Maps of the proposed working areas showing the geographical positions will be available to the successful bidders only.

**1. Project background**

Specificity of drilling operations will be provided later on after issuance of LOI to the successful bidder.

**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 STUDIES 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.

**Timeframe for Deliverables:**

- **Submission of EIA Study:**  
*Four (04) weeks per 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 (lab. test required) in the region including noise environment.
- Assessment of physico-chemical characteristics of surface/ ground water (lab. test required).
- Assessment of biological characteristics of water, soil components (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; 16Copies (06 colored copies + 10 b/w copies)  
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
  - 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 third installamnet won't be applicable as well as claimable by the Consultant.

**9. Bid Application Details**

Please check Annexure.

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

WELL NASHPA-11

Phase-wise bid details	Unit Rate [PKR]	Quantity (Sample)	Total
1. Software / Graphics / Mapping Charges		1	
2. Laboratory / QC Charges ... Drinking Water Testing (Twenty parameters; Bacterial, Physical, and Chemical)		3 sample points	
3. Laboratory / QC Charges ... Soil Analysis (Five parameters; pH, Electrical Conductivity, Lead, Arsenic, Zinc)		3 sample points	
4. Laboratory / QC Charges ... Ambient Air Monitoring (Five parameters; SO <sub>x</sub> , NO <sub>x</sub> , SPM, Lead, and CO)		3 sample points	
5. Baseline Research 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 (during Baseline Study and Public Consultations)		1	
10. Environment Report Documentation/ Report Charges		1	
11. Cost of Travelling (For Submission of Application along with requisites Schedules to concerned EPA)		1	
12. Overheads during meetings & Site Visits with EPA Officials		2	
13. Public Hearing (complete arrangements) 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

NASHPA X-1

Phase-wise bid details	Unit Rate [PKR]	Quantity (Sample)	Total
1. Software / Graphics / Mapping Charges		1	
2. Laboratory / QC Charges ... Drinking Water Testing (Twenty parameters; Bacterial, Physical, and Chemical)		3 sample points	
3. Laboratory / QC Charges ... Soil Analysis (Five parameters; pH, Electrical Conductivity, Lead, Arsenic, Zinc)		3 sample points	
4. Laboratory / QC Charges ... Ambient Air Monitoring (Five parameters; SO <sub>x</sub> , NO <sub>x</sub> , SPM, Lead, and CO)		3 sample points	
5. Baseline Research 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 (during Baseline Study and Public Consultations)		1	
10. Environment Report Documentation/ Report Charges		1	
11. Cost of Travelling (For Submission of Application along with requisites Schedules to concerned EPA)		1	
12. Overheads during meetings & Site Visits with EPA Officials		2	
13. Public Hearing (complete arrangements) 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

GURGALOT X-1

Phase-wise bid details	Unit Rate [PKR]	Quantity (Sample)	Total
1. Software / Graphics / Mapping Charges		1	
2. Laboratory / QC Charges ... Drinking Water Testing (Twenty parameters; Bacterial, Physical, and Chemical)		3 sample points	
3. Laboratory / QC Charges ... Soil Analysis (Five parameters; pH, Electrical Conductivity, Lead, Arsenic, Zinc)		3 sample points	
4. Laboratory / QC Charges ... Ambient Air Monitoring (Five parameters; SO <sub>x</sub> , NO <sub>x</sub> , SPM, Lead, and CO)		3 sample points	
5. Baseline Research 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 (during Baseline Study and Public Consultations)		1	
10. Environment Report Documentation/ Report Charges		1	
11. Cost of Travelling (For Submission of Application along with requisites Schedules to concerned EPA)		1	
12. Overheads during meetings & Site Visits with EPA Officials		2	
13. Public Hearing (complete arrangements) 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

CHANDA-06

Phase-wise bid details	Unit Rate [PKR]	Quantity (Sample)	Total
1. Software / Graphics / Mapping Charges		1	
2. Laboratory / QC Charges ... Drinking Water Testing (Twenty parameters; Bacterial, Physical, and Chemical)		3 sample points	
3. Laboratory / QC Charges ... Soil Analysis (Five parameters; pH, Electrical Conductivity, Lead, Arsenic, Zinc)		3 sample points	
4. Laboratory / QC Charges ... Ambient Air Monitoring (Five parameters; SO <sub>x</sub> , NO <sub>x</sub> , SPM, Lead, and CO)		3 sample points	
5. Baseline Research 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 (during Baseline Study and Public Consultations)		1	
10. Environment Report Documentation/ Report Charges		1	
11. Cost of Travelling (For Submission of Application along with requisites Schedules to concerned EPA)		1	
12. Overheads during meetings & Site Visits with EPA Officials		2	
13. Public Hearing (complete arrangements) 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**

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**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)

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

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

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**Names and addressed of Consortium Member Companies:**

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

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Registration No:

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VAT/ NTN/ STRN No.:

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

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**CEO / Managing Director:**

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**Contact/ Focal Person:**

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**Telephone numbers:**

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**Fax number:**

.....

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**Email Address:**

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**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).

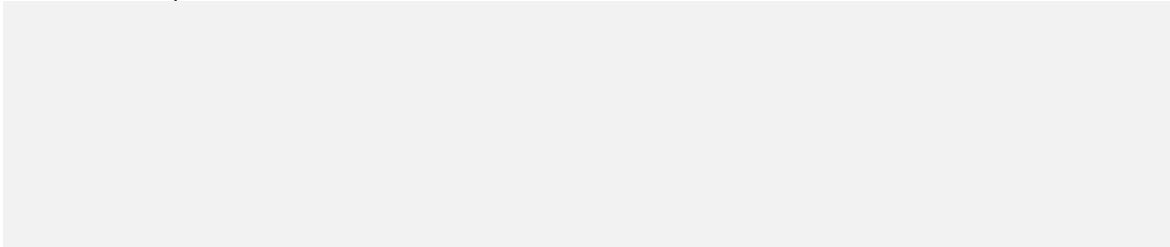
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**02 Experience (EIA Studies)**

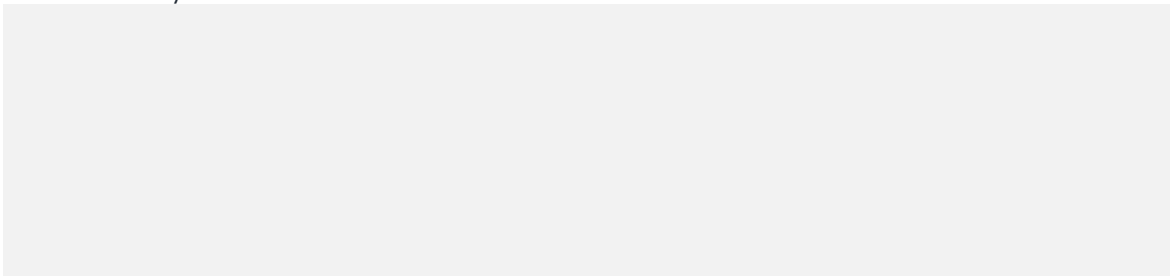
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**Non-E&P EIA Studies conducted by you since 2015.**

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 2015.**

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
<b>List of Experts Petroleum and Chemical Engineers (Oil &amp; Gas sector)</b>					
1.					
2.					
<b>List of Chemists and Environmental Analysts</b>					
3.					
4.					
<b>List of Wildlife Experts</b>					
5.					
6.					
<b>List of Socio-Economists</b>					
7.					
8.					
<b>List of Hydrologists</b>					
9.					
10.					
<b>Others</b>					
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
<b>List of Experts Petroleum and Chemical Engineers (Oil &amp; Gas sector)</b>					
1.					
2.					
<b>List of Chemists and Environmental Analysts</b>					
3.					
4.					
<b>List of Wildlife Experts</b>					
5.					
6.					
<b>List of Socio-Economists</b>					
7.					
8.					
<b>List of Hydrologists</b>					
9.					
10.					
<b>Technical Writer</b>					
11.					
12.					

**04 Testing/ Inspection Capabilities**

(Mention detail of the field and laboratory tests performed by you.)

<b>Field Apparatus</b>				
#	Name of Field Apparatus	Type of Tests Performed (Capability)	Standard Test Method	Reference NEQS, Radioactive, etc.



## 06 Technical Qualification Criterion

Evaluation Aspect		Min. Marks		Max. Points
Experience of conducting EIA Studies	Number of non E&P EIA Studies conducted since 2015; (Minimum requirement is 07 studies, 01 mark for each study; provide complete list of clientele with addresses & contact numbers)	07	28	40
	Number of E&P EIA Studies conducted for Seismic & Drilling; Oil & Gas Processing Plants since 2015; (Minimum requirement is 07 studies, 03 marks for each study; provide complete list of clientele with addresses & contact numbers)	21		
Qualification, competence and experience of Experts	Petroleum and Chemical Engineers (Minimum requirement is 01 Professional)	3.5	21	30
	Wildlife Experts (Minimum requirement is 01 Professional)	3.5		
	Socio-Economists (Minimum requirement is 01 Professional)	3.5		
	Chemists/ Environmental Analysts (Minimum requirement is 01 Professional)	3.5		
	Hydrologists (Minimum requirement is 01 Professional)	3.5		
	Biologists (Minimum requirement is 01 Professional)	3.5		
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]	10.5		15
Registrations	Registration/ Enrolment/ Enlistment with any Federal/ Provincial EPA Valid Registration = 15 marks Applied for registration/ enrolment/ enlistment = 10.5 (provide valid evidence, duly attested)	10.5		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 IEE/ 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 Single Envelope Basis'

### **AMOUNT OF BID BOND:**

**Bid Bond /Bid Security amounting PKR: 60,000/- (Pak Rupees Sixty Thousand) against each quoted study (i.e. total PKR: 240,000 for all four studies)** 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](http://www.ogdcl.com)) is an integral part of this TOR alongwith clarification uploaded via following link:

<https://ogdcl.com/sites/default/files/tender%20download/CLARIFICATION%20-%20ONLINE%20TRANSFER%20OF%20FUNDS%20TO%20OGDCL.pdf>

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