



**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD**  
**SCHEDULE OF REQUIREMENT**

Material : **MEMBRANE ELEMENTS FOR DEMIN PLANT AT UCH-II**

**Due Date:**

Tender Enquiry No: **PROC-LB/PT-17628/19**

Bid Bond Value : PKR:60,000/-

EVALUATION WILL BE CARRIED OUT ON FULL

Attachment(if any) : YES

Sr No	Description	Quantity	Make/Brand offered	Unit	Unit Price (PKR) Inclusive Of All Taxes Except GST	Unit Price (PKR) Inclusive of GST	Total Price (PKR) Inclusive of GST	Delivery Period Offered	deviation from Tender Spec. If Any
1	Membrane Elements (40" Length) for Demin unit at Uch-II Plant, KOCH TFC 8040-HR-400-34 or equivalent	30		Number					

**Special Note:** The prospective bidders also download the master set of Tender Document

- The prospective bidders may keep in touch with OGDCL web site for downloading the clarifications/amendments (if any) issued by OGDCL.
- (1) DELIVERY LOCATION: UCH GAS PLANT. (2) DELIVERY PERIOD: WITHIN 90 DAYS AFTER ISSUANCE OF LPO. (3) PAYMENT: 100 AFTER DELIVERY

Discount (if any) shall only be entertained on Schedule of Requirement of Bidding Document (Financial Proposal). If the discount is mentioned elsewhere in the bid, the same shall not be entertained.



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**Mandatory Checklist**

Please confirm the compliance of the following mandatory information along with the bid(s) (failing which bids(s) will not be accepted)

Documents	To be Attached with the Technical/Financial Bids	Compliance	
		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Original Bid Bond	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of NTN Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of GST Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Confirmation that the Firm is appearing on FBR's Active Taxpayer List	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-A (Un-priced)</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-B</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-D</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-L</b> on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-M</b> on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-N</b> on Non-Judicial Stamp Paper duly attested by Notary Public	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-A (Priced)</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-C</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-E</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>



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For the Vendors/Contractors who opt to submit Bank Draft/Call Deposit/Pay order against Bid Bond/Performance Bond, our Accounts Department has finalized an arrangement for online payment to such Vendors/Contractors, which will be processed through (IBFT & LFT) for which following information is required:

i.	IBAN No. (International Bank Account Number 24 Digits)	
ii.	Vendor Name as per Title of their Bank Account	
iii.	Contact No.of Company's CEO/ Owner (Mobile & Landline)	
iv.	Bank Name.	
v.	Bank Branch Name and Code	

Name, Sign and Stamp of the authorized official of the Bidder(s) \_\_\_\_\_

**Membrane Elements for Demin Water at UCH II Plant**

OGDCL invite bids for the supply of 40" length of Membrane elements for the production of demineralized water at our UCH-II gas processing plant in accordance with the terms & conditions specified in the tender documents.

**1. Technical Specifications**

The offered Membrane Elements shall follows below listed minimum specifications. Bidder should invariably mention the exact physical and chemical properties of their quoted product. Only to write conforming to or OK will not be acceptable.

S.No.	Parameters	Requirement
1	Typical Operating Pressure	150-250 psi(1035-1725 kPa)
2	Maximum Operating Pressure	600 psi(4140 kPa)
3	Maximum Operating Temperature	113 °F ( 45 °C)
4	Maximum Cleaning Temperature	113 oF (45 oC)
5	Maximum Continuous Free Chlorine	< 0.1 mg/l
6	Allowable PH-Continuous Operation	4-11
7	Allowable PH-Short Term Cleaning	2.5-11
8	Maximum Differential Pressure per 40"40 Long Element	10Psi (69 KPa)
9	Maximum Differential Pressure per vessel	60Psi (414 KPa)
10	Maximum Free Turbidity	1 NTU
11	Maximum Free SDI (15 minute test)	5

**2. Basis for the selection of Membrane elements**

Membrane supplier shall offer the product based on guaranteeing the permeate Produced water specifications as per following data:

**2.1. Raw Water Composition**

Parameter	Value
Total Hardness (mg/l)	58-70
Turbidity NTU	5.0
Conductivity (uS/cm`)	300-350
Calcium Hardness (mg/l)	38-45
Magnesium Hardness (mg/l)	20-25
Total Dissolved Solids (mg/l)	140-160
Total Suspended Solids (mg/l)	4.0
Chloride (mg/l)	21-30

Sulfate (mg/l)	36
Iron (mg/l)	0.03
Total Silica (mg/l)	1.45
Total Alkalinity (mg/l)	86-110
PH	7.78-8.70

## 2.2. Permeate Water Quality

Parameter	Value
Total Hardness (mg/l)	Nil
Turbidity NTU	Nil
Conductivity (uS/cm)	< 10
Calcium Hardness (mg/l)	Nil
Magnesium Hardness (mg/l)	Nil
Total Dissolved Solids (mg/l)	5.0
Total Suspended Solids (mg/l)	Nil
Chloride (mg/l)	Nil
Sulfate (mg/l)	Nil
Iron (mg/l)	Nil
Total Silica (mg/l)	Nil
Total Alkalinity (mg/l)	Nil
PH	6.5-7.5

## 3. Necessary Data

### 3.1 Bid Summary Sheet

S. No.	Description	Provided
01	A Name of Local agent	
	B Name of authorized signatory of local agent	
	C Complete address, phone, fax numbers and email of local agent	
02	A Name of manufacturer	
	B Name of authorized signatory of manufacturer	
	C Complete address, phone, fax numbers and email of the manufacturer	
	D Website of manufacturer	
04	Brand Name of Product	
05	Country of origin/manufacturing facility	
06	Port of shipment	
07	Minimum shelf life of product not less than 3 years	

### 3.2 Clients / Sales Achievement in Pakistan

Bidder has to furnish two letter of recommendation/performance comments of the client/user from any reputed petrochemical company one preferably from Pakistan while

the Bidder who supplied the same chemical to OGDCL through bidding procedure and subsequently having satisfactory performance is not required to submit letter of recommendation while attach the copy of PO with quantity supplied.

S.No	Name of client with address and phone Nos.	Contract/Purchase order No. with date	Quantity Supplied

### 3.3 Necessary Attachments with Bid

S.No	Description	Attached / Provided or Not
01	Complete product data memorandum, application notes and specifications as per Claus-1.	
02	Complete literature with details for shipment, storage and usage at the plant.	
03	MSDS in original printed by manufacturer.	
04	Original authority letter issued by the manufacturer to local agent for quoting their product	
05	Client list in Pakistan as per above format.	
06	Valid ISO-9001 & 14001 certificates of manufacturer	
07	Fresh Lab analysis report(s) of the quoted product from an internationally reputed / recognized 3rd party lab.	
08	Two letters of recommendation / performance (if quoted product not supplied to OGDCL previously)	
09	Guarantee at its manufacturer letter head that offered membrane elements supplied shall fulfill the process requirements as indicated in Section {2.2.}	

### 4. Packing

Material will be supplied in international standard (pelletized packing) as per manufacturer original packing should be clearly marked;

- (a) Name of product
- (b) Name of manufacturer
- (c) Dates of manufacturing and expiry
- (d) P.O or contract number
- (e) Lot No. \_\_\_\_\_ / batch No. \_\_\_\_\_

*Please*  


## **5. Delivery Period**

5.1 Material should be delivered within 90 days after confirmed LPO.

## **6. Instructions to the Bidder / Terms & Conditions**

- 6.1 The manufacturer of the product must have minimum 05 years' experience of manufacturing and supplying of Membrane elements to petrochemical industry duly supported by valid ISO certificate for manufacturing / production of offered Product.
- 6.2 All documents listed at Claus 3.3 must be attached with the technical bid.
- 6.3 Bidder should be submitted two sets of technical bids (01 originals and 01 copy).
- 6.4 Bidder shall provide complete details with their technical bid for the shipping, storage, handling and usage of chemical.
- 6.5 If bidder did not supply quoted product to OGDCL previously, they will have to submit two performance / recommendation letters from their clients (at least one from Pakistan) to whom they supplied at least 10 number of quoted product during last 10 years.
- 6.6 Material must have to be lift back by the vendor if found not as per technical specifications of this particular tender enquiry even after its receipts at the OGDCL base store and shall have to replace with the material conforming to technical specifications within 90 days, with no additional cost to OGDCL.
- 6.7 Vendor shall guarantee at its letter head that offered membrane elements supplied shall fulfill the process requirements as indicated in Section 2.2. Vendor shall be liable to identify/provide the details of requirements for any equipment/process modification which may be required to meet the requirement provided in Section 2.2.