

**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT, ISLAMABAD**  
**FOREIGN SECTION A**

(To be completed, filled in, signed  
and stamped by the principal)

**ANNEXURE 'A'**

**Material** CARBON MOLECULAR SIEVE  
**Tender Enquiry No** PROC-FA/CB/P&P-5138/2021  
**Due Date**  
**Evaluation Criteria** FULL

**SCHEDULE OF REQUIREMENT**

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	CARBON MOLECULAR SIEVE DESICCANT FOR NITROGEN PACAKAGE AT NASHPA PLANT,SPECIFICATION AS PER ATTACHMENT	Kilo Grams	3000					

Note:

1. **Bid Bond Amount:** US \$ 2000/- ( United State Dollar Two Thousand only ) or equivalent Pak Rupees valid up to 210 Days from the date of technical bid opening
2. **Mode of Bidding:** Single stage two Envelope basis.
3. **Evaluation Criteria:** - Full Consignment wise C&F By Sea
4. **Delivery Period:** 90 days from establishment of LC
5. **Bid Validity:** 180 Days
6. Bidders are advised to carefully read all the terms and conditions of the MASTER SET OF FOREIGN TENDER DOCUMENT (PRESS-SINGLE STAGE TWO ENVELOP) available on OGDCL website which is an integral part of this Schedule of Requirement.

**Carbon Molecular Sieve**

OGDCL invites bids for the supply of 3000 Kg of Carbon Molecular Sieve of on C& F basis in accordance with terms and conditions specified in the tender documents.

**1. Scope of Work**

The following scope of supply shall be applicable for supply of above material:

- 1.1 Supply of Carbon Molecular Sieve Adsorbent for Nitrogen Package at Nashpa plant used for separation of Nitrogen from air.
  - 1.2 Bidder will have to confirm and submit a firm declaration on original manufacturer letterhead regarding below point.
    - Vender shall guarantee that their offered product fulfills the process requirement of Nitrogen package installed at Nashpa plant and produce Nitrogen upto 99% pure from air and diffuse oxygen from air till 5000 PPM.
  - 1.3 Provide operating guidelines, technical literature and requirement for the proper usage of supplied products.
  - 1.4 Technical support services throughout the usage of supplied Carbon Molecular sieve as per Clause 7 on as and when requirement basis.
- 2. Basis for Selection of Selective Molecular sieve**

**2.1 Chemical Specifications**

Specification		
Carbon Molecular Sieves		
1	Bulk Density	640-680 g/L
2	Diameter	1.8-2.0 mm
3	Crushing Strength	100 N/P Min
4	Dust Level	100 ppm
5	Switch Cycle	60 Sec
6	Recovery Nitrogen/Air [%]	37 min
7	Recovery Nitrogen/Air [NM3/hr.ton]	190 min
8	Ball Pen Hardness	>95 %

**3. Necessary Data/ Attachments with Bid**

**Clients / Sales Achievement in Pakistan (for same application)** Bidder has to furnish two letter of recommendation/performance comments of the client/user from any reputed petrochemical company whom they have supplied not less than 1,000 Kg of Carbon Molecular Sieve Adsorbent and one letter is mandatory from Pakistan Oil and Gas Industry 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

### 3.1 Bid / Technical Attachments

S.No	Description
01	Original authority letter issued by the manufacturer to bidder and local agent for quoting their product
02	Complete product data memorandum, specifications, application notes, storage, and handling.
03	MSDS and valid ISO-9001 & ISO-14001 certificates of manufacturer
04	Fresh 3 <sup>rd</sup> party lab analysis report
05	Client list in Pakistan as per format given at Clause-3.0
06	Two letters of recommendation / performance (if quoted Carbon Molecular sieve not supplied to OGDCL previously)

### 3.2 Bid Summary Sheet

Bid summary sheet should be mentioned at least following information/data.

S. No.	Description
01	A Name of Bidder
	B Name of authorized signatory of bidder
	C Complete address, phone, fax numbers, web site and email of bidder
02	A Name of Local agent in Pakistan for technical support
	B Complete address, phone, fax numbers, web site and email of local agent
03	A Name of manufacturer
	B Complete address, phone, fax numbers, email and website of manufacturer
04	Brand Name of Product
05	Country of origin/manufacturing facility
06	Place of shipment
07	Shelf life of product
08	Service life of products
09	Offered delivery period



#### 4 Packing

- 4.1 Chemical will be supplied in brand new hermetically sealed steel drums of or as per manufacturer's specifications. Packing should be of international standard (pelletized packing)
- 4.2 Each drum should be clearly marked with contract no., chemical name, and name of manufacturer, net & gross weights, lot/batch No. and expiry date.

#### 5 Delivery Period

Carbon Molecular sieve should be delivered in minimum possible time not more than 90 days after LC opening.

#### 6 Specific Conditions and Vendor/bidder Liabilities

The company (OGDCL) invites bids from bidders for the supply of Carbon Molecular sieves in accordance with the terms and conditions listed below:

- 6.1 Only genuine manufacturers will be considered for technical evaluation having manufacturing experience at least 5 years duly supported by valid ISO certificates for manufacturing / production of offered Carbon Molecular sieve. Trade houses and stockiest will not be treated as manufacturers.
- 6.2 Bidder should be submitted two sets of technical bids (01 originals and 01 copy). All documents listed at Clause 3 must also be attached with bid.
- 6.3 Bidder should provide complete details with their technical bid for the packing/shipping, storage, handling & usage of their quoted products.
- 6.4 Service life of the Carbon molecular sieve adsorbent shall be at least 3 years.
- 6.5 If bidder did not supply quoted Products to OGDCL previously, they will have to submit two performance / recommendation letters from their clients (at least one from Pakistan) to whom they supplied their Carbon molecular sieve product of similar type not less than 1000 Kg in Pakistan during last 10 years.
- 6.6 Bidder must have a local set-up and local experts for technical and after sale services in Pakistan or atleast middle UAE. Detail C.V. of local technical expert(s) must also be attached with bid.
- 6.7 Bidder shall provide complete details with their technical bid for the packing/shipping, storage, handling & usage of their quoted products.
- 6.8 Vender must submit and provide/identify the details of requirement for any equipment/process modification which may be required to meet as per attached requirements.
- 6.9 Specifications of quoted products must be mentioned clearly, word accepted or complied as remarks will not be sufficient. Shelf life of quoted product should not less than 04 years.
- 6.10 If OGDCL will carry out 3rd party pre-shipment inspection at its own cost from approved firms. The TPI firm will submit report directly to OGDCL and consignment will only be shipped after acceptance/endorsement of TPI report(s) by OGDCL.
- 6.11 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.

6.12 Properly sealed half Kg of sample of each quoted product must be submitted with the technical bid. OGDCL may analyze the sample from any third party reputed for confirmation of quoted product specs.

## 7 Technical Services

7.1 Local agent will be responsible to arrange their technical expert visit free of charge to OGDCL Nashpa Plant for troubleshooting throughout the usage of their supplied product on as and when required basis (not more than three visits/year).

7.2 Acceptance of following perpetual technical support.

- i. Telephonic / email conversations, no limits
- ii. Update of new product/development

*Handwritten signature and date: 09-2021*