

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

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

**ANNEXURE 'A'**

**Material** INSTRUMENT AIR COMPRESSOR ALONG WITH DRYER PACKAGE.  
**Tender Enquiry No** PROC-FC/CB/P&P/DKN-4682/2020  
**Due Date**  
**Evaluation Criteria** MAIN ITEM

**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	SUPPLY OF INSTRUMENT AIR COMPRESSOR WITH DRYER (COMPLETE PACKAGE) WITH COMMISSIONING SPARES FOR DAKHNI GAS PROCESS PLANT AS PER ATTACHED TOR	Number	1					
2	INSTALLATION ASSISTANCE AND COMMISSIONING (LUMP SUM) AS PER ATTACHED TOR	Number	1					
3	DESICCANT 2nd CHARGE	Number	1					
4	COOLANT FOR SIX MONTHS REQUIREMENT	Number	1					
5	02 YEAR SPARES FOR THE PACKAGE (ITEM WISE LIST WITH UNIT COST TO BE PROVIDED)	Number	1					

- Note:**
- 1) BID BOND AMOUNT TO USD 1,300/- OR EQUIVALENT TO PAK RUPEES
  - 2) **TOR:** ATTACHED TOR IS INTEGRAL PART OF SOR.
  - 3) **EVALUATION CRITERIA:** AS DEFINED IN TOR.

## **PROCUREMENT OF NEW INSTRUMENT AIR COMPRESSOR ALONG WITH DRYER PACKAGE FOR DAKHNI GAS PROCESSING PLANT**

OGDCL intends to procure the instrument air compressor along with dryer package for supply of instrument air to Dakhni Plant. Dakhni plant was commissioned in 1989, since producing the Crude oil and natural gas for national grid. Dakhni Plant is installed in Tehsil Jand District Attock Pakistan. Minimum but not limited specifications has been given below:-

### **SPECIFICATIONS**

#### **Compressor Details:**

Compressor Type: Screw Type  
Minimum Compressor Capacity = 500SCFM.  
Operating Pressure= 150psi.  
Noise Level Maximum= 70 ±3 dB (A) low sound enclosure (per ISO 2151; 2004)  
Package pre-filtration  
Air or Water-Cooled after cooler  
First fill of coolant  
Single Skid Package

#### **Motor Details**


Motor Power = Vender to Specify  
Power Supply = 380V/50Hz/3Ph  
Insulation Class = F  
Fan Motor 380V/50Hz/3Ph  
Explosion Proof Motor = II 3G EEx nA II T3 IP56, Insulation Class F  
Motor Starter Panel, (outdoor type), complete in all respects.  
Explosion proof II2GEEEx IIB T6, IP65

#### **Dryer Details**

Dryer shall be based on the dryer's ability to deliver the required minimum-pressure dew point for the defined system flow, pressure and range of ambient temperature and relative humidity must be defined in the data sheet. It should also take into consideration the life cycle cost, efficiency, reliability and maintainability of the dryer.

Dryer capacity = 500SCFM @ 145psi  
Dryer type = Heatless  
Inlet (High Efficiency) and outlet (General Purpose) filters supplied with all dryers.  
Operating Limitations:  
Ambient: Min 1°C / Max 52°C  
Air inlet temperature: Max 52°C  
Dew Point: -40 C Min/ 52 C Max


Each dryer package shall consist of the following, as a minimum:

  
M. ANAM WAZIR  
M. Engg. (Mech) P&P No  
01-04

1. twin desiccant vessels;
2. Pre-filters and Post-filters;
3. Interconnecting piping and valves including switch-over valves, relief valve, drain and vent;
4. Necessary control and instrumentation with field instruments, local control panel and skid edge junction box;
5. Dew point sensor with indicator and transmitter;
6. Structural steel base frame with lifting lugs;
7. First fill of desiccant (Activated Alumina);
8. Noise attenuation equipment including purge air outlet silencer;
9. Regeneration heater with on-off temperature control, if applicable;
10. Regeneration cooler with automatic drain trap, if applicable;
11. Insulation and heat tracing with heat tracing junction box;

### **Eligibility Criteria/ Term and Conditions:-**

1. Bidder should strictly adhere to the specifications mentioned in the Schedule of requirement.
2. The manufacturer of instrument air compressor must have 25 years on hand experience of design and manufacturing of instrument air compressors.
3. Authorization letter from manufacturer to the packager to participate and assemble the package must be provided along with the technical bid.
4. Packager of instrument air compressor and dryer must have experience of 15 years for supply of similar packages. **(05# previous purchase order of supply of similar brand must be the part of technical bid for reference.)**
5. The package shall be self-contained, with all components on a common structural steel skid or baseplate.
6. The arrangement of equipment, piping and valves shall provide adequate operational clearance and maintenance access, including safe manual handling.
7. Bidder should provide the data sheet of Instrument air compressor, air dryer package, PLC Vessels, pre filters, post filters, desiccant, instrumentations.
8. Bidder to provide the preliminary P&ID of complete Package with the technical bid.
9. Bidder should provide any interconnecting piping for instrument air package and dryer package. Foundation preparation in OGDCL scope. Foundation details will be in bidder scope.
10. PLC must be installed on the skid in explosion proof enclosure and provide the provision for DCS communication.
11. **Desiccant shall be activated alumina.**

  
M. JAVED KHAN  
Sr. Engr. (Mech) OGDCL  
2015-16

12. Commissioning of complete package is in bidder scope on lump sum basis. Establishment of communication with Dakhni DCS and commissioning is in bidder scope.
13. Certificate should be submitted that the installed package is brand new and their model and spares will not obsolete in next 10 years.
14. Bidder to confirm Guarantee / warrantee of complete package for a period of 01 year after commissioning or 18 months after shipment, whichever comes earlier.
15. Execution Plan of Project should be submitted along the technical bid.
16. Delivery period must not exceed 06 months after issuance of LC.
17. Bid should be submitted on C&F Karachi basis.
18. Vendor shall provide installation, operating and maintenance manual including sufficient written instructions and also necessary drawings, documents, parts list to facilitate purchaser install, operate, and maintain all of the equipment covered by the purchaser order.
19. The installation, operation and maintenance manual shall be prepared for the equipment covered by the purchase order and typical manuals are not acceptable.
20. Bidders should have 10 year experience of supply of similar packages, submit their company profiles, experience of similar supplies (Previous Purchase Orders) in Pakistan along with technical bids.
21. In case of Foreign experts for installation and commissioning assistance security clearance pick and drop Islamabad top Dakhni, any Hotel stay in Pakistan will be in the bidder scope. However boarding and lodging at OGDCL Site may be provided.
22. **Payment Terms:**  
As per standard OGDCL term and conditions.
23. **Delivery time:** 06 months (180 Days) from the date of LC establishment.

**Financial Evaluation Criteria**

Sr No	Description	Price in USD
1.	SUPPLY OF INSTRUMENT AIR COMPRESSOR WITH DRYER (COMPLETE PACKAGE) WITH COMMISSIONING SPARES FOR DAKHNI GAS PROCESS PLANT	
2.	INSTALLATION ASSISTANCE AND COMMISSIONING (LUMP SUM)	

*Handwritten signature and stamp:*  
 OGDCL  
 Islamabad  
 03-04

