

**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-A/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 INSTRUMENT AIR COMPRESSOR ALONG WITH DRYER PACKAGE FOR DAKHNI GAS PROCESSING PLANT**

OGDCL intends to procure 01 No instrument air compressor along with dryer package for supply of instrument air for operational requirement of Dakhni Plant continuously. Dakhni Plant is situated in Tehsil Jand District Attock, Pakistan.

### **SPECIFICATIONS**

#### **Compressor Details:**

Compressor Type: Screw Type (Oil Flooded) Stages: Vender to Specify (VTS)  
Minimum Compressor Capacity = 500 SCFM.  
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, Spare set of filters  
Single Skid Mounted Package  
On-skid Control Panel with HMI should be IP65 Ex 'p' (Pressurized enclosure) with purged system suitable for installation in Zone 1 Class 1 Div 2 Group B, C, D.

#### **Compressor 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 or IP 56 both acceptable)

### **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 = 500 SCFM @ 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 but not limited:

1. twin desiccant vessels;
2. Pre-filters and Post-filters;
3. Interconnecting piping and valves including switch-over valves, relief valve, drain and vent and auto drain valves;
4. Necessary controls and instrumentation with field instruments, local control panel and skid edge junction box.
5. On-skid Control Panel with HMI should be IP65 Ex 'p' (Pressurized enclosure) with purged system suitable for installation in Zone 1 Class 1 Div 2 Group B, C, D
6. Dew point sensor with indicator and transmitter;
7. Structural steel base frame with lifting lugs;
8. First fill of desiccant (Activated Alumina);
9. Noise attenuation equipment including purge air outlet silencer;
10. 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 20 years on hand experience of design and manufacturing of instrument air compressors.
3. Packager/manufacturer of instrument air compressor and dryer must have experience of 15 years for Design, supply of similar packages. (previous purchase order of supply of similar brand must be the part of technical bid for reference.)
4. The package shall be self-contained, with all components on a common structural steel skid or baseplate.
5. The arrangement of equipment, piping and valves shall provide adequate operational clearance and maintenance access, including safe manual handling.
6. Bidder should provide the detailed data sheets of Instrument air compressor, air dryer package, PLC, pre filters, post filters, desiccant, instrumentations with the technical bid.
7. Bidder to provide the preliminary P&ID of complete Package with the technical bid.
8. Isometric view/ isometric drawing of complete package must be the part of the technical bid otherwise bid will not accepted.
9. Bidder should provide any interconnecting piping for instrument air package and dryer package. Foundation preparation in OGDCL scope. Foundation details will be provided by the bidder.
10. Compressor and dryer control system to support communication with third party DCS. . PLC must be any renowned brand preferable Bentley Nevada, Allen Bradley or equivalent.
11. Desiccant shall be activated alumina.

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. Bidder to ensure that the quoted 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 06 months after issuance of LC.
17. 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.
18. The installation, operation and maintenance manual shall be prepared for the equipment covered by the purchase order and typical manuals are not acceptable.
19. 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.
20. **Delivery time:**
  - a. 06 months (180 Days) from the date of LC establishment.
  - b. 01 months Installation and Commissioning period after delivery.

**Financial Evaluation Criteria**

<b>Sr No</b>	<b>Description</b>	<b>Price in USD (C&amp;F by sea)</b>
i	SUPPLY OF INSTRUMENT AIR COMPRESSOR WITH DRYER (COMPLETE PACKAGE) WITH COMMISSIONING SPARES FOR DAKHNI GAS PROCESS PLANT	
ii	INSTALLATION ASSISTANCE AND COMMISSIONING (LUMP SUM)	
iii	DESICCANT (01 extra charge) in addition to filled in dryer	
iv	COOLANT FOR SIX MONTHS REQUIREMENT	
v	02 YEAR SPARES FOR THE PACKAGE (ITEM WISE LIST WITH UNIT COST TO BE PROVIDED)	

**Note: Financial evaluation will be against Sr# i & ii only**