

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

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

ANNEXURE 'A'

Material LPG MASS FLOW METER FOR NASHPA
Tender Enquiry No PROC-FE/CB/P&P-4427/2019
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	LPG Mass Flow Meter, 3", SS 300# RF Mass Flow Meter alongwith Transmitter for LPG, Configuration:Remote/Field mount Alu JB, Calibration:Standard 3 point mass flow calibration. Mass/ Volume flow accuracy:+/- 0.05%. FOR DETAILS SEE ATTACHMENT	Number	1					

Note:

1. **Bid bond**; - Pursuant to tender clause # 2.2, 11.4, 13 & 35.3.2, bid bond amounting to US\$ 1,200/- (USD One Thousand and Two Hundred only) or equivalent in Pak Rupees should be submitted with the technical bid.
2. **Bid Bonds & Performance Bank Guarantees**: List of Banks for Bid Bonds & Performance Bank Guarantees is available in Foreign Tender Document on OGDCL website. Bid Bonds & Performance Bank Guarantees submitted from other than the mentioned Banks are not acceptable.
3. **Foreign Procurement Payment Terms** also available at OGDCL website (Tender Tab)

Tender value less than or equal to US\$ 200,000:
Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 70 % Payment (s) under the L/C will be made for the CFR / CPT, price of material of each shipment upon submission of the shipping documents. Balance 30% Payment will be released after receipt, inspection and acceptance of material.
4. **Evaluation Criteria**: FULL CONSIGNMENT WISE ON C&F BY SEA KARACHI BASIS.
5. **Shipment from ACU member Countries**: In case of shipment from ACU member countries, the LC beneficiary should be of that particular country from where the consignment is being shipped.
6. **Terms and conditions**:-Bidders are advised to carefully read all the terms and conditions of the Tender Document available at OGDCL website in the master tender document.
7. **Delivery Period**: 180 Days

DETAILS OF LPG MASS FLOW METER

3", SS300# RF Mass Flow Meter alongwith Transmitter for LPG
Tube Material: 316 / 316 L Dual certified Stainless Steel
Surface Finish: Standard
Connection Size Flange: 3" ASME 300 lb
Sealing Face: Stand
Configuration: Remote / Field mount Alu Junction Box
Calibration: Standard 3 point mass flow calibration
Approval: ATEX Ex ia (T1-T6)
Mass / Volume Flow Accuracy: +/- 0.05%
Mass / Volume Flow Repeatability: +/- 0.05%
Temperature Accuracy: +/- 0.5 to 1 Deg C
Pressure Drop: 1.166 PSI
Specific Gravity: 0.520 - 0.545
Purge Fittings: 1/2" NPT-F
Protection Class: IP67

CONVERTER (Remote Field Mounted):-

Power Supply: 12 ~ 36 VDC
Cable Connection: 2 metal M20 cable glands and 1 ATEX
Ex d blanking plug (brass nickle plated)
Display: Multi-Line / Graphical Display
Output Base Module: 4 ~ 20mA Hart Enabled (CO-active+PO-active/high current)
Measuring Functions: Standard (Mass, Density, Temperature, Volume)
Approval: ATEX Ex Zone 1

PROCESS INFORMATION:-

Process Medium: LPG

	Min	Operating	Max	Units
Flowrate	-	300	400	Ton/Day
Process Pressure	185	300	350	psig
Fluid Temp	110	140	160	F
Amb. Temp	0~48			C
Density	519.486	519.486	519.486	kg/m3
Viscosity	0.084			cP

Terms and Conditions

1. Item must be in original OEM Packing.
2. Item must be new & free from any defect.
3. Item must have standard OEM warranty/guarantee.
4. Following Documents must be provided with delivery.
 - i- Layout, Installation and Hookup Drawings.
 - ii- Wiring Diagrams

- iii- Operational & Maintenance manual having detailed drawings and spare part details.
- iv- MTC
- vi- Calibration Certificate

- 5. Delivery period is 180 days from date of issuance of L/C.
- 6. Country of Origin, Port of Shipment with complete address of Beneficiary and Manufacturer to be provided in Technical Bid.