

# 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					

## 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.