

**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** GAS DETECTION SYSTEM  
**Tender Enquiry No** PROC-FE/CB/PE&FD-5419/2022  
**Due Date**  
**Evaluation Criteria** FULL

**SCHEDULE OF REQUIREMENT**

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY AIR	Total Price C & F BY AIR	Deviated From Tender Spec. If Any
1	H2S GAS DETECTOR FOR GAS DETECTION SYSTEM AT WELL HEAD OF DAKHNI WELLS. DETAIL SPECIFICATIONS ARE ATTACHED AT ANNEXURE-Z.	Number	4					
2	METHANE GAS DETECTOR FOR GAS DETECTION SYSTEM AT WELL HEAD OF DAKHNI WELLS. DETAIL SPECIFICATIONS ARE ATTACHED AT ANNEXURE-Z.	Number	4					
3	CONTROLLER FOR GAS DETECTION SYSTEM AT WELL HEAD OF DAKHNI WELLS. DETAIL SPECIFICATIONS ARE ATTACHED AT ANNEXURE-Z.	Number	4					
4	BULB REVOLVING WARMING LIGHT FOR GAS DETECTION SYSTEM AT WELL HEAD OF DAKHNI WELLS. DETAIL SPECIFICATIONS ARE ATTACHED AT ANNEXURE-Z.	Number	4					
5	CABLES AND ACCESSORIES FOR GAS DETECTION SYSTEM AT WELL HEAD OF DAKHNI WELLS. DETAIL SPECIFICATIONS ARE ATTACHED AT ANNEXURE-Z.	Number	4					

**Note:**

- 1. Bid Validity:** - Bid must be valid for 180 days from the date of Technical Bid Opening.
- 2. Bid bond:** - US\$ 800/- (United States Dollar Eight Hundred Only) or equivalent in Pak Rupees should be submitted with the Technical Bid, which should be valid for 210 days.
- 3. Evaluation Criteria:** FULL CONSIGNMENT WISE ON CPT BY AIR BASIS ISLAMABAD under Single Stage –Two Envelope Bidding Procedure.
- 4. 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 Set of Foreign Tender Document (Press-Single Stage Two Envelope)-Updated.
- 5. Delivery Period:** 03 months from the date of L/C establishment.
- 6.** No payment will be accepted in shape of traditional banking instruments like Pay Order, Bankers Cheque, and Demand Draft etc. However, there will be no change in acceptance of Bid Bond in shape of Bank Guarantees issued by the banks as per OGDCL Tender Document. Bidders are advised to ensure enclosure of documentary evidence of Transfer of Bid Bond amount into OGDCL Bank Account with their sealed technical bids at the time of bid submission. Failure to which shall result in rejection of their bid.

## Specifications for Fixed Gas Detection System at Well heads

Sr. No.	Item Description	Qty (Nos)
<b>Quoted items are for 04 Well Sites</b>		
1	<p><b><u>H2S Gas Detector</u></b></p> <p><b>Sensor Type:</b> Electro chemical  <b>Measuring Range:</b> 0 ~ 50 PPM            Typical Response Time: 20% ≤12 sec. /50% ≤ 30 sec.            Operating Temperature: -5 °C ~ +50 °C            Supply Voltage: 12 to 24 VDC            Output Signal: 4-20 mA &amp; RS 485 Modbus            Power Consumption: 5 watt Maximun            Terminals: 3 or 4 wire – up to 2.5 mm2            Modbus and HART Digital Communication and 2 Relay Option            Display: Alphanumeric LCD            Ingress Protection: IP66            Material: Housing Painted aluminum alloy Or 316 SS. Sensor: 316 SS            Cable Gland Thread: 3/4 NPT or M25 x 1.5 mm            Mounting: Pipe mounting kit for horizontal or vertical Pipe (1.5 to 3 Inch)            UL Approved, Class I, Div. 1, Group A, B, C, D /ATEX, IEC Ex d iiC</p>	4
2	<p><b><u>Methane Gas Detector</u></b></p> <p>Range: 0 ~ 100 % LEL            Typical Response Time: 20% ≤12 sec. /50% ≤ 30 sec.            Operating Temperature: -5 °C ~ +50 °C            Supply Voltage: 12 to 24 VDC            Output Signal: 4-20 mA &amp; RS 485 Modbus            Power Consumption: 5 watt Maximun            Terminals: 3 or 4 wire – up to 2.5 mm2            Modbus and HART Digital Communication and 2 Relay Option            Display: Alphanumeric LCD            Ingress Protection: IP66            Material: Housing Painted aluminum alloy Or 316 SS. Sensor: 316 SS            Cable Gland Thread: 3/4 NPT or M25 x 1.5 mm            Mounting: Pipe mounting kit for horizontal or vertical Pipe (1.5 to 3 Inch)            UL Approved, Class I, Div. 1, Group A, B, C, D /ATEX, IEC Ex d iiC</p>	4

## Specifications for Fixed Gas Detection System at Well heads

Sr. No.	Item Description	Qty ( Nos )
3	<p><b><u>Controller</u></b></p> <p>Function: capable of getting input from Detectors &amp; activate Light &amp; Sounder as per detection.</p> <p>Communication: 2 &amp; 3 Wire 4-20mA inputs</p> <p>Output Relays: 3 Alarm Relays with user configurable options</p> <p>Compatible with quoted Gas Detectors</p> <p>IP rating: 3X</p> <p>Self diagnostic test.</p> <p>Power Supply: 24 VDC</p> <p>Approval: ATEX measuring function EN61779, CE</p> <p>Note: Controller shall be installed in a covered area (room).</p>	4
4	<p><b><u>Bulb revolving Warning Light &amp; Electric Horn Combination</u></b></p> <p>Supply Voltage: 12/24 VDC</p> <p>Revolving speed: 120+RPM</p> <p><b>Sounder: 110+db Sound</b></p> <p>Ambient Temperature: -5 deg.C to +50 deg. C</p> <p><b><u>Flash Warning Light: Red</u></b></p> <p>Lens : Polycarbonate Lens Material</p> <p>Protection Cage: the durable wire guard is made of corrosion resistant Stainless Steel 316 L that provide protection to the lens</p> <p>Housing: Aluminum</p> <p>Terminal Box : must be inside the housing</p> <p>Protection Rating: IP 66</p> <p>Sound Volume Adjustment</p>	4
5	<p><b><u>Vendor Recommended associated Cables &amp; accessories</u></b></p> <p><b>Note:</b> Distance between detectors and Controller shall be 100 Meter.</p>	4 Lots (1 for each Well)
6	<p><b><u>Services Charges</u></b></p> <p>Installation supervision and commissioning of complete system at 4 well-sites.</p>	1 (Job)

## 1.0 TERMS & CONDITIONS

- a) Bidder /Manufacturer must have a proven track manufacturing record / Sale record of Gas Detection System over a minimum period of Five (05) years.
- b) Bidder /Manufacturer shall provide warranties/guarantees regarding the performance of Gas Detection System according to the tender specifications.
- c) Bidder /Manufacturer shall be responsible to ensure the delivery of complete material within 03 Months after the establishment of L/C.
- d) Bidder /Manufacturer shall provide Certificate of Origin of all quoted items.
- e) Bidder /Manufacturer shall ensure that all material being used in the Gas Detection System shall be new and free of defects in any way.
- f) Bidder to quote price of Complete Gas Detection System and mention Commissioning cost separately in the financial bid.
- g) Non-compliance of any Tender Specification mentioned in Annexure-Z may lead to disqualification.