

**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: H2S GAS DETECTORS FOR UCH-I
Tender Enquiry No: PROC-FE/CB/PE&FD-5122/2021
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, SENSOR, FIXED TYPE, RANGE: 0-100PPM, DETAIL SPECIFICATION IS ATTACHED AT ANNEXURE-Z	Number	85					
2	CALIBRATION KITS, CALIBRATION GAS CYLINDERS (QTY=04) WITH REGULATOR, VALVE, TUBING, ADAPTOR CUP & CARRYING CASE. DETAIL SPECIFICATION IS ATTACHED AT ANNEXURE-Z	Number	2					

NOTE:

1. Bid Validity: Bid must be valid for 180 days from the date of Technical Bid Opening
2. Bid Bond Amount:
USD 3000/- (United States Dollar Three Thousand only) or equivalent Pak Rupees valid for 210 days from the date of Technical Bid Opening. Bidders are advised to carefully read all clauses related to Bid Bond in Tender Document (Press-Single Stage Two Envelope) available on OGDCL website
3. Evaluation Criteria: - Full Consignment CFR by Sea Karachi
4. Delivery Period: 03 Months from the LC establishment.
5. Un-priced list of 02 Years operational spares to be provided with the Technical bid and price to be quoted in the financial bid only.
6. Bidders are advised to carefully read all the terms and conditions of the Tender Document "Master Set of Foreign Tender Document (Press-Single Stage Two Envelope) available on OGDCL website which is an integral part of this Schedule of Requirement

Vetted

 FZMS Officer (Pr.L.)
 Estn. 4197



Annexure-Z

DETAILED SPECIFICATION SHEET
H2S Gas Detectors [Fixed Type] and Calibration Kit

General		
1	Gas Detection (Product)	H2S Gas Detection
2	Detection Range	0-100 PPM
3	Sensor Type	Electrochemical Cell
4	Display	Built-in local LCD Continuous display target gas concentration in PPM Flashing screen in alarm mode
5	Input Power Supply	20-30 VDC
6	Mounting	Wall/ frame mounting
7	Modes	Normal operation, set-points, calibration, set-up
8	User Input	builtin magnetic switch for selection of mode
9	Output	4-20 mA analog signal output, visible output LCD display
10	Wiring	3-Wire
11	Quantity Required	Eighty Five (85) with accessories, [if required for normal operation of equipment]
Environmental Specification		
12	Operating Temperature	-10 to 60°C
13	Pressure Range	Atmospheric \pm 20%
14	Operating Humidity	0-100%RH, non-condensing
15	Enclosure / Controller Housing	Explosion proof approved epoxy coated aluminium housing for Class 1, Division 1, Group A, B, C & D
16	Sensor Housing	Explosion proof approved stainless steel housing for Class 1, Division 1, Group A, B, C & D
17	Wiring Terminals	22 to 14 AWG
18	Conduit Entries	3/4" NPT
19	Performance Approval	FM, ATEX and IEC approved
20	Ingress Protection	IP66
Performance Specifications		
21	Response Time (T90)	Not more than 30 sec
22	Accuracy	\pm 6% of full scale
23	Alarms	2 alarm setpoints (user programmable high alarm and low alarm)
24	Calibration Guide	On screen calibration instructions
25	Diagnostics	Sensor diagnostic software for sensor replacement/ maintenance reminder
26	Guarantee/ Warranty	Yes [5 Years for Hardware & minimum 1 year for Sensor from date of installation or 18 months from date of shipment]
27	Shipment/ Delivery Period	Fully assembled and pre-calibrated shipment within 03 Months after establishment of L/C
Calibration Kit		
28	Calibration Gas Cylinders	Yes - (Qty: 4) as per manufacturer's recommended specifications, minimum 6 months shelf life
29	Calibration Kit [manufacturer's standard item]	Yes - (Qty: 2) Complete calibration and testing equipment including precision constant flow valve regulator, tubing, adaptor cup to introduce test gas into sensor complete with carrying case which also has room for storing disposable cylinder of test gas
Operational Spares		
30	2 Years operational spares	Yes [unpriced list to be provided with technical bid & priced list with unit price to be provided with financial bid] Not to be included in Financial evaluation
Documentation		
31	O & M Manuals	Yes
32	Bench mark testing reports	Yes
33	Factory Calibration Certificates	Yes
34	Certificate of Origin	Yes
35	Certificate of Conformity	Yes
36	Documentation	Startup/Configuration/O&M manual (hard & soft copy)
37	Required Manufacturing Experience	Minimum 10 years for same type of material

Refere attached Instructions for details

Instructions to Bidder/Supplier:

- i. Bidder/Manufacturer shall be responsible for the compliance of **SOR**
- ii. Bidder/Manufacturer shall be responsible for the compliance of Detailed Specification sheet placed at **Annexure-Z** for H2S Gas Detector and Calibration Kit.
- iii. Previous track record of the bidder / manufacturer and performance of equipment(s) will also be considered for technical evaluation.
- iv. Calibration Kit for calibration of H2S Detectors as mentioned in Specification sheet serial # 29&30 is required to quote separately and same will be the part of financial evaluation.
- v. Additional required 2 years operational spares as mentioned in Specification sheet are also required to be quoted separately with item wise price list which will not be included in financial evaluation but selection for order any accessories/spares will be on OGDCL decision. Mentioned full consignment wise Evaluation criteria in SOR is excluding of 2 years operational spares.
- vi. Bidder is required to quote complete unit along with all accessories if required for equipment's normal operation and these accessories should be included in financial evaluation. If bidder failed to quote such accessories /spares if required for normal operation of equipment, the highest price(s) quoted by any bidder will be considered for financial evaluation on his behalf.
- vii. Optional accessories not to be considered for financial evaluation.
- viii. Warranty period for each item must be clearly mentioned in bid and equipment(s) will be supplied with original Certificate of Calibration / Performance and certificate of Warranty Guarantee issued by OEM.
- ix. For item (Calibration Kit) at serial # 30 of Specification sheet, bidder should have to quote make/model and bidder will have to confirm its compatibility with quoted main equipment i.e. H2S Gas detector.
- x. Bidder/Manufacturer shall be responsible to ensure the delivery of material within **03 Months after establishment of L/C.**
- xi. Bidder/Manufacturer shall be responsible to ship fully assembled and pre calibrated equipment.
- xii. Incomplete / non provision of Make, Model and detailed specification of all quoted items may lead to disqualification.



Necessary Attachments/Documents:

1. Complete **Technical data, literature** and other relevant documents in Hard/ Soft Copies.
2. **Documentation/ Certificates** mentioned in specification/ Data sheet (Annexure-Z)
3. Valid ISO certificate for manufacturing of quoted product.
4. **Original OEM Authority letter** shall be required for supply/distribution of required H2S Gas Detectors.
5. Copy of at least 3 POs for same type of material to be provided with the bid.
6. Certificate of Calibration/performance & certificate of Warrantee Guarantee must be submitted at the time of delivery.

Handwritten signature