

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 INSTRUMENTATION MATERIAL AND EXPLOSION PROOF LIGHTS
Tender Enquiry No PROC-FE/CB/PROD-4379/2019
Due Date

Evaluation Criteria GROUP WISE

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
Group A								
1	CONNECTOR, 10,000 PSI, 1/2" NPT(M)X1/4" T, 3/16 SS FITTING.	Number	144					
2	CONNECTOR 316 SS FITTING, 10,000 PSI, 1/4" NPT (M)X3/8" T.	Number	72					
3	CONNECTOR 316 SS FITTING, 10,000 PSI, 1/4" NPT (M)X1/2" T.	Number	72					
4	CONNECTOR 316 SS FITTING, 10,000 PSI, 1/4" NPT (M)X3/4" T.	Number	72					
5	CONNECTOR 316 SS FITTING, 10,000 PSI, 1/4" NPT (M)X1/16" T.	Number	72					
6	CONNECTOR 316 SS FITTING, 10,000 PSI, 1" NPT (M)X1/4" T.	Number	36					
7	CONNECTOR 316 SS FITTING, 10,000 PSI, 1/16" NPT (M)	Number	24					
8	UNION 316 SS FITTING, 10,000 PSI, 1/16" TX1/16" T	Number	36					
9	UNION 316 SS FITTING, 10,000 PSI, 1/4" TX1/4" T	Number	144					
10	UNION 316 SS FITTING, 10,000 PSI, 3/8" TX3/8" T	Number	67					
11	UNION 316 SS FITTING, 10,000 PSI, 1/2" TX1/2" T	Number	12					
12	UNION 316 SS FITTING, 10,000 PSI, 3/4" TX3/4" T	Number	72					
13	UNION 316 SS FITTING, 10,000 PSI, 1/4" TX1/16" T	Number	36					
14	UNION 316 SS FITTING, 10,000 PSI, 1/4" TX3/8" T	Number	36					
15	UNION 316 SS FITTING, 10,000 PSI, 1/4" TX1/2" T	Number	29					
16	TEE 316 SS FITTING, 10,000 PSI, 1/4" TX1/4" T	Number	144					
17	TEE 316 SS FITTING, 10,000 PSI, 3/8" TX3/8" T	Number	72					
18	TEE 316 SS FITTING, 10,000 PSI, 1/4" NPT(M)TX1/4" NPT(M)X1/4" NPT(M)	Number	27					
19	TEE 316 SS FITTING, 10,000 PSI, 1/4" NPT(F)X1/4" NPT(F)X1/4" NPT(F)	Number	72					
20	TEE 316 SS FITTING, 10,000 PSI, 1/2" NPT(F)X1/2" NPT(F)X1/2" NPT(F)	Number	52					
21	ELBOW 316 SS FITTING, 10,000 PSI, 1/4" NPT(M)X1/4" T	Number	144					
22	ELBOW 316 SS FITTING, 10,000 PSI, 3/8" NPT(M)X1/4" T	Number	72					
23	ELBOW 316 SS FITTING, 10,000 PSI, 3/8" NPT(M)X3/8" T	Number	72					
24	ELBOW 316 SS FITTING, 10,000 PSI, 1/4" NPT(M)X1/2" T	Number	72					
25	SOCKET 316 SS FITTING, 10,000 PSI, 1/4" NPT(F)X1/4" NPT(F)	Number	144					
26	SOCKET 316 SS FITTING, 10,000 PSI, 3/8" NPT(F)X3/8" NPT(F)	Number	72					
27	SOCKET 316 SS FITTING, 10,000 PSI, 1/2" NPT(F)X1/2" NPT(F)	Number	72					
28	SOCKET 316 SS FITTING, 10,000 PSI, 1" NPT(F)X1" NPT(F)	Number	36					
29	REDUCER 316 SS FITTING, 10,000 PSI, 1" NPT(M)X1/4" NPT(M)	Number	36					
30	REDUCER 316 SS FITTING, 10,000 PSI, 1" NPT(M)X3/8" NPT(M)	Number	36					
31	REDUCER 316 SS FITTING, 10,000 PSI, 1" NPT(M)X1/2" NPT(M)	Number	36					

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Material INSTRUMENTATION MATERIAL AND EXPLOSION PROOF LIGHTS
Tender Enquiry No PROC-FB/CB/PROD-4379/2019
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Evaluation Criteria GROUP WISE

Group A			
32	NIPPLES 316 SS FITTING, 10,000 PSI, 1/4" NPT(M), X1/4" NPT(M)	Number	144
33	NIPPLES 316 SS FITTING, 10,000 PSI, 3/8" NPT(M), X3/8" NPT(M)	Number	72
34	NIPPLES 316 SS FITTING, 10,000 PSI, 1/2" NPT(M), X1/2" NPT(M)	Number	144
35	NIPPLES 316 SS FITTING, 10,000 PSI, 1" NPT(M), X1" NPT(M)	Number	36
36	BALL VALVES STAINLESS STEEL 316 SS, 1/2" NPT(F), X1/2" NPT(F), 10000 PSI	Number	72
37	BALL VALVES STAINLESS STEEL 316 SS, 1/2" NPT(F), X1/2" NPT(F), 6000 PSI	Number	72
38	THERMO-WELL 316 SS, 3/4" NPT(M), X1/2" NPT(F), LENGTH SIZE = 06"	Number	16
39	THERMO-WELL 316 SS, 1/2" NPT(M), X1/2" NPT(F), LENGTH SIZE = 04"	Number	18
40	HYDRAULIC PUMP, PNEUMATIC DRIVEN HYDRAULIC PUMP, 316 SS MATERIAL FOR WETTED PARTS, INPUT PNEUMATIC AIR SUPPLY, OUTPUT HYDRAULIC OIL, CERTIFICATION ATEX & NACE, MAX PRESSURE RATING 15,000 PSI	Number	6
41	HITO PILOT, CONSTRUCTION IN 316 SS WITH NACE COMPLIANT (DATA SHEET ATTACHED), TEMP RANGE -20 TO 250 DEG F, DESIGN PRESSURE 5000 PSI, ADJUSTABLE PRESSURE RANGE.	Number	6
Group B			
42	DIGITAL TEMPERATURE GAUGES RANGE=0-250Deg F, DETAIL SPECIFICATIONS ARE ATTACHED IN ANNEX-X.	Number	6
43	DIGITAL PRESSURE GAUGES, MAKE CRYSTAL/EQUIV, RANGE=0-5000 PSI, CONNECTION TYPE=1/2" NPT (M), DETAIL SPECIFICATIONS ARE ATTACHED IN ANNEX-Y.	Number	10
44	DIGITAL PRESSURE GAUGES, MAKE CRYSTAL/EQUIV, RANGE=0-10000 PSI, CONNECTION TYPE=1/2" NPT (M), DETAIL SPECIFICATIONS ARE ATTACHED IN ANNEX-Y.	Number	16
Group C			
45	EXPLOSION PROOF SODIUM SAFETY FLOOD LIGHTS 400 WATTS/DATA SHEET ATTACHED AT ANNEX Z), LIGHT WITH IGNITOR, QUICK START, ATEX COMPLIANT, ONE PIECE HOUSING AND LENS COLOUR, HEAVY DUTY HIGH TEMP SILICONE RUBBER GASKET IP66 & CLASSI, DIV2.	Number	70

Note:

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NOTE:

1. Bid bond: - Pursuant to tender clause # 2.2, 11.4, 13 & 35.3.2, bid bond as per following detail should be submitted with the technical bid:

Group A: USD 1,700/- (USD One Thousand Seven Hundred only) or equivalent in Pak Rupees

Group B: USD 850/- (USD Eight Hundred Fifty only) or equivalent in Pak Rupees

Group C: USD 500/- (USD Five Hundred only) or equivalent in Pak Rupees

2. Foreign Procurement Payment Terms (also available at OGDCL website (Tenders 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 FOB/ CFR / CPT (as the case may be) 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.

Tender value more than 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). 80 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 20% Payment will be released after receipt, inspection (in addition of pre-shipment inspection) and acceptance of material.

3. Evaluation Criteria: - GROUP WISE ON C&F by AIR ISLAMABAD BASIS. Bidder to quote UNIT PRICE and quantity of each recommended spare part in FINANCIAL BID ONLY for Group C. Unpriced list to be provided with Technical Bid. Spare parts shall not be part of evaluation.

4. 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.

5. 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 and attached technical Terms & Conditions.

6. Delivery Period: 02 months



DATA SHEET
Digital Temperature Gauge
Annexure - X

General

1	Description	Explosion Proof Digital Temperature Gauges (DTG) with RTD Sensor & Thermowell.
2	RTD Sensor	100 Ohm Platinum RTD
3	Ambient Temperature	upto (+) 55°C
4	Operating temperature range	0-250°F
5	Display	Yes
6	Accuracy	(+0.1% of reading or + 0.3°C)
7	Battery Power Model	Yes
8	Battery Type	Lithium Batteries
9	Enclosure	NEMA 4X (IP65) Housing
10	Probe Size	Vendor recommended as per pipeline size mentioned at Sr. # 14.
11	Probe material	316 Stainless Steel
12	Thermowell	316 Stainless Steel Thermowell
13	Approvals	ATEX / IECEx & Intrinsically safe
14	Connection Type	1/2" NPT(Male)
15	Quantity of Digital Temperature Gauges	05 Gauges for 4" Pipeline Size 01 Gauge for 6" Pipeline Size 06 Total Gauges.

Note: Maximum Pressure of the Pipeline is 1500 Psig of mixed flow(Gas, Oil & Water), where these DTG will be installed.


ABIDA PARVEEN
Senior Engineer (Telemetry)
Oil & Gas Development Co.Ltd.
Islamabad



DATA SHEET
Digital Pressure Gauge
Annexure - Y

General

1	Description	Explosion Proof Digital Pressure Gauges (DPG)
2	Ambient Temperature	upto (+) 50°C
3	Pressure range	As Per SOR
4	Process Temperature	70-170°F
5	Display	5 digits or better
6	Accuracy	(+0.1% of full Scale)
7	Battery Power Model	Yes
8	Battery Type	Lithium Batteries
9	Enclosure	NEMA 4X (IP65) Housing
10	Data Communication	Rs 232
11	Connection Type	1/2" NPT(Male)
12	Approvals	ATEX / IECEx & Intrinsically safe

Note: Maximum Pressure of the Pipeline is 1500 Psig of mixed flow(Gas, Oil & Water), where these DPG will be installed.


ABIDA PARVEEN
Senior Engineer (Telemetry)
Oil & Gas Development Co.Ltd.
Islamabad



DATA SHEET
EXPLOSION PROOF SAFETY FLOOD LIGHT

Annexure -

General

1	Application	Explosion Proof Safety Flood lights for large area lighting in Oil & Gas Fields.
2	Electrical Area Class	Class 1, Division 2, Group A, B, C & D
3	Ambient Temperature	upto (+) 55°C
4	Power Rating	400 Watts High Pressure Sodium Safety flood lights, 50 Hz frequency.

Features

5	Light Source	High pressure Sodium Lamp
6	Light source life	Minimum 28000 hours
7	Light output	Minimum 48000 lumens
8	Ballast	Integral Choke ballast for quick start & steady performance.
9	Ignitor	Explosion Proof Ignitor
10	Lens	Thermal shock & impact resistant. One piece lens cover.
11	Mounting	Pole mounting : builtin slip filter
12	Rated Voltage	AC 220 V 50Hz/ (200V-240V)
13	Design	Compound Parabolic, double segment
14	Degree of protection	IP65
15	Corrosion-Proof Grade:	WF2

Standard Material

16	Body Material	Copperfree marine-grade aluminum alloy
17	Lens	Tempered glass
18	Reflector	Bright highly polished aluminum
19	Gasket	High Temperature Silicone rubber, firmly seated
20	Socket	Heavy duty porcelain with heavy gauge brass shell.
21	bolts	Stainless steel bolt

Certification

22	Explosion-proof	Ex d IIB T3 certificate
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Accessories

23	Mounting brackets	Yes
24	Spares	Vendor recommended (Note:- Cost of Spares shall not be the part of financial evaluation.)


ABIDA PARVEEN
Senior Engineer (Telecom-9)
Oil & Gas Development Co. Ltd.
Islamabad

High Low (Hi-Lo) Pilots

Application:-

HI-LO pilots shall be used in connection with Wellhead control panels to shut-down well in case of high or low pressures of flowline.

Type: block and bleed

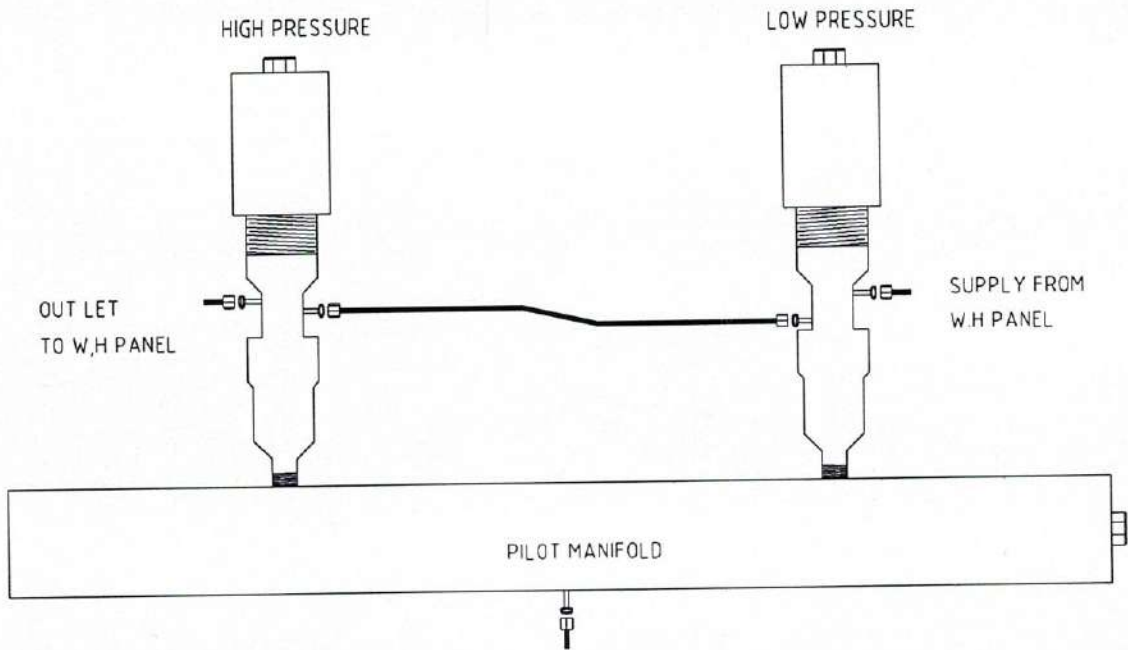
Description:-

The two pilots shall be mounted on a manifold block, to sense a common pressure (pipeline pressure). One is set to monitor low pressure & other high pressure. Under normal conditions these pilot valves shall direct the control pneumatic pressure to the interface valve of wellhead control panel to allow continuous well flow. If either a high or low limit is reached, the respective pilot blocks the inlet side and bleeds the control pressure, thus cut-off the pneumatic supply to shut-down the well. Specs are as follows:-

Construction	316 SS with NACE Compliant
Temperature Range	- 20 to + 250 deg. F
Design Pressure (manifold assembly)	5,000 psi
Operating Pressure Range	200 - 2500 psi
Pressure Range of Lo Pilot	100 – 1000 psi Adjustable
Pressure Range of Hi Pilot	1500 – 3000 psi Adjustable
Set Point Repeatability	± 1% of Set pressure

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HIGH LOW PRESSURE PILOT ASSEMBLY



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