

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 TEST EQUIPMENTS FOR INSTRUMENT SECTION OF NASHPA PLANT
Tender Enquiry No PROC-FE/CB/P&P-4446/2019
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	Portable Pressure/Vacuum Pneumatic Calibrator, Pressure range of electrical pump: -0.85 to +20 bar (-12 to 290 PSI) Measuring range:-1 to +20 Bar gauge, Display in 10 Units, Model:CPH7650, Make:WIKA Germany or Equivalent (see attachments)	Number	1					
2	Precision Digital Pressure Gauge, Explosion Proof, Measuring range: 0 to 1500 psig, Proc. conns.:1/2" NPT M, Wetted parts:SS, Elgiloy Sensor, along with calibration certificate Model:CPG1500 Make:WIKA Germany or Equivalent (see attachments)	Number	1					
3	Precision Digital Pressure Gauge, Explosion Proof, Measuring range:0 to 3000 psig, Procs. conns.:1/2" NPT M, Wetted parts:SS, Elgiloy Sensor, with calibration certificates Model:CPG1500, Make:WIKA Germany or Equivalent (see attachments)	Number	1					
4	Hydraulic Test Kit complete with Precision Digital Pressure Gauge, with Hydraulic Hand Pump. Model:Fluke-700HTPK with Digital Pressure Gauge Model:Fluke700-G29 Make:Fluke or Equivalent (see attachments)	Number	1					
5	Digital Pressure Gauge, Range:-14 to 30 psig Pressure conn. 1/4" NPT M, Digital Display, Battery operated, Engineering Units (Psi,Bar,mBar,In H2O,In Hg,Kg/cm2,Kpa,Mpa,mmH2O etc) Model:Fluke 700-G05 or Equivalent (see attachments)	Number	1					
6	Pressure Module. Range 0 to 30 psi, Digital communication compatible with Fluke Multi function process calibrator Model 725. Model:Fluke-750P05 or Equivalent (see attachments)	Number	1					
7	Pressure Module, Range 0 to 2000 psi, Digital communication compatible with Fluke Multi function Process Calibrator Model 725. Model:Fluke-750P2000 or Equivalent (see attachments)	Number	1					
8	Precision Analog Differential Pressure Gauge. Range 0-200 Inch WC, Dial size 4", Static pressure 1450 PSI, Gauge Case Material SS, Connection 1/4" or 1/2" NPT Bottom, IP-66. Model:5503 Make: Ashcroft or Equivalent (see attachments)	Number	1					
9	Resistance Decade Box. Range/Resolution 0 to 1M Ohm in 0.01 Ohm steps, Power Rating 1watt per resistor, Accuracy 0.1%, Voltage Rating Max. 250V DC/AC RMS, Current (max) 3mA Model:1051 Make:Time Electronics or Equivalent (see attachments)	Number	1					
10	Hand Torch. Explosion Proof, IP67, power led, rechargeable battery with charger. Charger Supply Voltage: 220VAC, 50Hz. Model:R-55H Make:WOLFSAFETY England or Equivalent (see attachments)	Number	1					
11	RTD Calibrator. Simulate 8 RTD Types & Ohm resistance, simulate temperature input & Output direct in Degr., Display selectable in Deg C & Deg F Digital display, Batry Opert 9V alkaline. Model:211 Make:ALTEK or Equivalent (see attachments)	Number	1					
12	Universal Thermocouple Calibrator. Calibrate 14 types Thermocouples & mV Plus mv Built-In, Simulate/Read Temp., Display selectable in Deg C & Deg F, 9V Battery Opert 9 Model:211 Make:ALTEK or Equivalent (see attachments)	Number	1					
13	Loop Calibrator. Source Milliamp. Simulate Two wire Transmitters, with standard accessories/test Leads /case/manual in English language, Model:334A, Make:ALTEK or Equivalent (see attachments)	Number	1					

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SYED BILAL AHMAD
 Chief Engineer (Inst.)
 Ext: 4067

NOTE:

1. **Bid bond:** - Pursuant to tender clause # 2.2, 11.4, 13 & 35.3.2, bid bond amounting to US\$ 560/- (USD Five Hundred and Sixty 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:** 120 day after issuance of Lc

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1- Portable Pressure/Vacuum Pneumatic Calibrator,
Pressure range of the electrical pump:-0.,85...+ 20 Bar (-12... 290 psi)
Measuring range: -1 ... +20 Bar Gauge
Pressure Display in 10 Units Minimum (Inches H2O,PSI,Bar,KPa,Kg/cm2,mbar,Mpa,Inches Hg etc)
Connections for test: 1/2" Female thread
Accuracy: 0.025 % FS
Generation/measurement of 4 ... 20 mA, and DC 24 V Voltage supply to power transmitters
Robust case design, IP67
with calibration reports/Certificates & standard accessories/fittings.
Model CPH7650 Make:WIKA Germany Or Equivalent European standard as per above specs.

2-Precision Digital Pressure Gauge.
Explosion Proof
Measuring range: 0...1500 psig
Process connection: 1/2" NPT Male
Wetted parts: Stainless Steel, Elgiloy Sensor
Accuracy: 0.1% FS
Alongwith Calibration Certificates
Model:CPG1500, Make:WIKA Germany or Equivalent European Standard as per above specs.

3-Precision Digital Pressure Gauge.
Explosion Proof
Measuring range: 0...3000 psig
Process connection: 1/2" NPT Male
Wetted parts: Stainless Steel, Elgiloy Sensor
Accuracy: 0.1% FS
Alongwith Calibration Certificates
Model:CPG1500, Make:WIKA Germany or Equivalent European Standard as per above specs.

4-Hydraulic Test Kit
Complete with Precision Digital Pressure Gauge
Packing in Hard Case.
Generate pressure up to 10,000 psi, 690 bar with the Hydraulic Hand Pump alongwith Hose Kit and Standard accessories/ adopters
Alongwith Calibration Certificates
Model:Fluke-700HTPK with Digital Pressure Gauge Model:Fluke700-G29, Range-14 PSI to 3000 PSI
or Equivalent European Standard as per above specs

5- Digital Pressure Gauge
Range -14 PSI to 30 PSIG
Dimension HxWxD (5in x 4.5 in x 1.5in), Pressure connection:1/4" NPT male, Digital Display, Battery operated, Engineering Units:(Psi,Bar,mBar,In
H2O,In Hg,Kg/cm2,Kpa,Mpa,mmH2O etc),
Accuracy: +- 0.05% FS, Resolution: .001 PSI, Burst pressure 500 psi,
Calibration certificate required, CSA certified ; Class 1 Div 2 Group A-D
Model:Fluke700-G05, Make:Fluke or Equivalent as per above specs

6-Pressure Module,
Range 0 to 30 psi,

Digital communication compatible with Fluke Multi Function Process Calibrator Model 725,
Burst rating 4x measuring range, reference uncertainty: $\pm 0.0175\%$, Pressure connections 1/4" (or 3/8") NPT Female. Hi side media (316 SS).
Calibration certificate required.
Model: FLUKE-750P05, Make: Fluke or Equivalent as per above specs

7- Pressure Module,
Range 0 to 2000 psi, Digital communication compatible with Fluke Multi function process calibrator model 725, Burst rating 3x measuring range,
reference uncertainty $\pm 0.0175\%$, Pressure connections 1/4" (or 3/8") NPT Female. Hi side media (316 SS).
Calibration certificate required.
Model: Module, Pressure FLUKE-750P2000, Make Fluke or Equivalent as per above specs.

8- Precision Analog Differential Pressure Gauge,
Range 0-200 Inches of water, Dial size 4", Accuracy 0.5% of span, Process Line static pressure 1450 PSI, Gauge Case Material SS, Connection 1/4"
NPT or 1/2" NPT Bottom, Protection IP-66,
Make Ashcroft: Model# 10-5503-SS-D-L-02-L-XYW-XC4-XC3-XAJ-200IW, or Equivalent as per above specs.

9- Resistance Decade Box
Range .01 to 100 K Ohm
Range/Resolution: 0 to 1M Ohm in 0.01 Ohm steps, Power Rating 1 watt per resistor, Protective cover removable, Accuracy 0.1%, Voltage Rating
Maximum 250V DC/AC RMS, Current (max) 3mA,
With Calibration Certificate/accessories
Model# 1051, Make: Time electronics or any Equivalent as per above specs.

10- Hand Torch, Explosion Proof, IP 67,
power led, rechargeable battery with charger, Charger Supply Voltage: 220VAC, 50Hz
Model: R-55H, Make: WOLFSAFETY England, or Equivalent european standard as per above specs.

11- RTD Calibrator
Simulate 8 RTD Types & Ohm resistance, simulate temperature input & Output (Both) direct in degrees, Display selectable in Deg. C & Deg. F,
ACCURACY 0.025%, Digital display, Quick check option switch, Battery Operated 9V alkaline,
Calibration certificate with standard accessories/test leads /case/ manual in English.
Model: 211, Make: ALTEK or Equivalent European standard as per above specs.

12- Universal Thermocouple Calibrator
Calibrate 14 types Thermocouples (J, K, T, E, R, S, B, N, G, C, D, P, L, U & mV) PLUS MV BUILT-IN, Simulate/Read Temperatures direct in
degrees, Display selectable in Deg. C & Deg. F, Quick check option switch, ACCURACY 0.007%, Digital display, Battery Operated 9 V alkaline,
Calibration certificate with standard accessories/test leads /case/ manual in English.
Model: 422, Make ALTEK or Equivalent as per above specs.

13- Loop Calibrator
Milli Ampere Loop Calibrator,
Source milliamps, Simulate two-wire transmitters, Read milliamp outputs Power & Measure two-wire transmitters, Read DC Volts upto 100VDC to
check loop power supplies, 0.03% Accuracy, range 0.00 to 24.00 mA, Digital display, Battery Operated 9 V alkaline battery, Calibration certificate
with standard accessories/test leads /case/ manual in English.
Model: 334A, Make: ALTEK or Equivalent European standard as per above specs.

TEST EQUIPMENTS INSTRUMENTS FOR NASHPA PLANT

- 1-Bidder must confirm that quoted items 100% fit in specification, size and function for the items model mentioned by OGDCL.
- 2- Country of origin with complete address, email, contacts of the OEM / factory to be provided in technical bid
- 3- Items must be in original OEM Packing
- 4- Items must be new & free from any defect
- 5- If any change/update/superseded Model/Part nos., it should be incorporated in bid.
- 6- Following Documents must be provided with delivery (WHERE APPLICABLE).
 - i- Operational & Maintenance manual having detailed drawings and spare part details.
 - ii- MTC
 - iii- Calibration Certificate
- 7-In case `EQUIVALENT` Make, Model and P# against specified SOR items are offered / quoted. Confirmation Certificate from OEM should be provided that;
 - i- Offered/ quoted items and their Make, Model and P# are exactly functional replacement of specified SOR items in all aspects of specifications, size, installation and functionality.
 - ii- Data sheets, Dwgs., O&M manuals and physical pictures must be submitted with bid.
 - iii- Specification comparison data sheet of offered items v/s SOR items may be submitted with bid.
 - iv- No additional software / hardware and workmanship will be required for installation and operation.
 - v- All the quoted items, must replace the specified SOR items without any modification.
 - vi- Offered/ quoted items and their Model and P# are fully in compliance with E&P safety standards.
 - vii- At any stage any/all of the items found contradicted to above conditions, supplier will be liable to replace any/all the supplied items with specified main Model, P# and specs as mentioned in the SOR at supplier's cost.
- 8- Items must have standard OEM warranty/guarantee
- 9- In case a different part number is quoted then supporting documentation from OEM must be provided
- 10- Bidder should submit the complete compliance of above clauses duly signed and stamped