



الشركة الأردنية لصناعة وتعبئة الغاز المسال ذات المسؤولية المحدودة احدى شركات مجموعة مصفاة البترول

عمان - الأردن

مناقصة رقم (2024/105) طلب مواد رقم (24030005) تركيب عداد الكتروني على نقطة تعبئة
صهاريج الغاز في محطة غاز عمان.

الموضوع :- دعوة للاشتراك في مناقصة محلية

ترغب الشركة الأردنية لصناعة وتعبئة الغاز المسال بشراء المواد المبينة تفصيلها ومواصفاتها الفنية في
الكشف المرفق وباعتباركم مورداً لهذه المواد نوجه هذه الدعوة لكم للاشتراك بالمناقصة اعلاه وتقديم
عرض سعر للمواد المطلوبة اذا وجدتم ان بإمكانكم تنفيذه مع الالتزام بكافة الشروط والمواصفات وفيما
يلي الشروط العامة للمناقصة :-

1. يقدم العرض (نسختين) قبل الموعد المحدد ادناه ضمن ظرف مغلق ومختوم مبينا عليه رقم المناقصة
وتاريخ الاغلاق واسم وعنوان المناقص ويسلم باليد الى (دائرة المشتريات الإدارة العامة - جبل عمان - الدوار
الأول) ولا يقبل اي عرض يرسل بالفاكس نهائياً .
2. يجب ان يكون العرض مروساً باسم وعنوان المورد موقعا ومختوما بالخاتم الرسمي للمناقص ومرفقا بصورة
الشروط موقعة ومختومة منه لتأكيد التزامه بكافة الشروط والمواصفات وكذلك تقديم نسخة من السجل التجاري
ورخصة المهن .
3. على المناقص تثبيت الاسعار الافرادية والاجمالية على عرضه رقما وكتابة بخط واضح دون تصحيح او كشط
او محو .
4. على المناقص بيان الامور التالية في عرضه بوضوح :-
 - شمول السعر لضريبة المبيعات 16% او اية نسبة تحدد بعرض السعر والرسوم الجمركية .
 - في حال وجود اي خدمة اضافية يراد تقديمها في العرض وغير واردة في مواصفات طلب المواد او امر الشراء
يجب ان يتم ذكرها بالتفصيل وان يتم بيان كلفتها المالية بشكل واضح .
 - مدة صلاحية الاسعار (يجب الاتقل عن (90) يوم من تاريخ تقديم العرض وخلاف ذلك يحق للمصفاة استبعاد
العرض) .
 - اجور النقل الى محطة غاز عمان يجب ان تكون مشمولة ضمن السعر المعروض .
 - ان تكون المواد المعروضة جديدة وغير مستعملة او مجددة وخالية من العيوب مع بيان سنة الصنع .
 - ان يحدد منشأ البضاعة والالتزام بتقديم شهادة بلد المنشأ وتحديد اسم الشركة الصانعة، مده التوريد، مكان
التسليم علما ان مكان التسليم محطة غاز عمان.
 - تثبيت السعر الافرادي والجمالي رقما وكتابه بخط واضح دون شطب او تعديل.
5. على المناقص تقديم شهادة منشأ عند توريد المواد (مصدقة اصولا او تشير للبيان الجمركي)
6. الشركة غير ملزمة بالإحالة على اقل الاسعار ويحق لها رفض اي عرض دون ابداء الاسباب.

7. يحق للشركة الغاء المناقصة او اعادة طرحها او شراء جزء منها او التعديل على الكميات المطلوبة دون بيان الاسباب ودون ان تتحمل اي مسؤولية أياً كان نوعها.
8. على المناقص عدم مراجعة اي جهة فنية في الشركة الا بالتنسيق مع دائرة المشتريات.
9. المواد المطلوبة خاضعة للزيادة والنقصان بنسبة $\pm 25\%$.
10. يلتزم المناقص بقبول الإحالة الجزئية.
11. يلتزم المناقص بتقديم عينات حسب القياس المطلوب وشهادات الفحص المبينة في الشروط المرفقة او كتالوجات لأي من البنود المطلوبة مع العرض.
12. يلتزم المناقص بدفع قيمة طوابع الواردات والبالغة (3) بالالف على قرار الاحالة خلال عشرة ايام من تبليغه بالقرار.
13. على المناقص تقديم كفالة حسن تنفيذ غير مشروطة بنسبة 10% من القيمة الاجمالية (بعد الاحالة) لحين استلام المواد والموافقة عليها.
14. يتم دفع ثمن المواد المشتراه بعد استلام المواد في مستودعات الشركة وبعد صدور سند استلام يؤكد استلامها كاملة ومطابقة للشروط والمواصفات.
15. في حال تأخير توريد / تنفيذ المناقصة حسب ما تم الاتفاق عليه يترتب عليكم غرامة قدرها (20) دينار اردني عن كل يوم تأخير .
16. في حال اخلال المتعهد المحال عليه المناقصة باي من التزامات, يحق للشركة الغاء الاحالة واللجوء الى طرف ثالث دون الحاجة لأي اخطار او انذار عادي او عدلي ودون الحاجة لمراجعة القضاء وتحميل المتعهد كافة التكاليف المترتبة على ذلك
17. تعتبر هذه الشروط جزءاً لا يتجزأ من المناقصة وعلى المورد الالتزام بما جاء فيها.
18. اخر موعد لقبول واستلام العروض الساعة الثالثة من ظهر يوم الخميس الموافق 2024/03/07 وتسلم لدائرة المشتريات - الادارة العامة - جبل عمان - الدوار الأول -الطابق الأول - مكتب 10
19. في حال وجود أي استفسار يتم إرساله بالبريد الإلكتروني على العنوان (Purchasing@jopetrol.com.jo) .
20. يجب ان تكون الفاتورة المقدمة من قبلكم في حال شراء السلع او تقديم خدمة وفقاً لنظام تنظيم شؤون الفوترة والرقابة عليها رقم (34) لسنة 2019 وسيتم رفض أي فاتورة لا تكون وفقاً للنظام أعلاه .
- كما يشترط تقديم البيانات التالية على الفواتير الصادرة من قبلكم :-
- الاسم الكامل للشخص أو الشركة أو المفوض بالتوقيع وختم الشركة الرسمي أو المفوض بالتوقيع وتوقيعه.
- الرقم الوطني الكامل للشخص أو الشركة أو المفوض بالتوقيع .
- العنوان الكامل بالإضافة إلى رقم الهاتف والصندوق البريدي والرمز البريدي .
- الرقم الضريبي للشخص أو الشركة إن وجد .

A

Jordan LPG Manufacturing and Filling Company
Quote Order

Order Number 24030006 OQ 00003
Branch/Plant 3001
Order Date 29/01/2024 Request Date 29/01/2024
Freight Handling

Delivery Instructions

Design, supply Installation and commissioning anew custody transfer LPG Truck filling meter at Amman filling station for using such meter as master meter (Turnkey Project) According to the attached Terms of reference.

Line	Item Number	Description	Ordered Quantity	Unit	Supplier Offer Unit Price	Supplier Offer Currency Code	Original Order No	Orig TypeLine No
1	LPG (Mass Flow Meter) تركيب		1.000	EA			24030005	OR 1

Purchasing Manager :

Remarks of Purchasing Department :

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Terms of Reference (TURNKEY PROJECT) for Design, Supply, installation and commissioning a new custody transfer LPG Truck filling meter at Amman filling station for using such meter as master meter.

Item No.	SPECIFICATION / REQUIREMENTS	DEVIATION
A.	Scope of supply:	
1.	Design, Supply, installation and commissioning custody transfer meter skid "Turn Key Project" includes: Coriolis mass flow meter, batch controller, Auto shut-off valves, frame, piping, and any associated components req for using such meter as master meter.	
B.	General Requirement:	
1.	Tenderers are invited to visit the Site, in order to get a better understanding of the project requirements, collect the necessary data for preparing comprehensive offer, completed with the required site preparation requirements. Tenderer shall notify the Company of the visit seven days before the suggested visit date.	
2.	All the new components shall be state of the art from well-known manufacturers	
3.	Any newly supplied component shall be in active phase of its life cycle with guaranteed availability of spare parts for a period not less than 10 years from the date of delivery.	
4.	Instructions and drawings for installation for offered skid shall be provided.	
5.	Third column titled (DEVIATION) shall be filled by (NONE) if the specification of the offered equipment is complying with the Company SPECIFICATION / REQUIREMENTS. Deviations from these requirements shall be clearly explained in the deviation column.	
6.	<ul style="list-style-type: none"> - References and certifications - EC-type examination certificate issued from a notified body shall be provided. - Calibration Certificate shows calibration data for the instrument along with statement that calibration test equipment used is traceable. - Certificate of origin shall be provided. - Certificate of accuracy 2.1 acc. EN 10204 - Accredited flow calibration according to ISO/IEC 17025. - type-tested for legal metrology in accordance with MID / OIML R117 in accuracy classes 0.5 . - Coriolis meters shall comply with API MPMS Chapter 5.6. - Full compliance with Pressure Equipment Directive (PED) category III. - Certificates as per IEC 60079 "Explosive Atmospheres" are required. 	
7.	Electrical wiring shall be in strict accordance with hazardous area requirements. All wiring will be routed via Galvanized Steel Cable Tray to explosion proof junction boxes located at the skid edge. Earthing and bonding cables shall be single core, stranded copper, PVC insulation colored yellow and green and sized to suit duty. Two earthing bosses shall be provided on the skids at diagonally opposite ends for connection to the main earthing conductor / system.	
C.	Coriolis Mass Flow meter	
1.	Coriolis meters shall be used as master per API's Chapter 5.6 Measurement of Liquid Hydrocarbons by Coriolis Meters.	
2.	meter shall meet current industry standard requirements for custody transfer measurement.	
3.	Meter Size DN 80 (3 in.)	

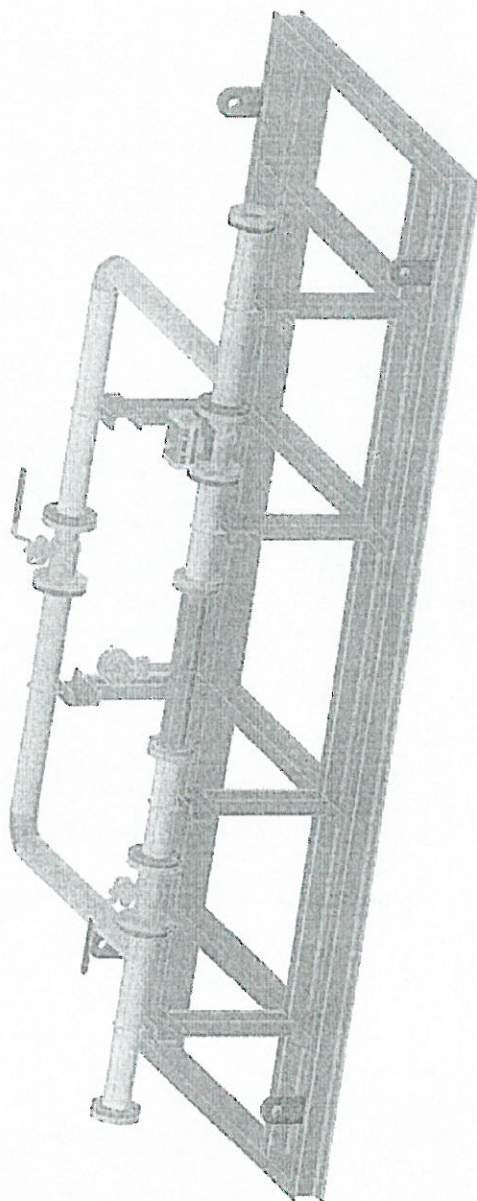
Item No.	SPECIFICATION / REQUIREMENTS	DEVIATION																																	
4.	Accuracy mass flow: not less than $\pm 0.1\%$																																		
5.	Repeatability: $\pm 0.05\%$																																		
6.	Service specifications <table border="1"> <tr> <td>LPG Tanker Loading</td><td></td><td></td></tr> <tr> <td>Fluid</td><td></td><td>LPG</td></tr> <tr> <td>Typical Composition</td><td></td><td>25% Propane - 75% Butane</td></tr> <tr> <td>Max. Flow *</td><td>M³/hr</td><td>172</td></tr> <tr> <td>Normal Flow **</td><td>M³/hr</td><td>46</td></tr> <tr> <td>Pressure</td><td>Kg/cm².g</td><td>12</td></tr> <tr> <td>Temperature</td><td>°C</td><td>15 - 35</td></tr> <tr> <td>Design Pressure</td><td>Kg/cm².g</td><td>16</td></tr> <tr> <td>Design Temperature</td><td>°C</td><td>-5 /40</td></tr> <tr> <td>Density</td><td>Kg/m³</td><td>530 - 580</td></tr> <tr> <td>Viscosity</td><td>cP</td><td>0.12</td></tr> </table>	LPG Tanker Loading			Fluid		LPG	Typical Composition		25% Propane - 75% Butane	Max. Flow *	M ³ /hr	172	Normal Flow **	M ³ /hr	46	Pressure	Kg/cm ² .g	12	Temperature	°C	15 - 35	Design Pressure	Kg/cm ² .g	16	Design Temperature	°C	-5 /40	Density	Kg/m ³	530 - 580	Viscosity	cP	0.12	
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7.	Transmitter with Advanced LCD Display Features to show Flow, density, temperature, Total mass and volume ... etc. with Local configuration via TTG (through-the-glass) keys on LCD indicator																																		
8.	Transmitter output shall Pulses & 4 - 20 mA / hart for configuration.																																		
9.	Installation shall be in accordance with Vendor's recommendations. Process piping to the flow sensor shall be properly aligned and supported to avoid excessive stress on the flow sensor.																																		
10.	Supplier shall be responsible for proper and optimum sizing, selection and supply of the Coriolis Master meter for the application.																																		
11.	Explosion Protection Certification: ATEX / IECEx (Zone1)																																		
12.	Tube material shall be selected according the handled fluid and the process conditions.																																		
13.	Available Power supply: 230 VAC / 50Hz																																		
14.	No crosstalk: resistant to installation and process effect.																																		
15.	Instrument housing material can be either Aluminum or alloy with a suitable coating according to the manufacturer standard where they are the Vendor's standard recommended product suitable for the application and environmental conditions. Stainless Steel cases are also acceptable.																																		
D.	Flow Computers																																		
1.	The front panel display of the Flow Computers shall calculate and display the flow rate, resettable total, the accumulated total for volume and mass, Temperature & Pressure.																																		
2.	Coriolis mass flow meters with integrated batching capabilities is accepted also.																																		
3.	Flow Computers shall get reading by Pulses from the Coriolis flow meter and analogue signal 4-20 mA from Pressure and Temperature sensors to calculate the actual total compensated volume flow rate.																																		
4.	Computer/ Totalizer shall has open and standardized interfaces to allow smooth integration to any vendor Terminal Management System.																																		
5.	Display Type Backlit LCD with 7-digit numeric display and 11-character alphanumeric display																																		
6.	Digits 15.5 mm (0.6") high (min.)																																		
7.	Totalizer shall have external push button for start, stop, Total Preset. etc																																		
8.	Available Power supply: 230 VAC / 50Hz																																		

Item No.	SPECIFICATION / REQUIREMENTS	DEVIATION
9.	Explosion Protection Certification: ATEX / IECEx (Zone1)	
E.	Shut-off valve with Actuators	
1.	Anti-static full bore Valve , conform to flange end	
2.	Pneumatic Actuators 5-7 bar	
3.	Body Material: Cast steel A216 Gr. WCB	
4.	Ball & STEM material : Stainless steel 316	
5.	Size: Match to pipe size and flow rate, typically NPS 3"	
6.	Pressure rating: Exceed maximum operating Pressure.	
7.	Connection type: ISO 5211 flanged connections for secure and leak-proof installation.	
8.	Body style: Full bore design for minimal pressure drop and optimal flow.	
9.	Anti-static feature: Essential for preventing static ignition, consider spring-loaded grounding connections.	
10.	Actuator Air pressure range: 5-7 bar.	
11.	Actuator Spring return configuration: Fail-closed configuration for safety in case of air loss.	
F.	Structure & Piping Materials	
1.	The main piping will be according to the piping specification and Skid Schematic Diagram.	
2.	<p>The following documents shall be supplied for local skid assembly:</p> <ul style="list-style-type: none"> Material Test Certificates: The parts must be accompanied by certificates that provide information about their physical properties, chemical composition, and heat treatment report. These certificates should adhere to the relevant codes and standards. Welding Procedure Specification (WPS): The WPS document, along with Welding Procedure Qualification Records (PQR) and welding map (WM), shall be provided. These documents outline the specific procedures and qualifications required for the welding process. 	
3.	Junction boxes shall be installed at agreed locations at the skid boundaries, The junction boxes shall be certified ATEX approved, IP Rating: 66	
G.	Environment conditions	
1.	The elevation of site is about 800 m above sea level.	
2.	Minimum ambient temperature = - 5 °C.	
3.	Maximum shade temperature = + 50 °C.	
4.	Maximum ambient temperature = + 55°C	
5.	Relative humidity varies between 50% in Summer at 35 °C to 75% in Winter at 15 °C, maximum relative humidity value = 96%	
H.	Calibration and verification	
1.	The Coriolis mass flow meter LPG skid shall be supplied with a calibration certificate from a laboratory accredited to ISO/IEC 17025.	
I.	Training	
1.	Training shall only be done after commissioning and final acceptance test has been completed and passed as indicated in this specification. Any training done prior to final acceptance will not be accounted for the	

Item No.	SPECIFICATION / REQUIREMENTS	DEVIATION
	formal training requested and the contractor shall do the training after the final acceptance test is passed, at no additional cost .	
J.	Spare Parts	
1.	Detailed Commissioning Spares shall be provided.	
2.	Two Years Operational Spares shall be provided.	
3.	A separate itemized priced list(s) of recommended spare parts for the next 10 years.	
4.	In case that any spare parts needed during the guarantee period and not included in the offered spare parts, the Contractor shall provide these spare parts for guarantee period at his own expense, within shortest time within 72 hours .	
K.	GUARANTEE AND WARRANTY	
1.	Two-year warranty is required.	
2.	The Bidder shall guarantee that the project equipment and materials are brand new and free from fault in design, workmanship and material, and are of proper material to fulfil satisfactorily the operating conditions. Shall any defect in design, materials, workmanship or operating characteristics arise during the guarantee period of operation, the Contractor shall make all necessary or desirable alterations, repairs and replacements of defected materials and equipment, free of charge, and shall pay for any transportation involved in this regard.	
L.	Evaluation Criteria	
1.	Jopetrol Gas company will evaluate all proposals based on the following criteria: <ul style="list-style-type: none"> • Technical specifications of the proposed meter. • Experience of the vendor in installing and commissioning custody transfer LPG meters. • Proposed time schedule. • Cost. 	
M.	COMMISSIONING AND FINAL ACCEPTANCE TEST.	
1.	The Supplier shall perform commissioning and test run of the system to ensure the conformity of the system to the Company requirements, to the satisfaction of the Company for a period not be less than one week , the equipment shall pass a successful and continuous test run without interruption.	
2.	The whole system shall be put in a comprehensive test run and commissioning test as follows:	
a.	All components shall be inspected to ensure they have been properly installed by the contractor, securely attached, properly adjusted, clearly labelled, and operational.	
b.	The contractor shall have tested the system previously to ensure the final acceptance test will be successful.	
c.	All permanent and final labels as requested in the identification and tagging section of this specification are Completed.	
d.	No temporary conditions shall be present in the system.	
e.	All systems programming shall be completed.	
f.	A punch list of the items to be corrected will be prepared by the Company engineers during the final acceptance test.	
g.	If during the testing process company determine that the rate of failure of the test is too high (non-compliance with specifications), the test will be cancelled unilaterally by the Company. The contractor shall correct all items and re-schedule the final acceptance test again.	
h.	Upon successful completion of the final acceptance test the contractor will receive a written notice by the Company acknowledging the acceptance of the test.	

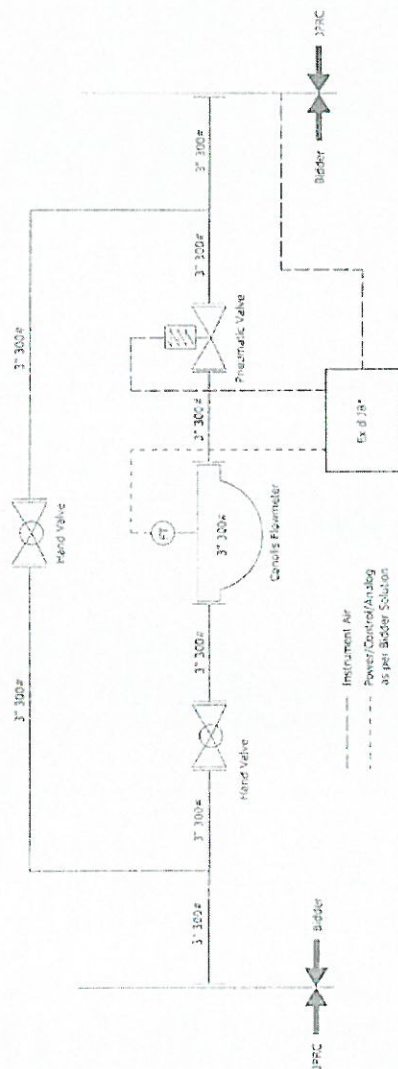
Item No.	SPECIFICATION / REQUIREMENTS	DEVIATION
N.	DRAWINGS, MANUALS AND MANUFACTURER'S DATA:	
3.	Tenderer / Manufacturer shall provide at the time of offering his offer triplicate copies of technical literature, data sheets, performance data and all information required in this specification, in order to permit comparison and evaluation to be made by the Company. The Company reserves the right to disregard any offer, which is not accompanied with sufficient data.	
4.	Point-to-point wiring diagrams indicating all termination points for each connection and for each device, cable types and color coding of each termination if required.	
L	Attachments:	
1.	Skid Schematic Diagram Attached No. 1	
2.	Skid P&ID Attached No. 2	

DRG. NO. R2-



MATERIAL LIST									
ITEM		VOC. NO.	DESCRIPTION			DATE		QTY.	
NOTES									
REFERENCE DRAWINGS									
DWG. NO.		DESCRIPTION							

DRG NO R2-



Balancing Controller/Power Distribution
Relays/Solenoids, as per Bidder's Solution

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