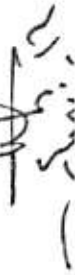


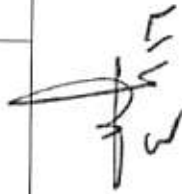
1- قائمة السلع وجدول التسليم

الطلبية المرقمة (ب/ب/م/س/ج/ن- ٢٠٢٤/١) منصة عداد وحاسة خزان غاز (تصنيع وتجهيز وتنصيب وفحص وتشغيل) المعمل سميت الكوفة

فترة التجهيز بالأيام		مكان التسليم النهائي	الوحدة	الكمية	وصف السلع	رقم الفقرة
فترة التجهيز المقترح من مقدم العطاء	الموعده المتوقع للتسليم					A
				1	Complete metering skid (design, supply, installation, inspection and operation), Ultrasonic flow Meter type for Dry Gas, 2 streams (1duty, 1master) Z – configuration Each stream consist of the following :	
				1	Ultrasonic Gas meter 6 path for natural gas application	1
	حدود (١٢٠) يوم تبدأ من تاريخ			1	Flow Computer to be install in control room (safe area) for correction the flow <u>Parameter to be show:</u> Pressure : bar Temperature : C° Sound speed : m/s Flow rate :Uncorrected M ³ /Hr Flow Rate :Corrected SM ³ /Hr Total flow Rate :Corrected SM ³ /Hr Density Kg / m ³	2
	• توقيع العقد (نقدي) او	CIF or CIP		1	Flow conditioner	3
	• التخلي بالاعتماد				Pressure transmitter	4
				1	Temperature transmitter	5


											6
	1	Density analyzer									6
	According to the design	Ball valves . check valves									7
	1	junction box									8
	set	Cables Cable try									9
	1	UPS system									10
	1	PLC panel for flow Computer									11
		The supplier must supply the original certificate of each item									12
		Original calibration certificate by third party of meter instruments									13
		Set of documents including drawing and wiring diagram .									14
		General Specification : -Manufacturer company : <u>RMG , FMC , Endress+Hauser,</u> KROHNE -Origin country : USA , ENGLAND , West Europe -Design according AGA 3,5,7,8,9,10 -Flow rate : 55,000 SM3/hr max 1,000 SM3/hr Min -Design pressure : 100 bar inlet , 10 bar outlet -Working pressure : 12-50 bar inlet , 2-7 bar outlet -Gas Temp : -20 C° to 60 C° -Uncertainty < 0.3 %									15



2




					<ul style="list-style-type: none"> - Flow Straightener - Inlet & Outlet piping system - chaises and sun shelter - Unites measurements are user selectable - All skid must be explosion proof - Total loop error of the skid - processing Period :120 day - Warranty 1 years from successful test
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1-list of goods and delivery schedule

Tender NO: (13B/T/SOC-1/2024) Complete metering skid (design ,install , supply , installation , inspection and operation), Ultrasonic flow Meter type for Dry Gas for cement Kufa plant

Item No.	Goods Description	Quantity	Unit No.	Final Delivery Destination	Supplying Period (in days)	
					Estimated Delivery period	The proposed Delivery Period by Bidder (filled by Bidder)
A	Complete metering skid (design ,supply , installation , inspection and operation) , Ultrasonic flow Meter type for Dry Gas ,2 streams (1duty,1master) Z – configuration Each stream consist of the flowing :	1		CIF or CIP	About (120)Days starting from : The date of signing the contract (Cash)	Or
1	Ultrasonic Gas meter 6 path for natural gas application	1				
2	Flow Computer to be install in control room (safe area)for correction the flow Parameter to be show:	1				

 3



	Pressure:bar Temperature :C° Sound speed :m/s Flow rate :Uncorrected M3/Hr Flow Rate :Corrected SM3/Hr Total flow Rate :Corrected SM3/Hr Density Kg / m³					The date of advising about the (L/C)	
3	Flow conditioner	1					
4	Pressure transmitter	1					
5	Temperature transmitter	1					
6	Density analyzer	1					
7	Ball valves . check valves	1					
8	junction box	According the design					
9	Cables Cable try	1					
10	UPS system	set					
11	PLC panel for flow Computer	1					
12	The supplier must supply the original certificate of each item						
13	Original calibration certificate by third party of meter instruments						
14	Set of documents including drawing and wiring diagram .						

15	<p><u>General Specification :</u></p> <ul style="list-style-type: none"> -Manufacturer company :RMG , FMC, Endress+Hauser, KROHNE -Origin country :USA , ENGLAND , West Europe -Design according AGA 3,5,7,8,9,10 -Flow rate :55,000 SM3/hr max 1,000 S M3/hr Min -Design pressure :100 bar inlet , 10 bar outlet -Working pressure:12-50 bar inlet , 2-7 bar outlet -Gas Temp: -20 C° to 60 C° -Uncertainty < 0.3 % -Flow Straightener -Inlet &Outlet piping system -chaises and sun shelter -Unites measurements are user selectable -All skid must be explosion proof -Total loop error of the skid -processing Period :120 day - Warranty 1 years from successful test 					
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 5



Tender NO: (13B/T/SOC-1/2024) Complete metering skid (design ,supply , installation , inspection and operation) ,Ultrasoning flow Meter type for Dry Gas for cement kufa plant

IT.NO	SPECIFICATION	QTY
A	Complete metering skid (design ,supply , installation , inspection and operation) ,Ultrasoning flow Meter type for Dry Gas ,2 streams (1duty, 1master) Z – configuration Each stream consist of the flowing :	1
1	Ultrasoning Gas meter 6 path for natural gas application	1
2	Flow Computer to be install in control room (safe area)for correction the flow <u>Parameter to be show:</u> Pressure :bar Temperature :C° Sound speed :m/s Flow rate :Uncorrected M3/Hr Flow Rate :Corrected SM3/Hr Total flow Rate :Corrected SM3/hr Density Kg / m³	1
3	Flow conditioner	1




1,000 S M3/hr Min

- Design pressure :100 bar inlet, 10 bar outlet
- Working pressure:12-50 bar inlet, 2-7 bar outlet
- Gas Temp: -20 C° to 60 C°
- Uncertainty < 0.3 %
- Flow Straightener
- Inlet & Outlet piping system
- chaises and sun shelter
- Unites measurements are user selectable
- All skid must be explosion proof
- Total loop error of the skid
- processing Period :120 day
- Warranty 1 years from successful test


— / N / —




2011.12.5

1- Drawing

Drawings List		
No. Of Drawing	Name Of Drawing	Purpose
		NO Drawing

2- Test And Engineering Inspection

The Following Tests And Engineering Inspection will be executed (Fill in the schedule of tests and engineering inspections)

List of Inspections and Tests	
Line Item No	
1.	Original calibration certificate by third party of meter and instruments

2011/12/3


2011/12/3
