

١-قائمة السلع وحدود التسليم

المطالبة المرقمة (١١٣/م/ص، ج ن ٢٠٢٤/١٠) منضمة عداد وحاسبة جريان غاز (تصنيع وتجهيز وتثبيت وفحص وتشغيل) للعمل سبنت الكوفة

فترة التجهيز بالأيام		مكان التسليم النهائي	الوحدة	الكمية	وصف السلع	رقم الفقرة
فترة التجهيز المفتح من مقدم العملاء [يتم قبل مقدم العملاء]	الموعد المتوقع للتسليم					
	<p>حدود (١٢٠) يوم تبدأ من تاريخ</p> <p>• توقيع العقد (نقدي) أو</p> <p>• التخليع بالاعتماد</p>	CIF or CIP		1	Complete metering skid (design ,supply , installation , inspection and operation) ,Ultrasonng flow Meter type for Dry Gas ,2 streams (1duy,1master) Z – configuration Each stream consist of the flowing :	A
				1	Ultrasonng Gas meter 6 path for natural gas application	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
				1	Flow conditioner	3
					Pressure transmitter	4
				1	Temperature transmitter	5

				1	Density analyzer	6
				According 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
					<u>General Specification :</u> -Manufacturer company :RMG, FMC, Endress+Hauser, KROHNE -Origin country :USA , ENGLAND ,West Europe -Design according AGA 3,5,7,8,9,10 -Flow rate :5,000 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

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

1-list of goods and delivery schedule

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) ,Ultrasong flow Meter type for Dry Gas ,2 streams (1duty, 1master) Z – configuration Each stream consist of the flowing :	1		Clf or CIP	About (120) Days starting from : The date of signing the contract (Cash)	
1	Ultrasong 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			Or	

				The date of advising about the (L/C)	
	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				
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	scr			
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	<u>General Specification :</u> <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 max1,000 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					



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

kufa plant

IT.NO	SPECIFICATION	QTY
A	Complete metering skid (design ,supply , installation , inspection and operation) ,Ultrasong flow Meter type for Dry Gas ,2 streams (1duty, 1master) Z – configuration Each stream consist of the flowing :	1
1	Ultrasong 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

4	Pressure transmitter	1
5	Temperature transmitter	1
6	Density analyzer	1
7	Ball valves . check valves	According the design
8	junction box	1
9	Cables Cable try	set
10	UPS system	1
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	<u>General Specification :</u> -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	

<p>1,000 S M3/hr Min</p> <ul style="list-style-type: none"> -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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V. Drawing

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

4- 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



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