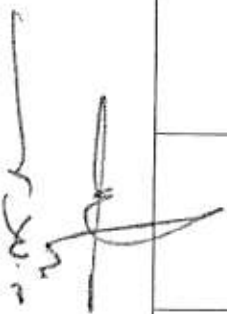


١- قائمة السلع وجدول التسليم

الطالبة المرقمة (١١/١١) م/س ج ن ٢٠٢٤/٢٠٢٣ تجهيز عداد غاز مع الملحقات (تصميم وتجهيز وتوصيب وفحص وتشغيل) للعمل سميت الترخيف الاشراف

فترة التجهيز بالأيام	فترة التجهيز المقترح من مقدم العماء [إكمال من قبل مقدم العماء]	الموعد المتوقع للتسليم	مكان التسليم النهائي	الوحدة	الكمية	وصف السلع	رقم الفقرة
	<ul style="list-style-type: none"> • توقيع العقد (نقدي) أو التبادلي • التبادلي بالاعتماد 	حدود (١٢٠) يوم تبدأ من تاريخ	Clf or Clp			Supply the gas flow meter with accessories where complete metering skid (design .supply .erection (installation) . inspection and operation) 1 - 2 lines (1 duty . 1 master) 6 paths UFM skid with Z – configuration . 2 – Flow max: (10000) m ³ / h 3 – Operational flow rate: (100 - 7000)Nm ³ / h 4 – Design pressure: (10) bar Max 5 – Operational pressure : (2 - 7) bar . 6 – Uncertainty < 0 .3 % 7 – Flow Straightener 8 – inlet & outlet piping system 9 – Chaises and sun shelter 10 – pressure and temperature transmitters 11 – Density meter 12 – Backup power supply 13 – All skid must be explosion proof 14 – Manufacturer. west Europe 15 – The supplier must supply the original certificate of each item 16 – Total loop error of the skid	

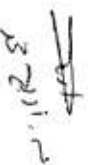
					<p>17 - Original calibration certificate by third party of meter and instruments</p> <p>18 - Set of documents</p> <p>19 - Flow computer has configurable calculations for AGA 3.5.7.8.9.10</p> <p>20 - Unites measurements are user selectable</p> <p>General Specifications:</p> <ul style="list-style-type: none"> - Origin country: West Europe - Design according AGA 3.5.7.8.9.10 - Flow rate: 10.000 nm³/hr max . 100 nm³/hr min - Gas Temp: - 20C⁰ to 60 C⁰ - Processing period: 120 day. - Warranty 1 years from successful test . - Ambient Tempreature = -5C⁰ to 55 C⁰ . - Diameter of pipe = 6 inch - Operating voltage = 24 DC - Signal: (4 - 20) m Amp - Fluid: Natural Gas . - Altitude at : + 42m <p>21-Ultrasonic Gas meter 6 path for natural gas application</p> <p>22-Flow Computer to be install in control room (safe area)for correction the flow</p>	
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				<p>Parameter to be show :</p> <p>Pressure :bar</p> <p>Temperature : C</p> <p>Sound speed :m/s</p> <p>Flow rate :Uncorrected Nm³/hr</p> <p>Flow Rate :Corrected Nm³/hr</p> <p>Total flow Rate :Corrected Nm³/hr</p> <p>Density Kg / m³</p> <p>23-Flow conditioner</p> <p>24-Pressure transmitter</p> <p>25- Temperature transmitter</p> <p>26- Density analyzer</p> <p>27-Bail valves . check valves</p> <p>28- junction box</p> <p>29- Cables Cabie try</p> <p>30- UPS system</p> <p>31-PLC panel for flow Computer</p> <p>32- The supplier must supply the original certificate of each item</p> <p>33- Original calibration certificate by third party of meter instruments</p> <p>34-Set of documents including drawing and wiring diagram .</p>	
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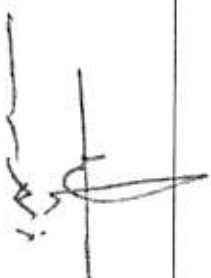


1-list of goods and delivery schedule

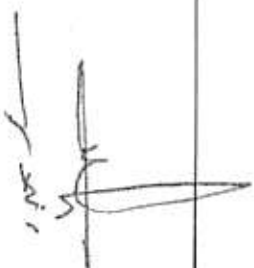
Tender NO: (11A/T/SOC-6/2024) Supply the Gas flow meter with accessories (design ,supply , installation , inspection and operation) for Cement Najaf plant

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)
	<p>Supply the gas flow meter with accessories where complete metering skid (design ,supply ,erection (installation) . inspection and operation)</p> <p>1 - 2 lines (1 duty . 1 master) 6 paths UFM skid with Z – configuration .</p> <p>2 – Flow max: (10000) m³ / h</p> <p>3 – Operational flow rate: (100 - 7000)Nm³ / h</p> <p>4 – Design pressure: (10) bar Max</p> <p>5 – Operational pressure : (2 - 7) bar .</p> <p>6 – Uncertainty < 0 .3 %</p> <p>7 – Flow Straightener</p> <p>8 – inlet & outlet piping system</p> <p>9 – Chaises and sun shelter</p> <p>10 – pressure and temperature transmitters</p> <p>11 – Density meter</p> <p>12 – Backup power supply</p> <p>13 – All skid must be explosion proof</p> <p>14 – Manufacturer. west Europe</p>			<p>Clf or Clp</p> <p>Or</p> <p>The date of advising about the (L/C)</p>	<p>About (120)Days starting from :</p> <p>The date of signing the contract (Cash)</p>	

<p>15 – The supplier must supply the original certificate of each item</p> <p>16 – Total loop error of the skid</p> <p>17 – Original calibration certificate by third party of meter and instruments</p> <p>18 – Set of documents</p> <p>19 – Flow computer has configurable calculations for AGA 3.5.7.8.9.10</p> <p>20 – Unites measurements are user selectable</p> <p>General Specifications:</p> <ul style="list-style-type: none"> - Origin country: West Europe - Design according AGA 3.5.7.8.9.10 - Flow rate: 10.000 nm³/ hr max . 100 nm³/ hr min - Gas Temp: - 20C⁰ to 60 C⁰ - Processing period: 120 day. - Warranty 1 years from successful test . - Ambient Temperature = -5C⁰ to 55 C⁰ . - Diameter of pipe = 6 inch - Operating voltage = 24 DC - Signal: (4 – 20) m Amp - Fluid: Natural Gas . - Altitude at : + 42m <p>21-Ultrasonic Gas meter 6 path for natural gas application</p> <p>22-Flow Computer to be install in control room (safe area)for correction the flow</p>					
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<p>Parameter to be show :</p> <p>Pressure :bar</p> <p>Temperature :C</p> <p>Sound speed :m/s</p> <p>Flow rate :Uncorrected Nm³/hr</p> <p>Flow Rate :Corrected Nm³/hr</p> <p>Total flow Rate :Corrected Nm³/hr</p> <p>Density Kg / m³</p> <p>23-Flow conditioner</p> <p>24-Pressure transmitter</p> <p>25- Temperature transmitter</p> <p>26- Density analyzer</p> <p>27-Bail valves . check valves</p> <p>28-junction box</p> <p>29- Cables Cabie try</p> <p>30- UPS system</p> <p>31-PLC panel for flow Computer</p> <p>32- The supplier must supply the original certificate of each item</p> <p>33- Original calibration certificate by third party of meter instruments</p> <p>34-Set of documents including drawing and wiring diagram .</p>	
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Tender NO: (11A/T/SOC-6/2024) Supply the Gas flow meter with accessories (design ,supply , installation , inspection and operation) for cement Najaf

IT.NO	SPECIFICATION	QTY
	<p>Supply the gas flow meter with accessories where complete metering skid (design ,supply ,erection (installation) . inspection and operation)</p> <p>1 - 2 lines (1 duty . 1 master) 6 paths UFM skid with Z – configuration .</p> <p>2 – Flow max: (10000) m³ / h</p> <p>3 – Operational flow rate: (100 - 7000)Nm³ / h</p> <p>4 – Design pressure: (10) bar Max</p> <p>5 – Operational pressure : (2 - 7) bar .</p> <p>6 – Uncertainty < 0 .3 %</p> <p>7 – Flow Straightener</p> <p>8 – inlet & outlet piping system</p> <p>9 – Chaises and sun shelter</p> <p>10 – pressure and temperature transmitters</p> <p>11 – Density meter</p> <p>12 – Backup power supply</p> <p>13 – All skid must be explosion proof</p> <p>14 – Manufacturer. west Europe</p> <p>15 – The supplier must supply the original certificate of each item</p> <p>16 – Total loop error of the skid</p> <p>17 – Original calibration certificate by third party of meter and instruments</p>	

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	<p>18 – Set of documents</p> <p>19 – Flow computer has configurable calculations for AGA 3.5.7.8.9.10</p> <p>20 – Unites measurements are user selectable</p> <p>General Specifications:</p> <ul style="list-style-type: none"> - Origin country: West Europe - Design according AGA 3.5.7.8.9.10 - Flow rate: 10.000 nm³/hr max . 100 nm³/hr min - Gas Temp: - 20C⁰ to 60 C⁰ - Processing period: 120 day. - Warranty 1 years from successful test . - Ambient Tempressure = -5C⁰ to 55 C⁰ . - Diameter of pipe = 6 inch - Operating voltage = 24 DC - Signal: (4 – 20) m Amp - Fluid: Natural Gas . - Altitude at : + 42m <p>21-Ultrasonic Gas meter 6 path for natural gas application</p> <p>22-Flow Computer to be install in control room (safe area)for correction the flow</p> <p>Parameter to be show :</p> <p>Pressure :bar</p> <p>Temperature :C</p> <p>Sound speed :m/s</p>	
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<p>Flow rate :Uncorrected Nm³/hr</p> <p>Flow Rate :Corrected Nm³/hr</p> <p>Total flow Rate :Corrected Nm³/hr</p> <p>Density Kg / m³</p> <p>23-Flow conditioner</p> <p>24-Pressure transmitter</p> <p>25- Temperature transmitter</p> <p>26- Density analyzer</p> <p>27-Bail valves . check valves</p> <p>28-junction box</p> <p>29- Cables Cable try</p> <p>30- UPS system</p> <p>31-PLC panel for flow Computer</p> <p>32- The supplier must supply the original certificate of each item</p> <p>33- Original calibration certificate by third party of meter instruments</p> <p>34-Set of documents including drawing and wiring diagram .</p>	
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4- 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	The required inspection for the tender materials are as follows
1.	Original calibration certificate by third party of meter and instruments



