

OIL INDIA LIMITED

(A Govt. of India Enterprise)

Rajasthan Project,

02-A, SARASWATI NAGAR,

DISTRICT SHOPPING CENTRE, BASNI

JODHPUR- 342005,

RAJASTHAN, INDIA

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ANNEXURE-I**Tender No. : JID3079L17****Tender Date : 22.11.2016**

Item No./ Mat. Code	Material Description	Quantity	UOM
10 99081322	<p>Multivariable Flow Transmitter</p> <p>Function: To measure differential pressure, static pressure & process temperature using orifice as primary element and calculates and displays the compensated volumetric flow rate & total volumetric flow.</p> <p>GENERAL:</p> <ol style="list-style-type: none"> 1. Purpose: Compensated Volumetric Flow Measurement 2. Maximum Flow: 15000 sm³/day 3. Normal Flow: 12250 sm³/day 4. Process Medium: Natural Gas (C1:42-46%, C2: 0.7-0.9%, C3:0.1%-0.2%, iso-C4:0.02-0.03%, n-C4:0.03-0.05%, iso-C5:0.01-0.02%, n-C5:0.01-0.02%, C6+:0.02-0.07%, N2: 27-30%, CO2: 24-29%) 5. Operating Pressure: 25-30 Kg/cm² 6. Operating Temperature: 24-50 degC 7. Maximum Allowable Pressure Drop: Less than 1000 mmwc 8. Housing: MFG STD 9. Mounting: 2 inch stand pipe 10. Enclosure class: Weather Proof (NEMA 4 & IP-65) 11. Electrical Area Classification: Class I, Division I, Gas Group D 12. Intrinsically safe: Yes 13. Lightning protection: Required 14. Accuracy: +/- 1% of Flow rate 15. Turndown Ratio: 1:100 16. Stability: +/- 0.1% of URL per 5 Years 17. Response time: 500 msec or less 18. Process data: Fluid - Natural gas & state-Gas 19. Ambient Temperature: -5 to 60 degC 20. Humidity: 5 to 95% RH, Non-condensing 21. Cable Entry: ½" NPTF 22. Process Connection: ¼ inch NPT <p>TRANSMITTER:</p> <ol style="list-style-type: none"> 1. Type: Micro-Processor based, SMART 2. Power supply: 16 to 48 VDC (24 VDC normal) 3. Transmitter output: 4 to 20 mA with super imposed digital signal 4. Accessing protocol: HART 5. Indicator: LCD display, Displays real time reading (Flow, pressure & temperature) in user defined units & totalized flow <p>ELEMENT:</p> <ol style="list-style-type: none"> 1. Flow Element: Orifice 2. MOC of Orifice: SS316 3. Flow Element Sizing Calculation as per AGA3 & AGA8 for compressibility 	1	NO

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	<p>4. Sensing Diaphragm material of Transmitter & other wetted parts material: SS316L</p> <p>5. RTD Type: Pt-100, Three Wire Duplex, Sheath Diameter: 6 mm, Mat.: SS</p> <p>6. Line size: 2 inch schedule 80; Rating: 300#, MOC: SS</p> <p>7. Orifice Mounting: Horizontal</p> <p>ACCESSORIES:</p> <p>1. RTD # 1 no.;</p> <p>2. Thermowell for RTD (MOC: SS316) with complete SS flange/thread connection system (300# rating) to the pipe- 1 set;</p> <p>3. Cable for RTD: RTD input with minimum 12 ft. of ATEX/IECEX Flameproof cable- 1 no.;</p> <p>4. 5-way Valve manifold of SS316 MOC- 1 no.;</p> <p>5. Orifice plate assembly: 1 set containing 1 no. of 2 inch Orifice Plate (MOC:SS316), 2 nos. of 2 inch 300# RTJ SS flange with SS Ring Gasket & SS nut-bolts as required;</p> <p>6. Mounting bracket for 2 inch pipe - 1 set;</p> <p>7. SS Tag plate - 1 no.;</p> <p>8. Flame proof double compression SS cable gland (½ inch) - 2 nos.</p> <p>Note:</p> <p>a) The flow indicated should be temperature & pressure compensated at base temperature 15 degC and base pressure 1.03323 kg/cm2a.</p> <p>b) The flow measurement should be as per AGA3 & AGA8 standard.</p>		
20 99046464	<p>GENERAL</p> <p>Function: Transmitter</p> <p>Range: 0-50 Kg/Sq.cm</p> <p>Case: MFR STD</p> <p>Mounting: 2 inch stand pipe</p> <p>Enclosure class: Weather Proof (NEMA 4 & IP-65)</p> <p>Elec. Area classification: Division 1&2, Class I, Group C&D hazardous area.</p> <p>Intrinsically safe: Yes</p> <p>Lightning protection: Required</p> <p>Accuracy: +/- 0.075% of span</p> <p>Turndown ratio: 100: 1</p> <p>Response time: 250 msec or less</p> <p>Process data: Fluid - Natural gas</p> <p>Operating Temperature: 0 to 50 Degree C</p> <p>Humidity: 5 to 95% RH, Non condensing</p> <p>Electrical connection: 1/2 inch NPT (F)</p> <p>TRANSMITTER</p> <p>Type: Micro-Processor based, SMART</p> <p>Power supply: 16 to 48 VDC (24 VDC normal)</p> <p>Transmitter output: 4 to 20 mA with super imposed digital signal</p> <p>Accessing protocol: HART</p> <p>Span & Zero adjustment: To be provided on the body</p> <p>Indicator: 4½ digit LCD display with front facia capability for programming in any engineering units</p> <p>ELEMENT</p>	10	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	Service: Gauge pressure Sensing: Capacitance/ Piezoresistive or equivalent Material: 316 SS Over range protection to: 150% of full range Process connection: 1/2 inch NPT (F) ACCESSORIES FOR EACH TRANSMITTER: Mounting bracket for 2 inch pipe - 1 No SS Tag plate - 1 No Flame proof double compression SS cable gland - 1 No (½ inch)		

Standard Notes: 1.0 Items shall be brand new, unused & of prime quality. Bidders shall warrant (in the event of order) that the items will be free from all defects & fault in material, workmanship and manufacture and shall be in full conformity with the ordered specification. The defective items, if any, rejected by OIL shall be replaced by the supplier on F.O.R. destination basis at their own expenses including payment of all taxes and duties. Bidders must confirm the same in their quotation.

2.0 Validity of the offer should be 75 days from the date of bid opening. Bid with lesser validity will be rejected.

3.0 Quotation should be submitted in duplicate.

4.0 In the event you authorize your dealer/stockist/channel partner to quote on your behalf, the dealer/stockist/channel partner while submitting bid should mention on the body of the envelope that they are submitting bid on your behalf and a copy of Authorisation letter issued by you is also to be submitted alongwith the bid. In the authorisation letter, it is to be clearly mentioned that you are authorising your dealer/stockist/channel partner to quote on your behalf against the tender (Tender no should be clearly mentioned)

In the event the dealer/stockist/channel partner do not mention the name of their OEM/principal on the body of the envelope and fail to submit Authorisation Letter, the offer shall be treated as unsolicited offer and will not be considered for opening.

The dealer/stockist/channel partner should take note of above while submitting bid on behalf of their OEM/principal.

Further, the authorised dealer should submit a copy of valid dealership certificate from their OEM.

5.0 Bidders are to quote for Unit Material value as per tender requirement, Packing/Forwarding Charges (if any), Taxes & Duties as applicable, Transportation charges etc. upto OIL's Thaiyat-Hamira Stores which is 25 KM (approx.) from Jaisalmer, Payment Terms, Delivery Period, Net Weight, Gross Weight & Volume **(For Item No. 10 & 20 Separately)** in their offer.

Comparison of offers will be done on Total F.O.R Destination Basis for Item No. 10 & 20 Separately as above.

6.0 To evaluate the inter-se-ranking of the offers, Rajasthan Entry Tax on purchase value will

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be loaded as per prevailing Govt. of Rajasthan guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

However, payment of applicable Rajasthan Entry Tax on purchase value shall be to OIL's Account.

7.0 For order with F.O.R. Destination term, 100% payment against dispatch document will not be entertained. In this regards please refer payment terms in ANNEXURE - MM/TENDER/LP/01/06.

Bidders are advised to take note of this while mentioning payment term.

8.0 Please consider bid closing/opening time as at 15:00 hrs (IST). You are advised to ignore the timing of 13:00 hrs (IST), appearing in the covering page of the tender document.

9.0 The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

10.0 Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

11.0 Original signed offer should be submitted in sealed envelope. No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.

12.0 Bids containing incorrect statement will be rejected.

13.0 Bids shall have no interlineations, erasures or overwriting except as necessary to correct the errors made by the bidder, in which case, such corrections shall be initiated by the person(s) signing the bid. Any bid not meeting this requirement shall be rejected.

14.0 PURCHASE PREFERENCE : Purchase Preference will be applicable as per latest Govt. Guidelines. Bidders to take note of the same and quote accordingly. It is the bidder's responsibility to submit necessary documents from the Competent Authority to establish that they are eligible for purchase preference against this tender.

15.0 PRICE PREFERENCE : Price Preference will be applicable as per latest Govt. Guidelines. Bidders to take note of the same and quote accordingly. It is the bidder's responsibility to submit necessary documents from the Competent Authority to establish that they are eligible for price preference against this tender.

16.0 The offer should reach within the Bid Closing Date & Time addressed to:

CHIEF MANAGER (M&C)
OIL INDIA LIMITED
RAJASTHAN PROJECT
M&C DEPARTMENT
02-A SARASWATI NAGAR, BASNI
DISTRICT SHOPPING CENTRE
JODHPUR - 342005,
RAJASTHAN
INDIA

17.0 Contact details of dealing officer:

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KRISHNA MOHAN KUMAR
 MATERIALS MANAGER
 PHONE- 0291-2729-473
 EMAIL: km_kumar@oilindia.in

Other terms and conditions of the tender shall be as per General Terms and Conditions vide booklet MM/TENDER/LP/01/06, copy enclosed. However, if any of the Clauses of the tender stipulated above contradict the Clauses of the booklet MM/TENDER/LP/01/06 elsewhere, those in this tender document shall prevail.

- Special Notes :**
1. Each item & its accessories must be new and of prime quality. The items & its accessories must be suitable for use in ambient temperature ranging from (-)10 degC to 60 degC.
 2. Guarantee / Warranty Certificate valid for at least 18 months from the date of supply or 12 months from the date of receipt at site whichever is earlier should be provided along with the material. The bidder has to provide firm confirmation in this regard.
 3. Other than OEM, party must provide a copy of valid Letter of Authorization Certificate from OEM along with the offer, failing which offer may be liable for rejection.
 4. Bidder must provide technical specifications in tabular format against each item for ease of scrutiny with supporting product catalogue.
 5. A set of Operation / Maintenance manual for each item must be provided along with the material.
 6. Test and calibration certificate for each item must be provided along with the material.
 7. All the items are to be approved by DGMS (Directorate General of Mines Safety) for use in Zone 1 & Zone 2 hazardous areas of oil mines and the relevant copy of certificates are required to be supplied along with the equipment. The DGMS approval no. shall be affixed or embossed on each piece of equipment. In case DGMS approval is not available during supply, the same shall be supplied with DGMS field trial permission certificate also. The payment for equipment supplied with DGMS field trial permission shall be to the extent of 50% of the cost of the equipment. The balance 50% shall be made on submission of valid DGMS approval. The bidder has to provide firm confirmation in this regard. In case the bidder is not OEM then the confirmation should be provided from OEM.
 8. The bidder has to supply configuration software suitable for the Multivariable Transmitter which is required to change the gas composition parameters or any other parameters from time to time as per requirement by connecting PC/Laptop. However, the bidder is not required to offer HART modem for the same.
 9. Packing must be adequate to avoid damages during transit.
 10. Any manufacturing defect / transit damage observed after receipt of the material or any item rejected by OIL after receiving at site must be replaced within a short period of time by the bidder without any extra cost to OIL.
 11. The bidder must be ready to attend & replace any defective item during the Guarantee / Warranty period within a short period of time without any extra cost to OIL.

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Bid Closing On : 27.12.2016 at 13:00 hrs.(IST)
Bid Opening On : 27.12.2016 at 13:00 hrs.(IST)

Tender issued to following parties only:

Sln0	V_Code	Vendor Name	City/Country
1	204316	EMERSON PROCESS MANAGEMENT (I) PVT.	Haryana
2	204792	ABB LIMITED	FARIDABAD
3	205113	BAUMER TECHNOLOGIES INDIA PRIVATE L	KOLKATA
4	207862	PRECISION MASS PRODUCTS PVT. LTD.	CHHTRAL
5	208575	HONEYWELL AUTOMATION INDIA LTD	PUNE
6	209186	YOKOGAWA INDIA LTD.	NEW DELHI
7	209360	A.N. INSTRUMENTS PVT. LTD	BARODA
8	209862	YOKOGAWA INDIA LIMITED	VADODARA
9	211048	AAKANKSHA ENTERPRISES	BHILWARA
10	400755	EMERSON PROCESS MANAGEMENT (I) PVT.	NAVI MUMBAI