

OIL INDIA LIMITED

(A Government of India Enterprise)
Pipeline HQ, Narangi
Guwahati-781171, Assam

CORRIGENDUM

Addendum No. 01 dated 12.2.2016 to Tender No. SGI9946P16

This Amendment no. 1 dated 12.2.2016 to tender no. SGI9946P16 has been issued to amend the following –

(i) ANNEXURE -1A has been revised as ANNEXURE–1A(REVISED).

All other terms and conditions of the tender remain unchanged.

Regards
OIL INDIA LIMITED

Sd/-
(BIMAL BORA)
DY. MANAGER MATERIALS (PL & CoEES)
FOR GENERAL MANAGER (PLS)

ANNEXURE IA(Revised)

Tender No. SGI9946P16 Dated: 20.01.2015

TECHNICAL SPECIFICATIONS OF INTRINSIC SAFE MULTIFUNCTION CALIBRATORS:

Item srl no	Material Description	Quantity	Unit
10	<p>SPECIFICATIONS OF THE INTRINSICALLY SAFE MULTIFUNCTION CALIBRATOR:</p> <ol style="list-style-type: none">1. The offered calibrator should be suitable for use in hazardous areas. Relevant certificate from the competent authority (such as CCOE/ ATEX or equivalent) has to be submitted in this regard along with the bid.2. The offered Multifunction calibrator must have two channels (one channel for measuring electrical signals and one channel for sourcing electrical signals). These two channels shall be independent and the values of both channels should be available on display simultaneously.3. The calibrator shall be able to calibrate devices with electrical parameter of dc current, dc voltage, resistance, RTDs, Thermocouple and frequency.4. The calibrator shall have provision of connecting leads with 4 mm banana connector, should have provision for connecting bare wire to the calibrator and direct thermocouple input connector for making connections during calibration / testing.5. The calibrator should have built in loop supply for energizing transducers etc. No separate loop supply shall be required for calibration/testing.6. The calibrator should have standard facilities such as Hold, Zero, Scale, Minimum Value, Maximum Value and Average Value in span of measurement.7. The calibrator should have automatic ramp / step function with programmable time and step values.8. The calibrator shall be rechargeable battery operated suitable for hazardous area.9. The calibrator shall have measurement function as per following specifications. <p>(i) DC Voltage</p> <p>a) DC Milli Voltage : Range: 0 to 90mV</p>	1	NO

<p>Accuracy: +/- 0.02% or better Resolution: 0.01mV or better</p> <p>b) DC Voltage: Range : 0 to 30 V Accuracy: +/- 0.02% or better Resolution: 0.001V or better</p> <p>ii) DC Current Measurement: Range : 0-20 mA (passive loop), 0-20mA (active loop) Accuracy: +/- 0.02% or better Resolution: 0.01 mA</p> <p>iii) Frequency Measurement: Frequency Measurement: Range : 2 CPM to 5 KHz (minimum) Accuracy: +/- 0.05% or better</p> <p>iv) Resistance Measurement: Range : 0 to 3000 ohms Resolution: 0.01 ohms or better</p> <p>(v) Temperature Measurement: Calibrator shall accept all types of RTD inputs (2, 3 and 4 wire) and Thermocouples.</p> <p>Accuracy: 0.5 °C or higher for RTDs 1.4 ° C or higher for Thermocouple</p> <p>10) The calibrator shall have source and simulation function as per following specifications.</p> <p>i) DC voltage output: Range : 0 to 10 V Accuracy: +/- 0.02% or better Resolution : 0.001 V or better</p> <p>ii) DC Current output: Range : 0 - 20 mA Accuracy: +/- 0.02% or better Resolution : 0.01mA or better</p> <p>iii) Resistance source: Range : 0 to 3000 ohms</p>		
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	<p>Resolution : 0.01 ohm or better</p> <p>iv) Frequency Sourcing: Range : 2 CPM to 5 KHz(Minimum) Accuracy: +/- 0.05% or better</p> <p>v) Temperature Sourcing:</p> <p>a. For all types of RTD's, with automatic 2, 3 and 4-wire selection</p> <p>b. For all types of Thermocouples with internal and external ambient temperature compensation.</p> <p>11. Sealing: IP65 or above</p> <p>12. Calibrator shall be powered with rechargeable batteries and should power continuously for at least 4 hours in read mode</p> <p>13 The supplier shall supply a suitable battery charger to charge the rechargeable batteries externally.</p> <p>14.Required test leads, female/male connectors and standard accessories shall be supplied along with the main equipment</p> <p>15. One pair of extra test leads and one No. additional spare battery for each calibrator to be supplied as spare.</p> <p>16. Bidder shall supply technical manual for maintenance and operation purpose.</p> <p>17. The bidder shall indicate in their offer facilitates for repairing and calibrating these meters in India, in case of any technical fault.</p> <p>18. The calibrator shall have suitable software for communicating with PC.</p> <p>19. Readout: Dual readout i.e. Measure and Source.</p> <p>20. Display: The calibrator should have numeric LCD display with backlight..</p> <p>21. Casing: The equipment should have suitable hard carrying case.</p> <p>22. Calibrator must have Built-in Universal HART Communicator Feature.</p> <p>23. Should be capable to Configure and communicate with All HART Transmitter/ Field Devices.</p> <p>24. Calibrator must have Built-in or provision for connecting external loop resistor.</p> <p>25. Calibrator must have provision to upgrade the HART DD Files.</p>		
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	<p>26. NOTES:</p> <p>i) Operation & maintenance manual shall be provided by the selected bidder. Detailed programming, calibration and troubleshooting procedures shall be provided in the manual.</p> <p>ii) Warranty: Bidder shall provide a minimum warranty period of twelve months from the date of commissioning or eighteen months from the date of supply.</p> <p>iii) In case of more than one model of digital calibrator, it shall be mentioned as optional of the main item.</p> <p>iv) Price break-up of every item/accessories, mentioned in the quotation shall be provided.</p> <p>v) Vendor shall attach a list, summing up all the deviations, if any, from indenter's data sheet. The vendor shall provide compliance statement for every point serially as mentioned in the specification. Reason for any deviation shall also be provided by the vendor wherever possible.</p> <p>vi) Vendor shall enclose catalogues /detail specification sheet, encompassing all the above points for the calibrator covered in the bid. Documentary proof regarding the above shall be submitted along with the bid.</p> <p>vii) Vendor shall be the manufacturer / authorized supplier for the calibrator mentioned in the bid. Authorized dealers shall submit duly signed authorized dealership certificate along with offers failing which offer shall not be considered for evaluation.</p> <p>viii) Vendor shall make his offer in detail, with respect to every item of the indenter's specifications. Any offer not conforming to this shall be summarily rejected at any stage.</p>		
20	Same as 10	1	NO
30	Same as 10	1	NO
40	Same as 10	1	NO
50	Same as 10	1	NO
60	Same as 10	1	NO
70	Same as 10	1	NO

80	Same as 10	1	NO
90	Same as 10	1	NO
100	Same as 10	1	NO
110	Same as 10	1	NO
120	Same as 10	1	NO
130	Same as 10	1	NO

BID REJECTION / EVALUATION CRITERIA:

Standard BEC/ BRC will be applicable