



ऑयल इंडिया लिमिटेड  
( भारत सरकार का उद्यम )

**Oil India Limited**  
(A Government of India Enterprise)

Conquering Newer Horizons

**MATERIALS DEPARTMENT**

**P.O. DULIAJAN - 786 602**

**DIST. DIBRUGARH**

**ASSAM, INDIA**

**PHONE: 0374 - 2808613**

**FAX: 0374 - 2800533**

**EMAIL:**

**manisha\_agarwal@oilindia.in**

## **FORWARDING LETTER**

M/s \_\_\_\_\_  
\_\_\_\_\_

**Sub: Tender No. SDH5400P21/04 Dated 12.10.2020 for PROCUREMENT OF PORTABLE HANDHELD DIGITAL EXPLOSIMETER/MULTIGAS DETECTOR.**

Dear Sirs,

- 1.0 **OIL INDIA LIMITED (OIL)**, a “Navaratna” Category, Government of India Enterprise, is a premier Oil Company engaged in exploration, production and transportation of crude oil & natural gas with its Headquarters at Duliajan, Assam. Duliajan is well connected by Air with nearest Airport being at Dibrugarh, 45 km away.
- 2.0 In connection with its operations, OIL invites Local Competitive Bids (LCB) from competent and experienced manufacturers through OIL’s e-procurement site for subject mentioned item One complete set of Bid Document for above is uploaded in OIL’s e-procurement portal. You are invited to submit your most competitive bid on or before the scheduled bid closing date and time through OIL’s e-procurement portal. For your ready reference, few salient points of the Tender are highlighted below:

E-Tender No	:	<b>SDH5400P21/04 Dated 12.10.2020</b>
Type of Bidding	:	<b>SINGLE STAGE COMPOSITE BID SYSTEM</b>
Tender Fee	:	NOT APPLICABLE
Bid Closing Date & Time	:	<b>02.12.2020; 11:00 HRS.</b>
Technical Bid Opening Date & Time	:	<b>02.12.2020; 14:00 HRS.</b>
Price Bid Opening Date & Time	:	<b>02.12.2020; 14:00 HRS.</b>
Bid Security Amount	:	<b>INR 43,060.00 OR USD 585.00</b>
Bid Security Validity	:	Minimum Up to <b>31.05.2021</b>
Bid Submission Mode	:	Bids must be uploaded online in OIL’s E-procurement portal
Bid Opening Place	:	Office of CGM-Materials, Materials Department, Oil India Limited, Duliajan -786602, Assam, India.
Bid Validity	:	Bid should be valid for <b>90 days</b> from actual bid closing date.
Original Bid Security to be submitted	:	Office of CGM-Materials, Materials Department, Oil India Limited, Duliajan -786602, Assam, India.

Performance Guarantee	:	<b>Applicable @ 10% of Order value.</b> The order value shall be considered excluding taxes and duties.
Integrity Pact	:	<b>Not Applicable</b>
Contact Details	:	MANISHA AGARWALA, MATERIALS MANAGER(FD) E-MAIL:MANISHA_AGARWAL@OILINDIA.IN; PHN: 0374-2808613
E-Tender technical Support	:	TEL: 0374- 2804903, 2807171, 2807192, E-MAIL: <a href="mailto:ERP_MM@OILINDIA.IN">ERP_MM@OILINDIA.IN</a>
Bids to be addressed to	:	CGM-Materials, Materials Department, Oil India Limited, Duliajan -786602, Assam, India.

#### **LIST OF ANNEXURES APPLICABLE**

Heading	:	Particulars
General Terms & Conditions	:	MM/LOCAL/E-01/2005 for E-Procurement of LCB Tenders
Annexure-A	:	Tender Specification and various notes to bidders
Annexure-B	:	Bid Evaluation & Rejection Criteria
Annexure-C	:	Commercial Checklist
Appendix-A3	:	Format of undertaking by Bidders towards submission of authentic information/documents
Annexure-D	:	Format for certificate of annual turnover & net worth
Others	:	Any other document uploaded online in OIL's E-procurement portal.

3.0 OIL now look forward to your active participation in the Tender.

Thanking you,  
Yours faithfully,  
OIL INDIA LIMITED

sd/-  
(MANISHA AGARWALA)  
Materials Manager (FP)  
For CGM Materials  
For Resident Chief Executive

**AA:: TECHNICAL SPECIFICATIONS & QUANTITY OF ITEMS**

Item No.	ITEM DESCRIPTION	QUANTITY
10	<p>Portable Handheld Combustible (LEL) Gas Detector with digital indications and alarms and in-built suction pump for sampling.</p> <ol style="list-style-type: none"> <li>1. Make: Bidder to specify</li> <li>2. Model: Bidder to specify</li> <li>3. Type: Instrument must be Portable, Hand-held.</li> <li>4. Size &amp; Weight: Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation</li> <li>5. Case Material: Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.</li> <li>6. Instrument Pump: Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia</li> <li>7. Type of Sensors: <ol style="list-style-type: none"> <li>(a) Catalytic Sensor &amp; Plug-in type for Combustible gases.</li> </ol> </li> <li>8. Display of Gases: Combustible Gases (LEL).</li> <li>9. Measuring Specifications: <ol style="list-style-type: none"> <li>a) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%</li> <li>b) Typical Response Time &lt;= 30 Seconds</li> <li>c) Accuracy: +/- 2% measured value</li> </ol> </li> <li>10. User Interfaces: <ol style="list-style-type: none"> <li>a) Display Type: Liquid Crystal (LCD) type display with simultaneous %LEL and %V/V values as applicable.</li> <li>b) The system should equipped with backlight facility</li> <li>c) Keypad / Switches: One-button operation to activate the detector</li> <li>d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms</li> </ol> <p>Alarms: Two levels of alarms, TWA, STEL for each gas sensed.</p> <ol style="list-style-type: none"> <li>e) Alarm Set Point: Adjustable over the measuring range</li> <li>(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.</li> <li>(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.</li> </ol> </li> <li>11. Instrument Power: <ol style="list-style-type: none"> <li>a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack</li> <li>b) Run Time &gt;= 12 Hours in normal operation</li> <li>c) Charging Time =&lt; 8 Hours.</li> </ol> </li> <li>12. Chargeable Option: 110 - 240 VAC, 50 Hz</li> <li>13. Data Logging: <ol style="list-style-type: none"> <li>(a) Instrument should have all events &amp; occurrences recoding Facility.</li> <li>(b) Should have inbuilt data storage facility.</li> <li>(c)Data must be compatible for download to PC.</li> </ol> </li> <li>14. Hazardous area application: Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3</li> <li>15. Operating Temperature: - 20 Deg. C to + 50 Deg. C</li> </ol>	<b>20 NOS.</b>

	<p>16. Ingress Protection: IP 66/67  17. Humidity: 20 to 95% R.H. (non-condensing) continuous.  18. Calibration:  (a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.  (b) The equipment shall have zero and span adjustment facility for calibration with standard gases.  (c) No additional software shall require for calibration.  19. Attachment &amp; Accessories:  (a) Carrying case with shoulder strap with each instrument.  (b) Rechargeable battery along with battery charger with each instrument.  (c) One spare filter shall be supplied with each instrument.  (d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.  (e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.</p>	
20	<p>Portable Handheld Combustible (LEL) Gas, Oxygen (O<sub>2</sub>) Gas, Carbon Monoxide (CO) Gas and Hydrogen Sulphide (H<sub>2</sub>S) Gas detector (Multigas) with digital indications and alarms and in-built suction pump for sampling.</p> <ol style="list-style-type: none"> <li>1. Make: Bidder to specify</li> <li>2. Model: Bidder to specify</li> <li>3. Type: Instrument must be Portable, Hand-held.</li> <li>4. Size &amp; Weight: Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation</li> <li>5. Case Material: Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.</li> <li>6. Instrument Pump: Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia</li> <li>7. Type of Sensors: <ol style="list-style-type: none"> <li>(a) Electrochemical sensors &amp; Plug-in type for H<sub>2</sub>S, CO, O<sub>2</sub> gases.</li> <li>(b) Catalytic Sensor &amp; Plug-in type for Combustible gases.</li> </ol> </li> <li>8. Display of Gases: On a single screen of the gas detector, continuous monitoring for Hydrogen Sulphide (H<sub>2</sub>S), Carbon Monoxide (CO), Oxygen (O<sub>2</sub>) and Combustible Gases (LEL).</li> <li>9. Measuring Specifications: <ol style="list-style-type: none"> <li>a) Hydrogen Sulphide -H<sub>2</sub>S: Range 0 - 100 ppm (Min), Resolution 1 ppm</li> <li>b) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%</li> <li>c) Carbon Monoxide- CO (H<sub>2</sub> Resistance): 0 - 500 ppm (Min), Resolution 1 ppm</li> <li>d) Oxygen- O<sub>2</sub>: 0 - 25 % by Vol. (Min), Resolution 0.1%</li> <li>e) Typical Response Time &lt;= 30 Seconds</li> <li>f) Accuracy: +/- 2% measured value</li> </ol> </li> <li>10. User Interfaces: <ol style="list-style-type: none"> <li>a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts for each gas monitored in ppm, %LEL and %V/V values as applicable.</li> <li>b) The system should equipped with backlight facility</li> </ol> </li> </ol>	<b>04 Nos.</b>

	<p>c) Keypad / Switches: One-button operation to activate the detector</p> <p>d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms</p> <p>Alarms: Two levels of alarms, TWA, STEL for each gas sensed.</p> <p>e) Alarm Set Point: Adjustable over the measuring range</p> <p>(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.</p> <p>(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.</p> <p>11. Instrument Power:</p> <p>a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack</p> <p>b) Run Time <math>\geq</math> 12 Hours in normal operation</p> <p>c) Charging Time <math>\leq</math> 8 Hours.</p> <p>12. Chargeable Option: 110 - 240 VAC, 50 Hz</p> <p>13. Data Logging:</p> <p>(a) Instrument should have all events &amp; occurrences recording Facility.</p> <p>(b) Should have inbuilt data storage facility.</p> <p>(c) Data must be compatible for download to PC.</p> <p>14. Hazardous area application: Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3</p> <p>15. Operating Temperature: - 20 Deg. C to + 50 Deg. C</p> <p>16. Ingress Protection: IP 66/67</p> <p>17. Humidity: 20 to 95% R.H. (non-condensing) continuous.</p> <p>18. Calibration:</p> <p>(a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.</p> <p>(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.</p> <p>(c) No additional software shall require for calibration.</p> <p>19. Attachment &amp; Accessories:</p> <p>(a) Carrying case with shoulder strap with each instrument.</p> <p>(b) Rechargeable battery along with battery charger with each instrument.</p> <p>(c) One spare filter shall be supplied with each instrument.</p> <p>(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.</p> <p>(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.</p>	
30	<p>Portable Handheld Combustible (LEL) Gas, Hydrogen Sulphide(H<sub>2</sub>S) Gas, Sulphur Dioxide(SO<sub>2</sub>) Gas, Carbon Monoxide (CO) Gas, Oxygen (O<sub>2</sub>) Gas Detector (Multigas) with digital indications and alarms and in-built suction pump for sampling.</p> <p>1. Make: Bidder to specify</p> <p>2. Model: Bidder to specify</p> <p>3. Type: Instrument must be Portable, Hand-held.</p> <p>4. Size &amp; Weight: Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation</p> <p>5. Case Material: Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.</p> <p>6. Instrument Pump: Unit must have integrated pump with pump</p>	<b>01 No.</b>

filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia

7. Type of Sensors:

(a) Electrochemical sensors & Plug-in type for H<sub>2</sub>S, SO<sub>2</sub>, CO, O<sub>2</sub> gases.

(b) Catalytic Sensor & Plug-in type for Combustible gases.

8. Display of Gases: On a single screen of the gas detector, continuous monitoring for Hydrogen Sulphide (H<sub>2</sub>S), Sulphur Dioxide (SO<sub>2</sub>), Carbon Monoxide (CO), Oxygen (O<sub>2</sub>) and Combustible Gases (LEL).

9. Measuring Specifications:

a) Hydrogen Sulphide -H<sub>2</sub>S: Range 0 - 100 ppm (Min), Resolution 1 ppm

b) Sulphur Dioxide-SO<sub>2</sub>: Range 0-100 ppm (Min), Resolution 1 ppm

c) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%

d) Carbon Monoxide- CO (H<sub>2</sub> Resistance): 0 - 500 ppm (Min), Resolution 1 ppm

e) Oxygen- O<sub>2</sub>: 0 - 25 % by Vol. (Min), Resolution 0.1%

f) Typical Response Time <= 30 Seconds

g) Accuracy: +/- 2% measured value

10. User Interfaces:

a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts for each gas monitored in ppm, %LEL and %V/V values as applicable.

b) The system should be equipped with backlight facility

c) Keypad / Switches: One-button operation to activate the detector

d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms

Alarms: Two levels of alarms, TWA, STEL for each gas sensed.

e) Alarm Set Point: Adjustable over the measuring range

(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.

(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.

11. Instrument Power:

a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack

b) Run Time >= 12 Hours in normal operation

c) Charging Time =< 8 Hours.

12. Chargeable Option: 110 - 240 VAC, 50 Hz

13. Data Logging:

(a) Instrument should have all events & occurrences recording Facility.

(b) Should have inbuilt data storage facility.

(c) Data must be compatible for download to PC.

14. Hazardous area application: Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3

15. Operating Temperature: - 20 Deg. C to + 50 Deg. C

16. Ingress Protection: IP 66/67

17. Humidity: 20 to 95% R.H. (non-condensing) continuous.

18. Calibration:

(a) The Gas Detector shall have inbuilt calibration facility through

	<p>keypad button with auto-zero capability.</p> <p>(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.</p> <p>(c) No additional software shall require for calibration.</p> <p>19. Attachment &amp; Accessories:</p> <p>(a) Carrying case with shoulder strap with each instrument.</p> <p>(b) Rechargeable battery along with battery charger with each instrument.</p> <p>(c) One spare filter shall be supplied with each instrument.</p> <p>(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.</p> <p>(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.</p>	
40	<p>Portable Handheld Combustible (LEL) Gas and Hydrogen Sulphide(H<sub>2</sub>S) Gas detector (Multigas) with digital indications and alarms and in-built suction pump for sampling.</p> <ol style="list-style-type: none"> <li>1. Make: Bidder to specify</li> <li>2. Model: Bidder to specify</li> <li>3. Type: Instrument must be Portable, Hand-held.</li> <li>4. Size &amp; Weight: Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation</li> <li>5. Case Material: Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.</li> <li>6. Instrument Pump: Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia</li> <li>7. Type of Sensors: <ol style="list-style-type: none"> <li>(a) Electrochemical sensors &amp; Plug-in type for H<sub>2</sub>S</li> <li>(b) Catalytic Sensor &amp; Plug-in type for Combustible gases.</li> </ol> </li> <li>8. Display of Gases: On a single screen of the gas detector, continuous monitoring for Hydrogen Sulphide (H<sub>2</sub>S) and Combustible Gases(LEL).</li> <li>9. Measuring Specifications: <ol style="list-style-type: none"> <li>a) Hydrogen Sulphide -H<sub>2</sub>S: Range 0 - 100 ppm (Min), Resolution 1 ppm</li> <li>b) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%</li> <li>c) Typical Response Time &lt;= 30 Seconds</li> <li>d) Accuracy: +/- 2% measured value</li> </ol> </li> <li>10. User Interfaces: <ol style="list-style-type: none"> <li>a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts for each gas monitored in ppm, %LEL and %V/V values as applicable.</li> <li>b) The system should equipped with backlight facility</li> <li>c) Keypad / Switches: One-button operation to activate the detector</li> <li>d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms</li> </ol> <p>Alarms: Two levels of alarms, TWA, STEL for each gas sensed.</p> <ol style="list-style-type: none"> <li>e) Alarm Set Point: Adjustable over the measuring range</li> <li>(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.</li> <li>(g) Over Limit Exposure Protection: For exposures above the</li> </ol> </li> </ol>	<b>12 Nos.</b>

	<p>instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.</p> <p>11. Instrument Power:</p> <p>a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack</p> <p>b) Run Time <math>\geq</math> 12 Hours in normal operation</p> <p>c) Charging Time <math>\leq</math> 8 Hours.</p> <p>12. Chargeable Option: 110 - 240 VAC, 50 Hz</p> <p>13. Data Logging:</p> <p>(a) Instrument should have all events &amp; occurrences recoding Facility.</p> <p>(b) Should have inbuilt data storage facility.</p> <p>(c) Data must be compatible for download to PC.</p> <p>14. Hazardous area application: Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3</p> <p>15. Operating Temperature: - 20 Deg. C to + 50 Deg. C</p> <p>16. Ingress Protection: IP 66/67</p> <p>17. Humidity: 20 to 95% R.H. (non-condensing) continuous.</p> <p>18. Calibration:</p> <p>(a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.</p> <p>(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.</p> <p>(c) No additional software shall require for calibration.</p> <p>19. Attachment &amp; Accessories:</p> <p>(a) Carrying case with shoulder strap with each instrument.</p> <p>(b) Rechargeable battery along with battery charger with each instrument.</p> <p>(c) One spare filter shall be supplied with each instrument.</p> <p>(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.</p> <p>(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.</p>	
50	<p>Portable Handheld Combustible (LEL) Gas and Hydrogen Sulphide(H<sub>2</sub>S) Gas detector (Multigas) with digital indications and alarms and in-built suction pump for sampling.</p> <p>1. Make: Bidder to specify</p> <p>2. Model: Bidder to specify</p> <p>3. Type: Instrument must be Portable, Hand-held.</p> <p>4. Size &amp; Weight: Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation</p> <p>5. Case Material: Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.</p> <p>6. Instrument Pump: Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia</p> <p>7. Type of Sensors:</p> <p>(a) Electrochemical sensors &amp; Plug-in type for H<sub>2</sub>S</p> <p>(b) Catalytic Sensor &amp; Plug-in type for Combustible gases.</p> <p>8. Display of Gases: On a single screen of the gas detector, continuous monitoring for Hydrogen Sulphide (H<sub>2</sub>S) and Combustible Gases(LEL).</p> <p>9. Measuring Specifications:</p>	<b>06 Nos.</b>



	<p>a) Hydrogen Sulphide -H<sub>2</sub>S: Range 0 - 100 ppm (Min), Resolution 1 ppm</p> <p>b) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%</p> <p>c) Typical Response Time &lt;= 30 Seconds</p> <p>d) Accuracy: +/- 2% measured value</p> <p>10. User Interfaces:</p> <p>a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts for each gas monitored in ppm, %LEL and %V/V values as applicable.</p> <p>b) The system should be equipped with backlight facility</p> <p>c) Keypad / Switches: One-button operation to activate the detector</p> <p>d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms</p> <p>Alarms: Two levels of alarms, TWA, STEL for each gas sensed.</p> <p>e) Alarm Set Point: Adjustable over the measuring range</p> <p>(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.</p> <p>(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.</p> <p>11. Instrument Power:</p> <p>a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack</p> <p>b) Run Time &gt;= 12 Hours in normal operation</p> <p>c) Charging Time =&lt; 8 Hours.</p> <p>12. Chargeable Option: 110 - 240 VAC, 50 Hz</p> <p>13. Data Logging:</p> <p>(a) Instrument should have all events &amp; occurrences recording Facility.</p> <p>(b) Should have inbuilt data storage facility.</p> <p>(c) Data must be compatible for download to PC.</p> <p>14. Hazardous area application: Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3</p> <p>15. Operating Temperature: - 20 Deg. C to + 50 Deg. C</p> <p>16. Ingress Protection: IP 66/67</p> <p>17. Humidity: 20 to 95% R.H. (non-condensing) continuous.</p> <p>18. Calibration:</p> <p>(a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.</p> <p>(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.</p> <p>(c) No additional software shall be required for calibration.</p> <p>19. Attachment &amp; Accessories:</p> <p>(a) Carrying case with shoulder strap with each instrument.</p> <p>(b) Rechargeable battery along with battery charger with each instrument.</p> <p>(c) One spare filter shall be supplied with each instrument.</p> <p>(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.</p> <p>(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.</p>	
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**BB :: SPECIAL NOTES TO BIDDERS**

Bidder to comply with/ confirm in writing against each of the following Special Terms & Conditions along with the bid as per requirement of the respective term and condition . Moreover, bidder also must provide the necessary documents along with the bid or along with the materials as mentioned in these Special Terms & Conditions. Accordingly please furnish the filled-up checklist given here-under:

Sl no.	Special Terms & conditions	Complied/ Confirmed (Yes/No)	document no./ Doc. Ref. no/ Annexure no. of the doc. etc. vide which it is compiled /confirmed (for easy identification of the relevant document)
a	Hazardous area application: Item shall be of a type and specification conforming to the relevant standards as specified in the Regulation 107(2) of Oil Mines Regulation-2017 and complying the provisions therein. Bidder has to confirm the same in writing during submission of bid.		
b	In relation to point no. (a)above, Bidder should supply documents specifying the type, details of specification, reference of the particular standard, test criteria as per the standards and status of testing, place of testing, copies of test reports from Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body which is not a part of manufacture's facilities along with the materials. Bidder to confirm the same in writing during submission of bid.		
	However, Bidder must supply copy of such certificate along with the bid.		
c	The offer should be submitted in a tabular form specifying the specification against NIT specifications for each point and indicating deviation if any. Offer in any other form will not be acceptable.		
d	Product catalogue / Literature of the offered model must be provided along with the offer.		
e	Bidder must indicate the Year of launch of the offered models. Obsolete products/models will not be considered for evaluation. A declaration in this regard to be provided along with the bid.		
f	The bidder should state the address of their service centre in India for the offered items along with the bid. Bids from bidders having their service centre for the offered items in India will only be considered for evaluation. The bidder must submit proof in this regard along with the bid.		

g	Guarantee / Warranty Certificate (for each instrument) valid at least for a period of 18 months from the date of dispatch or 12 months from the date of receipt at destination, whichever is earlier should be provided along with the materials. Bidder has to confirm the same in writing during submission of bid.		
h	Calibration Certificate, Instruction Manual complete in all respect containing the calibration procedure for each instrument should be provided along with the materials. Bidder has to confirm the same in writing during submission of bid.		
i	Materials will not be accepted if any manufacturing defects / transit damages observed after receipt of the materials. Bidder to replace/rectify the same within a short period of time for acceptance.		

**CC:: GENERAL NOTES TO BIDDERS:**

Sl No	Clause description
1.0	This Tender has been floated for participation of Indigenous (Indian) bidders only. Hence, only Indigenous bidders are eligible to participate against this tender. Consortiums/Joint venture entities are not eligible to participate against this tender.
2.0	Tender fee is not applicable against this tender.
3.0	<p><b>Submission of Bid Security/EMD/Performance Bank Guarantee – Must be paid either through NEFT/RTGS or online mode or Submission of Bank Guarantee/LC only. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.</b></p> <p>The Bank Guarantee issued by the Bank must be routed through SFMS platform as per following details:</p> <p>(i) MT 760 / MT 760 COV for issuance of Bank Guarantee (ii) MT 760 / MT 767 COV for amendment of Bank Guarantee</p> <p>The above message / intimation shall be sent through SFMS by the BG issuing Bank branch to HDFC Bank, Duliajan Branch, IFS Code – HDFC0002118; SWIFT Code - HDFCINBBCAL.</p> <p>Branch Address: HDFC Bank Limited, Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 786602.</p> <p>b. The vendor shall submit to OIL the copy of the SFMS message as sent by the issuing bank branch along with the original bank guarantee.</p>

4.0	<p>a) Bidders without having E-tender Login ID and Password should complete their online registration at least seven (7) days prior to the scheduled bid closing date and time of the tender. For online registration, Bidder may visit the OIL's E-tender site <a href="https://etender.srm.oilindia.in/irj/portal">https://etender.srm.oilindia.in/irj/portal</a></p> <p>b) Necessary Login ID &amp; Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID &amp; Password and request for bid closing date extension on that plea shall not be entertained by Company.</p> <p>c) Categorisation and various criteria applicable to MSE bidders shall be guided by the Gazette notification no. CG-DL-E-26062020-220191 dated 26.06.2020 issued by Ministry of Micro, Small and Medium Enterprises. The existing enterprises registered under EM-Part-II or UAM till 30th June, 2020 shall continue to be valid only for a period up to the 31st day of March, 2021.</p> <p>The bidder claiming as MSE status (MSE-General, MSE-SC/ST, MSE -Woman) against this tender has to submit following documents for availing the benefits applicable to MSEs:</p> <p>i. Udyam Registration No. with Udyam Registration certificate OR</p> <p>ii. Proof of registration with District Industry Centres or Khadi &amp; Village Industries Commission or Khadi &amp; Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts &amp; Handloom or Udyog Adhar registration or registration with any other body specified by Ministry of MSME.</p> <p>Note: In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ ST entrepreneur/ Woman Entrepreneurs should also be enclosed.</p> <p>d) For availing benefits under Public Procurement Policy (Purchase preference), the interested MSE Bidders must ensure that they are the manufacturers of tendered item(s) and registered with the appropriate authority (as mentioned above) for the said item(s). Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant MSE Certificate issued by appropriate authority specifying the item as per tender. Therefore, it is in the interest of such MSE Vendors to furnish a copy of complete certificate to the concerned tender handling officer of OIL at least seven (7) days prior to the scheduled Bid Closing Date of the tender; seeking clarification/ confirmation as to whether their registered item is eligible for EMD exemption or not. Late communications in this regard and request for bid closing date extension on that plea shall not be entertained by Company.</p> <p>e) Bid Security/EMD/Performance Bank Guarantee- Kindly refer Annexure-A attached.</p>
5.0	<p>The tender will be governed by "General Terms &amp; Conditions" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005-May 2020 for E-Procurement of Indigenous Tenders including Amendments &amp; Addendum to "General Terms &amp; Conditions" for e- Procurement. However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the "General Terms &amp; Conditions" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005-May2020 for E-procurement (LCB</p>

	Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.
6.0	Bid must be submitted online through OIL's e-procurement portal. Bid submitted in any other form will be rejected.
7.0	<p>Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to The Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before 13:00 Hrs (IST) on the Bid Closing Date mentioned in the Tender.</p> <p>a) Original Bid Security.  b) Detailed Catalogue.  c) Any other document required to be submitted in original as per tender requirement.</p> <p>All documents submitted in physical form should be signed on all pages by the authorized signatory of the bidder and to be submitted in triplicate.</p>
8.0	Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time, failing which the offer shall be rejected.

9.0 The tender is invited under **SINGLE STAGE-COMPOSITE BID SYSTEM**. The bidder has to submit both the **“TECHNO-COMMERCIAL UNPRICED BID”** and **“PRICED BID”** through electronic form in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The “Techno-commercial Unpriced Bid” shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab “Notes and Attachments”. Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

**Notes and Attachments**

**Only Price Details Should Be Uploaded**

**Technical attachments**

**All technical bid documents except price details**

Please do refer **“NEW INSTRUCTION TO BIDDER FOR SUBMISSION”** for the above two points and also please refer **“New Vendor Manual (effective from 12.04.2017)”** available in the login Page of the OIL’s E-tender Portal.



Click here for the New Manual & Instruction

10.0 In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that **“TECHNO-COMMERCIAL UNPRICED BID** should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFX Response-> User - > Technical Bid. **No price should be given in above Technical Rfx otherwise the offer will be rejected.** Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFX Response-> User - > Technical Bid only. The **“PRICE BID”** must contain the price schedule and the bidder’s commercial terms and conditions. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under **“Notes & Attachments”**.

11.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

12.0	Please mention clearly in your quotation the Net. Weight, Gross Weight & Volume, Payment Terms, Delivery period etc.
13.0	To ascertain the substantial responsiveness of the bid, OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by OIL, failing which the offer will be summarily rejected.
14.0	Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.
15.0	<p><b>AMENDMENT OF BID DOCUMENTS:</b></p> <p>i) At any time prior to the deadline for submission of bids, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bid Documents through issuance of Corrigendum(s)/Addendum(s).</p> <p>ii) The Corrigendum(s)/ Addendum(s) will be uploaded in OIL's E-Tender Portal in the Tab "Technical Rfx" and under External Area - "Amendments" folder. The Company may, at its discretion, extend the deadline for bid submission. Bidders are expected to take the Corrigendum(s)/ Addendum(s) into account in preparation and submission of their bid. Bidders are to check from time to time the E-Tender portal ["Technical RFX" Tab and under the folder "Amendments"] for any amendments to the bid documents before submission of their bids. No separate intimation shall be sent to the Bidders.</p>
16.0	<p><b>ROAD DESPATCH</b></p> <p>a) In the event of an order other than FOR Destination terms, the material will be required to despatch through OIL's approved transporters (which will be specified in the order) on "Door Delivery" basis. [Note: Sundry Consignment with weight lesser than 03 Tons shall be delivered at OIL's approved transporters godown.</p> <p>b) For orders placed on FOR Destination basis, the material will be required to despatch through reputed Bank approved transporters only on Door Delivery basis. In case OIL is required to collect the material from transporters Godown, extra expenditure incurred thereof will be recovered from the Bidder/seller.</p> <p>c) The SELLER shall ensure with Transport Company the delivery of materials within a reasonable transit period. SELLER shall also obtain from transporter, particulars of Lorry Number, Transporter's Challan Number, destination of lorry (if transshipment is involved), Transporter's Agent at destination, if any, etc. and intimate same to OIL</p>
17.0	<p><b>SHORT SHIPMENTS:</b> Seller should thoroughly check all items in the packing before effecting shipment. If any item(s) are found short packed in sound boxes on examination at project site, Seller shall be responsible to supply short packed items free of charge on receipt of advice from Purchaser. Seller shall also be responsible to bear the import duty levied by Indian Customs on such short-packed items.</p>
18.0	<p>Indian Bidders shall indicate the following in their offer:</p> <p>i) Ex Works unit and total price as per price bid format including packing, forwarding and insurance; all costs as well as duties and taxes paid or payable on components and raw materials incorporated or to be incorporated in the goods, inspection, testing and loading on transport carrier etc.</p> <p>j) The quoted price shall be deemed to be inclusive of all taxes and duties except "Goods and Services Tax" (hereinafter called GST) (i.e. IGST or CGST and SGST/UTGST applicable in case of interstate supply or intra state supply respectively and GST compensation Cess if applicable)</p> <p>k) Built in CIF value of import for raw material and components incorporated or to be incorporated in the goods and included in quoted price. The bidder shall provide description of such material, quantity, rate, value etc.</p>



	l) Inland transportation charges from dispatch point to designated Project Site/dump area/dump yard including loading, unloading of Line Pipes/Bend at Project Site/Warehouse. The prices should be inclusive of all taxes, duties, levies etc.
19.0	The bidder must note that no trans-shipment en route is permitted. However, under exceptional circumstances, trans-shipment maybe allowed with prior consent of OIL. No charges shall be payable for such trans-shipment and consequent handling/storage of the goods.
20.0	The bidders are required to indicate both Ex-works as well as FOR Destination price by road. OIL reserves the right to place order on FOR (despatching station) or FOR (destination) terms. Offered rates should be kept firm through delivery/despatch
21.0	Currency once quoted will not be allowed to be changed. OIL shall not be compensating for any exchange rate fluctuation.
22.0	<b>PACKAGING:</b> The Seller, wherever applicable shall after proper painting, pack and crate all goods for air/road/rail transportation in a manner suitable to tropical humid climatic region in accordance with the internationally accepted practices and in such a manner so as to protect it from damage and deterioration, in transit by air or road or rail and during storage at the storehouse. The Seller shall be held responsible for all damages due to improper packing. The Seller shall ensure sizing or packing of all oversized consignments in such a way that availability
23.0	Other terms and conditions of the tender shall be as per “General Terms & Conditions” for e- Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.
24.0	The original bid security (Amount is mentioned above and also in Rfx Parameters of the tender in OIL's e-portal) should reach us before bid closing date and time of the technical bid. Bid without original Bid Security will be rejected. The bidders who are exempted from submitting the Bid Bond should attach documentary evidence in the Technical RFX Response-> User-> Technical Bid as per General Terms and conditions for Local Tender (MM/LOCAL/E-01/2005-MAY2020). The bid security shall be valid up to <b>31.05.2021</b> .
25.0	Oil India Limited (OIL) has upgraded its E-tender Portal. As part of the new system, the intending bidder must have Encryption Certificate along with Digital Signature Certificate (DSC) of Class III [Organization]. The date for implementation of new system is 12th April 2017 and the requirement of the new DSC will be applicable for the tenders floated on 12th April 2017 onwards. All our current and prospective esteemed bidders are therefore requested to acquire Class III DSC [Organization] along with Encryption Certificate issued by any of the Licensed Certifying Authorities (CA) operating under Controller of Certifying Authorities (CCA) of India as per Indian IT Act 2000. Guideline for getting Digital Signature and other related information are available on the e-tender website <a href="http://www.oilindia.com">www.oilindia.com</a> . The bid signed using any other digital certificate or digital certificate without organization name of the bidder, will be liable for rejection.

26.0	All the Bids must be Digitally Signed using “Class 3” digital certificate (e-commerce application) only as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be liable for rejection.
27.0	Encryption certificate is mandatorily required for submission of bid. In case bidder created response using one certificate (using encryption key) and bidder subsequently changes the digital signature certificate then the old certificate (used for encryption) is required in order to decrypt his encrypted response for getting the edit mode of his response. Once decryption is done, the bidder may use his new DSC certificate for uploading and submission of his offer. It is the sole responsibility of the bidder to keep their DSC certificate properly. In case of loss of DSC certificate, Oil India Limited is not responsible.
28.0	The items covered by this tender shall be used by Oil India Limited in the PEL/ ML areas which are issued/ renewed after 01/04/99 and hence Indigenous bidder shall be eligible for concessional rate of GST against Essentiality Certificate wherever applicable, as per Notification No.3/2017 - Integrated/ Central Tax (Rate) dated 28th June, 2017.
29.0	<p>Ministry of Finance of Govt. of India, Department of Expenditure, Public procurement Division vide office memorandum F. No. 6/18/2019-PPD dated 23rd July, 2020 (order-Public Procurement no.1) has proclaimed the insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 w.e.f. 23rd July, 2020 regarding restrictions on procurement from a bidder of a country which shares a land border with India on the grounds of defence of India on matters directly or indirectly related thereto including national security. Bidders are requested to take note of the following clauses and submit their offers accordingly wherever applicable.</p> <p>Bidders must submit duly sealed &amp; signed undertaking as per Annexure-B provided along with the technical bid.</p> <p>I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.</p> <p>Validity of Registration: In respect of tenders, registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder was validly registered at the time of acceptance/placement of order, registration shall not be a relevant consideration during contract execution.</p> <p>II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process. III. "Bidder from a county which shares a land border with India "for the purpose of this Order means:</p> <p>a. An entity incorporated, established or registered in such a country; or  b. A subsidiary of an entity incorporated, established or registered in such a country; or  c. An entity substantially controlled through entities incorporated, established or registered in such a country; or  d. An entity whose beneficial owner is situated in such a country; or</p>

- e. An Indian (or other) agent of such an entity; or
- f. A natural person who is a citizen of such a country; or
- g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

IV. The beneficial owner for the purpose of (iii) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means. Explanation:

a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company;

b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

2. In case of a partnership firm, the beneficial owner is the natural person (s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

4. In case of trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. The successful bidder shall not be allowed to sub-contract any job related to the procurement (e.g. installation and commissioning, Annual Maintenance Contract etc.) to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

30.0 **IMPORTANT NOTES:** Bidders shall take note of the following important points while participating in OIL's e-procurement tender:

- a) Bid should be submitted online in OIL's E-procurement site up to 11.00 Hrs. (IST) (Server Time) on the date as mentioned and will be opened on the same day at 14.00 Hrs. (IST) at the office of the Head-Materials in presence of the authorized representatives of the bidders.
- b) Bidders are advised in their own interest to ensure that their bids are uploaded in system before the closing date and time of the bid. The documents in physical form mainly the Original Bid Security if received by the Company after the deadline for submission prescribed by the Company shall be rejected and shall be returned to the Bidders in unopened condition immediately.

31.0	<p>Oil India Limited (OIL) has upgraded its E-tender Portal. All the bidders are requested to go through the following documents available on the login Page of the OIL's E-tender Portal before uploading their bid.</p> <p>a) Guidelines to Bidders for participating in OIL. b) New Vendor Manual.</p>
32.0	<p>Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.</p>
33.0	<p>The items shall be brand new, unused &amp; of prime quality. The manufacturer shall warrant (in the event of an order) that the product supplied will be free from all defects &amp; fault in material, workmanship &amp; manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of shipment or 12 months from date of receipt at site, whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.</p>
34.0	<p>Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.</p>

35.0	Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.
36.0	Bidder to sign and submit completely filled up Technical & Commercial check list and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification failing which their offer will be rejected.
37.0	<b>Payment terms: Refer to “General Terms &amp; Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders</b>

38.0	Liquidated Damage: Refer to “General Terms & Conditions” for e- Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. The applicable GST on the Liquidated Damage shall have to be borne by the seller. Accordingly, the Liquidated Damage shall be recovered from the seller along with applicable GST.
39.0	<b>FURNISHING FRAUDULENT INFORMATION/ DOCUMENT:</b> If it is found that a Bidder has furnished fraudulent document/information, the Bid Security/Performance Security shall be forfeited and the party will be debarred for a period of 3(three) years from date of detection of such fraudulent act, besides the legal action. In case of major and serious fraud, period of debarment may be enhanced. In this regard, bidders are requested to submit an Undertaking as per Appendix-A3 along with their offer failing which their offer shall be liable for rejection.
40.0	<b>ONLINE VIEWING OF PRICE BY BIDDERS:</b> For convenience of the qualified Bidders and to improve transparency, the rates/costs quoted by bidders against OIL's e-tenders shall be available for online viewing by such Bidders whose price bids are opened by Company. A Bidder can view item-wise rates/ costs of all other such peer bidders against the tender immediately after price bid opening, if the e-tender is floated by Company with PRICE CONDITION. In case the Price-Bid is invited by Company through attachment form under "Notes & Attachment" (i.e., NO PRICE Condition), Bidders must upload their detailed Price-Bid as per the prescribed format under "Notes & Attachment", in addition to filling up the "Total Bid Value" Tab considering the cost of all individual line items and other applicable charges like freight, tax, duties, levies etc. Under NO PRICE Condition (i.e. Price Bid in attachment form), the "Total Bid Value" as calculated & quoted by the Bidder shall only be shared amongst the eligible bidders and Company will not assume any responsibility whatsoever towards calculation errors/ omissions therein, if any. Notwithstanding to sharing the "Total Bid Value" or the same is whether filled up by the Bidder or not, Company will evaluate the cost details to ascertain the inter-se-ranking of bidders strictly as per the uploaded attachment and Bid Evaluation Criteria only. Online view of prices as above shall be available to the Bidders only upto seven days from the date of Price-Bid opening of the e-tender.
41.0	<b>APPLICABILITY OF BANNING POLICY OF OIL INDIA LIMITED:</b> Banning Policy dated 6th January, 2017as uploaded in OIL's website will be applicable against the tender (and order in case of award) to deal with any agency (bidder/ contractor/ supplier/ vendor/ service provider) who commits deception, default, fraud or indulged in other misconduct of whatsoever nature in the tendering process and/or order execution processes. Applicability of the policy shall include but not limited to the following in addition to other actions like invoking bid security/performance security/cancellation of order etc. as deemed fit and as mentioned elsewhere in the tender: a) Backing out by bidder within bid validity b) Backing out by successful bidder after issue of LOA/ Order/ Contract c) Non/ Poor performance and order/ contract execution default The bidders who are on Holiday/ Banning/ Suspension list of OIL on due date of submission of bid/ during the process of evaluation of the bids, the offers of such bidders shall not be considered for bid opening/evaluation/ award. If the bidding documents were issued inadvertently/ downloaded from website, the offers submitted by such bidders shall also not be considered for bid opening/ evaluation/ Award of Work.

**Clauses related to GST**

1. For the purposes of levy and imposition of GST, the expressions shall have the following meanings:
  - (a) GST - means any tax imposed on the supply of goods and/or services under GST Law.
  - (b) Cess – means any applicable cess, existing or future on the supply of Goods and Services as per Goods and Services Tax (Compensation to States) Act, 2017.
  - (c) GST Law - means IGST Act 2017, CGST Act 2017, UTGST Act, 2017 and SGST Act, 2017 and all related ancillary Rules and Notifications issued in this regard from time to time.
2. The rates quoted by the bidders shall be inclusive of all taxes, duties and levies. However, bidders are required to provide separately the rate and amount of all types of taxes, duties and levies. In case, the quoted information related to various taxes, duties & levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/ tax, if the finally assessed amount is on the higher side and OIL will have to right to recover the difference in case the rate of duty/ taxes finally assessed is on the lower side. Further, bidders have to clearly show the amount of GST separately in the Tax Invoices. Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd.
3. Offers without giving any of the details of the taxes (Including rates and amounts) as specified above will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/ Contracts will be binding on the bidder.
4. Bidders are required to pass on the benefit arising out of introduction of GST, including seamless flow of Input Tax Credit, reduction in Tax Rate on inputs as well as final goods by way of reduction of price as contemplated in the provision relating to Anti-Profiteering Measure vide Section 171 of the CGST Act, 2017. Accordingly, for supplies made under GST, the bidders should confirm that benefit of lower costs has been passed on to OIL by way of lower prices/taxes and also provide details of the same as applicable. OIL reserves the right to examine such details about costs of inputs/input services of the bidders to ensure that the intended benefits of GST have been passed on to OIL.
5. Oil India Ltd. shall declare the value of free issue of materials and services, if any, involved in the execution of the contract. The Contractor should consider the same while working out the GST liability, if any. Further in cases where GST is leviable on any facilities provided by OIL and used by bidders and the consideration for which is recovered by OIL in the form of reduction in the invoice raised by bidders then OIL will raise GST invoices on such transactions and the same will be reimbursed by bidders.
- 6. When Input tax credit is available for Set Off**

Evaluation of L-1 prices shall be done based on Quoted price after deduction of Input Tax Credit (ITC) of GST, if available to OIL. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders

**When Input tax credit is NOT available for Set Off**

Evaluation of L-1 prices shall be done based on Quoted price only. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders

- 7. Bidders agree to do all things not limited to providing GST compliant Tax Invoices or other documentation as per GST law relating to the supply of goods and/or services covered in the instant contract like raising of and /or acceptance or rejection of credit notes / debit notes as the case may be, payment of taxes, timely filing of valid statutory Returns for the tax period on the Goods and Service Tax Network (GSTN), submission of general information as and when called for by OIL in the customized format shared by OIL in order to enable OIL to update its database etc. that may be necessary to match the invoices on GSTN common portal and enable OIL to claim input tax credit in relation to any GST payable under this Contract or in respect of any supply under this Contract.
- 8. In case Input Tax Credit of GST is denied or demand is recovered from OIL by the Central / State Authorities on account of any non-compliance by bidders, including non-payment of GST charged and recovered, the Vendor/Supplier/Contractor shall indemnify OIL in respect of all claims of tax, penalty and/or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. OIL, at its discretion, may also withhold/recover such disputed amount from the pending payments of the bidders.
- 9. GST liability, if any on account of supply of free samples against any tender shall be to bidder's account.
- 10. Bidders should submit their bids incorporating the following details:
  - (i) GST Registration Details of Supplier:
  - (ii) Item-wise HSN Code:
  - (iii) Applicable Rate of GST:

Also please note that OIL-Duliajan's Provisional GSTIN as: **18AAACO2352C1ZW**.

43.0

**OPPORTUNITY TO STARTUP AND MICRO & SMALL ENTERPRISES**

In case a Startup [defined as per Ministry of Commerce and Industry (Department of Industrial Policy and Promotion, DIPP) latest notification]/ MSE is interested in supplying the tendered item but does not meet the Pre-Qualifying Criteria (PQC)/ Proven Track Record (PTR) indicated in the tender document, the Startup/MSE is requested to write a detailed proposal separately, and not against the present tender requirement, to the tender issuing authority about its product. Such proposals shall be accompanied by relevant documents in support of MSE (where applicable) or in case of Startup, following documents shall be given:

- 1. Certificate of Recognition issued by the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.
- 2. Certificate of incorporation.
- 3. Audited Profit & Loss (P&L) Statement of all the Financial Years since incorporation. In case where the Balance sheet has not been prepared, bidder shall submit a certificate in original from its CEO/CFO stating the turnover of the bidding entity separately for each Financial Years since incorporation along with a declaration stating the reason for not furnishing the audited P&L Statement. This certificate shall be endorsed by a Chartered Accountant/Statutory Auditor.



The Proposal shall be examined by OIL and OIL may consider inviting a detailed offer from the Startup/MSE with the intent to place a TRIAL or TEST Order, provided the Startup/MSE meets the Quality and Technical Specifications.

In case the Startup/MSE is successful in the Trial Order, the vendor shall be considered for PQC exemption/relaxation (as the case may be) for the next tender for such item till the time it remains a Startup/MSE.

\*\*\*\*\* **END OF ANNEXURE - A** \*\*\*\*\*

**Format of undertaking by Bidders towards submission of authentic information/documents (To be typed on the letter head of the bidder)**

Ref. No \_\_\_\_\_

Date \_\_\_\_\_

**Sub: Undertaking of authenticity of information/documents submitted**

**Ref: Your tender No.** \_\_\_\_\_ **Dated** \_\_\_\_\_

To,  
The HOD-  
Materials  
Materials Deptt,  
OIL, Duliajan

**Sir,**

With reference to our quotation against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,  
For (type name of the firm here)

Signature of Authorised

Signatory Name :

Designation :

Phone  
No.

Place :

Date :

(Affix Seal of the Organization here, if applicable.)

**BID EVALUATION CRITERIA (BEC)/BID REJECTION CRITERIA (BRC)**

The bids shall conform to the specifications and terms & conditions given in the Tender. Bids shall be rejected in case the items offered do not conform to technical specifications and to the respective international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms & conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected. All documents related to BEC/BRC must be submitted along with the technical bid.

**BID REJECTION CRITERIA (BRC)**

**A1: TECHNICAL CRITERIA**

**1.0 Qualification Criteria**

- 1.1. The bidder shall be an Original Equipment Manufacturer (OEM) of the tendered item(s)  
OR
- 1.2. If the bidder is not the OEM of the tendered items, then the bidder must submit copy of authorization letter from their OEM to supply the tendered items with warranty/guarantee back from the principal (OEM).

**2.0 Experience Criteria**

- 2.1 Bidder must have supply experience of successfully executing at least one order of Portable handheld Digital Explosimeter/Multigas Detector of value not less than 50% of the estimated tender value in preceding 5(five) years from the original bid closing date of the tender.
- 2.2 In case the bidder is OEM of the tendered items, then the bidder can either submit their own supply experience as per clause 2.1 above or they can submit supply experience of successfully executing their own manufactured 'Portable handheld Digital Explosimeter/Multigas Detector' of value not less than 50% of the estimated tender value through their authorized agent/dealer/distributor/supply house/channel partner/reseller in preceding 5(five) years from the original bid closing date of the tender.
- 2.3 Bidder must submit the following documentary evidence in support of previous supply experience as applicable under clause 2.1 or 2.2 above:
- (i) Copy of Purchase Order(s) /Contract document(s)and
  - (ii) Any one or combination of the following documents that confirms the successful execution of the purchase order(s) / contract(s) –
    - Completion report / performance certificate from the clients,
    - Bill of lading,
    - Delivery challan / invoice etc.
    - Any other documentary evidence that can substantiate the successful execution of each of the Purchase Order(s) / contract(s) cited above.

NOTE:

- a) The Purchase Order date need not be **within 05 (five)** years preceding original bid

closing date of this tender. However, the execution of supply should be **within 05 (five)** years preceding original bid closing date of this tender.

b) Satisfactory supply/completion/installation report should be issued on company's letterhead with signature/stamp.

3.0 Bidder should categorically confirm in the technical bid a delivery schedule within 07(seven) months after receipt of PO, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of the equipment within 07(seven) months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected

## **A.2 FINANCIAL CRITERIA:**

1.0 **Annual Turnover:** The bidder shall have an annual financial turnover of minimum US\$ 14,590.00 or Rs. 10.77 Lakhs (**50% of the tender estimated value**) during any of the preceding 03 (three) financial years reckoned from the original bid closing date, irrespective of whether their bid is for all the tendered items or not.

2.0 "**Net Worth**" of the bidder should be positive for the financial/accounting year just preceding to the original bid closing date of the tender (i.e. FY 2019-20).

3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year 2019 (As the case may be) has actually not been audited so far'.

### **Note:**

a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE.

OR

ii) Audited Balance Sheet along with Profit & Loss account. In case of Foreign bidders, self-attested/digitally signed printed published accounts are also acceptable

b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

4.0 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US\$, the bidder shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date of Balance Sheet and Profit & Loss Account. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US\$.

## **A.3 COMMERCIAL**

Commercial Bid Rejection Criteria will be as per Section D of General Terms & Conditions of Global Tender (MM/LOCAL/E-01/2005) with following Special Bid Rejection Criteria.

- 1.0 **FOR COMPOSITE BIDS::** Bids are invited under **Single Stage Composite Bid System**. Bidders shall quote accordingly under Single Stage Composite Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The “Unpriced Bid” shall contain all techno-commercial details except the prices, which shall be kept blank. The “Price Bid” must contain the price schedule and the bidder’s commercial terms and conditions.  
  
Bidder not complying with above submission procedure will be rejected.
- 2.0 The prices offered shall 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.
- 3.0 Bids received in physical form against online invitation through e-portal shall be rejected (except the documents specifically called for in hard copies, if any). Similarly, Bids received after the bid closing date and time shall be rejected. Also, modifications to bids received after the bid closing date & time shall not be considered.
- 4.0 Bids containing incorrect statement shall be rejected.
- 5.0 Validity of the bid shall be **minimum 90 days** from the date of actual Bid Closing Date. Bids with lesser validity will be straightway rejected.
- 6.0 **Bid Security in ORIGINAL** shall be furnished by the Bidder as a part of their Bid. The amount of Bid Security & its validity shall be specified in the covering letter of this bid document. **Any bid not accompanied by a proper bid security in ORIGINAL shall be rejected without any further consideration.** A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.
- 7.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 18 months from the date of shipment/dispatch or twelve (12) months from the date of receipt of the items at destination, whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier’s expenses at no extra cost to OIL.
- 8.0 Successful bidder shall be required to furnish a Performance Security equivalent to ten (10%) of total evaluated value of Order, which should remain valid throughout the period execution, including extension, if any. The successful bidder shall submit Performance Security within 30 days of award, failing which OIL reserves the right to cancel the order and forfeit their Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above
- 9.0 Offers should be submitted along with Integrity Pact **(if applicable)** duly signed by the authorized signatory of the bidder. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, their bid shall be rejected straightway.
- 10.0 All the tendered items shall be evaluated individually; hence bidders are requested to quote accordingly.

11.0 Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below (**strike out whichever is not applicable**).

(i) **Price Bid Format (SUMMARY) for Foreign Bidders:**

- (A) **Basic Material Value including TPI, if any(to indicate HSN code)(item wise):**
- (B) **Pre-despatch Inspection Charges, if any:**
- (C) **Packing & FOB charges (item wise):**
- (D) **FOB Value, A+B+C:**
- (E) **Ocean Freight Charges upto Kolkata, India (item wise):**
- (F) **Banking & Insurance, @1.5% of D :**
- (G) **CIF Value, D+E+F :**
- (H) **Landing Charges @1% on G:**
- (I) **CIF Landed Value, G+H:**
- (J) **IGST @ 5% on I:**
- (K) **Compensatory Cess, if any:**
- (L) **CIF+GST Landed Value, I+J+K :**
- (M) **Training Charges, if any:**
- (N) **Applicable rate of GST on M:**
- (O) **Installation & Commissioning Charges, if any:**
- (P) **Applicable rate of GST on O:**
- (Q) **AMC Charges:**
- (R) **Applicable rate of GST Charges on Q:**
- (S) **Cost of AMC operational/maintenance spares:**
- (T) **Applicable rate of GST charges on S:**
- (U) **Total, L+M+N+O+P+Q+R+S+T:**
- (V) **Total Value in words :**
- (W) **Gross Weight:**
- (X) **Gross Volume :**

(ii) **Price Bid Format (SUMMARY) for Indigenous Bidders:**

- (A) **Basic Material Value including TPI, if any (to indicate HSN code) (item wise):**
- (B) **Pre-despatch Inspection Charges, if any:**
- (C) **Packing & Forwarding charges, if any (item wise):**
- (D) **Total Ex-Works Value, A+B+C:**
- (E) **Applicable rate of GST on D:**
- (F) **Compensatory Cess, if any:**
- (G) **Total FOR Despatching Station Value, D+E+F:**
- (H) **Inland Freight Charges upto Duliajan, Assam including GST (item wise):**
- (I) **Transit Insurance Charges, if any including GST:**
- (J) **Training Charges, if any:**
- (K) **Applicable rate of GST on J:**
- (L) **Installation & Commissioning Charges, if any:**
- (M) **Applicable rate of GST on L:**
- (N) **AMC Charges:**
- (O) **Applicable rate of GST on N:**
- (P) **Cost of AMC operational/maintenance spares:**
- (Q) **Applicable rate of GST on P:**
- (R) **Total, G+H+I+J+K+L+M+N+O+P+Q:**
- (S) **Total Value in words :**
- (T) **Gross Weight:**
- (U) **Gross Volume:**
- (V) **Import Content, if any:**

12.0 Bidder shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

- i) Liquidated Damages
- ii) Warranty/Guarantee of material
- iii) Arbitration / Resolution of Dispute
- iv) Force Majeure
- v) Applicable Laws

13.0 A bid shall be rejected straightway if it does not conform to any one of the following clauses:

- a) Validity of bid shorter than the validity indicated in the Tender.
- b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.
- c) Bid Security with (i) validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.

## **B) BID EVALUATION CRITERIA**

The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid Evaluation Criteria given below:

### **B.1 BID EVALUATION CRITERIA:**

The bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria shall be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid Evaluation Criteria given below:

- 1.0 The evaluation of bids shall be done as per the Price Bid Format (SUMMARY) provided in the Tender and detailed below:
- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.

Note: 1) Domestic Bidders must quote inland freight charges upto Duliajan. In case bidder fails to quote inland freight charges, highest freight quoted by domestic bidder (considering pro-rata distance) against this tender or OIL's estimated freight, whichever is higher, shall be loaded to their offer for comparison purpose.

2) For enquiries with duty exemption benefit – The items covered under this enquiry shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable customs duty for import of goods shall be zero. However, IGST @5% shall be applicable. Indigenous bidder shall be eligible for concessional rate of GST @5% against Essentiality

Certificate for invoice valuing 10 lakh and above.

**4.1 When only foreign bidders are involved:**

The Total Value of Foreign bidder as worked out as per para **A.3 11.0 (i) U** shall be compared

NOTE: \*Banking charge in the country of the foreign bidder shall be borne by the bidder. Banking charge 1% for payment through Letter of Credit. And 1.5 % if confirmed LC at buyer's account is required.

**4.2 When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response:**

The Total Value of Domestic bidder as worked out as per para **A.3 11.0 (ii) R** shall be compared

**4.3 When both foreign and domestic bidders are involved:**

The Total Value of domestic bidder as worked out as per para **A.3 11.0 (ii) R (excluding H & I)** above and Total Value of the foreign bidder worked out as per Para **A.3 11.0 (i) U** above will be compared.

Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

5.0 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for Global Tender. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) mentioned here contradict the Clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

\*\*\*\*\* **END OF ANNEXURE – B** \*\*\*\*\*



**Enclosed format:**

**A) Format of the letter must be submit by the OEM**

**ANNEXURE-1**

To,  
Materials Department,  
Oil India Limited,  
Duliajan

In reference to the OIL's Tender Number \_\_\_\_\_ dated \_\_\_\_\_ ,  
as the OEM of the quoted items, it is to confirm that we are in the business of  
manufacturing of Portable handheld Digital Explosimeter / Multigas Detector and  
have minimum \_\_\_\_years of experience in manufacturing of it as on original  
bid closing date of the tender.

We also confirm that the offered item is not going to become obsolete  
during the next 5 (five) years from the date of successful installation &  
Commissioning/supply.

For, M/s \_\_\_\_\_ (Name of the OEM )  
\_\_\_\_\_(Signature by authorized personnel)  
\_\_\_\_\_(Name)  
\_\_\_\_\_(Designation)

Address of the  
OEM with contact  
details like phone  
no., mail id, web

**B) Format of the Authorization/ declaration from the OEM on OEM's letterhead must be submit by the Bidder:**

**ANNEXURE-2**

To,  
Materials Department,  
Oil India Limited,  
Duliajan

In reference to the OIL's Tender Number \_\_\_\_\_ dated \_\_\_\_\_, as the OEM of the quoted items, we authorized M/s \_\_\_\_\_ ( Name of the Bidder with address ) to quote against the above said tender.

We confirm that we will provide support M/s( Name of the Bidder with address ) in providing required warranty and guarantee for the item(s) if supplied.

We also confirm that we are in the business of manufacturing of Portable handheld Digital Explosimeter / Multigas Detector and have minimum \_\_\_\_\_ years of experience in manufacturing of it as on original bid closing date of the tender.

We also confirm that the offered item is not going to become obsolete during the next 5 (five) years from the date of successful installation & Commissioning/supply.

personnel) For, M/s \_\_\_\_\_ (Name of the OEM )  
\_\_\_\_\_ (Signature by authorized

\_\_\_\_\_ (Name)

\_\_\_\_\_ (Designation)

Address of the  
OEM with contact  
details like Phone  
no., mail id, web

**ANNEXURE – C**

**A) COMMERCIAL CHECKLIST:**

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under <b>Single Stage Composite Bid System</b> ?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
2.1	Whether quoted as OEM Dealer / Supply House. To Specify-	Yes / No
2.2	If quoted as OEM Dealer / Supply House	Yes / No
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer / supply House for the product offered ?	
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	
3.0	Whether ORIGINAL Bid Bond (not copy of Bid Bond) as per Revised Format(Annexure VII Revised) Sent separately? If YES, provide details	Yes / No
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
4.0	Whether offered firm prices ?	Yes / No
4.1	Whether quoted offer validity of <b>90</b> days from the bid closing date of tender?	Yes / No
4.2	Whether quoted a firm delivery period?	Yes / No
4.3	Whether agreed to the NIT Warranty clause?	Yes / No
4.4	Whether confirmed acceptance of NIT Payment Terms	Yes / No
5.0	Whether confirmed to submit PBG as asked for in NIT?	Yes / No
5.1	Whether agreed to submit PBG within 30 days of placement of order?	Yes / No
6.0	Whether Price submitted as per Price Schedule ?	Yes / No
7.0	Whether quoted as per NIT (without any deviations)?	Yes / No
7.0	Whether quoted any deviation?	Yes / No
7.1	Whether deviation separately highlighted?	Yes / No
8.0	Whether indicated the country of origin for the items quoted?	Yes / No
8.1	Whether technical literature / catalogue enclosed?	Yes / No
8.2	Whether weight & volume of items offered indicated?	Yes / No
9.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
9.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No

9.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance ) ?	Yes / No
9.3	Whether Indian Agent applicable ?	Yes / No
	If YES, whether following details of Indian Agent provided?	

	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
10.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
10.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
10.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
10.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
10.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
10.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
11.0	Whether all BRC/BEC clauses accepted ?	Yes / No
12.0	Whether Integrity Pact with digital signature uploaded?	Yes / No
12.1	Whether all the clauses in the Integrity Pact have been accepted?	Yes / No

**B) TO BE FILLED UP IN DETAIL:**

Sl No	Requirement	Bidder's Reply
01	Name of Manufacturer	
02	Bid validity	
03	Payment Terms	
04	Guarantee/Warranty Terms	
05	Delivery Period	
08	Port of Despatch / Despatching Station	
09	Confirm submission Integrity pact, if required as per NIT	
10	Confirm submission PBG, if required as per NIT	
11	Compliance to: Liquidated Damage Warranty/Guarantee Arbitration/Resolution of Dispute Force Majeure Applicable laws	
12	<b>Confirm submission of the balance sheet/Financial Statements for the financial year 2019-20. If not, whether declaration as per BRC submitted.</b>	
13	Exception/Deviations quoted, if any, to be given in details or refer to respective page of the bid documents	

**CERTIFICATE OF ANNUAL TURNOVER & NET WORTH**

TO BE ISSUED BY PRACTISING **CHARTARD ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD

**TO WHOM IT MAY CONCERN**

This is to certify that the following financial positions extracted from the audited financial statements of M/s.....(Name of the bidder) for the last three (3) completed accounting years upto..... **(as the case may be)** are correct

<b>YEAR</b>	<b>TURNOVER</b> In INR (Rs.) Crores/ US \$ Million) *	<b>NET WORTH</b> In INR (Rs.) Crores / US \$ Million ) *

\*Rate of conversion (if used any): USD 1.00 = INR .....

Place:

Date:

Seal

Membership No:

Registration Code:

Signature

**NO DEVIATION CONFIRMATION**

Ref. No. \_\_\_\_\_

Date: \_\_\_\_\_

From: \_\_\_\_\_ (Insert name and address of Bidding Entity)

\_\_\_\_\_  
\_\_\_\_\_

Tel.:

Fax:

E-mail address:

**To**

GM (MATERIALS)

MATERIALS DEPARTMENT

OIL INDIA LIMITED DULIAJAN

District : DIBRUGARH (Assam)

PIN 786602

**Sub:** Bid for “ \_\_\_\_\_ ”

**Tender No :**

**Dear Sir,**

We understand that any 'deviation / exception' in any form may result in rejection of Bid. We, therefore, certify that we have not taken any 'exception / deviation' anywhere in the Bid and we agree that if any 'deviation / exception' is mentioned or noticed, our Bid may be rejected.

Place:

[Signature of Authorized Signatory of Bidder]

Date:

Name:

Designation:

Seal:

\*\*\*\*\* **END** \*\*\*\*\*

Item No-10

**Item Description:**

Portable Handheld Combustible (LEL) Gas Detector with digital indications and alarms and in-built suction pump for sampling.

Sl No	Technical Specification	Complied (Yes/ No)	Comments
1	<b><u>Make:</u></b> Bidder to specify		
2	<b><u>Model:</u></b> Bidder to specify		
3	<b><u>Type:</u></b> Instrument must be Portable, Hand-held.		
4	<b><u>Size &amp; Weight:</u></b> Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation		
5	<b><u>Case Material:</u></b> Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.		
6	<b><u>Instrument Pump:</u></b> Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia		
7	<b><u>Type of Sensors:</u></b> Catalytic Sensor & Plug-in type for Combustible gases.		
8	<b><u>Display of Gases:</u></b> Combustible Gases (LEL).		
9	<b><u>Measuring Specifications:</u></b>		
	a) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%		
	b) Typical Response Time <= 30 Seconds		
	c) Accuracy: +/- 2% measured value		



10	<b>User Interfaces:</b>		
	a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts of %LEL and %V/V values as applicable.		
	b) The system should equipped with backlight facility		
	c) Keypad / Switches: One-button operation to activate the detector		
	d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms		
	Alarms: Two levels of alarms, TWA, STEL for gas sensed.		
	e) Alarm Set Point: Adjustable over the measuring range		
	(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.		
	(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.		
11	<b>Instrument Power:</b>		
	a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack		
	b) Run Time $\geq$ 12 Hours in normal operation		
	c) Charging Time $\leq$ 8 Hours.		
12	<b>Chargeable Option:</b> 110 - 240 VAC, 50 Hz		
13	<b>Data Logging:</b>		
	(a) Instrument should have all events & occurrences recoding Facility.		
	(b) Should have inbuilt data storage facility.		
	(c) Data must be compatible for download to PC.		
14	<b>Hazardous area application:</b> Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3		
15	<b>Operating Temperature:</b> - 20 Deg. C to + 50 Deg. C		
16	<b>Ingress Protection:</b> IP 66/67		
17	<b>Humidity:</b> 20 to 95% R.H. (non-condensing) continuous.		
18	<b>Calibration:</b>		
	(a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.		
	(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.		
	(c) No additional software shall require for calibration.		

19	<b><u>Attachment &amp; Accessories:</u></b>		
	(a) Carrying case with shoulder strap with each instrument.		
	(b) Rechargeable battery along with battery charger with each instrument.		
	(c) One spare filter shall be supplied with each instrument.		
	(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.		
	(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.		

Item No-20

**Item Description:**

Portable Handheld Combustible (LEL) Gas, Oxygen (O<sub>2</sub>) Gas, Carbon Monoxide (CO) Gas and Hydrogen Sulphide (H<sub>2</sub>S) Gas detector (multigas) with digital indications and alarms and in-built suction pump for sampling.

SI No	Technical Specification	Complied (Yes/ No)	Comments
1	<b>Make:</b> Bidder to specify		
2	<b>Model:</b> Bidder to specify		
3	<b>Type:</b> Instrument must be Portable, Hand-held.		
4	<b>Size &amp; Weight:</b> Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation		
5	<b>Case Material:</b> Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.		
6	<b>Instrument Pump:</b> Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia		
7	<b>Type of Sensors:</b> (a) Electrochemical sensors & Plug-in type for H <sub>2</sub> S, CO, O <sub>2</sub> gases.		
	(b) Catalytic Sensor & Plug-in type for Combustible gases.		
8	<b>Display of Gases:</b> On a single screen of the gas detector, continuous monitoring for Hydrogen Sulphide (H <sub>2</sub> S), Carbon Monoxide (CO), Oxygen (O <sub>2</sub> ) and Combustible Gases (LEL).		
9	<b>Measuring Specifications:</b> a) Hydrogen Sulphide -H <sub>2</sub> S: Range 0 - 100 ppm (Min), Resolution 1 ppm		
	b) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%		
	c) Carbon Monoxide- CO (H <sub>2</sub> Resistance): 0 – 500 ppm (Min), Resolution 1 ppm		
	d) Oxygen- O <sub>2</sub> : 0 – 25 % by Vol. (Min), Resolution 0.1%		
	e) Typical Response Time <= 30 Seconds		
	f) Accuracy: +/- 2% measured value		

10	<b>User Interfaces:</b>		
	a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts for each gas monitored in ppm, %LEL and %V/V values as applicable.		
	b) The system should equipped with backlight facility		
	c) Keypad / Switches: One-button operation to activate the detector		
	d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms		
	Alarms: Two levels of alarms, TWA, STEL for each gas sensed.		
	e) Alarm Set Point: Adjustable over the measuring range		
	(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.		
	(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.		
11	<b>Instrument Power:</b>		
	a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack		
	b) Run Time $\geq$ 12 Hours in normal operation		
	c) Charging Time $\leq$ 8 Hours.		
12	<b>Chargeable Option:</b> 110 - 240 VAC, 50 Hz		
13	<b>Data Logging:</b>		
	(a) Instrument should have all events & occurrences recoding Facility.		
	(b) Should have inbuilt data storage facility.		
	(c) Data must be compatible for download to PC.		
14	<b>Hazardous area application:</b> Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3		
15	<b>Operating Temperature:</b> - 20 Deg. C to + 50 Deg. C		
16	<b>Ingress Protection:</b> IP 66/67		
17	<b>Humidity:</b> 20 to 95% R.H. (non-condensing) continuous.		
18	<b>Calibration:</b>		
	(a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.		
	(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.		
	(c) No additional software shall require for calibration.		

19	<b><u>Attachment &amp; Accessories:</u></b>		
	(a) Carrying case with shoulder strap with each instrument.		
	(b) Rechargeable battery along with battery charger with each instrument.		
	(c) One spare filter shall be supplied with each instrument.		
	(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.		
	(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.		

Item No-30

**Item Description:**

Portable Handheld Combustible (LEL) Gas, Hydrogen Sulphide(H<sub>2</sub>S) Gas, Sulphur Dioxide(SO<sub>2</sub>) Gas, Carbon Monoxide (CO) Gas, Oxygen (O<sub>2</sub>) Gas Detector (Multigas) with digital indications and alarms and in-built suction pump for sampling.

Sl No	Technical Specification	Complied (Yes/ No)	Comments
1	<b>Make:</b> Bidder to specify		
2	<b>Model:</b> Bidder to specify		
3	<b>Type:</b> Instrument must be Portable, Hand-held.		
4	<b>Size &amp; Weight:</b> Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation		
5	<b>Case Material:</b> Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.		
6	<b>Instrument Pump:</b> Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia		
7	<b>Type of Sensors:</b> (a) Electrochemical sensors & Plug-in type for H <sub>2</sub> S, SO <sub>2</sub> , CO, O <sub>2</sub> gases.		
	(b) Catalytic Sensor & Plug-in type for Combustible gases.		
8	<b>Display of Gases:</b> On a single screen of the gas detector, continuous monitoring for Hydrogen Sulphide (H <sub>2</sub> S), Sulphur Dioxide (SO <sub>2</sub> ) , Carbon Monoxide (CO), Oxygen (O <sub>2</sub> ) and Combustible Gases (LEL).		
9	<b>Measuring Specifications:</b> a) Hydrogen Sulphide -H <sub>2</sub> S: Range 0 - 100 ppm (Min), Resolution 1 ppm		
	b) Sulphur Dioxide-SO <sub>2</sub> : Range 0-100 ppm (Min), Resolution 1 ppm		
	c) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%		
	d) Carbon Monoxide- CO (H <sub>2</sub> Resistance): 0 – 500 ppm (Min), Resolution 1 ppm		
	e) Oxygen- O <sub>2</sub> : 0 – 25 % by Vol. (Min), Resolution 0.1%		
	f) Typical Response Time <= 30 Seconds		
	e) Accuracy: +/- 2% measured value		

10	<b>User Interfaces:</b>		
	a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts for each gas monitored in ppm, %LEL and %V/V values as applicable.		
	b) The system should equipped with backlight facility		
	c) Keypad / Switches: One-button operation to activate the detector		
	d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms		
	Alarms: Two levels of alarms, TWA, STEL for each gas sensed.		
	e) Alarm Set Point: Adjustable over the measuring range		
	(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.		
	(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.		
11	<b>Instrument Power:</b>		
	a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack		
	b) Run Time $\geq$ 12 Hours in normal operation		
	c) Charging Time $\leq$ 8 Hours.		
12	<b>Chargeable Option:</b> 110 - 240 VAC, 50 Hz		
13	<b>Data Logging:</b>		
	(a) Instrument should have all events & occurrences recoding Facility.		
	(b) Should have inbuilt data storage facility.		
	(c) Data must be compatible for download to PC.		
14	<b>Hazardous area application:</b> Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3		
15	<b>Operating Temperature:</b> - 20 Deg. C to + 50 Deg. C		
16	<b>Ingress Protection:</b> IP 66/67		
17	<b>Humidity:</b> 20 to 95% R.H. (non-condensing) continuous.		
18	<b>Calibration:</b>		
	(a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.		
	(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.		
	(c) No additional software shall require for calibration.		

19	<b><u>Attachment &amp; Accessories:</u></b>		
	(a) Carrying case with shoulder strap with each instrument.		
	(b) Rechargeable battery along with battery charger with each instrument.		
	(c) One spare filter shall be supplied with each instrument.		
	(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.		
	(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.		



Item No-40 and 50

**Item Description:**

Portable Handheld Combustible (LEL) Gas and Hydrogen Sulphide(H<sub>2</sub>S) Gas detector (Multigas) with digital indications and alarms and in-built suction pump for sampling.

Sl No	Technical Specification	Complied (Yes/ No)	Comments
1	<b>Make:</b> Bidder to specify		
2	<b>Model:</b> Bidder to specify		
3	<b>Type:</b> Instrument must be Portable, Hand-held.		
4	<b>Size &amp; Weight:</b> Weight should not be more than 450 gm including battery and inbuilt suction pump and suitable for one hand operation		
5	<b>Case Material:</b> Should be rugged, impact resistant, non-corrosive composite material that will prevent spark generation.		
6	<b>Instrument Pump:</b> Unit must have integrated pump with pump filters. The pump must be capable to take sample up to 25 feet, with line size 0.25 inch (6.35 mm) (approx.) in dia		
7	<b>Type of Sensors:</b> (a) Electrochemical sensors & Plug-in type for H <sub>2</sub> S gas		
	(b) Catalytic Sensor & Plug-in type for Combustible gases.		
8	<b>Display of Gases:</b> On a single screen of the gas detector, continuous monitoring for Hydrogen Sulphide (H <sub>2</sub> S) and Combustible Gases (LEL).		
9	<b>Measuring Specifications:</b>		
	a) Hydrogen Sulphide -H <sub>2</sub> S: Range 0 - 100 ppm (Min), Resolution 1 ppm		
	b) Combustible Gases -LEL: 0 - 100% LEL, Resolution 1% LEL; 0 - 5% V/V, Resolution 0.1%		
	c) Typical Response Time <= 30 Seconds		
	d) Accuracy: +/- 2% measured value		

10	<b>User Interfaces:</b>		
	a) Display Type: Liquid Crystal (LCD) type display with simultaneous readouts for each gas monitored in ppm, %LEL and %V/V values as applicable.		
	b) The system should equipped with backlight facility		
	c) Keypad / Switches: One-button operation to activate the detector		
	d) Instrument Alarm Type: Visual alarms, audible alarms, vibrator alarms		
	Alarms: Two levels of alarms, TWA, STEL for each gas sensed.		
	e) Alarm Set Point: Adjustable over the measuring range		
	(f) Other Alarm/ Status: Low battery status, instrument status and sensor status.		
	(g) Over Limit Exposure Protection: For exposures above the instrument's measuring range for any sensor, the instrument will provide an over limit latching alarm that must be acknowledged.		
11	<b>Instrument Power:</b>		
	a) Lithium - ion / Lithium - Polymer Rechargeable Battery Pack		
	b) Run Time $\geq$ 12 Hours in normal operation		
	c) Charging Time $\leq$ 8 Hours.		
12	<b>Chargeable Option:</b> 110 - 240 VAC, 50 Hz		
13	<b>Data Logging:</b>		
	(a) Instrument should have all events & occurrences recoding Facility.		
	(b) Should have inbuilt data storage facility.		
	(c) Data must be compatible for download to PC.		
14	<b>Hazardous area application:</b> Intrinsically Safe (Ex ia) suitable for use in Class - I, Division - I, Groups - A, B, C, D/ Zone 1, Gas Group IIA, IIB, IIC, T3		
15	<b>Operating Temperature:</b> - 20 Deg. C to + 50 Deg. C		
16	<b>Ingress Protection:</b> IP 66/67		
17	<b>Humidity:</b> 20 to 95% R.H. (non-condensing) continuous.		
18	<b>Calibration:</b>		
	(a) The Gas Detector shall have inbuilt calibration facility through keypad button with auto-zero capability.		
	(b) The equipment shall have zero and span adjustment facility for calibration with standard gases.		
	(c) No additional software shall require for calibration.		

19	<b><u>Attachment &amp; Accessories:</u></b>		
	(a) Carrying case with shoulder strap with each instrument.		
	(b) Rechargeable battery along with battery charger with each instrument.		
	(c) One spare filter shall be supplied with each instrument.		
	(d) Calibration cup/ adapter (If required) and calibration tubing (5 feet long) to enable calibration locally.		
	(e) One number of necessary software with accessories for data transfer to PC through connecting port compatible for Windows 8/10 shall be provided with the lot.		