

### Bid Corrigendum

GEM/2021/B/1313803-C5

Following terms and conditions supersede all existing "Buyer added Bid Specific Terms and conditions" given in the bid document or any previous corrigendum. Prospective bidders are advised to bid as per following Terms and Conditions:

#### Buyer Added Bid Specific Additional Terms and Conditions

1. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
2. Bidder shall submit the following documents along with their bid for Vendor Code Creation:
  - a. Copy of PAN Card.
  - b. Copy of GSTIN.
  - c. Copy of Cancelled Cheque.
  - d. Copy of EFT Mandate duly certified by Bank.
3. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
4. Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.
5. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.  
Applicable Concessional rate of GST : 5%  
Notification No.and date : 3/2017 dated 28/06/2017
6. While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.
7. Whereever Essentiality Certificate is applicable (PEL/ML), successful bidder should provide Proforma Invoice for processing for EC application and material should be dispatched after receiving of EC from DGH. In view of the same, an ATC may be incorporated in GeM, viz, "BIDDER/OEM must provide Proforma Invoice for processing for EC application within 225 days from date of issue of GeM Contract and material should be dispatched after receiving of EC from DGH."
8. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
9. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1

price and contract will be awarded for percentage of 100% of total value.

10. Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding “Preference to Make In India products” stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as “Non Local Supplier”. The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
  - ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
  - iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.
11. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
12. Buyer uploaded ATC document [Click here to view the file](#).

## Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void.

\*This document shall overwrite all previous versions of Bid Specific Additional Terms and Conditions.

[This Bid is also governed by the General Terms and Conditions](#)

## **Amendments to Tender No. GEM/2021/B/1313803**

Sl. No	Reference	Existing Clause	Amended to read as
<b>AA: ITEM SPECIFICATION &amp; SCOPE OF WORK</b>			
1	2.7	<p>Bidder(s) are required to submit their offer alongwith documents including, but not limited to the following:</p> <ul style="list-style-type: none"> <li>a) General arrangement drawing</li> <li>b) Detailed scope of supply</li> <li>c) Copy of certificate of the panel, all electrical equipment/ instruments for Zone 2 hazardous area application of Oil Mines in India</li> <li>d) Design details of the panel- drawing &amp; other relevant documents showing all interfacing and inter connections</li> <li>e) Incoming / Outgoing Cable details/ Termination drawing, wiring diagram</li> <li>f) JB details</li> <li>g) Control philosophy/ logic details</li> <li>h) Alarm, Interlock and trip schedule</li> <li>i) Logic Drawings/ cause &amp; effect drawing</li> <li>j) Panel operation philosophy/functional description including HMI/ Display facility, manual speed control, auto manual bypass control, annunciation, interfacing of the control panel with existing CAT panel which should be in line with the existing control philosophy</li> <li>k) Emergency shutdown procedure which should be in line with the existing control philosophy</li> <li>l) Details scheme of UPS system &amp; load distribution (including 24 volt DC load)</li> <li>m)Details along with datasheet of any additional field instruments proposed by the bidder</li> <li>n) Programmable/configurable electronic logic controller details along with details of I/O, power supply, communication etc</li> <li>o) Quality/ inspection and test plan</li> </ul>	Clause deleted

### **Amendments to Tender No. GEM/2021/B/1313803**

Sl. No	Reference	Existing Clause	Amended to read as
2	4.2:e	e) Along with the bid, Bidder shall provide document and clearly specify the provisions and schemes which they are proposing for control panels, power supply, HMI/ Display facility and UPS (Uninterrupted power supply) distribution scheme etc.	Clause deleted
3	4.2:m	m) Use of FLP box inside the panel should be avoided. In case, it is unavoidable, bidder must clearly indicate the use of such FLP boxes and its purpose in the document of the panel, which need to be submitted along with the bid. OIL may accept or reject the same. If rejected, the bidder may forward an alternate for the same for acceptance. However, bidder shall ensure that it will not alter the overall design requirement of the panel due to such changes and there will not be any change in the price quoted.	m) Use of FLP boxes inside the panel shall not be acceptable.
4	4.2:dd	Addition of new Clause	dd) The supply of purged and pressurized panel shall not be acceptable
5	8.0	<p>8.0 Human Machine Interface (HMI)/ Display facility: The control panel will be equipped with a HMI/ Display facility</p> <ul style="list-style-type: none"> <li>•for display of critical engine and compressor process data.</li> <li>• to facilitate trouble-shooting</li> <li>• to display SOE (Sequence of Events)</li> <li>• To display the alarm &amp; trip status</li> <li>• To change the trip, alarm and timer set point, PID tuning parameters</li> </ul> <p>The HMI/ Display facility shall be easily accessible and easily configurable.</p>	<p>8.0 Human Machine Interface (HMI)/ Display facility: The control panel will be equipped with a HMI/ Display facility of <b>minimum 15 inch size</b></p> <ul style="list-style-type: none"> <li>•for display of critical engine and compressor process data.</li> <li>• to facilitate trouble-shooting</li> <li>• to display SOE (Sequence of Events)</li> <li>• To display the alarm &amp; trip status</li> <li>• To change the trip, alarm and timer set point, PID tuning parameters</li> </ul> <p>The HMI/ Display facility shall be easily accessible and easily configurable.</p>

## Amendments to Tender No. GEM/2021/B/1313803

Sl. No	Reference	Existing Clause	Amended to read as
6	9.0	<p>9.0 UPS &amp; power supply and earthing: Each panel will be equipped with an UPS of 1 Hr back up, <b>Shall be installed /mounted in control panel or make suitable arrangement for the same [for hazardous area zone 2, gas group iia/iib (IEC)]</b>. Powering the control panel will be through the UPS only. The UPS power supply shall be sized to the requirement of the installed load(including existing field instruments) with 20% spare capacity.</p> <p>Power supply distribution: a) 230 VAC power(as mentioned earlier) will be made available near the panel. Further distribution of power supply shall be in bidder's scope. b) The power supply configuration to the PLC shall be kept as simple as practical. Complex external mechanical change over system using contactors shall not be used. <b>Schematic diagram of the proposed UPS is given in Annexure- II.</b></p>	<p>9.0 UPS &amp; power supply and earthing: Each panel will be equipped with an UPS of 1 Hr back up, powering the control panel will be through the UPS only. The UPS power supply shall be sized to the requirement of the installed load(including existing field instruments) with 20% spare capacity. UPS will be placed in safe area.</p> <p>Power supply distribution: a) 230 VAC power(as mentioned earlier) will be made available near the panel. Further distribution of power supply shall be in bidder's scope. b) The power supply configuration to the PLC shall be kept as simple as practical. Complex external mechanical change over system using contactors shall not be used.</p>
7	10.0	<p>10.0 Cable &amp; JB specification: All cables shall be provided with marking including manufacturer's name, insulation material, conductor size, no. of pairs , voltage rating , type of cable etc. , progressive sequential marking of the length at every one meter. All cables shall be PVC insulated. The insulation grade shall be 1100V as minimum. All cables shall be armoured. Cable Gland for armoured cable should be FLP Double Compression Gland of SS316.</p> <p>a) The cable shall be new and in good condition and shall be suitable for layering and bunching in ladders, trays and ducts. b) All power and control cables shall be flame retardant, low smoke type with sunlight and oil resistant outer sheath, suitable for installation on onshore oil and gas processing facilities. c) Cables shall be flexible; suitable for easy termination. d) All analog&amp; digital inputs are to be routed through suitable I.S. barriers/ isolator</p>	<p>10.0 Cable &amp; JB specification: All cables shall be provided with marking including manufacturer's name, insulation material, conductor size, no. of pairs, voltage rating, type of cable etc., progressive sequential marking of the length at every one meter. All cables shall be PVC insulated. The insulation grade shall be 1100V as minimum. All cables shall be armoured. Cable Gland for armoured cable should be FLP Double Compression Gland of SS316.</p> <p>a) The cable shall be new and in good condition and shall be suitable for layering and bunching in ladders, trays and ducts. b) All power and control cables shall be flame retardant, low smoke type with sunlight and oil resistant outer sheath, suitable for installation on onshore oil and gas processing facilities. c) Cables shall be flexible; suitable for easy termination. <b>d) All analog &amp; digital inputs are to be routed through suitable I.S. barriers/ isolator when necessary</b></p>

## Amendments to Tender No. GEM/2021/B/1313803

Sl. No	Reference	Existing Clause	Amended to read as
8	12.0	<p>12.0 Accessories for programing, download &amp; upload of program: 1(one) number of Laptop Computer with the following minimum specification shall be supplied by the bidder for programming, program upload to &amp; download from the control panel PLC. Laptop will have latest OS and All Utility Software &amp; Systems Software and with all accessories.</p> <p>Minimum Requirements:</p> <ul style="list-style-type: none"> <li>• Operating System: Licensed latest Windows® 10 Pro (64 bit) and preloaded with necessary software drivers for seamless performance of the laptop</li> <li>• Processor : Minimum Intel® Core i7 processor</li> <li>• Memory: Minimum 8GB RAM</li> <li>• Data Storage: Minimum 500 GB shock protected</li> <li>• Display: Minimum 13 inch</li> <li>• Connectivity: Ethernet, wireless LAN</li> <li>• Power: AC adapters for 230VAC supply at 50 Hz frequency adapter</li> <li>• Battery: To be strong enough to provide backup of at least 1 hour.</li> <li>• Ports: All necessary ports and cables for communicating with the system components (Controller,HMI/ Display facility etc) including RJ45 port, Serial Port(9 pin), 2 nos. of USB port</li> <li>• Optical Drive: DVD readable built in</li> <li>• <b>Zone Requirement: To be usable in Hazardous Location Zone 2, gas group iia/iib (IEC)/ Class 1 Div.2, Group A,B,C,D</b></li> <li>• Operating Thermal Range: 5 deg C to 50degC</li> <li>• Humidity: 90% RH</li> <li>• Accessories: Laptop carry case</li> <li>• Warranty: Minimum 1 year's warranty certificate for the laptop</li> </ul> <p>a) The specification mentioned above is minimum for the Laptop. Supplier should include all features &amp; accessories as necessary for programming and configuration application.</p> <p>b) Amongst others, laptop should be virus protected (atleast for two years from the date of successful commissioning) with latest licensed antivirus software.</p>	<p>12.0 Accessories for programing, download &amp; upload of program: 1(one) number of Laptop Computer with the following minimum specification shall be supplied by the bidder for programming, program upload to &amp; download from the control panel PLC. Laptop will have latest OS and All Utility Software &amp; Systems Software and with all accessories.</p> <p>Minimum Requirements:</p> <ul style="list-style-type: none"> <li>• Operating System: Licensed latest Windows® 10 Pro (64 bit) and preloaded with necessary software drivers for seamless performance of the laptop</li> <li>•Processor : Minimum Intel® Core i7 processor</li> <li>• Memory: Minimum 8GB RAM</li> <li>• Data Storage: Minimum 500 GB shock protected</li> <li>• Display: Minimum 13 inch</li> <li>• Connectivity: Ethernet, wireless LAN</li> <li>• Power: AC adapters for 230VAC supply at 50 Hz frequency adapter</li> <li>• Battery: To be strong enough to provide backup of at least 1 hour.</li> <li>• Ports: All necessary ports and cables for communicating with the system components (Controller, HMI/ Display facility etc) including RJ45 port, Serial Port (9 pin), 2 nos. of USB port</li> <li>• Optical Drive: DVD readable built in</li> <li>• Operating Thermal Range: 5 deg C to 50degC</li> <li>• Humidity: 90% RH</li> <li>• Accessories: Laptop carry case</li> <li>• Warranty: Minimum 1 year's warranty certificate for the laptop</li> </ul> <p>a) The specification mentioned above is minimum for the Laptop. Supplier should include all features &amp; accessories as necessary for programming and configuration application.</p>

## Amendments to Tender No. GEM/2021/B/1313803

Sl. No	Reference	Existing Clause	Amended to read as
		c) Application Software: Preloaded with Programmable Controller software, (Licensed software CD's are to be provided)	b) Amongst others, laptop should be virus protected (atleast for two years from the date of successful commissioning) with latest licensed antivirus software. c) Application Software: Preloaded with Programmable Controller software, (Licensed software CD's are to be provided)
9	14.0 A (n)	Addition of new clause	n) Hazardous area certificate satisfying clause 5.0 of AA
10	15.0 (e)	e) Factory Acceptance Test (FAT): 1.Before the system is delivered to the site, satisfactory performance of the entire system shall be demonstrated (at manufacturer premises) to OIL's inspection team at no extra cost to OIL. The system shall simulate the final onsite configuration as closely as possible. Note: The successful bidder shall intimate OIL atleast 14 days prior to FAT for deputing OIL's personnel. Cost of travel, accommodation and other expenses of OIL's inspection team will be borne by OIL.	e) Factory Acceptance Test (FAT): 1.Before the system is delivered to the site, satisfactory performance of the entire system shall be demonstrated (at manufacturer premises) to OIL's inspection team at no extra cost to OIL. The system shall simulate the final onsite configuration as closely as possible. Note: The successful bidder shall intimate OIL atleast <b>45 days prior</b> to FAT for deputing OIL's personnel. Cost of travel, accommodation and other expenses of OIL's inspection team will be borne by OIL.
11	17.0 (i)	i. Annexure II: Proposed UPS schematic	Clause deleted
12	17.0 (f)	f. Annexure FF: Checklist for documents submission/ confirmation	Clause deleted
13	17.0 (g)	g. Annexure GG: Checklist for Instrumentation and Control System	Clause deleted
14	17.0 (l)	Addition of new clause / checklist	I. Annexure LL: Technical Checksheet
15	18.0 (S)	Addition of new clause	All check sheets attached with this tender as annexures including annexure LL shall be filled, duly signed and sealed and submitted along with the bid.
16	Annexure II	Proposed schematic for the UPS system	Clause deleted
17	Annexure FF	Checklist for documents submission/ confirmation	Clause deleted
18	Annexure GG	Checklist for Instrumentation and Control System	Clause deleted

## Amendments to Tender No. GEM/2021/B/1313803

Sl. No	Reference	Existing Clause	Amended to read as
19	Annexure HH: Programmable/ configurable electronic logic controller	Allen Bradley Siemens Altronics Amot Murphy	Allen Bradley Siemens Altronics Amot Murphy <b>Emerson</b> <b>GE</b>
20	Annexure JJ: A:1.0	1.0 The design of the control panel shall be such that it is suitable and certified for use in Zone-2 hazardous area as per OMR 2017 requirement. Bidder must submit a copy of the certificate along with the bid.	Clause deleted
21	Annexure LL	<b>Addition of new Annexure</b>	Annexure LL- Technical Check sheet has been attached
<b>Annexure JJ: BID EVALUATION CRITERIA (BEC)/BID REJECTION CRITERIA (BRC)</b>			
21	A : 3.0 : a	a) Bidder must have supply, installation & commissioning experience of successful execution of at least 01(one) order of minimum 02(two) nos. of similar items (Control Panel for Gas Compressor Package for Oil & Gas industry) during last 5 (five) years as on original bid closing date of the tender.	a)Bidder must have supply, installation & commissioning experience of successful execution of at least 01(one) order of minimum 02(two) nos. of similar items (Control Panel for Gas Compressor Package for Oil & Gas industry) <b>during last 10 (ten) years</b> as on original bid closing date of the tender.
22	A : 3.0 : Notes to bidder against para 3.0 : (i)	i) The Purchase Order need not be within 5(Five) years preceding original bid closing date of this tender. However, execution of supply should be within 5(five) years preceding original bid closing date of this tender.	i)The Purchase Order need not be within <b>10(ten) years</b> preceding original bid closing date of this tender. However, execution of supply should be within <b>10(ten) years</b> preceding original bid closing date of this tender.

### **Amendments to Tender No. GEM/2021/B/1313803**

<b>Sl. No</b>	<b>Reference</b>	<b>Existing Clause</b>	<b>Amended to read as</b>
23	BRC(technical) Check List: Sl. No. 1	1. Enclosed a copy of certificate for Zone-2 hazardous area application as per OMR 2017 requirement is submitted along with the bid.	Clause deleted
24	Annexure JJ: BRC(technical) Check List: 3	3. Enclosed copy of Purchase Order of minimum 2 nos of Control Panel for Gas Compressor Package for Oil & Gas industry during last 5 (five) years as on original bid closing date of the tender.	3. Enclosed copy of Purchase Order of minimum 2 nos of Control Panel for Gas Compressor Package for Oil & Gas industry during last <b>10 (ten) years</b> as on original bid closing date of the tender.

## **Amendments to Tender No. GEM/2021/B/1313803**

### **Annexure- HH (Revised)**

#### **Approved Vendor List for components**

Pressure/Temperature gauges	ODIN WIKA Murphy McDaniel
Pressure/Temperature Switches	Switzer Danfoss Indfoss
Level Switches	Norriseal Murphy Fisher Rosemount Invalco Magnetrol
Level gauges	Levcon Chemtrols Norriseal
RTD/Thermocouple	Nagman GIC ALTOP Waaree
Solenoid Valve	ASCO Rotex
Control valves & Valve Positioners	Emerson MIL Samson
Junction Box & cable Gland	Baliga Flexpro Sterling
I.S. Zener Barrier	MTL P&F Electronics
Vibration Switches	Murphy(UK) AMOT Controls(UK) Metrix (USA)
Pressure regulators	Emerson ShavoNorgren ABB Fisher
Programmable/configurable electronic logic controller	Allen Bradley Siemens Altronic Inc Amot Murphy Emerson GE

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Pressure/DP Transmitter/Temp. Transmitter	Emerson ABB Honeywell Yokogawa
I/P Converter	Fisher ABB Honeywell Yokogawa
SS Tubing	Sandvik, Parker, Swagelok, Hylok
SS Tubing fittings	Swagelok , Hylok, Parker

**Note:**

The vendor list is for reference purpose. The Bidder/Contractor to avail approval of each instrument with detail datasheet, make etc. after placement of order.

The bidder should ensure that the supplied electrical/electronic instrumentation items from any of the above vendor are approved and suitable for use in hazardous area as per requirement mentioned under 'Statutory requirement' of this tender.

## **Amendments to Tender No. GEM/2021/B/1313803**

### **Annexure LL (NEW)**

#### **TECHNICAL CHECK LIST FOR THE BIDDER**

Important: Please tick relevant box and specify remarks, if any. Use additional sheets for remarks if required.

AA. Item Specification and Scope Clause Number	Agree	Not Agree	Remarks	Technical Literature / Brochure(Reference Page No.) where applicable
1.0				
2.0				
3.0				
4.0				
5.0				
6.0				
7.0				
8.0				
9.0				
10.0				

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11.0				
12.0				
13.0				
14.0				
15.0				
16.0				
17.0				
18.0				